PUBLIC UTILITIES COMMISSION
505 VAN NESS AVENUE

April 15, 2021

Advice Letter 4925-G/5920-E AL 4925-G-A/5920-E-A AL 4925-G-B/5920-E-B

Erik Jacobson
Director, Regulatory Relations
Pacific Gas and Electric Company
77 Beale Street, Mail Code B10C
P.O. Box 770000
San Francisco, CA 94177

SUBJECT: Clean-Up of Gas and Electric Tariffs.

Dear Mr. Jacobson:

Advice Letter 4925-G/5920-E AL 4925-G-A/5920-E-A AL 4925-G-B/5920-E-B is effective as of August 18, 2020.

Sincerely,

Edward Randolph

Edward Randolph
Deputy Executive Director for Energy and Climate Policy/
Director, Energy Division

Pacific Gas and Electric Company®

Erik Jacobson
Director
Regulatory Relations

Pacific Gas and Electric Company
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San Francisco, CA 94177

Fax: 415-973-3582

August 18, 2020

Advice 4295-G/5920-E
(Pacific Gas and Electric Company ID U 39 M)

Public Utilities Commission of the State of California

Subject: **Clean-Up of Gas and Electric Tariffs**

Pacific Gas and Electric Company (PG&E) hereby submits revisions to its gas and electric tariffs. The affected tariff sheets are listed on the enclosed Attachment 1.

Purpose

PG&E has identified several minor issues within our tariffs that are in need of modification but were not previously submitted in an advice letter. These issues include retirement of unused Preliminary Statements and Sample Forms; updating of tariffs consistent with previous Commission directives; correcting of typographical errors; updating of language consistent with current practices; making minor syntax edits to improve readability and clarity; and updating various web addresses within our tariffs that are either broken or require updating. The tariff modifications being made in this clean-up advice letter are either non-substantial editorial changes to the text of a tariff, or revisions in compliance with specific requirements of a statute or Commission order.

This advice letter to rectify the identified issues is being submitted pursuant to Industry Rule 5.1 of General Order 96-B, that states that PG&E may submit a Tier 1 advice letter in compliance with specific requirements of a statute, or Commission order where the wording of the change follows directly from the statute or Commission order, or to make non-substantive editorial changes to the text of a tariff.

Tariff Revisions

A matrix describing all tariff revisions is included as Appendix A to this advice letter. The affected tariff sheets are listed on the enclosed Attachment 1. For convenience of the reader, PG&E has included redline revisions in Attachment 2 that start on page 667. Where Sample Forms have been revised, the entire Sample Form is included in Attachment 1 (clean version), but the redline version in Attachment 2 only includes the pages where the modification has occurred, and excludes pages of the form where only

the advice letter number and date has been updated within the footer of the page to reflect this advice letter.

The submittal will not increase any current rate or charge, cause the withdrawal of service, or conflict with any rate schedule or rule.

Protests

*****Due to the COVID-19 pandemic and the shelter at home orders, PG&E is currently unable to receive protests or comments to this advice letter via U.S. mail or fax. Please submit protests or comments to this advice letter to EDTariffUnit@cpuc.ca.gov and PGETariffs@pge.com*****

Anyone wishing to protest this submittal may do so by letter sent via U.S. mail, facsimile or E-mail, no later than September 8, 2020, which is 21 days[1] after the date of this submittal. Protests must be submitted to:

CPUC Energy Division
ED Tariff Unit
505 Van Ness Avenue, 4th Floor
San Francisco, California 94102
Facsimile: (415) 703-2200
E-mail: EDTariffUnit@cpuc.ca.gov

Copies of protests also should be mailed to the attention of the Director, Energy Division, Room 4004, at the address shown above.

The protest shall also be sent to PG&E either via E-mail or U.S. mail (and by facsimile, if possible) at the address shown below on the same date it is mailed or delivered to the Commission:

Erik Jacobson
Director, Regulatory Relations
c/o Megan Lawson
Pacific Gas and Electric Company
77 Beale Street, Mail Code B13U
P.O. Box 770000
San Francisco, California 94177

Facsimile: (415) 973-3582
E-mail: PGETariffs@pge.com

[1] The 20-day protest period concludes on a holiday, therefore, PG&E is moving this date to the following business day.

Any person (including individuals, groups, or organizations) may protest or respond to an advice letter (General Order 96-B, Section 7.4). The protest shall contain the following information: specification of the advice letter protested; grounds for the protest; supporting factual information or legal argument; name, telephone number, postal address, and (where appropriate) e-mail address of the protestant; and statement that the protest was sent to the utility no later than the day on which the protest was submitted to the reviewing Industry Division (General Order 96-B, Section 3.11).

Effective Date

PG&E requests that this Tier 1 advice submittal become effective upon date of submittal, which is August 18, 2020.

Notice

In accordance with General Order 96-B, Section IV, a copy of this advice letter is being sent electronically and via U.S. mail to parties shown on the attached list. Address changes to the General Order 96-B service list should be directed to PG&E at email address PGETariffs@pge.com. For changes to any other service list, please contact the Commission's Process Office at (415) 703-2021 or at Process_Office@cpuc.ca.gov. Send all electronic approvals to PGETariffs@pge.com. Advice letter submittals can also be accessed electronically at: http://www.pge.com/tariffs/.

/S/
Erik Jacobson
Director, Regulatory Relations

Attachments

Appendix A - Clean-Up Modification and Cancellations of Tariffs
Attachment 1 - Tariffs
Attachment 2 - Redlined Tariffs

Service List: GO 96-B

Advice 4295-G/5920-E

Appendix A

The tariff modifications being made are either non-substantial editorial changes to the text of a tariff, or revisions in compliance with specific requirements of a statute or Commission order.

- Table A.1 of Appendix A describes in detail the action PG&E is requesting for each tariff that is included in this advice letter.
- Table A.2 of Appendix A provides additional information regarding the updating of web addresses within the tariffs by providing the location, the broken or outdated web address, and the replacement web address for the tariff.

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Table A.1

Clean-Up Modification and Cancellations of Tariffs

#	Tariff	Action or Location	Modification/Additional Information
1.	**Gas Sample Form 62-0683** - *Application for Service -- Residential Single Family Dwelling*	Update web address	• Updating or replacing web address that is hard coded onto the tariff sheet.*
2.	**Gas Sample Form 62-0684 -** *Application for Service -- Residential Subdivision/ Development*	Update web address	• Updating or replacing web address that is hard coded onto the tariff sheet.*
3.	**Gas Sample Form 62-0685** - *Application for Service -- Commercial/Industrial Development*	Update web address	• Updating or replacing web address that is hard coded onto the tariff sheet.*
4.	**Gas Sample Form 62-0686 -** *Application for Service -- Agricultural Service*	Update web address	• Updating or replacing web address that is hard coded onto the tariff sheet.*
5.	**Gas Sample Form 62-0687 -** *Application for Service -- Existing Service Relocate/Change Service*	Update web address	• Updating or replacing web address that is hard coded onto the tariff sheet.*
6.	**Gas Sample Form 62-0980** - *Distribution Service And Extension Agreement Declarations*	Update web address	• Updating or replacing web address that is hard coded onto the tariff sheet.*
7.	**Gas Sample Form 79-1186 -** *Share My Data Customer Authorization or Revocation of Authorization Form*	Update web address	• Updating or replacing web address that is hard coded onto the tariff sheet.*
8.	**Gas Sample Form 79-755 -** *Agreement for Transportation of Natural Gas for Compression as a Motor-Vehicle Fuel*	Updating	• Updating Gas Form 79-755 to reflect current PG&E contact information. • Remove facsimile communication option which is no longer available. • Revise “electronic mail address” to “email address”.

* See Table A.2 for details regarding updated web address.

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Table A.1

Clean-Up Modification and Cancellations of Tariffs

#	Tariff	Action or Location	Modification/Additional Information
9.	**Gas Schedule G-AA -** *As Available Transportation On-System*	Sheet 2	• Adding sentence that states "PG&E Interconnections with California Production shall be subject to all applicable terms, conditions and obligations of the California Production Balancing Agreement." This sentence is being added to Balancing Section of tariffs to eliminate ambiguity and add clarity. The California Production Balancing Agreement (Gas Sample Form 79-944) was first approved with Advice 2031-G-A and submitted in compliance with Resolution G-3288.
10.	**Gas Schedule G-AAOFF -** *As-Available Transportation Off-System*	Sheet 2	• Adding sentence that states "PG&E Interconnections with California Production shall be subject to all applicable terms, conditions and obligations of the California Production Balancing Agreement." This sentence is being added to Balancing Section of tariffs to eliminate ambiguity and add clarity. The California Production Balancing Agreement (Gas Sample Form 79-944) was first approved with Advice 2031-G-A and submitted in compliance with Resolution G-3288.

* See Table A.2 for details regarding updated web address.

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Table A.1

Clean-Up Modification and Cancellations of Tariffs

#	Tariff	Action or Location	Modification/Additional Information
11.	**Gas Schedule G-AFT -** *Annual Firm Transportation On-System*	Sheet 3	• Adding sentence that states "PG&E Interconnections with California Production shall be subject to all applicable terms, conditions and obligations of the California Production Balancing Agreement." This sentence is being added to Balancing Section of tariffs to eliminate ambiguity and add clarity. The California Production Balancing Agreement (Gas Sample Form 79-944) was first approved with Advice 2031-G-A and submitted in compliance with Resolution G-3288.
12.	**Gas Schedule G-AFTOFF -** *Annual Firm Transportation Off-System*	Sheet 3	• Adding sentence that states "PG&E Interconnections with California Production shall be subject to all applicable terms, conditions and obligations of the California Production Balancing Agreement." This sentence is being added to Balancing Section of tariffs to eliminate ambiguity and add clarity. The California Production Balancing Agreement (Gas Sample Form 79-944) was first approved with Advice 2031-G-A and submitted in compliance with Resolution G-3288.
13.	**Gas Schedule G-AMDS -** *Experimental Access to Meter Data Services*	Sheet 1	• Update "My Account" reference to "Your Account" which is the current reference found on pge.com.

* See Table A.2 for details regarding updated web address.

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Table A.1

Clean-Up Modification and Cancellations of Tariffs

#	Tariff	Action or Location	Modification/Additional Information
14.	**Gas Schedule G-NAA -** *Negotiated As-Available Transportation On-System*	Sheet 3	• Adding sentence that states "PG&E Interconnections with California Production shall be subject to all applicable terms, conditions and obligations of the California Production Balancing Agreement." This sentence is being added to Balancing Section of tariffs to eliminate ambiguity and add clarity. The California Production Balancing Agreement (Gas Sample Form 79-944) was first approved with Advice 2031-G-A and submitted in compliance with Resolution G-3288.
15.	**Gas Schedule G-NAAOFF -** *Negotiated As-Available Transportation Off-System*	Sheet 3	• Adding sentence that states "PG&E Interconnections with California Production shall be subject to all applicable terms, conditions and obligations of the California Production Balancing Agreement." This sentence is being added to Balancing Section of tariffs to eliminate ambiguity and add clarity. The California Production Balancing Agreement (Gas Sample Form 79-944) was first approved with Advice 2031-G-A and submitted in compliance with Resolution G-3288.

* See Table A.2 for details regarding updated web address.

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Table A.1

Clean-Up Modification and Cancellations of Tariffs

#	Tariff	Action or Location	Modification/Additional Information
16.	**Gas Schedule G-NFT -** *Negotiated Firm Transportation On-System*	Sheet 3	• Adding sentence that states "PG&E Interconnections with California Production shall be subject to all applicable terms, conditions and obligations of the California Production Balancing Agreement." This sentence is being added to Balancing Section of tariffs to eliminate ambiguity and add clarity. The California Production Balancing Agreement (Gas Sample Form 79-944) was first approved with Advice 2031-G-A and submitted in compliance with Resolution G-3288.
17.	**Gas Schedule G-NFTOFF -** *Negotiated Firm Transportation Off-System*	Sheet 3	• Adding sentence that states "PG&E Interconnections with California Production shall be subject to all applicable terms, conditions and obligations of the California Production Balancing Agreement." This sentence is being added to Balancing Section of tariffs to eliminate ambiguity and add clarity. The California Production Balancing Agreement (Gas Sample Form 79-944) was first approved with Advice 2031-G-A and submitted in compliance with Resolution G-3288.

* See Table A.2 for details regarding updated web address.

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Table A.1

Clean-Up Modification and Cancellations of Tariffs

#	Tariff	Action or Location	Modification/Additional Information
18.	**Gas Schedule G-SFT -** *Seasonal Firm Transportation On-System Only*	Sheet 3	• Adding sentence that states "PG&E Interconnections with California Production shall be subject to all applicable terms, conditions and obligations of the California Production Balancing Agreement." This sentence is being added to Balancing Section of tariffs to eliminate ambiguity and add clarity. The California Production Balancing Agreement (Gas Sample Form 79-944) was first approved with Advice 2031-G-A and submitted in compliance with Resolution G-3288.
19.	**Gas Table of Content**	Sheet 13 - *Sample Forms Operations Notices*	• Remove Forms 61-4406, 61-7126, 62-3005 and 62-3006 that were retired with Advice 4005-/5358-E. These forms were inadvertently not removed from the Gas Table of Content with the submittal of the Advice Letter.
20.	**Electric Sample Form 62-0683** - *Application for Service -- Residential Single Family Dwelling*	Update web address	• Updating or replacing web address that is hard coded onto the tariff sheet.*
21.	**Electric Sample Form 62-0684 -** *Application for Service -- Residential Subdivision/ Development*	Update web address	• Updating or replacing web address that is hard coded onto the tariff sheet.*
22.	**Electric Sample Form 62-0685** - *Application for Service -- Commercial/Industrial Development*	Update web address	• Updating or replacing web address that is hard coded onto the tariff sheet.*
23.	**Electric Sample Form 62-0686 -** *Application for Service -- Agricultural Service*	Update web address	• Updating or replacing web address that is hard coded onto the tariff sheet.*

* See Table A.2 for details regarding updated web address.

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Table A.1

Clean-Up Modification and Cancellations of Tariffs

#	Tariff	Action or Location	Modification/Additional Information
24.	**Electric Sample Form 62-0687 -** *Application for Service -- Existing Service Relocate/Change Service*	Update web address	• Updating or replacing web address that is hard coded onto the tariff sheet.*
25.	**Electric Sample Form 62-0980** - *Distribution Service And Extension Agreement Declarations*	Update web address	• Updating or replacing web address that is hard coded onto the tariff sheet.*
26.	**Electric Sample Form 79-1014 -** *Direct Access Customer Relocation Declaration*	Page 5	• Remove facsimile communication option which is no longer available.
27.	**Electric Sample Form 79-1069-** *Generating Facility Interconnection Agreement (Multiple Tariff)*	Update web address	• Updating or replacing web address that is hard coded onto the tariff sheet.*
28.	**Electric Sample Form 79-1069-02 -** *Generating Facility Interconnection Agreement (Multiple Tariff NEM2MT)*	Update web address	• Updating or replacing web address that is hard coded onto the tariff sheet.*
29.	**Electric Sample Form 79-1102** - *Section 399.20 Power Purchase Agreement*	Update web address	• Updating or replacing web address that is hard coded onto the tariff sheet.*
30.	**Electric Sample Form 79-1103 -** *Small Renewable Generator Power Purchase Agreement*	Update web address	• Updating or replacing web address that is hard coded onto the tariff sheet.*
31.	**Electric Sample Form 79-1109 –** *Virtual Net Energy Metering Application and Interconnection Agreement for the Building Owner of Multifamily Affordable Housing with a Solar Generating Facility of 1 Megawatt or Less*	Update web address	• Updating or replacing web address that is hard coded onto the tariff sheet.*

* See Table A.2 for details regarding updated web address.

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Table A.1

Clean-Up Modification and Cancellations of Tariffs

#	Tariff	Action or Location	Modification/Additional Information
32.	**Electric Sample Form 79-1109-02** - *NEM2VMSH Virtual Net Energy Metering Application and Interconnection Agreement for the Building Owner of Multifamily Affordable Housing with a Solar Generating Facility of 1 Megawatt or Less*	Update web address	• Updating or replacing web address that is hard coded onto the tariff sheet.*
33.	**Electric Sample Form 79-1116** – *Customer Assignment Notification*	Page 2	• Remove facsimile communication option which is no longer available. • Remove requirement to submit original document within 10 business days if submitted by email. PG&E will retain a copy of the emailed document for its records, but reserves the right to request the original signature document, if needed.
34.	**Electric Sample Form 79-1124 –** *Eligible Low Income Development Virtual Net Energy Metering Application and Interconnection Agreement for Multifamily Affordable Housing with Solar Generation Totaling 1 Megawatt or Less*	Update web address	• Updating or replacing web address that is hard coded onto the tariff sheet.*
35.	**Electric Sample Form 79-1124-02 –** *Eligible Low Income Development Virtual Net Energy Metering (NEM2VMSH) Application and Interconnection Agreement for Multifamily Affordable Housing with Solar Generation Totaling 1 Megawatt or Less*	Update web address	• Updating or replacing web address that is hard coded onto the tariff sheet.*

* See Table A.2 for details regarding updated web address.

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Table A.1

Clean-Up Modification and Cancellations of Tariffs

#	Tariff	Action or Location	Modification/Additional Information
36.	**Electric Sample Form 79-1125 -** *NEM / NEMV / NEMVMASH Inspection Report*	Update web address	• Updating or replacing web address that is hard coded onto the tariff sheet.*
37.	**Electric Sample Form 79-1131 -** *NEMV Application and Interconnection Agreement for a Solar (PV) or Wind Generating Facility of 1 MW or Less*	Update web address	• Updating or replacing web address that is hard coded onto the tariff sheet.*
38.	**Electric Sample Form 79-1131-02** - *NEM2V Application and Interconnection Agreement for a Solar (PV) or Wind Generating Facility of 1 MW or Less*	Update web address	• Updating or replacing web address that is hard coded onto the tariff sheet.*
39.	**Electric Sample Form 79-1137 -** *Interconnection Agreement for Net Energy Metering for a Renewable Electricity Generation Facility of 1,000 Kilowatts or Less, Except Solar or Wind*	Update web address	• Updating or replacing web address that is hard coded onto the tariff sheet.*
40.	**Electric Sample Form 79-1137-02 -** *Interconnection Agreement for Net Energy Metering (NEM2/NEM2V) for a Renewable Electricity Generation Facility of 1,000 Kilowatts or Less, Except Solar or Wind*	Update web address	• Updating or replacing web address that is hard coded onto the tariff sheet.*
41.	**Electric Sample Form 79-1142 -** *NEMV Interconnection Application for a Renewable Electrical Generation Facility of 1 Megawatt or Less*	Update web address	• Updating or replacing web address that is hard coded onto the tariff sheet.*
42.	**Electric Sample Form 79-1145 -** *Rule 21 Exporting Generator Interconnection Request*	Update web address	• Updating or replacing web address that is hard coded onto the tariff sheet.*

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Table A.1

Clean-Up Modification and Cancellations of Tariffs

#	Tariff	Action or Location	Modification/Additional Information
43.	**Electric Sample Form 79-1148** – *Direct Access Customer Replacement Declaration*	Page 1	• Remove facsimile communication option which is no longer available. • Remove requirement to submit original document within 10 business days if submitted by email. PG&E will retain a copy of the emailed document for its records, but reserves the right to request the original signature document, if needed.
44.	**Electric Sample Form 79-1151A-02 -** *Agreement And Customer Authorization Net Energy Metering (NEM2) Interconnection For Solar And/Or Wind Electric Generating Facilities Of 30 Kilowatts Or Less*	Page 3 Update web address	• Correct section reference from Part IV, Section H to Part IV, Section E. • Updating or replacing web address that is hard coded onto the tariff sheet.*
45.	**Electric Sample Form 79-1152** - *Customer Information Service Request For DRP (CISR-DRP)*	Update web address	• Updating or replacing web address that is hard coded onto the tariff sheet.*
46.	**Electric Sample Form 79-1163 -** *Rule 21 Pre-Application Report Request*	Retire and cancel tariff	• Form 79-1181 was created to include all three Pre-application package options and was intended to replace Form 79-1163, which should be retired.
47.	**Electric Sample Form 79-1174 -** *Rule 21 Generator Interconnection Application*	Update web address	• Updating or replacing web address that is hard coded onto the tariff sheet.*
48.	**Electric Sample Form 79-1174-02 -** *Rule 21 Generator Interconnection Application*	Update web address	• Updating or replacing web address that is hard coded onto the tariff sheet.*
49.	**Electric Sample Form 79-1186 -** *Share My Data Customer Authorization or Revocation of Authorization Form*	Update web address	• Updating or replacing web address that is hard coded onto the tariff sheet.*

* See Table A.2 for details regarding updated web address.

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Table A.1

Clean-Up Modification and Cancellations of Tariffs

#	Tariff	Action or Location	Modification/Additional Information
50.	**Electric Sample Form 79-1191 -** *Generating Facility Interconnection Agreement for Local Government Renewable Energy Self-Generation Bill Credit Transfer (RES-BCT),*	Update web address	• Updating or replacing web address that is hard coded onto the tariff sheet.*
51.	**Electric Sample Form 79-1198-02 -** *Interconnection Agreement for Net Energy Metering (NEM2) and Renewable Electrical Generating Facility Sized Greater than 1,000 kW*	Update web address	• Updating or replacing web address that is hard coded onto the tariff sheet.*
52.	**Electric Sample Form 79-280 -** *Agreement for Installation or Allocation of Special Facilities for Parallel Operation of Nonutility-Owned Generation and/or Electrical Standby Service (Electric Rules 2 and 21)*	Page 3, #15	• Correct typographical error by replacing the word “Assignment” with “Agreement”.
53.	**Electric Sample Form 79-726 -** *Electric Standby Service Log Sheet Schedule S*	Update web address	• Updating or replacing web address that is hard coded onto the tariff sheet.*
54.	**Electric Preliminary Statement CZ -** *Distribution Revenue Adjustment Mechanism (DRAM)*	Delete Section cc & dd under Accounting Procedures, Sheet 4	• Deleting references to DRPDBA (Preliminary Statement HB) within Electric Preliminary Statement CZ. DRPDBA is being retired and cancelled in this advice letter

* See Table A.2 for details regarding updated web address.

Advice 4295-G/5920-E – Appendix A

Table A.1

Clean-Up Modification and Cancellations of Tariffs

#	Tariff	Action or Location	Modification/Additional Information
55.	**Electric Preliminary Statement EP** - *Market Redesign and Technology Upgrade Memorandum Account (MRTUMA)*	Retire and cancel tariff	• The 2014 going forward revenue requirements for MRTU were subsumed in the adopted 2014 GRC revenue requirement, which was approved by D.14-08-032. Decision 18-05-025 in PG&E's 2013 Energy Resource Recovery Account Compliance Review proceeding approved the remaining 2013 MRTUMA balance. As a result, in June 2018, PG&E transferred the remaining MRTUMA balance to UGBA. Electric Preliminary Statement EP is no longer used for recording MRTU costs and is being retired.
56.	**Electric Preliminary Statement EX** - *Dynamic Pricing Memorandum Account (DPMA)*	Retire and cancel tariff	• In accordance with D.18-08-013, the only costs remaining for recovery that had been recorded in this account, the real time pricing costs, were transferred to DRAM for recovery in rates effective March 1, 2019. Therefore, Electric Preliminary Statement EX is no longer used for recording dynamic pricing implementation costs and is being retired.

* See Table A.2 for details regarding updated web address.

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Table A.1

Clean-Up Modification and Cancellations of Tariffs

#	Tariff	Action or Location	Modification/Additional Information
57.	**Electric Preliminary Statement HB -** *Distribution Resources Plan Demonstration Balancing Account*	Retire and cancel tariff	• The Demonstration Projects required under D.17-02-007 of PG&E have been reviewed by the Commission and have not been approved to move forward. For Demo C, Advice 5259-E approved PG&E's request to not execute any contracts. For Demo D, Advice 5314-E approved PG&E's request to not execute any contracts. In D.17-02-007, PG&E's proposal for Demo E was denied by the Commission in D.17-02-007 and PG&E did not request approval for a new Demo E project. Therefore, Electric Preliminary Statement HB is no longer used to record costs associated with Demonstration projects required under D.17-02-007 and is being retired.
58.	**Electric Schedule A-1 -** *Small General Service*	Sheet 12	• Update "My Account" reference to "Your Account" which is the current reference found on pge.com.
59.	**Electric Schedule A-10 -** *Medium General Demand-Metered Service*	Sheet 10 Update web address	• Proposing minor syntax edits to improve readability and clarity and updating "My Account" reference to "Your Account", which is the current reference found on pge.com. • Updating or replacing web address that is hard coded onto the tariff sheet.*

* See Table A.2 for details regarding updated web address.

Advice 4295-G/5920-E – Appendix A

Table A.1

Clean-Up Modification and Cancellations of Tariffs

#	Tariff	Action or Location	Modification/Additional Information
60.	**Electric Schedule A-6 -** *Small General Time-of-Use Service*	Sheet 10	• Update "My Account" reference to "Your Account" which is the current reference found on pge.com.
61.	**Electric Schedule AG-4 -** *Time-of-Use Agricultural Power*	Sheet 18	• Proposing minor syntax edits to improve readability and clarity and updating "My Account" reference to "Your Account", which is the current reference found on pge.com.
		Update web address	• Updating or replacing web address that is hard coded onto the tariff sheet.*
62.	**Electric Schedule AG-5 -** *Large Time-of-Use Agricultural Power*	Sheet 21	• Proposing minor syntax edits to improve readability and clarity and updating "My Account" reference to "Your Account", which is the current reference found on pge.com.
		Update web address	• Updating or replacing web address that is hard coded onto the tariff sheet.*
63.	**Electric Schedule B-19 -** *Medium General Demand-Metered TOU Service*	Update web address	• Updating or replacing web address that is hard coded onto the tariff sheet.*
64.	**Electric Schedule B-20 -** *Service to Customers with Maximum Demands of 1000 Kilowatts or More*	Update web address	• Updating or replacing web address that is hard coded onto the tariff sheet.*
		Sheet 20	• Correct typo. There are three references to Schedule B-19 which should reference Schedule B-20.

* See Table A.2 for details regarding updated web address.

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Table A.1

Clean-Up Modification and Cancellations of Tariffs

#	Tariff	Action or Location	Modification/Additional Information
65.	**Electric Schedule D-CARE -** *Line-Item Discount for California Alternate Rates For Energy (CARE) Customers*	Applicability, Sheet 1	• Addition of Electric Schedule E-TOU-C and E-TOU-D to list of eligible rates under Electric Schedule D-CARE and eliminate Schedule E-TOU-C3. Electric Schedule E-TOU-C and E-TOU-D was omitted from the list of schedules that Schedule D-CARE could be a rider on because it did not exist at the time Advice 5758-E (Feb. 12, 2020) was submitted. Schedule D-CARE became effective March 1, 2020. Schedule E-TOU-C and E-TOU-D was submitted in Advice 5661-E-B (April 28, 2020), and became effective May 1, 2020, are eligible schedules under Schedule D-CARE. Scheduled E-TOU-C3 is being eliminated from the list because in Advice 5653-E, Schedule -E-TOU-C3 was renamed to E-TOU-C effective March 1, 2020
66.	**Electric Schedule E-19 -** *Medium General Demand-Metered TOU Service*	Sheet 20 Update web address	• Proposing minor syntax edits to improve readability and clarity and updating "My Account" reference to "Your Account", which is the current reference found on pge.com. • Updating or replacing web address that is hard coded onto the tariff sheet.*
67.	**Electric Schedule E-20 -** *Service to Customers with Maximum Demands of 1000 Kilowatts or More*	Sheet 14 Update web address	• Proposing minor syntax edits to improve readability and clarity. • Updating or replacing web address that is hard coded onto the tariff sheet.*

* See Table A.2 for details regarding updated web address.

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Table A.1

Clean-Up Modification and Cancellations of Tariffs

#	Tariff	Action or Location	Modification/Additional Information
68.	**Electric Schedule E-6 -** *Residential Time-of-Use Service*	Sheet 4 – Daylight Saving Time Adjustment	• Making minor syntax edit to add clarity that the Daylight Saving Time Adjustment applies to 2021 and 2022 as well as 2020.
69.	**Electric Schedule E-AMDS -** *Experimental Access to Meter Data Services*	Sheet 1	• Update "My Account" reference to "Your Account" which is the current reference found on pge.com.
70.	**Electric Schedule E-CREDIT -** *Revenue Cycle Services Credits*	Credit Section, Sheets 1-12	• Advice 5758-E retired the residential CARE rate schedules per Decision 18-12-004. Removing references in this tariff to the retired CARE schedules (Electric Schedules El-1, EL-6, EL-TOU, EML, EML-TOU, ESL, ESRL & ETL). • Advice 5769-E created new agricultural rate schedules and retired others. Updating this tariff to reflect the changes to the agricultural schedule as approved in Advice 5769-E (adding Electric Schedule AG & AG F). • Advice 5626-E created new commercial and industrial rate schedules with later peak Time-of-Use hours pursuant to Decision 18-08-013. Revising this tariff to reflect the changes to the commercial and industrial schedules as approved in Advice 5626-E (adding Electric Schedules B-1, B-6, B-10, B-19, B-20 & SB) • PG&E's Business Electric Vehicle (BEV) Rate Schedule was approved with Advice 5814-E effective May 5, 2020. In Advice 5814-E, PG&E

* See Table A.2 for details regarding updated web address.

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Table A.1

Clean-Up Modification and Cancellations of Tariffs

#	Tariff	Action or Location	Modification/Additional Information
			inadvertently forgot to add the new Schedule BEV as an applicable rate schedule to Schedule E-CREDIT and is doing so in this advice letter. • Correcting typo - In Advice 5225-E, PG&E inadvertently listed the Meter Ownership Credit under Rate Schedule E-CREDIT for Rate Schedule AG-1A (Sheet 2) with parentheses (as a negative number). This number should not have been listed parenthetically and should have been shown as a positive number like the other rates listed on the sheet. • Minor reformatting of sheets to accommodate added rate schedules.
71.	**Electric Schedule E-FFS -** *Franchise Fee Surcharge*	Sheet 2-3	• PG&E's Business Electric Vehicle (BEV) Rate Schedule was approved with Advice 5814-E effective May 5, 2020. In Advice 5814-E, PG&E inadvertently forgot to add the new Schedule BEV as an applicable rate schedule to Schedule E-FFS and is doing so in this advice letter,
72.	**Electric Schedule E-SOP -** *Residential Electric SmartMeter(TM) Opt-Out Program*	Section 4 - Metering Equipment, Sheet 2	• Advice 5758-E retired the residential CARE rate schedules per Decision 18-12-004. Removing references in this tariff to the retired CARE schedules (Electric Schedules EML-TOU, EL-6 & EL-TOU.
73.	**Electric Schedule NEM -** *Net Energy Metering Service*	Sheet 12 & 31 Update web address	• Renumbering of footnotes within Schedule NEM to make them sequential. • Updating or replacing web address that is hard coded onto the tariff sheet.*

* See Table A.2 for details regarding updated web address.

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Table A.1

Clean-Up Modification and Cancellations of Tariffs

#	Tariff	Action or Location	Modification/Additional Information
74.	**Electric Schedule NEM2 -** *Net Energy Metering Service*	Sheet 15, 21, 27, 28, 33 & 40 Update web address	• Renumbering of footnotes within Schedule NEM2 to make them sequential. • Updating or replacing web address that is hard coded onto the tariff sheet.*
75.	**Electric Schedule NEM2V -** *Virtual Net Energy Metering Service*	Update web address	• Updating or replacing web address that is hard coded onto the tariff sheet.*
76.	**Electric Schedule NEM2VSOM -** *Virtual Net Energy Metering Solar on Multifamily Affordable Housing (SOMAH) Properties*	Sheet 7 Update web address	• Removing reference to gas form. • Updating or replacing web address that is hard coded onto the tariff sheet.*
77.	**Electric Schedule NEMV -** *Virtual Net Metering For A Multi-Tenant Or Multi-Meter Property Served At The Same Service Delivery Point*	Update web address	• Updating or replacing web address that is hard coded onto the tariff sheet.*
78.	**Electric Schedule NEMVMASH -** *Virtual Net Energy Metering For Multifamily Affordable Housing (MASH/NSHP) With Solar Generator(s)*	Sheet 1, 3, 14 & 15 Update web address	• Renumbering of footnotes within Schedule NEMVMASH to make them sequential. • Updating or replacing web address that is hard coded onto the tariff sheet.*
79.	**Electric Schedule RES-BCT -** *Schedule For Local Government Renewable Energy Self-Generation Bill Credit Transfer*	Sheet 1	• Removing the word “a joint power authority" from the section so that the definition of the “Local Government” will be consistent with the PU Code § 2830.
80.	**Electric Rule 1 -** *Definitions*	Sheet 13	• Renumbering of footnotes within Rule1 to make them sequential.
81.	**Electric Rule 21**	Update web address	• Updating or replacing web address that is hard coded onto the tariff sheet.*

* See Table A.2 for details regarding updated web address.

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Table A.1

Clean-Up Modification and Cancellations of Tariffs

#	Tariff	Action or Location	Modification/Additional Information
82.	**Electric Rule 28 -** *Mobilehome Park Utility Upgrade Program*	Section C.1.b – Program Eligibility, Sheet 1	• Advice 5758-E retired the residential CARE rate schedules per Decision 18-12-004. Removing references in this tariff to the retired CARE schedules (Electric Schedule ETL).
83.	**Electric Rule 9 -** *Rendering and Payment of Bills*	Section G – Budget, Sheet 4	• Advice 5758-E retired the residential CARE rate schedules per Decision 18-12-004. Removing references in this tariff to the retired CARE schedules and adding sentence regarding eligibility of customer on Schedule D-CARE rider. In addition, adding newly created rates that are eligible for the Budget Billing option.
84.	**Electric Table of Content**	Sheet 32 - *Sample Forms Operations Notices*	• Remove Forms 61-4406, 61-7126, 62-3005 and 62-3006 that were retired with Advice 4005-/5358-E. These forms were inadvertently not removed from the Electric Table of Content with the submittal of the Advice Letter.

* See Table A.2 for details regarding updated web address.

Table A.2 further details the tariffs revisions listed as "Update web address" in Table A.1 by: 1) providing the page number and the web address that is hard coded onto the tariff sheet that is currently broken or outdated; and 2) by providing proposed updated web address for the tariff.

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Table A.2

Clean-Up Modification and Cancellations of Tariffs

#	Tariff	Location	Broken/Outdated Link	Updated Link
1.	**Gas Sample Form 62-0683** - *Application for Service -- Residential Single Family Dwelling*	Page 1	• http://www.pge.com/myhome/customerservice/other/newconstruction/	• http://www.pge.com/cco
		Page 2	• www.pge.com/newconstruction/processguide/step1/appdes.shtml	• http://www.pge.com/cco
2.	**Gas Sample Form 62-0684 -** *Application for Service -- Residential Subdivision/ Development*	Page 1	• http://www.pge.com/myhome/customerservice/other/newconstruction/	• http://www.pge.com/cco
		Page 2	• www.pge.com/mybusiness/customerservice/otherrequests/newconstruction/processguide/step1/appdes.shtml	• http://www.pge.com/cco
3.	**Gas Sample Form 62-0685** - *Application for Service -- Commercial/Industrial Development*	Page 1	• http://www.pge.com/myhome/customerservice/other/newconstruction/	• http://www.pge.com/cco
		Page 2	• www.pge.com/mybusiness/customerservice/otherrequests/newconstruction/processguide/step1/appdes.shtml	• http://www.pge.com/cco
4.	**Gas Sample Form 62-0686 -** *Application for Service -- Agricultural Service*	Page 1	• http://www.pge.com/myhome/customerservice/other/newconstruction/	• http://www.pge.com/cco
		Page 2	• www.pge.com/mybusiness/customerservice/otherrequests/newconstruction/processguide/step1/appdes.shtml	• http://www.pge.com/cco

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Clean-Up Modification and Cancellations of Tariffs

#	Tariff	Location	Broken/Outdated Link	Updated Link
5.	**Gas Sample Form 62-0687 -** *Application for Service -- Existing Service Relocate/Change Service*	Page 1	• http://www.pge.com/myhome/customerservice/other/newconstruction/	• http://www.pge.com/cco
		Page 1	• http:/www.pge.com/mybusiness/customerservice/brochuresforms/	• http://www.pge.com/cco
		Page 2	• http:/www.pge.com/mybusiness/customerservice/brochuresforms/	• http://www.pge.com/cco
6.	**Gas Sample Form 62-0980** - *Distribution Service And Extension Agreement Declarations*	Page 1	• http://www.pge.com/myhome/customerservice/other/newconstruction/	• http://www.pge.com/cco
7.	**Gas Sample Form 79-1186 -** *Share My Data Customer Authorization or Revocation of Authorization Form*	Page 1	• www.pge.com/tariffs/tm2/pdf/ELEC_RULES_25.pdf	• https://www.pge.com/tariffs/assets/pdf/tariffbook/ELEC_RULES_25.pdf
8.	**Electric Sample Form 62-0683** *- Application for Service -- Residential Single Family Dwelling*	Page 1	• http://www.pge.com/myhome/customerservice/other/newconstruction/	• http://www.pge.com/cco
		Page 2	• www.pge.com/newconstruction/processguide/step1/appdes.shtml	• http://www.pge.com/cco
9.	**Electric Sample Form 62-0684 -** *Application for Service -- Residential Subdivision/ Development*	Page 1	• http://www.pge.com/myhome/customerservice/other/newconstruction/	• http://www.pge.com/cco
		Page 2	• www.pge.com/mybusiness/customerservice/otherrequests/newconstruction/processguide/step1/appdes.shtml	• http://www.pge.com/cco
10.	**Electric Sample Form 62-0685** *- Application for Service -- Commercial/Industrial Development*	Page 1	• http://www.pge.com/myhome/customerservice/other/newconstruction/	• http://www.pge.com/cco
		Page 2	• www.pge.com/mybusiness/customerservice/otherrequests/newconstruction/processguide/step1/appdes.shtml	• http://www.pge.com/cco

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Clean-Up Modification and Cancellations of Tariffs

#	Tariff	Location	Broken/Outdated Link	Updated Link
11.	**Electric Sample Form 62-0686** - *Application for Service -- Agricultural Service*	Page 1	• http://www.pge.com/myhome/customerservice/other/newconstruction/	• http://www.pge.com/cco
		Page 2	• www.pge.com/mybusiness/customerservice/otherrequests/newconstruction/processguide/step1/appdes.shtml	• http://www.pge.com/cco
12.	**Electric Sample Form 62-0687** - *Application for Service -- Existing Service Relocate/Change Service*	Page 1	• http://www.pge.com/myhome/customerservice/other/newconstruction/	• http://www.pge.com/cco
		Page 1	• http:/www.pge.com/mybusiness/customerservice/brochuresforms/	• http://www.pge.com/cco
		Page 2	• http:/www.pge.com/mybusiness/customerservice/brochuresforms/	• http://www.pge.com/cco
13.	**Electric Sample Form 62-0980** - *Distribution Service And Extension Agreement Declarations*	Page 1	• http://www.pge.com/myhome/customerservice/other/newconstruction/	• http://www.pge.com/cco
14.	**Electric Sample Form 79-1069-** *Generating Facility Interconnection Agreement (Multiple Tariff)*	Page 1	• http://www.pge.com/tariffs/tm2/pdf/ELEC_SCHEDS_NEM.pdf	• https://www.pge.com/tariffs/assets/pdf/tariffbook/ELEC_SCHEDS_NEM.pdf
		Page 9	• https://www.gosolarcalifornia.org/equipment/inverters.php	• https://www.energy.ca.gov/programs-and-topics/topics/renewable-energy/solar-equipment-lists
		Appendix H, Page 1	• http://www.energy.ca.gov/renewables/documents/index.html#rps	• https://www.energy.ca.gov/programs-and-topics/programs/renewables-portfolio-standard

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Clean-Up Modification and Cancellations of Tariffs

#	Tariff	Location	Broken/Outdated Link	Updated Link
15.	**Electric Sample Form 79-1069-02 -** *Generating Facility Interconnection Agreement (Multiple Tariff NEM2MT)*	Sheet 9	• https://www.gosolarcalifornia.org/equipment/inverters.php	• https://www.energy.ca.gov/programs-and-topics/topics/renewable-energy/solar-equipment-lists
		Appendix H, Page 1	• http://www.energy.ca.gov/renewables/documents/index.html#rps	• https://www.energy.ca.gov/programs-and-topics/programs/renewables-portfolio-standard
16.	**Electric Sample Form 79-1102** *- Section 399.20 Power Purchase Agreement*	Page 3	• http://www.cpuc.ca.gov/PUC/energy/Renewables/mpr	• https://www.cpuc.ca.gov/general.aspx?id=5599
		Appendix D, Page 2	• https://www.pge.com/qic	• http://www.pge.com/oms
		Appendix D, Page 3	• https://www.pge.com/qic	• http://www.pge.com/oms
17.	**Electric Sample Form 79-1103 -** *Small Renewable Generator Power Purchase Agreement*	Page 3	• http://www.cpuc.ca.gov/PUC/energy/Renewables/mpr	• https://www.cpuc.ca.gov/general.aspx?id=5599
		Appendix D, Page 1	• https://www.pge.com/qic	• http://www.pge.com/oms
		Appendix D, Page 2	• https://www.pge.com/qic	• http://www.pge.com/oms

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Clean-Up Modification and Cancellations of Tariffs

#	Tariff	Location	Broken/Outdated Link	Updated Link
18.	**Electric Sample Form 79-1109 –** *Virtual Net Energy Metering Application and Interconnection Agreement for the Building Owner of Multifamily Affordable Housing with a Solar Generating Facility of 1 Megawatt or Less*	Page 2	• https://www.pge.com/tariffs/tm2/pdf/ELEC_SCHEDS_NEMVMASH.pdf	• https://www.pge.com/tariffs/assets/pdf/tariffbook/ELEC_SCHEDS_NEMVMASH.pdf
		Page 2	• https://www.pge.com/tariffs/tm2/pdf/ELEC_SCHEDS_NEM.pdf	• https://www.pge.com/tariffs/assets/pdf/tariffbook/ELEC_SCHEDS_NEM.pdf
		Page 3	• www.pge.com/includes/docs/pdfs/shared/newgenerator/solarwindgenerators/standardenet/customer_behalf_app.pdf	• https://www.pge.com/tariffs/assets/pdf/tariffbook/ELEC_FORMS_79-1095.pdf
		Page 5	• www.consumerenergycenter.org/erprebate/equipment.html	• https://www.energy.ca.gov/programs-and-topics/topics/renewable-energy/solar-equipment-lists
19.	**Electric Sample Form 79-1109-02 –** *NEM2VMSH Virtual Net Energy Metering Application and Interconnection Agreement for the Building Owner of Multifamily Affordable Housing with a Solar Generating Facility of 1 Megawatt or Less*	Page 3	• www.pge.com/includes/docs/pdfs/shared/newgenerator/solarwindgenerators/standardenet/customer_behalf_app.pdf	• https://www.pge.com/tariffs/assets/pdf/tariffbook/ELEC_FORMS_79-1095.pdf
		Page 5	• www.consumerenergycenter.org/erprebate/equipment.html	• www.consumerenergycenter.org/erprebate/equipment.html

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Clean-Up Modification and Cancellations of Tariffs

#	Tariff	Location	Broken/Outdated Link	Updated Link
20.	**Electric Sample Form 79-1124 –** *Eligible Low Income Development Virtual Net Energy Metering Application and Interconnection Agreement for Multifamily Affordable Housing with Solar Generation Totaling 1 Megawatt or Less*	Page 1	• https://www.pge.com/tariffs/tm2/pdf/ELEC_SCHEDS_NEMVMASH.pdf	• https://www.pge.com/tariffs/assets/pdf/tariffbook/ELEC_SCHEDS_NEMVMASH.pdf
		Page 1	• https://www.pge.com/tariffs/tm2/pdf/ELEC_SCHEDS_NEM.pdf	• https://www.pge.com/tariffs/assets/pdf/tariffbook/ELEC_SCHEDS_NEM.pdf
		Page 3	• www.pge.com/includes/docs/pdfs/shared/newgenerator/solarwindgenerators/standardenet/customer_behalf_app.pdf	• https://www.pge.com/tariffs/assets/pdf/tariffbook/ELEC_FORMS_79-1095.pdf
		Page 9	• http://www.gosolarcalifornia.org/equipment/inverters.php	• https://www.energy.ca.gov/programs-and-topics/topics/renewable-energy/solar-equipment-lists
		Page 10	• www.consumerenergycenter.org/erprebate/equipment.html	• https://www.energy.ca.gov/programs-and-topics/topics/renewable-energy/solar-equipment-lists
21.	**Electric Sample Form 79-1124-02 –** *Eligible Low Income Development Virtual Net Energy Metering (NEM2VMSH) Application and Interconnection Agreement for Multifamily Affordable Housing with Solar Generation Totaling 1 Megawatt or Less*	Attach. B, page 3	• http://www.gosolarcalifornia.org/equipment/inverters.php.	• https://www.energy.ca.gov/programs-and-topics/topics/renewable-energy/solar-equipment-lists
		Attach. B, page 4	• www.consumerenergycenter.org/erprebate/equipment.html	• https://www.energy.ca.gov/programs-and-topics/topics/renewable-energy/solar-equipment-lists

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Clean-Up Modification and Cancellations of Tariffs

#	Tariff	Location	Broken/Outdated Link	Updated Link
22.	**Electric Sample Form 79-1125** - *NEM / NEMV / NEMVMASH Inspection Report*	Page 2	• www.pge.com/includes/docs/pdfs/shared/newgenerator/solarwindgenerators/standardenet/customer_behalf_app.pdf	• https://www.pge.com/tariffs/assets/pdf/tariffbook/ELEC_FORMS_79-1095.pdf
		Page 4	• http://www.gosolarcalifornia.ca.gov/equipment/	• https://www.energy.ca.gov/programs-and-topics/topics/renewable-energy/solar-equipment-lists
		Page 5	• http://www.gosolarcalifornia.ca.gov/equipment/	• https://www.energy.ca.gov/programs-and-topics/topics/renewable-energy/solar-equipment-lists
23.	**Electric Sample Form 79-1131** - *NEMV Application and Interconnection Agreement for a Solar (PV) or Wind Generating Facility of 1 MW or Less*	Page 3	• www.pge.com/includes/docs/pdfs/shared/newgenerator/solarwindgenerators/standardenet/customer_behalf_app.pdf	• https://www.pge.com/tariffs/assets/pdf/tariffbook/ELEC_FORMS_79-1095.pdf
		Page 4	• http://www.gosolarcalifornia.org/equipment/inverters.php.	• https://www.energy.ca.gov/programs-and-topics/topics/renewable-energy/solar-equipment-lists
		Page 5	• https://www.consumerenergycenter.org/erprebate/equipment.html	• https://www.energy.ca.gov/programs-and-topics/topics/renewable-energy/solar-equipment-lists

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Clean-Up Modification and Cancellations of Tariffs

#	Tariff	Location	Broken/Outdated Link	Updated Link
24.	**Electric Sample Form 79-1131-02** - *NEM2V Application and Interconnection Agreement for a Solar (PV) or Wind Generating Facility of 1 MW or Less*	Page 3	• www.pge.com/includes/docs/pdfs/shared/newgenerator/solarwindgenerators/standardenet/customer_behalf_app.pdf	• https://www.pge.com/tariffs/assets/pdf/tariffbook/ELEC_FORMS_79-1095.pdf
		Page 4	• http://www.gosolarcalifornia.org/equipment/inverters.php	• https://www.energy.ca.gov/programs-and-topics/topics/renewable-energy/solar-equipment-lists
		Page 6	• https://www.consumerenergycenter.org/erprebate/equipment.html	• https://www.energy.ca.gov/programs-and-topics/topics/renewable-energy/solar-equipment-lists
25.	**Electric Sample Form 79-1137** - *Interconnection Agreement for Net Energy Metering for a Renewable Electricity Generation Facility of 1,000 Kilowatts or Less, Except Solar or Wind*	Sheet 2	• http://www.gosolarcalifornia.org/equipment/inverters.php	• https://www.energy.ca.gov/programs-and-topics/topics/renewable-energy/solar-equipment-lists
		Appendix C, Page 1	• http://www.energy.ca.gov/renewables/documents/index.html#rps	• https://www.energy.ca.gov/programs-and-topics/programs/renewables-portfolio-standard
26.	**Electric Sample Form 79-1137-02** - *Interconnection Agreement for Net Energy Metering (NEM2/NEM2V) for a Renewable Electricity Generation Facility of 1,000 Kilowatts or Less, Except Solar or Wind*	Page 2	• http://www.gosolarcalifornia.org/equipment/inverters.php	• https://www.energy.ca.gov/programs-and-topics/topics/renewable-energy/solar-equipment-lists
		Appendix C, Page 1	• http://www.energy.ca.gov/renewables/documents/index.html#rps	• https://www.energy.ca.gov/programs-and-topics/programs/renewables-portfolio-standard

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#	Tariff	Location	Broken/Outdated Link	Updated Link
27.	**Electric Sample Form 79-1142** - *NEMV Interconnection Application for a Renewable Electrical Generation Facility of 1 Megawatt or Less*	Page 3	• www.pge.com/includes/docs/pdfs/shared/newgenerator/solarwindgenerators/standardenet/customer_behalf_app.pdf	• https://www.pge.com/tariffs/assets/pdf/tariffbook/ELEC_FORMS_79-1095.pdf
		Page 4	• http://www.gosolarcalifornia.org/equipment/inverters.php	• https://www.energy.ca.gov/programs-and-topics/topics/renewable-energy/solar-equipment-lists
		Page 5	• https://www.consumerenergycenter.org/erprebate/equipment.html	• https://www.energy.ca.gov/programs-and-topics/topics/renewable-energy/solar-equipment-lists
28.	**Electric Sample Form 79-1145** - *Rule 21 Exporting Generator Interconnection Request*	Page 3	• http://www.pge.com/mybusiness/customerservice/nonpgeutility/generateownpower/distributedgeneration/generationrule21/	• https://www.pge.com/en_US/large-business/services/alternatives-to-pge/electric-generation-interconnection.page
29.	**Electric Sample Form 79-1151A-02** - *Agreement And Customer Authorization Net Energy Metering (NEM2) Interconnection For Solar And/Or Wind Electric Generating Facilities Of 30 Kilowatts Or Less*	Page 2	• www.pge.com/greenbutton	• www.pge.com
		Page 5	• www.pge.com/nscoptout	• https://www.pge.com/tariffs/assets/pdf/tariffbook/ELEC_FORMS_79-1130.pdf
		Page 6	• http://www.gosolarcalifornia.org/equipment/inverters.php	• https://www.energy.ca.gov/programs-and-topics/topics/renewable-energy/solar-equipment-lists
30.	**Electric Sample Form 79-1152** - *Customer Information Service Request For DRP (CISR-DRP)*	Page 1	• www.pge.com/tariffs/tm2/pdf/ELEC_RULES_24.pdf	• https://www.pge.com/tariffs/assets/pdf/tariffbook/ELEC_RULES_24.pdf

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#	Tariff	Location	Broken/Outdated Link	Updated Link
31.	**Electric Sample Form 79-1174 -** *Rule 21 Generator Interconnection Application*	Info, Page 1	• www.energy.state.ca.us	• www.energy.ca.gov
		Appendix P4, page 3	• www.pge.com/tariffs/tm2/pdf/ELEC_FORMS_79-1095.pdf	• https://www.pge.com/tariffs/assets/pdf/tariffbook/ELEC_FORMS_79-1095.pdf
32.	**Electric Sample Form 79-1174-02 -** *Rule 21 Generator Interconnection Application*	Page 1	• www.energy.state.ca.us	• www.energy.ca.gov
		Page 3	• http://www.pge.com/mybusiness/customerservice/nonpgeutility/generateownpower/distributedgeneration/generationrule21/	• https://www.pge.com/en_US/for-our-business-partners/interconnection-renewables/interconnections-renewables.page?ctx=large-business
		Page 3	• http://www.pge.com/tariffs/tm2/pdf/ELEC_RULES_21.pdf	• https://www.pge.com/tariffs/assets/pdf/tariffbook/ELEC_RULES_21.pdf
		Page 3	• http://www.pge.com/en/mybusiness/services/nonpge/generateownpower/distributedgeneration/interconnectionhandbook/index.page	• https://www.pge.com/en_US/large-business/services/alternatives-to-pge/distribution-handbook.page
		Page 3	• http://www.pge.com/en/mybusiness/services/nonpge/electrictransmission/contractstariffs/handbook/index.page	• https://www.pge.com/en_US/large-business/services/alternatives-to-pge/third-party-electric-options/electric-transmission-services/transmission-interconnection-handbooks.page
		Appendix P4, page 3	• www.pge.com/tariffs/tm2/pdf/ELEC_FORMS_79-1095.pdf	• https://www.pge.com/tariffs/assets/pdf/tariffbook/ELEC_FORMS_79-1095.pdf

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Clean-Up Modification and Cancellations of Tariffs

#	Tariff	Location	Broken/Outdated Link	Updated Link
33.	**Electric Sample Form 79-1186 -** *Share My Data Customer Authorization or Revocation of Authorization Form*	Page 1	• www.pge.com/tariffs/tm2/pdf/ELEC_RULES_25.pdf	• https://www.pge.com/tariffs/assets/pdf/tariffbook/ELEC_RULES_25.pdf
34.	**Electric Sample Form 79-1191 -** *Generating Facility Interconnection Agreement for Local Government Renewable Energy Self-Generation Bill Credit Transfer (RES-BCT),*	Page 4	• http://www.gosolarcalifornia.org/equipment/inverters.php	• https://www.energy.ca.gov/programs-and-topics/topics/renewable-energy/solar-equipment-lists
		Appendix D, Page 1	• http://www.energy.ca.gov/renewables/documents/index.html#rps	• https://www.energy.ca.gov/programs-and-topics/programs/renewables-portfolio-standard
35.	**Electric Sample Form 79-1198-02 -** *Interconnection Agreement for Net Energy Metering (NEM2) and Renewable Electrical Generating Facility Sized Greater than 1,000 kW*	Page 2	• http://www.gosolarcalifornia.org/equipment/inverters.php	• https://www.energy.ca.gov/programs-and-topics/topics/renewable-energy/solar-equipment-lists
		Page 26	• http://www.energy.ca.gov/renewables/documents/index.html#rps	• https://www.energy.ca.gov/programs-and-topics/programs/renewables-portfolio-standard
36.	**Electric Sample Form 79-726 -** *Electric Standby Service Log Sheet Schedule S*	Page 1	• http://www.pge.com/meterreading	• https://www.pge.com/en_US/residential/save-energy-money/analyze-your-usage/your-usage/view-and-share-your-data-with-smartmeter/reading-the-smartmeter/meter-reading-schedule.page
37.	**Electric Schedule A-10 -** *Medium General Demand-Metered Service*	Sheet 10	• https://inter-act.pge.com	• www.pge.com/youraccount
38.	**Electric Schedule AG-4 -** *Time-of-Use Agricultural Power*	Sheet 18	• https://inter-act.pge.com	• www.pge.com/youraccount
39.	**Electric Schedule AG-5 -** *Large Time-of-Use Agricultural Power*	Sheet 21	• https://inter-act.pge.com	• www.pge.com/youraccount

Advice 4295-G/5920-E – Appendix A

Table A.2

Clean-Up Modification and Cancellations of Tariffs

#	Tariff	Location	Broken/Outdated Link	Updated Link
40.	**Electric Schedule B-19 -** *Medium General Demand-Metered TOU Service*	Sheet 18	• http://www.gosolarcalifornia.ca.gov/equipment/documents/PV_Module_List_Simplified_Data.xlsx	• https://www.energy.ca.gov/programs-and-topics/topics/renewable-energy/solar-equipment-lists
		Sheet 18	• http://www.gosolarcalifornia.ca.gov/equipment/documents/Inverter_List_Simplified_Data.xlsx	• https://www.energy.ca.gov/programs-and-topics/topics/renewable-energy/solar-equipment-lists
41.	**Electric Schedule B-20 -** *Service to Customers with Maximum Demands of 1000 Kilowatts or More*	Sheet 17	• http://www.gosolarcalifornia.ca.gov/equipment/documents/PV_Module_List_Simplified_Data.xlsx	• https://www.energy.ca.gov/programs-and-topics/topics/renewable-energy/solar-equipment-lists
		Sheet 17	• http://www.gosolarcalifornia.ca.gov/equipment/documents/Inverter_List_Simplified_Data.xlsx	• https://www.energy.ca.gov/programs-and-topics/topics/renewable-energy/solar-equipment-lists
42.	**Electric Schedule E-19 -** *Medium General Demand-Metered TOU Service*	Sheet 20	• https://inter-act.pge.com	• www.pge.com/youraccount
		Sheet 22	• http://www.gosolarcalifornia.ca.gov/equipment/documents/PV_Module_List_Simplified_Data.xlsx	• https://www.energy.ca.gov/programs-and-topics/topics/renewable-energy/solar-equipment-lists
		Sheet 22	• http://www.gosolarcalifornia.ca.gov/equipment/documents/Inverter_List_Simplified_Data.xlsx	• https://www.energy.ca.gov/programs-and-topics/topics/renewable-energy/solar-equipment-lists

Advice 4295-G/5920-E – Appendix A

Table A.2

Clean-Up Modification and Cancellations of Tariffs

#	Tariff	Location	Broken/Outdated Link	Updated Link
43.	**Electric Schedule E-20 -** *Service to Customers with Maximum Demands of 1000 Kilowatts or More*	Sheet 14	• https://inter-act.pge.com	• www.pge.com/youraccount
		Sheet 16	• http://www.gosolarcalifornia.ca.gov/equipment/documents/PV_Module_List_Simplified_Data.xlsx	• https://www.energy.ca.gov/programs-and-topics/topics/renewable-energy/solar-equipment-lists
		Sheet 16	• http://www.gosolarcalifornia.ca.gov/equipment/documents/Inverter_List_Simplified_Data.xlsx	• https://www.energy.ca.gov/programs-and-topics/topics/renewable-energy/solar-equipment-lists
44.	**Electric Schedule NEM -** *Net Energy Metering Service*	Page 3	• http://www.energy.ca.gov/renewables/documents/index.html#rps	• https://www.energy.ca.gov/programs-and-topics/programs/renewables-portfolio-standard
		Page 19	• http://www.energy.ca.gov/renewables/documents/#rps	• https://www.energy.ca.gov/programs-and-topics/programs/renewables-portfolio-standard
45.	**Electric Schedule NEM2-** *Net Energy Metering Service*	Page 2	• http://www.energy.ca.gov/renewables/documents/index.html#rps	• https://www.energy.ca.gov/programs-and-topics/programs/renewables-portfolio-standard
		Page 21	• http://www.energy.ca.gov/renewables/documents/#rps	• https://www.energy.ca.gov/programs-and-topics/programs/renewables-portfolio-standard
		Page 28	• http://www.energy.ca.gov/renewables/documents/index.html#rps	• https://www.energy.ca.gov/programs-and-topics/programs/renewables-portfolio-standard

Advice 4295-G/5920-E – Appendix A

Table A.2

Clean-Up Modification and Cancellations of Tariffs

#	Tariff	Location	Broken/Outdated Link	Updated Link
46.	**Electric Schedule NEM2V -** *Virtual Net Energy Metering Service*	Sheet 3	• http://www.energy.ca.gov/renewables/documents/index.html#rps	• https://www.energy.ca.gov/programs-and-topics/programs/renewables-portfolio-standard
		Sheet 20	• http://www.energy.ca.gov/renewables/documents/#rps	• https://www.energy.ca.gov/programs-and-topics/programs/renewables-portfolio-standard
47.	**Electric Schedule NEM2VSOM -** *Virtual Net Energy Metering Solar on Multifamily Affordable Housing (SOMAH) Properties*	Sheet 7	• https://www.pge.com/tariffs/tm2/pdf/GAS_FORMS_02-2590.pdf	• https://www.pge.com/tariffs/assets/pdf/tariffbook/ELEC_FORMS_02-2590.pdf
48.	**Electric Schedule NEMV -** *Virtual Net Metering For A Multi-Tenant Or Multi-Meter Property Served At The Same Service Delivery Point*	Sheet 7	• http://www.energy.ca.gov/renewables/documents/index.html#rps	• https://www.energy.ca.gov/programs-and-topics/programs/renewables-portfolio-standard
49.	**Electric Schedule NEMVMASH -** *Virtual Net Energy Metering For Multifamily Affordable Housing (MASH/NSHP) With Solar Generator(s)*	Sheet 15	• http://www.energy.ca.gov/renewables/documents/#rps	• https://www.energy.ca.gov/programs-and-topics/programs/renewables-portfolio-standard
50.	**Electric Rule 21**	Sheet 261	• http://www.pge.com/mybusi%20ness/%20customerservice/nonpgeutil%20ity/%20generateownpower/egi/	• https://www.pge.com/en_US/large-business/services/alternatives-to-pge/electric-generation-interconnection.page

California Public Utilities Commission

ADVICE LETTER SUMMARY

ENERGY UTILITY

MUST BE COMPLETED BY UTILITY (Attach additional pages as needed)

Company name/CPUC Utility No.: Pacific Gas and Electric Company (ID U39M)

Utility type:
☑ ELC ☑ GAS ☐ WATER
☐ PLC ☐ HEAT

Contact Person: Kimberly Loo
Phone #: (415)973-4587
E-mail: PGETariffs@pge.com
E-mail Disposition Notice to: KELM@pge.com

EXPLANATION OF UTILITY TYPE
ELC = Electric GAS = Gas WATER = Water
PLC = Pipeline HEAT = Heat

(Date Submitted / Received Stamp by CPUC)

Advice Letter (AL) #: 4295-G/5920-E

Tier Designation: 1

Subject of AL: Clean-Up of Gas and Electric Tariffs

Keywords (choose from CPUC listing): Compliance, Balancing Account, Memorandum Account

AL Type: ☐ Monthly ☐ Quarterly ☐ Annual ☑ One-Time ☐ Other:

If AL submitted in compliance with a Commission order, indicate relevant Decision/Resolution #:

Does AL replace a withdrawn or rejected AL? If so, identify the prior AL: No

Summarize differences between the AL and the prior withdrawn or rejected AL:

Confidential treatment requested? ☐ Yes ☑ No

If yes, specification of confidential information:
Confidential information will be made available to appropriate parties who execute a nondisclosure agreement. Name and contact information to request nondisclosure agreement/ access to confidential information:

Resolution required? ☐ Yes ☑ No

Requested effective date: 8/18/20

No. of tariff sheets: 135

Estimated system annual revenue effect (%): N/A

Estimated system average rate effect (%): N/A

When rates are affected by AL, include attachment in AL showing average rate effects on customer classes (residential, small commercial, large C/I, agricultural, lighting).

Tariff schedules affected: See Attachment 1

Service affected and changes proposed[1]: N/A

Pending advice letters that revise the same tariff sheets: N/A

[1]Discuss in AL if more space is needed.

Clear Form

Protests and all other correspondence regarding this AL are due no later than 20 days after the date of this submittal, unless otherwise authorized by the Commission, and shall be sent to:

CPUC, Energy Division
Attention: Tariff Unit
505 Van Ness Avenue
San Francisco, CA 94102
Email: EDTariffUnit@cpuc.ca.gov

Name: Erik Jacobson, c/o Megan Lawson
Title: Director, Regulatory Relations
Utility Name: Pacific Gas and Electric Company
Address: 77 Beale Street, Mail Code B13U
City: San Francisco, CA 94177
State: California Zip: 94177
Telephone (xxx) xxx-xxxx: (415)973-2093
Facsimile (xxx) xxx-xxxx: (415)973-3582
Email: PGETariffs@pge.com

Name:
Title:
Utility Name:
Address:
City:
State: California Zip:
Telephone (xxx) xxx-xxxx:
Facsimile (xxx) xxx-xxxx:
Email:

Clear Form

Cal P.U.C. Sheet No.	Title of Sheet	Cancelling Cal P.U.C. Sheet No.
36165-G	Gas Sample Form No. 62-0683 Application for Service -- Residential Single Family Dwelling Sheet 1	30308-G
36166-G	Gas Sample Form No. 62-0684 Application for Service -- Residential Subdivision/Development Sheet 1	29982-G
36167-G	Gas Sample Form No. 62-0685 Application for Service -- Commercial/Industrial Development Sheet 1	29983-G
36168-G	Gas Sample Form No. 62-0686 Application for Service -- Agricultural Service Sheet 1	29984-G
36169-G	Gas Sample Form No. 62-0687 Application for Service -- Existing Service Relocate/Change Service Sheet 1	29985-G
36170-G	Gas Sample Form No. 62-0980 Distribution Service and Extension Agreement Declarations Sheet 1	29986-G
36171-G	Gas Sample Form No. 79-1186 Customer Information Service Request For Share My Data (CISR-SMD) Sheet 1	34579-G**
36172-G	Gas Sample Form No. 79-755 Agreement for Transportation of Natural Gas for Compression as a Motor-Vehicle Fuel Sheet 1	30760-G
36173-G	GAS SCHEDULE G-AA AS AVAILABLE TRANSPORTATION ON-SYSTEM Sheet 2	35588-G
36174-G	GAS SCHEDULE G-AAOFF AS-AVAILABLE TRANSPORTATION OFF-SYSTEM Sheet 2	35589-G
36175-G	GAS SCHEDULE G-AFT ANNUAL FIRM TRANSPORTATION ON-SYSTEM Sheet 3	30656-G
36176-G	GAS SCHEDULE G-AFTOFF ANNUAL FIRM TRANSPORTATION OFF-SYSTEM Sheet 3	22057-G
36177-G	GAS SCHEDULE G-AMDS EXPERIMENTAL ACCESS TO METER DATA SERVICES Sheet 1	27668-G

Cal P.U.C. Sheet No.	Title of Sheet	Cancelling Cal P.U.C. Sheet No.
36178-G	GAS SCHEDULE G-NAA NEGOTIATED AS-AVAILABLE TRANSPORTATION ON-SYSTEM Sheet 3	22184-G
36179-G	GAS SCHEDULE G-NAAOFF NEGOTIATED AS-AVAILABLE TRANSPORTATION OFF-SYSTEM Sheet 3	22913-G
36180-G	GAS SCHEDULE G-NFT NEGOTIATED FIRM TRANSPORTATION ON-SYSTEM Sheet 3	30668-G
36181-G	GAS SCHEDULE G-NFTOFF NEGOTIATED FIRM TRANSPORTATION OFF-SYSTEM Sheet 3	30671-G
36182-G	GAS SCHEDULE G-SFT SEASONAL FIRM TRANSPORTATION ON-SYSTEM ONLY Sheet 3	22178-G
36183-G	GAS TABLE OF CONTENTS Sheet 1	36122-G
36184-G	GAS TABLE OF CONTENTS Sheet 2	36116-G
36185-G	GAS TABLE OF CONTENTS Sheet 3	36054-G
36186-G	GAS TABLE OF CONTENTS Sheet 8	36104-G
36187-G	GAS TABLE OF CONTENTS Sheet 9	36024-G
36188-G	GAS TABLE OF CONTENTS Sheet 10	35855-G
36189-G	GAS TABLE OF CONTENTS Sheet 12	35993-G
36190-G	GAS TABLE OF CONTENTS Sheet 13	36014-G

Gas Sample Form No. 62-0683 Sheet 1
Application for Service -- Residential Single Family Dwelling

Please Refer to Attached Sample Form

APPLICATION FOR SERVICE
RESIDENTIAL SINGLE FAMILY DWELLING[1]

Please complete this application and submit the completed form to PG&E Application for Service at P.O. Box 24047, Fresno, CA 93706-2010. You may also submit applications at http://www.pge.com/cco or call 1-877-PGE-SRVC.
**Indicates optional fields.*

Project Information

☐ Gas Service ☐ Electric Overhead Service ☐ Electric Underground Service Date Initial Service Needed_____

Project Address or Lot Number_____ City_____ County_____ Zip_____

Single Family Dwelling☐ Multiple Lots☐ *Assessor's Parcel_____ *Building Permit_____

Nearest Cross Street_____

Applicant / Company Name_____

☐ Individual ☐ Partnership ☐ Corporation ☐ Limited Liability Corporation ☐ Governmental Agency ☐ Sole Proprietor

☐ Other_____

Day Phone (_____)_____ *Cell Phone (_____)_____ *Fax (_____)_____ *Email address_____
(Correspondence will be sent via e-mail)

Applicant Address_____ City_____ State_____ Zip_____

Contract Information

Legal Name to appear on contract_____

☐ Individual ☐ Partnership ☐ Corporation ☐ Limited Liability Corporation ☐ Governmental Agency ☐ Sole Proprietor

☐ Other_____

*State of incorporation or LLC_____

Name of person authorized to sign contracts_____ *Title _____
(First Name, Middle Initial, Last Name)

Mailing address for contract _____ City_____ State_____ Zip_____

Representative Information (Party who will relay project information and updates to the PG&E representative)

Name of Representative

Day Phone (_____)_____ *Cell Phone (_____)_____ *Fax (_____)_____ *Email address_____

Mailing address _____City_____ State_____ Zip_____

*Contractor's Name_____ *Contractor's Phone (_____)_____

Credit Information (Party responsible for energy use after the meter is installed)

Name/Company Name to appear on bill_____ Day Phone (_____)_____ *Evening Phone (_____)_____
(First Name, Middle Initial, Last Name)

☐ Individual ☐ Partnership ☐ Corporation ☐ Limited Liability Corporation ☐ Governmental Agency ☐ Sole Proprietor

☐ Other_____

Mailing address _____City_____ State_____ Zip_____

*Does the customer currently have service with PG&E? ☐ No ☐ Yes

[1]Automated Document – Preliminary Statement Part A

APPLICATION FOR SERVICE
RESIDENTIAL SINGLE FAMILY DWELLING[1]

*If yes, please provide the PG&E Account Number _____

*Do you want the new service included on your existing bill? ☐ No ☐ Yes

*Desired Electric Rate Schedule _____ *Desired Gas Rate Schedule _____

If you want additional information on rate options or want to request a free rate analysis, visit http://www.pge.com/myhome/myaccount/rateinfo/ or calling 1-877-PGE-SRVC. If a rate schedule is not selected, PG&E will select an applicable rate schedule.

Application and Design and Installation Options

As an applicant for new gas or electric service, you can choose either PG&E or a qualified contractor to design new gas/electric distribution and/or service facilities. You can also choose either PG&E or a qualified contractor to construct all or a portion of new gas/electric distribution and/or service facilities. PG&E will provide you with a bid for the design and the construction work, to assist you in making a selection. You will then have the opportunity to choose either a qualified contractor to perform the design/or construction work.
In accordance with PG&E's filed tariffs, electric trenching, conduits, substructures and gas service trenching are the applicant's responsibility. Once you make a decision about who will perform the work, if you subsequently change your selection, you will be responsible for any re-engineering charges incurred as a result of that change.

You should become familiar with the applicant design installation requirements, including PG&E's Applicant Design Guide and General Terms and Conditions, before you make your selection. For copies of these documents and/or for additional information, visit *http://www.pge.com/cco* or request information by calling 1-877-PGE-SRVC.

PG&E must provide project specific information to design contractors. PG&E can provide this information sooner if we know whether or not you are considering using a design contractor to design gas/electric distribution or service facilities.

Providing this information on this Application is voluntary and is not binding. PG&E will provide you with a bid for the design work regardless of whether or not you answer this question now and will not require a final decision from you until later in the process.

Are you currently planning to use a design contractor? ☐ No ☐ Yes

Construction Information

**Please note if you have selected "Electric Overhead Service" without "Gas Service" all trench related questions become optional fields.

Joint trench drawing to be prepared by: ☐ Applicant ☐ PG&E ☐ Not required

Who will trench and backfill for the distribution facilities? ☐ Applicant / Elec ☐ PG&E / Elec ☐ Date Joint Trench Required _____

Proposed distribution trench occupants or joint pole occupants: (check all that apply) ☐ Electric ☐ Gas ☐ Phone ☐ CATV

☐ Other _____

Who will install distribution conduit and substructures? ☐ Applicant ☐ PG&E

Who will trench and backfill for the service facilities? ☐ Applicant / Gas ☐ PG&E / Gas ☐ Date Joint Trench Required _____

☐ Applicant / Elec ☐ PG&E / Elec

Proposed service trench occupants or joint pole occupants: (check all that apply) ☐ Electric ☐ Gas ☐ Phone ☐ CATV

☐ Other

Who will install service conduit and substructures? ☐ Applicant ☐ PG&E

*Transformer type requested: ☐ Padmounted ☐ Subsurface (additional Special Facilities charges may apply)

Water, sanitary sewer, storm drain, low pressure gas, oil or other fluid carrying piping or facilities or private utilities (e.g. fire alarm, private streetlight systems, private phone, private CATV or gate controllers) are not permitted in a PG&E occupied joint trench.

[1]Automated Document – Preliminary Statement Part A

APPLICATION FOR SERVICE
RESIDENTIAL SINGLE FAMILY DWELLING[1]

IMPORTANT NOTE: Do NOT install your electric main switch or gas house line until the location is approved by PG&E.

General Construction Information

Include on this application any eligible Rule 20B or Rule 20C conversion work or any eligible relocation work.

Total square footage _____

☐ I am adding load or square footage to an existing residence

☐ Panel Upgrade ☐ Relocation

Will any existing PG&E gas or electric facilities require relocation or removal? ☐ No ☐ Yes ☐ Not Sure Date needed

*Will temporary electric service be required? ☐ No ☐ Yes Date needed _____

*Will temporary gas service be required? ☐ No ☐ Yes Date needed _____

If, yes please complete the following:

*Will Temporary Service power be operated for less than one year? ☐ No ☐ Yes

*Have you ever completed a temporary power project with us before? ☐ No ☐ Yes

*Who will trench and backfill for Temporary Service?

☐ Applicant/Gas ☐ PG&E/Gas

☐ Applicant/Electric ☐ PG&E/Electric

ElectricTemporaryServices

*Panel, Main Breaker Size _____amps

*Will Applicant or Contractor Install Pole? ☐ No ☐ Yes

GasTemporaryServices

*Gas Service Delivery Pressure Requested: ☐ ¼ psig ☐other _____

*Number of Meters at each service location? _____

*Total Gas Load _____

IN THE EVENT THAT APPLICANT SHALL MAKE ANY MATERIAL CHANGE EITHER IN THE AMOUNT OR CHARACTER OF THE APPLIANCES OR APPARATUS INSTALLED UPON THE PREMISES TO BE SUPPLIED BY PG&E, INCLUDING PANEL SIZE, APPLICANT SHALL IMMEDIATELY GIVE PG&E WRITTEN NOTICE OF THIS FACT.

Electric Load Information

Main Switch Size (Meter Panel & Service Termination Enclosure) _____ amps

Voltage: (select one) ☐120/240 Volt, 3-Wire, 1Ø (standard residential service) ☐ 120/208 Volt, 3-Wire, 1Ø ☐Other _____

Standard residential loads: (Check all that apply) Is this a seasonal load ☐ Yes ☐ No

☐ Lighting ☐ Electric Oven ☐ Electric Range ☐ Electric Water Heater (_____kW) ☐ Freezer

☐ Dish Washer ☐ Laundry Dryer ☐ Refrigerator ☐ On-Demand Water Heating (_____kW) ☐ Outdoor Lighting

☐ Air Conditioning – largest (_____ tons) ☐ Domestic Water Pump (_____ hp) ☐ Heat Pump (_____ tons)

☐ Air Conditioning - second A/C (_____ tons) ☐ Locked Rotor (_____ amps) ☐ Pool / Spa (_____ kW)

[1]Automated Document – Preliminary Statement Part A

APPLICATION FOR SERVICE
RESIDENTIAL SINGLE FAMILY DWELLING[1]

☐ Other electric heat (_____kW) ☐ NGV Compressor (_____ hp) ☐ Electric Vehicle (_____kW)

Other electric load (specify) _____ Number of meters needed _____

Natural Gas Load Information

If natural gas is not available, will you use propane? ☐ No ☐ Yes

Gas Service Delivery Pressure Requested: ☐ ¼ psig ☐ Other (psig)

Check all that apply: (If additional space is required please attach a spreadsheet using same format as below) (MBtu/h = 1,000 BTU/h)

☐ Water Heater (_____ MBtu/h) ☐Gas Oven (_____ MBtu/h) ☐Furnace (_____ MBtu/h) ☐Pool /Spa (_____ MBtu/h)

☐Laundry Dryer (_____ MBtu/h) ☐Gas Range (_____ MBtu/h) ☐On-Demand Water Heater (_____ MBtu/h)

☐Other gas load (specify) _____Number of meters needed _____

Self-Generation and Net Metering Options

If you are planning to install any self generation equipment, photovoltaic, or wind generation, additional applications for interconnection to PG&E's electric system must be submitted and approved by PG&E prior to engineering for your new construction project. The information you provide on your generation interconnection application may affect the final PG&E design for your project.

For information on PG&E's net metering programs, including eligibility guidelines, generation interconnection program application forms, links to the California Public Utilities Commission, Energy Commission and the US Department of Energy, visit www.pge.com/b2b/newgenerator/ or contact PG&E's Generation Interconnection Services at (415) 972-5676.

Are you planning to install any self generation equipment? ☐No ☐Yes
If yes, please provide us with an estimate of the Generation proposed for this project.
Total # of generation units _____ Total output of all generation _____ kW Generation Type _____

Attachment – 2 copies required

A. Assessors parcel map showing all easements, rights-of-way, property lines, etc.
B. Detailed site plan showing roads, sidewalks, driveways, location of fire hydrants and other structures, proposed location of gas and electric meters, building elevations, and proposed future improvements. (Meter locations are subject to PG&E approval.)
C. One copy of the county or city approved plot plan with assigned address is required to establish the PG&E account.
D. Title 24 Utility Report or building permit.
E. Copies of all environmental permits and/or conditions of approval.

Applicant is responsible for identifying all environmental requirements within said permits, approvals and/or conditions. For additional information visit *http://www.pge.com/myhome/customerservice/other/newconstruction/*

Agreement to Pay and Signature

I understand that service will be engineered and installed based upon the information provided here. I agree to pay PG&E, on demand, for all work PG&E performs and all costs PG&E incurs for this application for service. PG&E may cancel this Application for Service (a) if the application is incomplete and I do not provide all necessary supporting documents and project data after being notified by PG&E, (b) if I fail to provide an engineering advance within ninety days after one is requested by PG&E, or (c) if PG&E sends a proposed contract and I do not return the contract, with the required payment, within ninety days. If the project is postponed or cancelled, by either party, I will pay PG&E for all such work and costs incurred by PG&E prior to the postponement or cancellation. PG&E's costs may include, for example, labor, material and supplies, (including long lead time materials), transportation, and other direct costs which PG&E allocates to such work. Incomplete information or any changes made at my request during the engineering, or after it is completed, will subject me to additional charges and may delay the establishment of service. I further agree to pay for any damage to new or existing PG&E facilities caused by my contractors or me. Service shall be subject to all of PG&E's applicable tariff schedules on file with and authorized by the California Public Utilities Commission (CPUC) and shall at all times be subject to such changes or modifications as the CPUC may direct from time to time in the exercise of its jurisdiction.

[1]Automated Document – Preliminary Statement Part A

APPLICATION FOR SERVICE
RESIDENTIAL SINGLE FAMILY DWELLING[1]

I understand that PG&E may require an engineering advance to cover some or all of its costs for project review, design work and cost development in connection with this application for service. I understand that any advance will be based upon current costs and the amount of work anticipated by PG&E based upon the information submitted in this application. I understand that any advance will be credited against the amount I owe, applied to the amount I may owe on the resulting line extension agreement, or refunded to me without interest when PG&E has completed its engineering work or if the project has been cancelled or postponed.

I have read the above information. I understand and agree with the provisions and my responsibilities.

Applicant's Signature _____ Print Name _____ Date _____
First Name, Middle Initial, Last Name

[1]Automated Document – Preliminary Statement Part A

Gas Sample Form No. 62-0684 Sheet 1
Application for Service -- Residential Subdivision/Development

Please Refer to Attached Sample Form

APPLICATION FOR SERVICE
RESIDENTIAL SUBDIVISION / DEVELOPMENT

Please complete this application and submit the completed form and attachments to PG&E Application for Service at P.O. Box 24047, Fresno, CA 93706-2010. You may also submit applications at http://www.pge.com/cco or call 1-877-PGE-SRVC.
** Indicates optional fields.*

Project Type

☐ Build-Out (Production) Subdivision ☐ Apartments ☐ Zero Lot Line

☐ Condominiums ☐ Lot Sale Number of lots / units

Project Information

☐ Gas Service ☐ Electric Overhead Service ☐ Electric Underground Service Date Initial Service Needed

Project Name *Tract Number _____

Project Address /Location City County Zip

Nearest Cross Street

Applicant / Company Name

☐ Individual ☐ Partnership ☐ Corporation ☐ Limited Liability Corporation ☐ Governmental Agency

☐ Sole Proprietor ☐ Other

Day Phone( ) *Cell Phone ( ) *Fax ( ) *Email address
(Correspondence will be sent via e-mail)

Applicant Mailing Address City State Zip

Trench start date Date you will begin construction (grading) Trench completion date

Contract Information

Legal Name to appear on contract

☐ Individual ☐ Partnership ☐ Corporation ☐ Limited Liability Corporation ☐ Governmental Agency

☐ Sole Proprietor ☐ Other

*State of incorporation or LLC

Name of person authorized to sign contracts *Title
(First Name, Middle Initial, Last Name)

Mailing address for contract City State Zip

Representative Information (Party who will relay project information and updates to the PG&E representative)

Name of Representative

Day Phone ( ) *Cell Phone ( ) *Fax ( ) *Email address

Mailing address City State Zip

*Contractor's Name *Contractor's Phone

Pacific Gas and Electric Company

APPLICATION FOR SERVICE
RESIDENTIAL SUBDIVISIONS / DEVELOPMENT

Credit Information (Party responsible for energy use after the meter is installed)

Name to appear on bill Day Phone( ) *Evening Phone ( )
(First Name, Middle Initial, Last Name)

☐ Individual ☐ Partnership ☐ Corporation ☐ Limited Liability Corporation ☐ Governmental Agency ☐ Sole Proprietor

☐ Other

Mailing address for bill City State Zip

*Does the customer currently have service with PG&E? ☐ No ☐ Yes

*If yes, please provide the PG&E Account Number

*Do you want the new service included on your existing bill? ☐ No ☐ Yes

*Desired Electric Rate Schedule *Desired Gas Rate Schedule

If you want additional information on rate options or want to request a free rate analysis, visit *http://www.pge.com/myhome/myaccount/rateinfo/* or call 1-877-PGE-SRVC. If a rate schedule is not selected, PG&E will select an applicable rate schedule.

Application and Design and Installation Options

As an applicant for new gas or electric service, you can choose either PG&E or a qualified contractor to design new gas/electric distribution and/or service facilities. You can also choose either PG&E or a qualified contractor to construct all or a portion of new gas/electric distribution and/or service facilities. PG&E will provide you with a bid for the design and the construction work, to assist you in making a selection. You will then have the opportunity to choose either a qualified contractor to perform the design/or construction work. In accordance with PG&E's filed tariffs, electric trenching, conduits, substructures and gas service trenching are the applicant's responsibility. Once you make a decision about who will perform the work, if you subsequently change your selection, you will be responsible for any re-engineering charges incurred as a result of that change.

You should become familiar with the applicant design installation requirements, including PG&E's Applicant Design Guide and General Terms and Conditions, before you make your selection. For copies of these documents and/or for additional information, visit *http://www.pge.com/cco* or request information by calling 1-877-PGE-SRVC.

PG&E must provide project specific information to design contractors. PG&E can provide this information sooner if we know whether or not you are considering using a design contractor to design gas/electric distribution or service facilities.

Providing this information on this Application is voluntary and is not binding. PG&E will provide you with a bid for the design work regardless of whether or not you answer this question now and will not require a final decision from you until later in the process.

Are you currently planning to use a design contractor? Yes No

Pacific Gas and Electric Company

APPLICATION FOR SERVICE
RESIDENTIAL SUBDIVISIONS / DEVELOPMENT

Construction Information

**Please note if you have selected "Electric Overhead Service" without "Gas Service" all trench related questions become optional fields.

Joint trench drawing to be prepared by: ☐ Applicant ☐ PG&E ☐ Not required

Who will trench and backfill for the distribution facilities? ☐ Applicant / Elec ☐ PG&E / Elec ☐ Date Joint Trench Required

Proposed distribution trench occupants or joint pole occupants: (check all that apply) ☐ Electric ☐ Gas ☐ Phone ☐ CATV ☐ Other

Who will install distribution conduit and substructures? ☐ Applicant ☐ PG&E

Who will trench and backfill for the service facilities? ☐ Applicant / Gas ☐ PG&E / Gas ☐ Date Joint Trench Required ☐ Applicant / Elec ☐ PG&E / Elec

Proposed service trench occupants or joint pole occupants: (check all that apply) ☐ Electric ☐ Gas ☐ Phone ☐ CATV ☐ Other

Who will install service conduit and substructures? ☐ Applicant ☐ PG&E ☐ Date Joint Trench Required

*Transformer type requested: ☐ Padmounted ☐ Subsurface (additional Special Facilities charges may apply)

Water, sanitary sewer, storm drain, low pressure gas, oil or other fluid carrying piping or facilities or private utilities (e.g. fire alarm, private streetlight systems, private phone, private CATV or gate controllers) are not permitted in a PG&E occupied joint trench.

General Construction Information

Include on this application any eligible Rule 20B or Rule 20C conversion work or any eligible relocation work.

*Will temporary electric service be required? ☐ No ☐ Yes Date needed

*Will temporary gas service be required? ☐ No ☐ Yes Date needed

If, yes please complete the following:

*Will Temporary Service power be operated for less than one year? ☐ No ☐ Yes ☐ Not Sure Date needed

*Have you ever completed a temporary power project with us before? ☐ No ☐ Yes

*Who will trench and backfill for Temporary Service?

☐ Applicant/Gas ☐ PG&E/Gas

☐ Applicant/Electric ☐ PG&E/Electric

Electric Temporary Services

*Panel, Main Breaker Size amps

*Will Applicant or Contractor Install Pole? ☐ No ☐ Yes

Gas Temporary Services

*Gas Service Delivery Pressure Requested: ☐ ¼ psig ☐other

*Number of Meters at each service location?

Pacific Gas and Electric Company

APPLICATION FOR SERVICE
RESIDENTIAL SUBDIVISIONS / DEVELOPMENT

*Total Gas Load

Will existing PG&E electric overhead facilities require undergrounding? ☐ No ☐ Yes ☐ Not sure Date needed

Will any existing PG&E gas or electric facilities require relocation or removal? ☐ No ☐ Yes ☐ Not sure Date needed

Average square footage Largest square footage

IN THE EVENT THAT APPLICANT SHALL MAKE ANY MATERIAL CHANGE EITHER IN THE AMOUNT OR CHARACTER OF THE APPLIANCES OR APPARATUS INSTALLED UPON THE PREMISES TO BE SUPPLIED BY PG&E, INCLUDING PANEL SIZE, APPLICANT SHALL IMMEDIATELY GIVE PG&E WRITTEN NOTICE OF THIS FACT.

Electric Load Information

Main Switch Size (Meter Panel & Service Termination Enclosure) amps

Voltage: (select one) ☐ 120/240 Volt, 3-wire, 1Ø ☐ 120/208 Volt, 3-wire, 1Ø ☐ 240/120 Volt, 4-wire, 3Ø ☐ 208/120 Volt, 4-wire, 3Ø ☐ 480/277 Volt, 4-wire, 3Ø

Check all that apply:

☐ Standard residential loads (Lighting, Electric Oven, Electric Range, Refrigerator, Freezer, Dish Washer, Laundry Dryer, Electric Water Heater)

☐ Air Conditioner (tons) ☐ Domestic Water Pump (hp) ☐ Pool / Spa (kW)

☐ Other electric heat (kW) ☐ Heat Pump (tons) ☐ Electric Vehicle (kW)

☐ On-Demand Water Heating (kW) ☐ NGV Compressor (hp)

☐ Other electric load (specify) Number of meters needed

Common Usage Area Electric Load Information

☐ Lift Station ☐ Club House ☐ Park Site ☐ Sprinkler / Irrigation Controls (must be metered)

☐ Street Lighting ☐ Area Lighting ☐ Other (Specify)

* Street Light Load Information

Number of street lights to be added in development Watts per lamp Number of existing street lights to be removed

Bulb type: ☐ High Pressure Sodium Vapor ☐ Low Pressure Sodium Vapor ☐ Mercury Vapor ☐ Metal Halide

☐ Incandescent ☐ Other _____

What rate schedule will the lights be placed on? ☐ LS1 ☐ LS2 ☐ OL1 ☐ LS3 ☐ Other (additional forms may be required)

Who is responsible for the street light billing?

Billing address for streetlights City State Zip

Important Note: *For city or county owned street lighting, a letter will be required from the city/county accepting ownership of the lighting, which includes the date of acceptance and states they will be responsible for the billing. Until the letter is received and dated with the city/county acceptance, the billing will be placed in the applicant's name and billed according to the rate schedule requested once the lights have been energized.*

APPLICATION FOR SERVICE
RESIDENTIAL SUBDIVISIONS / DEVELOPMENT

IMPORTANT NOTE: Do NOT install your electric main switch or gas house line until the meter location is approved by PG&E.

Self-Generation and Net Metering Options

If you are planning to install any self generation equipment, photovoltaic, or wind generation, additional applications for interconnection to PG&E's electric system must be submitted and approved by PG&E prior to engineering for your new construction project. The information you provide on your generation interconnection application may affect the final PG&E design for your project.

For information on PG&E's net metering programs, including eligibility guidelines, generation interconnection program application forms, links to the California Public Utilities Commission, Energy Commission and the US Department of Energy, visit *www.pge.com/b2b/newgenerator/* or contact PG&E's Generation Interconnection Services at (415) 972-5676.

Are you planning to install any self generation equipment? Yes ☐ No ☐

If yes, please provide us with an estimate of the Generation proposed for this project.
*Total # of generation units *Total output of all generation *kW Generation Type

Attachment – 2 copies required

A. Complete set of subdivision improvement plans, including grading plans. Plans should include location of water, sewer, and storm drains. (Include 3 ½ "high-density disk with AutoCAD 2000i.dwg file of the site plan.)
B. Tract map showing all easements, rights-of-way, property lines, etc.
C. Detailed site plan showing roads, sidewalks, driveways, location of fire hydrants and other structures, and proposed future improvements.
D. Landscaping plans including sprinkler controller meter location.
E. Streetlight and traffic signal plans.
F. Title 24 Utility Report or building permit.
G. Copies of all environmental permits and/or conditions of approval.

Applicant is responsible for identifying all environmental requirements within said permits, approvals and/or conditions. For additional information visit *http://www.pge.com/myhome/customerservice/other/newconstruction/*

Agreement to Pay and Signature

I understand that service will be engineered and installed based upon the information provided here. I agree to pay PG&E, on demand, for all work PG&E performs and all costs PG&E incurs for this application for service. PG&E may cancel this Application for Service (a) if the application is incomplete and I do not provide all necessary supporting documents and project data after being notified by PG&E, (b) if I fail to provide an engineering advance within ninety days after one is requested by PG&E, or (c) if PG&E sends a proposed contract and I do not return the contract, with the required payment, within ninety days. If the project is postponed or cancelled, by either party, I will pay PG&E for all such work and costs incurred by PG&E prior to the postponement or cancellation. PG&E's costs may include, for example, labor, material and supplies, (including long lead time materials), transportation, and other direct costs which PG&E allocates to such work. Incomplete information or any changes made at my request during the engineering, or after it is completed, will subject me to additional charges and may delay the establishment of service. I further agree to pay for any damage to new or existing PG&E facilities caused by my contractors or me. Service shall be subject to all of PG&E's applicable tariff schedules on file with and authorized by the California Public Utilities Commission (CPUC) and shall at all times be subject to such changes or modifications as the CPUC may direct from time to time in the exercise of its jurisdiction.

I understand that PG&E may require an engineering advance to cover some or all of its costs for project review, design work and cost development in connection with this application for service. I understand that any advance will be based upon current costs and the amount of work anticipated by PG&E based upon the information submitted in this application. I understand that any advance will be credited against the amount I owe, applied to the amount I may owe on the resulting line extension agreement, or refunded to me without interest when PG&E has completed its engineering work or if the project has been cancelled or postponed.

I have read the above information. I understand and agree with the provisions and my responsibilities.

Applicant's Signature _____ **Print Name** _____ **Date** _____
First Name, Middle Initial, Last Name

Gas Sample Form No. 62-0685 Sheet 1
Application for Service -- Commercial/Industrial Development

Please Refer to Attached Sample Form

APPLICATION FOR SERVICE
COMMERICAL / INDUSTRIAL DEVELOPMENT

Please complete this application and submit the completed form and attachments to PG&E Application for Service at P.O. Box 24047, Fresno, CA, 93706-2010. You may also submit applications at http://www.pge.com/cco or call 1-877-PGE-SRVC.
**Indicates optional fields.*

Project Type

☐ Commercial Service (new) ☐ Commercial/Industrial Development ☐ Commercial/Industrial Service Upgrade (additional load / equipment)

☐ Industrial Service (new) ☐ Mixed Use Commercial/Residential Number of Buildings Number of Electric Services

Project Information

☐ Gas Service ☐ Electric Overhead Service ☐ Electric Underground Service Date Initial Service Needed

Project Address or Lot Number City County Zip

Nearest Cross Street

*Assessor's Parcel No. * Building Permit No.

Applicant / Company Name

☐ Individual ☐ Partnership ☐ Corporation ☐ Limited Liability Corporation ☐ Governmental Agency

☐ Sole Proprietor ☐ Other

Day Phone ( ) *Cell Phone ( ) *Fax ( ) *Email address

(Correspondence will be sent via e-mail)

Applicant Address City State Zip

Contract Information

Legal name to appear on contract

☐ Individual ☐ Partnership ☐ Corporation ☐ Limited Liability Corporation ☐ Governmental Agency

☐ Sole Proprietor ☐ Other

*State of incorporation or LLC

Name of person authorized to sign contracts * Title

(First Name, Middle Initial, Last Name)

Mailing address for contract City State Zip

Representative Information **(Party who will relay project information and updates to the PG&E representative)**

Name of Representative

Day Phone ( ) *Cell Phone ( ) *Fax ( ) *Email address

Mailing address City State Zip

*Contractor's Name *Contractor's Phone ( )

Pacific Gas and Electric Company

APPLICATION FOR SERVICE
COMMERICAL / INDUSTRIAL DEVELOPMENT

Credit Information (Party responsible for energy use after the meter is installed)

Name/Company Name to appear on bill Day Phone ( ) *Evening Phone ( )

(First Name, Middle Initial, Last Name)

☐ Individual ☐ Partnership ☐ Corporation ☐ Limited Liability Corporation ☐ Governmental Agency

☐ Sole Proprietor ☐ Other

Mailing address for bill City State Zip

Does the customer currently have service with PG&E? ☐ No ☐ Yes

*If yes, please provide the PG&E Account Number

*Do you want the new service included on your existing bill? ☐ No ☐ Yes

*NAICS (North America Industrial Classification System) Code *Business Activity

*Desired Electric Rate Schedule *Desired Gas Rate Schedule

If you want additional information on rate options or want to request a free rate analysis, visit

http://www.pge.com/mybusiness/myaccount/rates/ or call 1-877-PGE-SRVC. If a rate schedule is not selected, PG&E will select an applicable rate schedule.

Applicant Design and Installation Options

As an applicant for new gas or electric service, you can choose either PG&E or a qualified contractor to design new gas/electric distribution and/or service facilities. You can also choose either PG&E or a qualified contractor to construct all or a portion of new gas/electric distribution and/or service facilities. PG&E will provide you with a bid for the design and the construction work, to assist you in making a selection. You will then have the opportunity to choose either a qualified contractor to perform the design/or construction work.

In accordance with PG&E's filed tariffs, electric trenching, conduits, substructures and gas service trenching are the applicant's responsibility. Once you make a decision about who will perform the work, if you subsequently change your selection, you will be responsible for any re-engineering charges incurred as a result of that change.

You should become familiar with the applicant design installation requirements, including PG&E's Applicant Design Guide and General Terms and Conditions, before you make your selection. For copies of these documents and/or for additional information, visit http://www.pge.com/cco or request information by calling 1-877-PGE-SRVC.

PG&E must provide project specific information to design contractors. PG&E can provide this information sooner if we know whether or not you are considering using a design contractor to design gas/electric distribution or service facilities.

Providing this information on this Application is voluntary and is not binding. PG&E will provide you with a bid for the design work regardless of whether or not you answer this question now and will not require a final decision from you until later in the process.

Are you currently planning to use a design contractor? Yes No

Pacific Gas and Electric Company

APPLICATION FOR SERVICE
COMMERICAL / INDUSTRIAL DEVELOPMENT

Construction Information

**Please note if you have selected "Electric Overhead Service" without "Gas Service" all trench related questions become optional fields.

Joint trench drawing to be prepared by: ☐ Applicant ☐ PG&E ☐ Not required

Who will trench and backfill for the distribution facilities? ☐ Applicant / Elec ☐ PG&E / Elec ☐ Date Joint Trench Required

Proposed distribution trench occupants or joint pole occupants: (check all that apply) ☐ Electric ☐ Gas ☐ Phone ☐ CATV ☐ Other

Who will install distribution conduit and substructures? ☐ Applicant ☐ PG&E

Who will trench and backfill for the service facilities? ☐ Applicant / Gas ☐ PG&E / Gas ☐ Date Joint Trench Required ☐ Applicant / Elec ☐ PG&E / Elec

Proposed service trench occupants or joint pole occupants: (check all that apply) ☐ Electric ☐ Gas ☐ Phone ☐ CATV ☐ Other

Who will install service conduit and substructures? ☐ Applicant ☐ PG&E

*Transformer type requested: ☐ Padmounted ☐ Subsurface (additional Special Facilities charges may apply)

Water, sanitary sewer, storm drain, low pressure gas, oil or other fluid carrying piping or facilities or private utilities (e.g. fire alarm, private streetlight systems, private phone, private CATV or gate controllers) are not permitted in a PG&E occupied joint trench.

General Construction Information

Include on this application any eligible Rule 20B or Rule 20C conversion work or any eligible relocation work.

*Will temporary electric service be required? ☐ No ☐ Yes Date needed

*Will temporary gas service be required? ☐ No ☐ Yes Date needed

If, yes please complete the following:

*Will Temporary Service power be operated for less than one year? ☐ No ☐ Yes

Have you ever completed a temporary power project with us before? ☐ No ☐ Yes

*Who will trench and backfill for Temporary Service?

☐ Applicant/Gas ☐ PG&E/Gas

☐ Applicant/Electric ☐ PG&E/Electric

Electric Temporary Services

*Panel, Main Breaker Size amps

*Will Applicant or Contractor Install Pole? ☐ No ☐ Yes

Gas Temporary Services

APPLICATION FOR SERVICE
COMMERICAL / INDUSTRIAL DEVELOPMENT

*Gas Service Delivery Pressure Requested: ☐ ¼ psig ☐ other

*Number of Meters at each service location?

*Total Gas Load

Will existing PG&E electric overhead facilities require under grounding?

☐ No ☐ Yes ☐ Not sure Date needed

Will any existing PG&E gas or electric facilities require relocation or removal?

☐ No ☐ Yes ☐ Not sure Date needed

Load Information

Square footage of building (including all floors) Number of stories of building

IN THE EVENT THAT APPLICANT SHALL MAKE ANY MATERIAL CHANGE EITHER IN THE AMOUNT OR CHARACTER OF THE APPLIANCES OR APPARATUS INSTALLED UPON THE PREMISES TO BE SUPPLIED BY PG&E, INCLUDING PANEL SIZE OR HOURS OF OPERATION. APPLICANT SHALL IMMEDIATELY GIVE PG&E WRITTEN NOTICE OF THIS FACT.

Operating Hours

Hours per day Days per week Months per year

Typical daily operating hours: From ☐ AM ☐ PM To ☐ AM ☐ PM

Please describe other operating characteristics

Electric Load Information

Main Switch Size (Service Termination Enclosure) amps Number of meters at each service location

Voltage: (select one)
☐ 120/240 Volt, 3-wire, 1Ø ☐ 120/208Volt, 3-wire, 1Ø ☐ 240/120 Volt, 4-wire, 3Ø ☐ 208/120 Volt, 4-wire, 3Ø
☐ 480/277 Volt, 4-wire, 3Ø ☐ Primary voltage (> 2,400 Volts) ☐ Other (specify)

Single Largest 1Ø Motor (hp) Total 1Ø Motors (hp) Single Largest 3Ø Motor (hp) Total 3Ø Motors (hp)

Single Largest 1Ø Air Conditioning (tons) Single Largest 3Ø Air Conditioning (tons)

Total Lighting (kW) Parking Lot Lighting (kW) Streetlights (kW)

Receptacles (kW) Water Heating (kW) Cooking (kW)

Additional electric load (if additional space is needed please attach a spread sheet using same format as below)

Number of Appliances	Phase	Description of Appliance	Connected Load	Units
	☐ 1Ø ☐ 3Ø	at	☐ kW	☐ hp ☐ tons
	☐ 1Ø ☐ 3Ø	at	☐ kW	☐ hp ☐ tons
	☐ 1Ø ☐ 3Ø	at	☐ kW	☐ hp ☐ tons
	☐ 1Ø ☐ 3Ø	at	☐ kW	☐ hp ☐ tons

*Please provide motor codes for motors that have reduced voltage starting or are 25 hp and greater.

*** Street Light Load Information**

Number of street lights to be added in development Watts per lamp Number of existing street lights to be removed

Bulb type: ☐ High Pressure Sodium Vapor ☐ Low Pressure Sodium Vapor ☐ Mercury Vapor
☐ Metal Halide ☐ Incandescent ☐ Other

What rate schedule will the lights be placed on? ☐ LS1 ☐ LS2 ☐ OL1 ☐ LS3 ☐ Other (additional forms may be required)

Who is responsible for the street light billing?

Billing address for streetlights: City: State: Zip:

Important Note: *For city or county owned street lighting, a letter will be required from the city/county accepting ownership of the lighting, which includes the date of acceptance and states they will be responsible for the billing. Until the letter is received and dated with the city/county acceptance, the billing will be placed in the applicant's name and billed according to the rate schedule requested once the lights have been energized.*

Natural Gas Load Information

Natural gas standard service delivery pressure is provided at ¼ psig (7" water column). Requests for elevated service delivery pressure require PG&E's review and approval. If granted, elevated service delivery pressure may be reduced at any time due to PG&E operational needs. Special Facilities costs and cost-of-ownership charges may apply for elevated service delivery pressure. For further information, contact your local PG&E office and refer to Gas Rule 2. MBtu/h = 1,000 Btu/h

Gas Service Delivery Pressure Requested: ☐ ¼ psig ☐ Other (psig)

Number of meters at each service location

Check all that apply: (If additional space is required please attach a spreadsheet using same format as below)

☐ Space Heating Equipment (MBtu/h) ☐ Boilers (MBtu/h) ☐ Water Heating (MBtu/h)

☐ Air Conditioning (MBtu/h) ☐ Cooking (MBtu/h) ☐ Dryers (MBtu/h)

Other gas load (specify)

IMPORTANT NOTE: Do NOT install your electric main switch or gas house line until the meter location is approved by PG&E.

Self-Generation and Net Metering Options

If you are planning to install any self generation equipment, photovoltaic, or wind generation, additional applications for interconnection to PG&E's electric system must be submitted and approved by PG&E prior to engineering for your new construction project. The information you provide on your generation interconnection application may affect the final PG&E design for your project.

For information on PG&E's net metering programs, including eligibility guidelines, generation interconnection program application forms, links to the California Public Utilities Commission, Energy Commission and the US Department of Energy, visit *www.pge.com/b2b/newgenerator/* or contact PG&E's Generation Interconnection Services at (415) 972-5676.

Are you planning on installing any self generation equipment? Yes ☐ No ☐

If yes, please provide us with an estimate of the Generation proposed for this project.

*Total # of generation units *Total output of all generation(kW) *Generation Type

Pacific Gas and Electric Company

APPLICATION FOR SERVICE
COMMERICAL / INDUSTRIAL DEVELOPMENT

Attachment – 2 copies required

A. Complete set of site improvement plans, including grading plans. (Include 3 ½" high-density disk with AutoCAD 2000i.dwg file of the site plan.)

B. Building floor plan and exterior elevations.

C. Electric drawings and schedules with complete breakdown of equipment; include single line drawing if available.

D. Electric switchboard drawings. (Must be approved by PG&E prior to manufacturing the main panel.)

E. Plumbing plans.

F. Assessors parcel map showing all easements, rights-of-way, property lines, etc.

G. Detailed site plan showing roads, sidewalk, driveways, location of fire hydrants and other structures, proposed location of gas and electric meters, building elevations, and proposed future improvements. (Meter locations are subject to PG&E approval).

H. Landscaping plans including sprinkler controller meter location.

I. Streetlight and traffic signal plans.

J. Title 24 Utility Report or building permit.

K. Copies of all environmental permits and/or conditions of approval.

Applicant is responsible for identifying all environmental requirements within said permits, approvals and/or conditions. For additional information visit *www.pge.com/mybusiness/customerservice/otherrequests/newconstruction.*

Agreement to Pay and Signature

I understand that service will be engineered and installed based upon the information provided here. I agree to pay PG&E, on demand, for all work PG&E performs and all costs PG&E incurs for this application for service. PG&E may cancel this Application for Service (a) if the application is incomplete and I do not provide all necessary supporting documents and project data after being notified by PG&E, (b) if I fail to provide an engineering advance within ninety days after one is requested by PG&E, or (c) if PG&E sends a proposed contract and I do not return the contract, with the required payment, within ninety days. If the project is postponed or cancelled, by either party, I will pay PG&E for all such work and costs incurred by PG&E prior to the postponement or cancellation. PG&E's costs may include, for example, labor, material and supplies, (including long lead time materials), transportation, and other direct costs which PG&E allocates to such work. Incomplete information or any changes made at my request during the engineering, or after it is completed, will subject me to additional charges and may delay the establishment of service. I further agree to pay for any damage to new or existing PG&E facilities caused by my contractors or me. Service shall be subject to all of PG&E's applicable tariff schedules on file with and authorized by the California Public Utilities Commission (CPUC) and shall at all times be subject to such changes or modifications as the CPUC may direct from time to time in the exercise of its jurisdiction.

I understand that PG&E may require an engineering advance to cover some or all of its costs for project review, design work and cost development in connection with this application for service. I understand that any advance will be based upon current costs and the amount of work anticipated by PG&E based upon the information submitted in this application. I understand that any advance will be credited against the amount I owe, applied to the amount I may owe on the resulting line extension agreement, or refunded to me without interest when PG&E has completed its engineering work or if the project has been cancelled or postponed.

I have read the above information. I understand and agree with the provisions and my responsibilities.

Applicant's Signature _____ Print Name _____Date _____
First Name, Middle Initial, Last Name

Gas Sample Form No. 62-0686 Sheet 1
Application for Service -- Agricultural Service

Please Refer to Attached Sample Form

APPLICATION FOR SERVICE
AGRICULTURAL SERVICE

Please complete this application and submit the completed form to PG&E Application for Service at P.O. Box 24047,Fresno, CA 93706-2010. You may also submit applications at http://www.pge.com/cco or call 1-877-PGE-SRVC.

** Indicates optional fields.*

Project Type

Applicants will be served under an agricultural rate schedule if 70% or more of the annual energy use on the meter is for agricultural end-uses. Agricultural end-uses consist of: (a) growing crops, (b) raising livestock, (c) pumping water for irrigation of crops, or (d) other uses which involve production for sale. (Note: PG&E's Electric Rule 1 contains the complete qualification criteria for agricultural rates).

What percentage of the annual energy use will be for agricultural end-uses?

☐ New Agricultural Service ☐ Additional Load or Equipment to Existing Agricultural Service

Number of Buildings Number of Services

Project Information

☐ Gas Service ☐ Electric Overhead Service ☐ Electric Underground Service Date Initial Service Needed

Project Address or Lot Number City County Zip

Nearest Cross Street

*Assessor's Parcel No. *Building Permit No.

Applicant / Company Name

☐ Individual ☐ Partnership ☐ Corporation ☐ Limited Liability Corporation ☐ Governmental Agency

☐ Sole Proprietor ☐ Other

Day Phone *Cell Phone ( ) *Fax ( ) *Email address

(Correspondence will be sent via e-mail)

Applicant Mailing Address City State Zip

Contract Information

Legal Name to appear on contract

☐ Individual ☐ Partnership ☐ Corporation ☐ Limited Liability Corporation ☐ Governmental Agency

☐ Sole Proprietor ☐ Other

*State of incorporation or LLC

Name of person authorized to sign contracts *Title

(First Name, Middle Initial, Last Name)

Mailing address for contract City State Zip

Pacific Gas and Electric Company

APPLICATION FOR SERVICE
AGRICULTURAL SERVICE

Representative Information (Party who will relay project information and updates to the PG&E representative)

Name of Representative

Day Phone ( ) *Cell Phone ( ) *Fax ( ) *Email address

Mailing address City State Zip

*Contractor's Name *Contractor's Phone

Credit Information (Party responsible for energy use after the meter is installed)

Name/Company Name to appear on bill Day Phone ( ) *Evening Phone ( )

(First Name, Middle Initial, Last Name)

☐ Individual ☐ Partnership ☐ Corporation ☐ Limited Liability Corporation ☐ Governmental Agency

☐ Sole Proprietor ☐ Other

Mailing address for bill City State Zip

*Does the customer currently have service with PG&E? ☐ No ☐ Yes

*If yes, please provide the PG&E Account Number

*Do you want the new service included on your existing bill? ☐ No ☐ Yes

*NAICS (North America Industrial Classification System) Code *Business Activity

*Desired Electric Rate Schedule *Desired Gas Rate Schedule

The applicant is **required** to select an Agricultural Rate schedule before receiving service. If you want additional information on rate options or want to request a free rate analysis, visit *http://www.pge.com/about/rates/rateinfo/rateoptions/agricultural/* or call 1-877-PGE-SRVC.

Application and Design and Installation Options

As an applicant for new gas or electric service, you can choose either PG&E or a qualified contractor to design new gas/electric distribution and/or service facilities. You can also choose either PG&E or a qualified contractor to construct all or a portion of new gas/electric distribution and/or service facilities. PG&E will provide you with a bid for the design and the construction work, to assist you in making a selection. You will then have the opportunity to choose either a qualified contractor to perform the design/or construction work.

In accordance with PG&E's filed tariffs, electric trenching, conduits, substructures and gas service trenching are the applicant's responsibility. Once you make a decision about who will perform the work, if you subsequently change your selection, you will be responsible for any re-engineering charges incurred as a result of that change.

You should become familiar with the applicant design installation requirements, including PG&E's Applicant Design Guide and General Terms and Conditions, before you make your selection. For copies of these documents and/or for additional information, visit

http://www.pge.com/cco or request information by calling 1-877-PGE-SRVC.

PG&E must provide project specific information to design contractors. PG&E can provide this information sooner if we know whether or not you are considering using a design contractor to design gas/electric distribution or service facilities.

Providing this information on this Application is voluntary and is not binding. PG&E will provide you with a bid for the design work regardless of whether or not you answer this question now and will not require a final decision from you until later in the process.

Are you currently planning to use a design contractor? Yes No

Pacific Gas and Electric Company

APPLICATION FOR SERVICE
AGRICULTURAL SERVICE

Construction Information

**Please note if you have selected "Electric Overhead Service" without "Gas Service" all trench related questions become optional fields.

Joint trench drawing to be prepared by: ☐ Applicant ☐ PG&E ☐ Not required

Who will trench and backfill for the distribution facilities? ☐ Applicant / Elec ☐ PG&E / Elec ☐ Date Joint Trench Required

Proposed distribution trench occupants or joint pole occupants: (check all that apply) ☐ Electric ☐ Gas ☐ Phone ☐ CATV ☐ Other

Who will install distribution conduit and substructures? ☐ Applicant ☐ PG&E

Who will trench and backfill for the service facilities? ☐ Applicant / Gas ☐ PG&E / Gas ☐ Date Joint Trench Required ☐ Applicant / Elec ☐ PG&E / Elec

Proposed service trench occupants or joint pole occupants: (check all that apply) ☐ Electric ☐ Gas ☐ Phone ☐ CATV ☐ Other

Who will install service conduit and substructures? ☐ Applicant ☐ PG&E

*Transformer type requested: ☐ Padmounted ☐ Subsurface (additional Special Facilities charges may apply)

Water, sanitary sewer, storm drain, low pressure gas, oil or other fluid carrying piping or facilities or private utilities (e.g. fire alarm, private streetlight systems, private phone, private CATV or gate controllers) are not permitted in a PG&E occupied joint trench.

General Construction Information

Include on this application any eligible Rule 20B or Rule 20C conversion work or any eligible relocation work.

*Will temporary electric service be required? ☐ No ☐ Yes Date needed

*Will temporary gas service be required? ☐ No ☐ Yes Date needed

If, yes please complete the following:

*Will Temporary Service power be operated for less than one year? ☐ No ☐ Yes

Have you ever completed a temporary power project with us before? ☐ No ☐ Yes

*Who will trench and backfill for Temporary Service?

☐ Applicant/Gas ☐ PG&E/Gas

☐ Applicant/Electric ☐ PG&E/Electric

Electric Temporary Services

Panel, Main Breaker Size amps

Have you ever completed a temporary power project with us before? ☐ No ☐ Yes

*Will Applicant or Contractor Install Pole? ☐ No ☐ Yes

Gas Temporary Services

*Gas Service Delivery Pressure Requested: ☐ ¼ psig ☐ Other psig)

*Number of Meters at each service location?

*Total Gas Load

Will existing PG&E electric overhead facilities require undergrounding?

☐ No ☐ Yes ☐ Not sure Date needed

Will any existing PG&E gas or electric facilities require relocation or removal?

☐ No ☐ Yes ☐ Not sure Date needed

Pacific Gas and Electric Company

APPLICATION FOR SERVICE
AGRICULTURAL SERVICE

Load Information

IN THE EVENT THAT APPLICANT SHALL MAKE ANY MATERIAL CHANGE EITHER IN THE AMOUNT OR CHARACTER OF THE APPLIANCES OR APPARATUS INSTALLED UPON THE PREMISES TO BE SUPPLIED BY PG&E, INCLUDING PANEL SIZE OR HOURS OF OPERATION. APPLICANT SHALL IMMEDIATELY GIVE PG&E WRITTEN NOTICE OF THIS FACT.

Operating Hours: Hours per day Days per week Months per year

Typical operating hours: From To

(Military 0-2300)

What months will this facility operate? ☐ January ☐ February ☐ March ☐ April ☐ May ☐ June ☐ July ☐ August ☐ September ☐ October ☐ November ☐ December

Please describe other operating characteristics

What type of crop or livestock are you producing? (if livestock, please state if they are raised for slaughter or sale, kept for breeding purposes, or boarded for others

Electric Load Information

Main Switch Size (Service Termination Enclosure) amps Number of meters at each service location

Voltage: (select one)

☐ 120/240 Volt, 3-wire, 1Ø ☐ 120/208Volt, 3-wire, 1Ø ☐ 240/120 Volt, 4-wire, 3Ø ☐ 208/120 Volt, 4-wire, 3Ø

☐ 480/277 Volt, 4-wire, 3Ø ☐ Primary voltage (> 2,400 Volts) ☐ Other (specify)

Single Largest 1Ø Motor (hp) Total 1Ø Motors (hp) Single Largest 3Ø Motor (hp) Total 3Ø Motors (hp)

Electric Connected Load

1Ø Motor: motors at hp each

3Ø Motor: motors at hp each

Additional electric load (if additional space is needed please attach a spread sheet using same format as below)

Number of Appliances	Phase	Description of Appliance	Connected Load	Units
	☐ 1Ø ☐ 3Ø	at	☐ kW	☐ hp ☐ tons
	☐ 1Ø ☐ 3Ø	at	☐ kW	☐ hp ☐ tons
	☐ 1Ø ☐ 3Ø	at	☐ kW	☐ hp ☐ tons
	☐ 1Ø ☐ 3Ø	at	☐ kW	☐ hp ☐ tons

*Please provide motor codes for motors that have reduced voltage starting or are 25 hp and greater.

Will submersible pump(s) be installed? ☐ No ☐ Yes

Pacific Gas and Electric Company

APPLICATION FOR SERVICE
AGRICULTURAL SERVICE

Natural Gas Load Information

*If this is an existing service, what is the.*PG&E meter no.

Natural gas standard service delivery pressure is provided at ¼ psig (7" water column). Requests for elevated service delivery pressure require PG&E's review and approval. If granted, elevated service delivery pressure may be reduced at any time due to PG&E operational needs. Special Facilities costs and cost-of-ownership charges may apply for elevated service delivery pressure. For further information, contact your local PG&E office and refer to Gas

Rule 2. (MBtu/h = 1,000 Btu/h)

Gas Service Delivery Pressure Requested: ☐ 1/4 psig ☐ Other (psig)

Number of meters at each service location

Check all that apply: (If additional space is required please attach a spreadsheet using same format as below)

☐ Space Heating Equipment (MBtu/h) ☐ Boilers (MBtu/h) ☐ Water Heating (MBtu/h)

☐ Air Conditioning (MBtu/h) ☐ Cooking (MBtu/h) ☐ Dryers (MBtu/h)

☐ Other gas load (specify)

IMPORTANT NOTE: Do NOT install your electric main switch or gas house line until the meter location is approved by PG&E.

Self-Generation and Net Metering Options

If you are planning to install any self generation equipment, photovoltaic, or wind generation, additional applications for interconnection to PG&E's electric system must be submitted and approved by PG&E prior to engineering for your new construction project. The information you provide on your generation interconnection application may affect the final PG&E design for your project.

For information on PG&E's net metering programs, including eligibility guidelines, generation interconnection program application forms, links to the California Public Utilities Commission, Energy Commission and the US Department of Energy, *visit www.pge.com/b2b/newgenerator/* or contact PG&E's Generation Interconnection Services at (415) 972-5676.

Are you planning to install any self generation equipment? Yes No

If yes, please provide us with an estimate of the Generation proposed for this project.

*Total # of generation units *Total output of all generation *kW *Generation Type

Attachment – 2 copies required

A. Detailed site plan showing roads, driveways, easements, right-of-ways, property lines, building and structure.

B. Copies of all environmental permits and/or conditions of approval.

Applicant is responsible to identify all environmental requirements within said permits, approvals and/or conditions. For additional information visit *http://www.pge.com/mybusiness/customerservice/otherrequests/newconstruction.*

Pacific Gas and Electric Company

APPLICATION FOR SERVICE
AGRICULTURAL SERVICE

Agreement to Pay and Signature

I understand that service will be engineered and installed based upon the information provided here. I agree to pay PG&E, on demand, for all work PG&E performs and all costs PG&E incurs for this application for service. PG&E may cancel this Application for Service (a) if the application is incomplete and I do not provide all necessary supporting documents and project data after being notified by PG&E, (b) if I fail to provide an engineering advance within ninety days after one is requested by PG&E, or (c) if PG&E sends a proposed contract and I do not return the contract, with the required payment, within ninety days. If the project is postponed or cancelled, by either party, I will pay PG&E for all such work and costs incurred by PG&E prior to the postponement or cancellation. PG&E's costs may include, for example, labor, material and supplies, (including long lead time materials), transportation, and other direct costs which PG&E allocates to such work. Incomplete information or any changes made at my request during the engineering, or after it is completed, will subject me to additional charges and may delay the establishment of service. I further agree to pay for any damage to new or existing PG&E facilities caused by my contractors or me. Service shall be subject to all of PG&E's applicable tariff schedules on file with and authorized by the California Public Utilities Commission (CPUC) and shall at all times be subject to such changes or modifications as the CPUC may direct from time to time in the exercise of its jurisdiction.

I understand that PG&E may require an engineering advance to cover some or all of its costs for project review, design work and cost development in connection with this application for service. I understand that any advance will be based upon current costs and the amount of work anticipated by PG&E based upon the information submitted in this application. I understand that any advance will be credited against the amount I owe, applied to the amount I may owe on the resulting line extension agreement, or refunded to me without interest when PG&E has completed its engineering work or if the project has been cancelled or postponed.

I have read the above information. I understand and agree with the provisions and my responsibilities.

Applicant's Signature _____ Print Name _____Date _____

First Name, Middle Initial, Last Name

Gas Sample Form No. 62-0687 Sheet 1
Application for Service -- Existing Service Relocate/Change Service

Please Refer to Attached Sample Form

APPLICATION FOR SERVICE
EXISTING SERVICE RELOCATE / CHANGE SERVICE

Please complete this application and submit the completed form and attachments to PG&E Application for Service at P.O. Box 24047 Fresno CA, 93706-2010. You may also submit applications at http://www.pge.com/cco or call 1-877-PGE-SRVC.
**Indicates optional fields.*
This application is intended for stand-alone relocation requests. If your project also requires new service, please complete a new service application in place of this one. New service applications can be found at http://www.pge.com/cco.

Project Type

Type of Work (please choose one)

☐ Residential Single Family ☐ Residential Subdivision ☐ Commercial/Industrial/Agricultural

☐ Mixed Use (Commercial/Residential Combination) ☐ Agency (City, County, Cal-Trans)

Reason for Relocation / Rearrangement Request (please check all that apply) *

☐ Panel/Meter Relocation (Gas & Electric) ☐ Panel Upgrade (No Load Added) ☐ Panel Upgrade (Added Load)

☐ Temporarily De-energize Panel ☐ Temporarily De-energize Service ☐ Temporarily Disconnect Service

☐ Cut off/Demolition ☐ Meter or Meter Size Change ☐ Service Relocation (Pipes & Electric Wires)

☐ Relocate PG&E Facilities (Poles, Boxes, Wires, Pipes, Guys) ☐ Overhead to Underground Conversion

☐ Other _____

Description of Work Requested: _____

Project Information

☐ Gas ☐ Electric Overhead ☐ Electric Underground ☐ Date Relocation Needed

Project Address or Lot Number City County Zip

Nearest Cross Street

Applicant / Company Name

☐ Individual ☐ Partnership ☐ Corporation ☐ Limited Liability Corporation ☐ Governmental Agency

☐ Sole Proprietor ☐ Other

Day Phone ( ) *Cell Phone( ) *Fax ( ) *Email address

(Correspondence will be sent via e-mail)

Applicant Address City State Zip

*Building Permit Number *PG&E Account Number Date PG&E facility rearrangement / relocation needed

PG&E may relocate or rearrange service in accordance with Gas and/or Electric Rules 2, 13, 15, 1, 20, 21 and LS schedules as applicable. There may be circumstances where application of PG&E's distribution/service extension rules would place an undue financial burden on PG&E. In these cases, PG&E may apply the exceptional case provisions of its Rules 15 and 16.

Pacific Gas and Electric Company

APPLICATION FOR SERVICE
EXISTING SERVICE RELOCATE / CHANGE SERVICE

Contract Information

Legal name to appear on contract

☐ Individual ☐ Partnership ☐ Corporation ☐ Limited Liability Corporation ☐ Governmental Agency

☐ Sole Proprietor ☐ Other

*State of incorporation or LLC

Name of person authorized to sign contracts

(First Name, Middle Initial, Last Name)

Mailing address for contract City State Zip

*Contractor's Name *Contractor's Phone ( )

Representative Information **(Party who will relay project information and updates to the PG&E representative)**

Name of Representative

Day Phone ( ) *Cell Phone ( ) *Fax ( ) *Email address

Mailing address City State Zip

*Contractor's Name *Contractor's Phone ( )

Construction Information

You are permitted to select either PG&E or your own contractor to construct all or a portion of any new gas/electric distribution and / or service facilities. However, only PG&E may work on energized or pressurized facilities. More details regarding the installation option requirements are available through your local PG&E office. You should become familiar with the requirements before you make your selection (Please see the following pages under installation options for specific information. For projects that require both relocation work and new service, please complete the appropriate new service application. Those new service (and associated relocation work) applications can be found at http://www.pge.com/cco.

*If trenching is required, who will trench, backfill, and provide and install conduit?

☐ Applicant ☐ PG&E

*Proposed trench occupants: (please check all that apply)

☐ Electric ☐ Gas ☐ Phone ☐ CATV ☐ Other

Water, sanitary sewer, storm drain, LPG, oil or other fluid carrying piping or facilities are not permitted in a joint trench.

IMPORTANT NOTE: Do NOT install your electric main switch or gas house line until the location is approved by PG&E.

Pacific Gas and Electric Company

APPLICATION FOR SERVICE
EXISTING SERVICE RELOCATE / CHANGE SERVICE

Load Information

Electric Load Information

Main Switch Size (Service Termination Can) (amps) Number of meters at each service location

Voltage: (select one)

☐120/240 Volt, 3-wire, 1Ø ☐120/208Volt, 3-wire, 1Ø ☐ 240/120 Volt, 4-wire, 3Ø ☐ 208/120 Volt, 4-wire, 3Ø

☐ 480/277 Volt, 4-wire, 3Ø ☐ Primary voltage (> 2,400 Volts) ☐ Other (specify)

*If required, who will install the electric service wire?

☐ Applicant ☐ PG&E

Natural Gas Load Information

Natural gas standard service delivery pressure is provided at ¼ psig (7" water column). Requests for elevated service delivery pressure require PG&E review and approval. If granted, elevated service delivery pressure may be reduced at any time due to PG&E operational needs. Special facilities & cost of-ownership charges may apply for elevated service delivery pressure. For further information, contact your local PG&E office and refer to Gas Rule 2.

Number of meters at each service location

*If required, who will install the gas pipe? ☐ Applicant ☐ PG&E

General Construction

*Will temporary electric service be required? ☐ No ☐ Yes Date needed

*Will temporary gas service be required? ☐ No ☐ Yes Date needed

If, yes please complete the following:

*Will Temporary Service power be operated for less than one year? ☐ No ☐ Yes

Have you ever completed a temporary power project with us before? ☐ No ☐ Yes

*Who will trench and backfill for Temporary Service?

☐ Applicant/Gas ☐ PG&E/Gas

☐ Applicant/Electric ☐ PG&E/Electric

Electric Temporary Services

*Panel, Main Breaker Size amps

*Will Applicant or Contractor Install Pole? ☐ No ☐ Yes

Gas Temporary Services

*Gas Service Delivery Pressure Requested: ¼ psig other

*Number of Meters at each service location?

*Total Gas Load

*I request PG&E to provide a construction bid for:

☐ Gas Facilities ☐ Electric Facilities

PG&E gas or electric facilities require removal? ☐ No ☐ Yes ☐ Not sure Date Needed

Pacific Gas and Electric Company

APPLICATION FOR SERVICE
EXISTING SERVICE RELOCATE / CHANGE SERVICE

Self-Generation and Net Metering Options

If you are planning to install any self generation equipment, photovoltaic, or wind generation, additional applications for interconnection to PG&E's electric system must be submitted and approved by PG&E prior to engineering for your new construction project. The information you provide on your generation interconnection application may affect the final PG&E design for your project.

For information on PG&E's net metering programs, including eligibility guidelines, generation interconnection program application forms, links to the California Public Utilities Commission, Energy Commission and the US Department of Energy, visit *www.pge.com/b2b/newgenerator* or contact PG&E's Generation Interconnection Services at (415) 972-5676.

Are you planning on installing any self generation equipment? Yes No

If yes, please provide us with an estimate of the Generation proposed for this project.

*Total # of generation units *Total output of all generation(kW) *Generation Type

Attachment – 2 copies required

A. Complete set of site improvement plans, including grading plans. (Include 3 ½" high-density disk with AutoCAD 2000i.dwg file of the site plan.)

B. Building floor plan and exterior elevations.

C. Electric drawings and schedules with complete breakdown of equipment; include single line drawing if available.

D. Electric switchboard drawings. (Must be approved by PG&E prior to manufacturing the main panel.)

E. Plumbing plans.

F. Assessors parcel map showing all easements, rights-of-way, property lines, etc.

G. Detailed site plan showing roads, sidewalk, driveways, location of fire hydrants and other structures, proposed location of gas and electric meters, building elevations, and proposed future improvements. (Meter locations are subject to PG&E approval).

H. Landscaping plans including sprinkler controller meter location.

I. Streetlight and traffic signal plans.

J. Title 24 Utility Report or building permit.

K. Copies of all environmental permits and/or conditions of approval.

Applicant is responsible to identify all environmental requirements within said permits, approvals and/or conditions. For additional information visit *www.pge.com/mybusiness/customerservice/otherrequests/newconstruction/*

Pacific Gas and Electric Company

APPLICATION FOR SERVICE
EXISTING SERVICE RELOCATE / CHANGE SERVICE

Agreement to Pay and Signature

I understand that service will be engineered and installed based upon the information provided here. I agree to pay PG&E, on demand, for all work PG&E performs and all costs PG&E incurs for this application for service. PG&E may cancel this Application for Service (a) if the application is incomplete and I do not provide all necessary supporting documents and project data after being notified by PG&E, (b) if I fail to provide an engineering advance within ninety days after one is requested by PG&E, or (c) if PG&E sends a proposed contract and I do not return the contract, with the required payment, within ninety days. If the project is postponed or cancelled, by either party, I will pay PG&E for all such work and costs incurred by PG&E prior to the postponement or cancellation. PG&E's costs may include, for example, labor, material and supplies, (including long lead time materials), transportation, and other direct costs which PG&E allocates to such work. Incomplete information or any changes made at my request during the engineering, or after it is completed, will subject me to additional charges and may delay the establishment of service. I further agree to pay for any damage to new or existing PG&E facilities caused by my contractors or me. Service shall be subject to all of PG&E's applicable tariff schedules on file with and authorized by the California Public Utilities Commission (CPUC) and shall at all times be subject to such changes or modifications as the CPUC may direct from time to time in the exercise of its jurisdiction.

I understand that PG&E may require an engineering advance to cover some or all of its costs for project review, design work and cost development in connection with this application for service. I understand that any advance will be based upon current costs and the amount of work anticipated by PG&E based upon the information submitted in this application. I understand that any advance will be credited against the amount I owe, applied to the amount I may owe on the resulting line extension agreement, or refunded to me without interest when PG&E has completed its engineering work or if the project has been cancelled or postponed.

I have read the above information. I understand and agree with the provisions and my responsibilities.

Applicant's Signature _____ Print Name _____Date _____
First Name, Middle Initial, Last Name

Gas Sample Form No. 62-0980 Sheet 1
Distribution Service and Extension Agreement Declarations

Please Refer to Attached Sample Form

Pacific Gas and Electric Company

DISTRIBUTION:
☐ Applicant (copy)
☐ Division (copy)
☐ CFM(Original)

REFERENCES:
Notification # _____
E-PM # _____
G-PM # _____
Bill Doc # _____
MLX # _____
Prior MLX # _____
Customer # _____

DISTRIBUTION SERVICE AND EXTENSION AGREEMENT DECLARATIONS[1]

Submitted to Applicant by:

PG&E REP NAME

Date of issuance:_____

1. _____**(Applicant),** has requested **PACIFIC GAS AND ELECTRIC COMPANY**, a California corporation (PG&E), to deliver **Gas / Electric** energy to the property situated at **Enter Address Here** and shown on the attached drawings.

2. **Applicable Documents.** The cost summary for the facilities to be installed is attached hereto as Exhibit A. These facilities shall be installed in accordance with the applicable rules on file with the California Public Utilities Commission (which may include Gas and Electric Rules 2, 13, 15, 16, and 20), as well as the requirements set forth in the Provisions (Form 62-0982) and the General Terms and Conditions for Gas and Electric Service by Applicant (Form 79-716) These documents are located online in PG&E's Tariff Book, which is available at http://www.pge.com/cco . Should you require hard copies please contact your PG&E Representative.

3. **Construction Options.** The responsibility for providing line extension work is divided between PG&E and the Applicant. However, Applicant may chose to have a qualified contractor perform some of the work that is PG&E's responsibility, and may choose to have PG&E perform some or all of the work that is the Applicant's responsibility. PG&E will reimburse or collect money based on its estimate of the costs, subject to the applicable rules. Based on Applicant's request, the contract costs are based on the following construction options:

PG&E Responsibility [1]		To Be Performed By	
		PG&E	Applicant
Gas	Main Trench	☐	☐
	Main Pipe Installation	☐	☐
	Service Pipe Installation	☐	☐
Electric	Distribution Wire and Equipment Installation	☐	☐
	Service Wire Installation	☐	☐

Applicant Responsibility [2]		To Be Performed By	
		PG&E	Applicant
Gas	Service Trench	☐	☐
Electric	Distribution Trench	☐	☐
	Service Trench	☐	☐
	Distribution Substructure Installation	☐	☐
	Service Substructure Installation	☐	☐

1. PG&E's responsibilities per Rule 15.b.1.b and Rule 16.D.2
2. Applicant's responsibilities per Rule 15.b.1.a and Rule 16.D.1

4. ☐ **N/A**

Refund/Discount Option Selection

Applicant, in accordance with PG&E's extension rules, must select **one** of the following options for each commodity you are requesting service (gas and/or electric). Once the selection has been made, it cannot be changed.

Gas	Electric
☐ **10-Year Subject to Refund Option**	☐ 10-Year Subject to Refund Option
- or -	- or -
☐ **Non-Refundable 50% Discount Option**	☐ Non-Refundable 50% Discount Option

ACCEPTED:

APPLICANT:

BY: _____
(Authorized Signature)

_____
(Type or Print Name)

DATE: _____

MAILING ADDRESS: _____

_____

PACIFIC GAS AND ELECTRIC CO.:

BY: _____
(Authorized Signature)

_____
(Type or Print Name)

TITLE: _____

DIVISION: _____

DATE: _____

4. ☐ **N/A**

Refund/Discount Option Selection

Applicant, in accordance with PG&E's extension rules, must select **one** of the following options for each commodity you are requesting service (gas and/or electric). Once the selection has been made, it cannot be changed.

Gas	Electric
☐ **10-Year Subject to Refund Option**	☐ 10-Year Subject to Refund Option
- or -	- or -
☐ **Non-Refundable 50% Discount Option**	☐ Non-Refundable 50% Discount Option

ACCEPTED:

GROUP OF APPLICANTS:

BY: _____ (Authorized Signature)

_____ (Type or Print Name)

DATE: _____

MAILING ADDRESS:

_____

_____

Amount of Payment/%

$_____/_____

BY: _____ (Authorized Signature)

_____ (Type or Print Name)

DATE: _____

MAILING ADDRESS:

_____

_____

Amount of Payment/%

$_____/_____

BY: _____ (Authorized Signature)

_____ (Type or Print Name)

DATE: _____

MAILING ADDRESS:

_____

_____

Amount of Payment/%

$_____/_____

DISTRIBUTION SERVICE AND EXTENSION AGREEMENT DECLARATIONS

MAILING ADDRESS:

BY: _____ _____ **Amount of Payment/%**

(Authorized Signature)

$_____/_____

_____ _____

(Type or Print Name)

DATE: _____

MAILING ADDRESS:

BY: _____ _____ **Amount of Payment/%**

(Authorized Signature)

$_____/_____

_____ _____

(Type or Print Name)

DATE: _____

PACIFIC GAS AND ELECTRIC CO.:

BY: _____

(Authorized Signature)

_____

(Type or Print Name)

TITLE: _____

DIVISION: _____

DATE: _____

Gas Sample Form No. 79-1186 Sheet 1
Customer Information Service
Request For Share My Data (CISR-SMD)

Please Refer to Attached Sample Form

CUSTOMER INFORMATION SERVICE REQUEST FOR SHARE MY DATA (CISR-SMD)

IMPORTANT INFORMATION FOR CUSTOMERS – BE SURE TO READ FIRST
THIS IS A LEGALLY BINDING CONTRACT – READ IT CAREFULLY

This form allows you to create a new Authorization to grant a Third Party access to your PG&E data via PG&E's Share My Data (SMD) platform or to modify or revoke an existing Authorization you currently have on the Share My Data platform. This form should be completed by the main Customer Account Holder (name on the PG&E bill) or the Customer's Authorized Agent.

Pacific Gas and Electric Company's (PG&E's) Gas and Electric Rules 27 and its corresponding privacy policies, which can be found at www.pge.com/about/company/privacy/customer, do not allow for the disclosure of customers' personal information, such as your name, address, phone number, or electric account and billing information, to third parties for purposes other than providing utility services to you or as otherwise required by law, unless you expressly authorize us to do so. This form allows you to exercise your right to disclose personal energy-related information about you to a Third Party under PG&E's Electric Rule 25 which can be found athttps://www.pge.com/tariffs/assets/pdf/tariffbook/ELEC_RULES_25.pdf. This form may be used to authorize the release of electric-related information for Bundled, Community Choice Aggregation (CCA), Direct Access (DA) customers, and gas-related information for Core End-Use and Noncore End-Use customers. When you authorize access by a Third Party to personal energy-related information about you, you agree that you are solely responsible for ensuring that the Third Party safeguards this information from further disclosure without your consent.

If you want to provide data to a Demand Response Provider (DRP), please use "Customer Information Service Request For Demand Response Provider" (CISR-DRP), Form 79-1152.

This agreement at all times shall be subject to such modifications as the California Public Utilities Commission may direct from time to time in the exercise of its jurisdiction, including, without limitation, revisions to the types of customer information to be released.

STEP 1: AUTHORIZATION DETAILS

- ***Please select the action you wish to take:***

  [ ] **CREATE** A NEW AUTHORIZATION – Please Complete SECTION 1
  [ ] **MODIFY** AN EXISTING AUTHORIZATION – Please Complete SECTION 2
  [ ] **REVOKE** AN EXISTING AUTHORIZATION – Please Complete SECTION 3

[SECTION 1: CREATE A NEW AUTHORIZATION]

- ***Please provide either an email address or your My Account User Name:***

  [ ] Email Address: _____
  (The email address you provide here will be used for all transactional emails relating to this Authorization.)

  OR

  [ ] My Account User Name: _____
  (If you provide your My Account User Name you will have the ability to modify or revoke this Authorization via My Account, your PG&E online account. All transactional emails relating to this Authorization will be sent to the email address associated to your My Account account.)

- ***Third Party:***

  Please provide the name of the Third Party you authorize to access your data via the Share My Data platform. You may authorize only those third parties who have registered with PG&E to use the Share My Data platform. This form will not be processed if you list a Third Party who has not registered to use the Share My Data platform.

  Name of Third Party: _____

  (PLEASE NOTE: PG&E has not conducted vendor security reviews on the Share My Data registered Third Parties. Please be sure to read Terms and Conditions offered by the Third Party prior to authorizing the Third Party to access your data.)

- ***Data Elements:***

  Please select the data elements you wish to authorize (you may select more than one data element):

  [ ] **Basic Information** (Includes name and service address)
  [ ] **Billing Information** (Includes up to 48 months historical, current, and ongoing billing records, billing and meter read dates, rate schedule, and voltage class.)
  [ ] **Account Information** (Includes account number(s), service agreement number(s), and service start date.)
  [ ] **Usage Information** (Includes up to 48 months of historical, current, and ongoing electric and/or gas usage data used for bill calculations, interval usage, and interval time-of-use indicators.)
  [ ] **Program Enrollment Information** (Includes current and ongoing PG&E Demand Response program name and status.)

- ***Authorization Period:***

  The Third Party will automatically have access to up to 48 months of historical data from the date the Authorization is created.

  Please select the period of time you wish to authorize the Third Party, listed above, to have ongoing access to the data elements selected above:

  [ ] Ongoing Access Until _____ or until I revoke this Authorization.
  [Date]

  OR

  [ ] Indefinitely until I revoke this Authorization.

  In all cases, the Authorization for a Service Agreement will be automatically revoked when the Service Agreement is closed by the Customer.

- ***Service Agreement IDs to be Authorized:***

  Please list the Account Number(s) and Service Agreement ID(s) you, as the Customer Account Holder, are authorizing the specified Third Party to access via the Share My Data platform:

Account Number	Service Agreement ID

(For more than three Service Agreement IDs please attach a separate file)

[SECTION 2: MODIFY AN EXISTING AUTHORIZATION]

- ***Subscription ID:***

  Please provide the Subscription ID associated to the Authorization you wish to modify. Your Subscription ID can be found in the confirmation email sent to you when the Authorization was initially created. If you cannot find your Subscription ID, please contact PG&E Customer Service at (800) 743-5000 for assistance.

  Subscription ID: _____

- ***Authorization Period:***

  [ ] Ongoing Access Until _____ or until I revoke this Authorization.
  [Date]

  OR

  [ ] Indefinitely until I revoke this Authorization.

  In all cases, the Authorization for a Service Agreement will be automatically revoked when the Service Agreement is closed by the Customer.

- ***Service Agreement IDs to be added and/or removed from Authorization by the Customer Account Holder***

  If you would like to add or remove Service Agreement IDs from this Authorization, please specify them below.

Account Number	Service Agreement ID	Add	Remove
		☐	☐
		☐	☐
		☐	☐

(For more than three Service Agreement IDs please attach a separate file)

[SECTION 3: REVOKE AN EXISTING AUTHORIZATION]

- ***Subscription ID:***

  Please provide the Subscription ID associated to the Authorization you wish to revoke. Your Subscription ID can be found in the confirmation email sent to you when the Authorization was initially created. If you cannot find your Subscription ID, please contact PG&E Customer Service at (800) 743-5000 for assistance.

  Subscription ID: _____

Pacific Gas and Electric Company®

CUSTOMER INFORMATION SERVICE REQUEST FOR SHARE MY DATA (CISR-SMD)

STEP 2: AGREE TO SHARE MY DATA TERMS AND CONDITIONS

Important information: Please read carefully. This is a legally binding agreement.

- ***Customer Authorization to Release Information:***

  I, (First and Last Name of Customer or Agent), _____, authorize the designated Third Party to access the Customer of Record's personal energy data in accordance with these terms and conditions for the designated Service Agreement(s) as indicated in Section 1 or Section 2 above**.** I further understand that the Customer of Record's information may be transmitted to the Third Party even after this Authorization has ended, limited to updates to the data for the time period during which this Authorization was valid. I understand PG&E reserves the right to verify any authorization request submitted before releasing information on my behalf.

  I declare that I am authorized to execute this Authorization manually or electronically on behalf of the Customer of Record, and that I have authority to bind the Customer of Record. I hereby release, hold harmless, and indemnify PG&E from any liability, claims, demands, and causes of action, damages, or expenses resulting from: (1) any release of information to the Third Party pursuant to this Authorization; (2) the unauthorized use of this information by the Third Party or any other third party; and (3) any actions taken by the Third Party pursuant to this Authorization. I understand that I may revoke this Authorization at any time by submitting a newly completed copy of this form with the Revocation check box selected. I hereby indicate my consent to execute and submit this Authorization electronically.

  _____ _____
  Signature of Customer or Agent Date

- ***Customer Authorization for Revocation***

  I, (First and Last Name of Customer or Agent), _____, revoke the Authorization of the designated Third Party to access personal data about me from the designated Service Agreement(s).

  I declare that I am authorized to execute this Revocation manually or electronically on behalf of the Customer of Record, and that I have authority to bind the Customer of Record. I hereby release, hold harmless, and indemnify PG&E from any liability, claims, demands, causes of action, damages, or expenses resulting from: (1) any negligent conduct relating to this Revocation; (2) any refusal to release information to the Third Party pursuant to this Revocation; and (3) any conduct by the Third Party in connection with this Revocation. I hereby indicate my consent to execute and submit this Revocation electronically.

  _____ _____
  Signature of Customer or Agent Date

STEP 3: SUBMIT FORM VIA EMAIL OR MAIL

Forms can be emailed to:
sharemydata@pge.com

Forms can be mailed to:
Pacific Gas and Electric Company
Share My Data
245 Market Street, N3E
San Francisco, CA 94105

Gas Sample Form No. 79-755 Sheet 1

Agreement for Transportation of Natural Gas for Compression as a Motor-Vehicle Fuel

Please Refer to Attached Sample Form

Pacific Gas and Electric Company

DISTRIBUTION
- ☐ Customer
- ☐ NGV Support Team
- ☐

REFERENCES
SA#:_____
Account#:_____
NGV Rep:_____

AGREEMENT FOR TRANSPORTATION OF NATURAL GAS FOR COMPRESSION AS A MOTOR-VEHICLE FUEL

GENERAL

1. This Agreement, between Pacific Gas and Electric Company (PG&E), a California corporation, and _____(Customer), a(n) _____ is for natural gas service for compression for use as a motor-vehicle fuel at Customer's premises located at: _____
(street, city, state, and zip code)
2. Customer agrees to purchase and PG&E agrees to provide natural gas service pursuant to the terms of this Agreement and to experimental-rate Schedule G-NGV1, or its successor.
3. This Agreement includes, where applicable, Exhibit A (Rate Schedule G-NGV1 Customer Communications). The Exhibit is incorporated into and made a part of this Agreement. The Exhibit may be amended from time to time in accordance with this Agreement. Attached to this Agreement, for illustrative purposes, are all applicable PG&E gas rules and rate schedules in effect at the time of this Agreement execution.
4. Both Customer and PG&E agree to abide by the terms of the above rate Schedule and its successor, as well as all effective rules in PG&E's gas tariff schedules.

FACILITIES

5. PG&E shall not be obligated to furnish facilities in addition to standard metering and pressure regulating equipment to provide service under rate Schedule G-NGV1. Where additional facilities are required, they will be treated as special facilities in accordance with PG&E's gas Rule 2, Description of Service.
6. Delivery of natural gas shall be at the point where pipes owned, leased or under license by Customer contact PG&E's pipes.

BILLING

7. PG&E will bill customer at the applicable rate(s) set forth above for the total natural gas service during the billing period.
8. PG&E will send the Customer's bill to the address specified in Exhibit A. After service has been initiated, the billing addresses may be modified by calling PG&E's NGV Support Team at 1-800-684-4648.

TERM AND TERMINATION

9. The initial term of this Agreement shall be 12 months commencing on the day PG&E's gas meter is installed. This Agreement shall continue on a month-to-month basis until terminated by either party upon thirty (30) days prior written notice.

COMMUNICATIONS

10. Any communications or modifications concerning Exhibit A, shall be in writing or in electronic form via an E-mail or an Internet message with the exception that billing address changes must be made by calling PG&E NGV Support Team at 1-800-684-4648. Formal communications are to be as specified in Exhibit A, and deemed effective when received.

RIGHTS TO DATA

11. PG&E has the right to collect, use, or distribute all vehicle performance data relating to the Customer's compressed natural gas (CNG) vehicle operations.

ASSIGNMENT

12. This Agreement may not be assigned by either party without the written consent of the other. If this Agreement is assigned, it shall be binding on the party to which it is assigned. Assignment of this Agreement shall not release the assigning party from any of its obligations under this Agreement unless such a release is agreed to in writing by the other party and the assuming party.

EXCLUSIVE NATURE AND INTERPRETATIONS

13. This Agreement does not change the obligations, restrictions or rights contained in other agreements between the parties unless expressly indicated in this Agreement. Customer and PG&E agree that all understandings between them regarding this Agreement are set forth or referenced in this Agreement. No agreements, representations, memoranda, or other forms of communication, written or oral, exchanged before the signing of this Agreement, shall be grounds for altering or interpreting the terms of this Agreement.

14. This Agreement shall be interpreted under the laws of the State of California, excluding any choice of law rules which may direct the application of the laws of another jurisdiction. This Agreement

and the obligations of the two parties are subject to all valid laws, orders, rules, and regulations of the authorities having jurisdiction over this Agreement (or the successors of those authorities).

REGULATORY

15. This Agreement shall at all times be subject to any changes or modifications the California Public Utilities Commission may direct from time to time in the exercise of its jurisdiction. Such changes or modifications may be to this Agreement or to PG&E's applicable tariff schedules. PG&E shall notify the Customer of any such changes or modifications which may affect Customer's obligations under this Agreement.

	PACIFIC GAS AND ELECTRIC COMPANY
(Customer)	
(Signature)	(Signature)
(Type/Print Name)	(Type/Print Name)
(Title)	(Title)
(Federal Tax ID)	(Date)
(Date)	

Incorporated Attachment: Exhibit A – Rate Schedule G-NGV1 Customer Communications
Illustrative Attachments: Rate Schedule G-NGV1; Gas Rules 2, 14

AGREEMENT FOR TRANSPORTATION OF NATURAL GAS FOR COMPRESSION AS A MOTOR-VEHICLE FUEL

Pacific Gas and Electric Company

EXHIBIT A
RATE SCHEDULE G-NGV1 CUSTOMER COMMUNICATIONS

CUSTOMER NAME: _____

SERVICE ADDRESS: _____

DIRECTIONS: Any of the names or addresses listed below may be changed upon receipt of written notification from Customer with the exception that billing address changes may be made by PG&E at 1-800-743-5000. Customer can only designate on "customer formal communications" address.

CUSTOMER FORMAL COMMUNTICATIONS:

CUSTOMER NAME: _____
MAILING ADDRESS: _____
CITY/STATE/COUNTY: _____ ZIP CODE: _____
CONTACT: _____
PHONE NO.: (___) ___ - _____
ALTERNATE NO.: (___) ___ - _____
EMAIL ADDRESS: _____

CUSTOMER BILLING ADDRESS:

CUSTOMER NAME: _____
MAILING ADDRESS: _____
CITY/STATE/COUNTY: _____ ZIP CODE: _____
CONTACT: _____
PHONE NO.: (___) ___ - _____
ALTERNATE NO.: (___) ___ - _____
EMAIL ADDRESS: _____

PG&E FORMAL COMMUNICATIONS:

PG&E CONTACT: NGV Support Team
AREA: Company wide
MAILING ADDRESS: 4180 Duluth Ave
CITY/STATE/COUNTY: Rocklin
ZIP CODE: 95765
ATTENTION: NGV Support Team
PHONE NO.: (800) 684-4648 # 4
EMAIL ADDRESS: NGVinfo@pge.com

GAS SCHEDULE G-AA Sheet 2
AS AVAILABLE TRANSPORTATION ON-SYSTEM

RATES: The Customer shall pay a Usage Charge for each decatherm equal to the applicable usage rate for the contracted path, multiplied by the quantity of gas delivered on the Customer's behalf.

1. Usage Charge:

Path:	Usage Rate (Per Dth)
Redwood to On-System	$0.7933
Baja to On-System	$0.9553
Silverado to On-System	$0.6028
Mission to On-System	$0.0000

2. Additional Charges:

The Customer shall be responsible for payment of any applicable costs, taxes, and/or fees incurred by PG&E in taking delivery of third-party gas from Backbone or interstate sources.

NEGOTIABLE RATES: Rates under this schedule are not negotiable.

CREDIT-WORTHINESS: Customer must meet the creditworthiness requirements specified in Rule 25.

SERVICE AGREEMENT AND TERM: A Gas Transmission Service Agreement (GTSA) (Form No. 79-866) is required for service on this schedule. The minimum term for service under the GTSA is one (1) year.

SHRINKAGE: Transportation volumes will be subject to a shrinkage allowance in accordance with Rule 21.

NOMINATIONS: Nominations are required for gas transported under this rate schedule. See Rule 21 for details.

CURTAILMENT OF SERVICE: Service under this schedule may be curtailed. See Rule 14 for details.

BALANCING: Service hereunder shall be subject to all applicable terms, conditions and obligations of Schedule G-BAL. PG&E Interconnections with California Production shall be subject to all applicable terms, conditions and obligations of the California Production Balancing Agreement. (T) | (T)

GAS SCHEDULE G-AAOFF Sheet 2
AS-AVAILABLE TRANSPORTATION OFF-SYSTEM

RATES: The Customer shall pay a Usage Charge for each decatherm equal to the applicable usage rate for the contracted path, multiplied by the quantity of gas delivered on the Customer's behalf.

1. Usage Charge:

Path:	Usage Rate (Per Dth)
Redwood to Off-System	$0.7933
Baja to Off-System	$0.9553
Silverado to Off-System	$0.7933
Mission to Off-System	$0.7933
Mission to Off-System Storage Withdrawals	$0.0000

2. Additional Charges:

The Customer shall be responsible for payment of any applicable costs, taxes, and/or fees incurred by PG&E in taking delivery of third-party gas from Backbone or interstate sources.

NEGOTIABLE RATES: Rates under this schedule are not negotiable.

STORAGE WITHDRAWAL OPTIONS (MISSION TO OFF-SYSTEM): Storage withdrawals to PG&E's Backbone Transmission System may be nominated for off-system delivery under the Mission Off-System As-Available service for no additional charge.

CREDIT-WORTHINESS: Customer must meet the creditworthiness requirements specified in Rule 25.

SERVICE AGREEMENT: A Gas Transmission Service Agreement (GTSA) (Form No. 79-866) is required for service under this schedule. The minimum term for service under the GTSA is one (1) year.

SHRINKAGE: Transportation volumes will be subject to a shrinkage allowance in accordance with Rule 21.

NOMINATIONS: Nominations are required for gas transported under this rate schedule. See Rule 21 for details.

CURTAILMENT OF SERVICE: Service under this schedule may be curtailed. See Rule 14 for details.

BALANCING: Service hereunder shall be subject to all applicable terms, conditions and obligations of Schedule G-BAL. PG&E Interconnections with California Production shall be subject to all applicable terms, conditions and obligations of the California Production Balancing Agreement. (T) | (T)

GAS SCHEDULE G-AFT Sheet 3
ANNUAL FIRM TRANSPORTATION ON-SYSTEM

RATES: (Cont'd.)

3. Additional Charges:

The Customer shall be responsible for payment of any applicable costs, taxes, and/or fees incurred by PG&E in taking delivery of third-party gas from Backbone or interstate sources.

STORAGE WITHDRAWAL OPTION: To transport storage withdrawals On-System, Customers may convert all or part of a Firm On-System Redwood or Firm On-System Baja Exhibit to a Firm On-System Mission Exhibit at any time prior to 60 minutes before the close of the Timely Nomination Cycle, as set forth in gas Rule 21. However, the full monthly demand charge is still applicable. Conversions of Firm On-System Baja Exhibits are limited to the amount of unsold Firm Redwood capacity available at the time of the requested conversion. Baja Exhibit conversions may be requested on a monthly basis, no more than five (5) days prior to the end of the month, for a maximum term of one month. Redwood Exhibit conversions have no maximum term limit.

NEGOTIABLE RATES: Rates under this schedule are not negotiable.

CREDIT-WORTHINESS: Customer must meet the creditworthiness requirements specified in Rule 25.

SERVICE AGREEMENT AND TERM: A Gas Transmission Service Agreement (GTSA) (Form No. 79-866) is required for service on this schedule. The minimum term for service under the GTSA is one (1) year.

SHRINKAGE: Transportation volumes will be subject to a shrinkage allowance in accordance with Rule 21.

NOMINATIONS: Nominations are required for gas transported under this rate schedule. See Rule 21 for details.

CURTAILMENT OF SERVICE: Service under this schedule may be curtailed. See Rule 14 for details.

BALANCING: Service hereunder shall be subject to all applicable terms, conditions and obligations of Schedule G-BAL. PG&E Interconnections with California Production shall be subject to all applicable terms, conditions and obligations of the California Production Balancing Agreement. (T) | (T)

CAPACITY LIMITATION: Long-term standard firm contracts for terms of five (5) years or greater are subject to a capacity limitation of 400 MDth/day on the Redwood Path and 200 MDth/day on the Baja Path.

GAS SCHEDULE G-AFTOFF Sheet 3
ANNUAL FIRM TRANSPORTATION OFF-SYSTEM

NEGOTIABLE RATES:	Rates under this schedule are not negotiable.
CREDIT-WORTHINESS:	Customer must meet the creditworthiness requirements specified in Rule 25.
SERVICE AGREEMENT AND TERM:	A Gas Transmission Service Agreement (GTSA) (Form No. 79-866) is required for service on this schedule. The minimum term for service under the GTSA is one (1) year.
SHRINKAGE:	Transportation volumes will be subject to a shrinkage allowance in accordance with Rule 21.
NOMINATIONS:	Nominations are required for gas transported under this rate schedule. See Rule 21 for details.
CURTAILMENT OF SERVICE:	Service under this schedule may be curtailed. See Rule 14 for details.
BALANCING:	Service hereunder shall be subject to all applicable terms, conditions and obligations of Schedule G-BAL. PG&E Interconnections with California Production shall be subject to all applicable terms, conditions and obligations of the California Production Balancing Agreement. (T)	(T)
CAPACITY LIMITATION:	Long-term standard firm contracts for terms of five (5) years or greater are subject to a capacity limitation of 400 MDth/day on the Redwood Path and 200 MDth/day on the Baja Path.

GAS SCHEDULE G-AMDS Sheet 1

EXPERIMENTAL ACCESS TO METER DATA SERVICES

APPLICABILITY: A customer connected to PG&E's SmartMeter™ system will have the following services available as provided under this schedule. This is an experimental Schedule and shall remain in effect until December 31, 2009 or until cancelled by the CPUC.

TERRITORY: This schedule is available to customers in PG&E's gas service territory.

RATES: If the customer selects any of the services, charges will apply as stated in this schedule.

BASIC SERVICES .....No Charge

The following basic services are available through "Your Account" at pge.com. (T)

Daily gas usage (therms)	For all accounts Posted daily	A minimum of 2 months of data
Daily gas usage by billing cycle or month	For all accounts	Same as above
Daily gas usage by week	For all accounts	Same as above
Historical gas usage by billing cycle or month	For all accounts	Same as above
View and print data in graph form	For all accounts	Same as above
Download data to tabular format	For all accounts	Same as above

SPECIAL CONDITIONS:

1. Daily gas usage retrieved from the SmartMeter™ system will be available to the customer. The customer can view, print, and download yesterday's usage to 24 months of past gas usage retrieved from the SmartMeter™ system.

2. Data shown in "Your Account" is not yet synchronized with the billing usage used in the customer's monthly bill. The monthly bill will contain the most updated and accurate usage information at the time the bill is created. . (T) | (T)

GAS SCHEDULE G-NAA Sheet 3
NEGOTIATED AS-AVAILABLE TRANSPORTATION ON-SYSTEM

CREDIT-WORTHINESS:	Customer must meet the creditworthiness requirements specified in Rule 25.
SERVICE AGREEMENT:	A Gas Transmission Service Agreement (GTSA) (Form No. 79-866) is required for service on this schedule. The minimum term for service under the GTSA is one (1) year.
SHRINKAGE:	Transportation volumes will be subject to a shrinkage allowance in accordance with Rule 21.
NOMINATIONS:	Nominations are required for gas transported under this rate schedule. See Rule 21 for details.
CURTAILMENT OF SERVICE:	Service under this schedule may be curtailed. See Rule 14 for details.
BALANCING:	Service hereunder shall be subject to all applicable terms, conditions and obligations of Schedule G-BAL. PG&E Interconnections with California Production shall be subject to all applicable terms, conditions and obligations of the California Production Balancing Agreement. (T)	(T)

GAS SCHEDULE G-NAAOFF Sheet 3
NEGOTIATED AS-AVAILABLE TRANSPORTATION OFF-SYSTEM

CREDIT-WORTHINESS:	Customer must meet the creditworthiness requirements specified in Rule 25.	
SERVICE AGREEMENT:	A Gas Transmission Service Agreement (GTSA) (Form No. 79-866) is required for service on this schedule. The minimum term of service under the GTSA is one (1) year.	
SHRINKAGE:	Transportation volumes will be subject to a shrinkage allowance in accordance with Rule 21.	
NOMINATIONS:	Nominations are required for gas transported under this rate schedule. See Rule 21 for details.	
CURTAILMENT OF SERVICE:	Service under this schedule may be curtailed. See Rule 14 for details.	
BALANCING:	Service hereunder shall be subject to the Balancing Service under Schedule G-BAL. PG&E Interconnections with California Production shall be subject to all applicable terms, conditions and obligations of the California Production Balancing Agreement.	(T) (T)

GAS SCHEDULE G-NFT Sheet 3
NEGOTIATED FIRM TRANSPORTATION ON-SYSTEM

NEGOTIATED RATE GUIDELINES (Cont'd.)

4. The CPUC's complaint procedure will be available to address any claims of undue discrimination in providing service hereunder.

5. Negotiated transmission contracts under G-NFT will not require submission to the CPUC for approval. Unless otherwise provided in the applicable GTSA, or exhibit thereto, the application of this requirement under General Order 96-B is waived by the CPUC.

CREDIT-WORTHINESS: Customer must meet the creditworthiness requirements specified in Rule 25.

SERVICE AGREEMENT AND TERM: A Gas Transmission Service Agreement (GTSA) (Form No. 79-866) is required for service under this schedule. The minimum term for service under the GTSA is one (1) year.

SHRINKAGE: Transportation volumes will be subject to a shrinkage allowance in accordance with Rule 21.

NOMINATIONS: Nominations are required for gas transported under this rate schedule. See Rule 21 for details.

CURTAILMENT OF SERVICE: Service under this schedule may be curtailed. See Rule 14 for details.

BALANCING: Service hereunder shall be subject to all applicable terms, conditions and obligation under Schedule G-BAL. PG&E Interconnections with California Production shall be subject to all applicable terms, conditions and obligations of the California Production Balancing Agreement. (T) | (T)

GAS SCHEDULE G-NFTOFF Sheet 3
NEGOTIATED FIRM TRANSPORTATION OFF-SYSTEM

NEGOTIATED RATE GUIDELINES:

1. Standard tariff rates and terms are available to all Customers, in lieu of negotiated rates and terms.
2. PG&E may distinguish between parties in offering negotiated rates by evaluating differences in circumstances and conditions, including, but not limited to, differences occurring upstream of, downstream of, or at, the Customer's location, and differences affecting either cost of service to the Customer or the Customer's market alternatives. Negotiations with Customers under this rate schedule will be conducted without undue preference or undue discrimination to the Customer or to any third party.
3. PG&E will issue monthly reports to the CPUC listing all negotiated contracts, including those negotiated under G-NFTOFF. PG&E will make the report available upon request. Customer names, including PG&E's affiliates and other departments, will not be provided in the report. However, the report will indicate whether a particular transaction was with an affiliate. The report will show the negotiated rates and dates of service.
4. The CPUC's complaint procedure will be available to address any claims of undue discrimination in providing service hereunder.
5. Negotiated transmission contracts under G-NFTOFF will not require submission to the CPUC for approval. Unless otherwise provided in the applicable GTSA, or exhibit thereto, the application of this requirement under General Order No. 96-B is waived by the CPUC.

CREDIT-WORTHINESS: Customer must meet the creditworthiness requirements specified in Rule 25.

SERVICE AGREEMENT: A Gas Transmission Service Agreement (GTSA) (Form No. 79-866) is required for service under this schedule. The minimum term for service under the GTSA is one (1) year.

SHRINKAGE: Transportation volumes will be subject to a shrinkage allowance in accordance with Rule 21.

NOMINATIONS: Nominations are required for gas transported under this rate schedule. See Rule 21 for details.

CURTAILMENT OF SERVICE: Service under this schedule may be curtailed. See Rule 14 for details.

BALANCING: Service hereunder shall be subject to all applicable terms, conditions and obligations of Schedule G-BAL. PG&E Interconnections with California Production shall be subject to all applicable terms, conditions and obligations of the California Production Balancing Agreement. (T) | (T)

GAS SCHEDULE G-SFT Sheet 3
SEASONAL FIRM TRANSPORTATION ON-SYSTEM ONLY

TERM: The minimum term for service for an exhibit to the GTSA under this rate schedule is three (3) consecutive months in any one season. For exhibits that straddle seasons, the minimum term of service is six (6) months, covering at least three (3) consecutive months in each season. The maximum term is two (2) years.

For purposes of this rate schedule, there are two (2) seasons per year; Winter and Summer. The Winter season extends for five (5) months beginning November 1 and ending March 31. The Summer season extends for seven (7) months, beginning April 1 and ending October 31.

NEGOTIABLE RATES: Rates under this schedule are not negotiable.

CREDIT-WORTHINESS: Customer must meet the creditworthiness requirements specified in Rule 25.

SERVICE AGREEMENT AND TERM: A Gas Transmission Service Agreement (GTSA) (Form No. 79-866) is required for service under this schedule. The minimum term for service under the GTSA is one (1) year.

SHRINKAGE: Transportation volumes will be subject to a shrinkage allowance in accordance with Rule 21.

NOMINATIONS: Nominations are required for gas transported under this rate schedule. See Rule 21 for details.

CURTAILMENT OF SERVICE: Service under this schedule may be curtailed. See Rule 14 for details.

BALANCING: Service hereunder shall be subject to all applicable terms, conditions and obligations of Schedule G-BAL. PG&E Interconnections with California Production shall be subject to all applicable terms, conditions and obligations of the California Production Balancing Agreement. (T) | (T)

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G-AMDS	Experimental Access to Meter Data Services	**36177**-G	(T)
GL-1	Residential CARE Program Service	36042,35444-G	
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GM	Master-Metered Multifamily Service	34979,36044,35447-G	
GML	Master-Metered Multifamily CARE Program Service	34980,36045,35449-G	
GS	Multifamily Service	36046,35699,35451-G	
GSL	Multifamily CARE Program Service	36047,36048,35454-G	
GT	Mobilehome Park Service	36049,35703,35456-G	
GTL	Mobilehome Park CARE Program Service	36050,36051,35459,35460-G	
G-10	Service to Company Employees	11318-G	
G-EFLIC	Energy Financing Line Item Charge (EFLIC) Pilot	32214,32215,32216,32217,32218-G	
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G-NR1	Gas Service to Small Commercial Customers	35150,36039-G	
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G-CP	Gas Procurement Service to Core End-Use Customers	36036-G	
G-CPX	Crossover Gas Procurement Service To Core End-Use Customers	36114-G	
G-NT	Gas Transportation Service to Noncore End-Use Customers	35598,35726,34357,22038-G	
G-EG	Gas Transportation Service to Electric Generation	34346,35723,34348,34349,34350-G	
G-ESISP	Exchange Service Through ISP Facilities	24364,24365-G	
G-WSL	Gas Transportation Service to Wholesale/Resale Customers	35727,35728,22045-G	
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G-SFS	Standard Firm Storage Service	35600,22140,30677,22300-G	
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G-SFT	Seasonal Firm Transportation On-System Only	30678,35601,**36182**-G	|
G-AA	As-Available Transportation On-System	30651,**36173**-G	|
G-AAOFF	As-Available Transportation Off-System	30653,**36174**-G	|
G-NFT	Negotiated Firm Transportation On-System	30666,30667,**36180**-G	|
G-NFTOFF	Negotiated Firm Transportation Off-System	30669,30670,**36181**-G	|
G-NAA	Negotiated As-Available Transportation On-System	30660,30661,**36178**-G	|
G-NAAOFF	Negotiated As-Available Transportation Off-System	30662,30663-**36179**-G	(T)
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G-XF	Pipeline Expansion Firm Intrastate Transportation Service	35604,35309-G	
G-PARK	Market Center Parking Service	33953,18177-G	
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G-SUR	Customer-Procured Gas Franchise Fee Surcharge	36025-G	
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G-ESP	Consolidated Pacific Gas and Electric Company Billing Services to Core Transport Agents	21739-G	
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62-0684	Application for Service-Residential Subdivision/Development	**36166**-G	|
62-0685	Application for Service-Commercial/Industrial Development	**36167**-G	|
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62-0982	Distribution Service and Extension Agreement, Option 2-Competitive Bidding	29987-G	
79-716	General Terms and Conditions for Gas and Electric Extension and Service Construction by Applicant	29280-G	
79-1003	Statement of Applicant's Contract Anticipated Costs	30316-G	
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Electric Sample Form No. 62-0683 Sheet 1
Application for Service -- Residential Single Family Dwelling

Please Refer to Attached Sample Form

APPLICATION FOR SERVICE
RESIDENTIAL SINGLE FAMILY DWELLING[1]

Please complete this application and submit the completed form to PG&E Application for Service at P.O. Box 24047, Fresno, CA 93706-2010. You may also submit applications at http://www.pge.com/cco or call 1-877-PGE-SRVC.
**Indicates optional fields.*

Project Information

☐ Gas Service ☐ Electric Overhead Service ☐ Electric Underground Service Date Initial Service Needed_____

Project Address or Lot Number_____ City_____ County_____ Zip_____

Single Family Dwelling☐ Multiple Lots☐ *Assessor's Parcel_____ *Building Permit_____

Nearest Cross Street_____

Applicant / Company Name_____

☐ Individual ☐ Partnership ☐ Corporation ☐ Limited Liability Corporation ☐ Governmental Agency ☐ Sole Proprietor

☐ Other_____

Day Phone (_____)_____ *Cell Phone (_____)_____ *Fax (_____)_____ *Email address_____
(Correspondence will be sent via e-mail)

Applicant Address_____ City_____ State_____ Zip_____

Contract Information

Legal Name to appear on contract_____

☐ Individual ☐ Partnership ☐ Corporation ☐ Limited Liability Corporation ☐ Governmental Agency ☐ Sole Proprietor

☐ Other_____

*State of incorporation or LLC_____

Name of person authorized to sign contracts_____ *Title _____
(First Name, Middle Initial, Last Name)

Mailing address for contract _____ City_____ State_____ Zip_____

Representative Information (Party who will relay project information and updates to the PG&E representative)

Name of Representative

Day Phone (_____)_____ *Cell Phone (_____)_____ *Fax (_____)_____ *Email address_____

Mailing address _____City_____ State_____ Zip_____

*Contractor's Name_____ *Contractor's Phone (_____)_____

Credit Information (Party responsible for energy use after the meter is installed)

Name/Company Name to appear on bill_____ Day Phone (_____)_____ *Evening Phone (_____)_____
(First Name, Middle Initial, Last Name)

☐ Individual ☐ Partnership ☐ Corporation ☐ Limited Liability Corporation ☐ Governmental Agency ☐ Sole Proprietor

☐ Other_____

Mailing address _____City_____ State_____ Zip_____

*Does the customer currently have service with PG&E? ☐ No ☐ Yes

[1]Automated Document – Preliminary Statement Part A

APPLICATION FOR SERVICE
RESIDENTIAL SINGLE FAMILY DWELLING[1]

*If yes, please provide the PG&E Account Number _____

*Do you want the new service included on your existing bill? ☐ No ☐ Yes

*Desired Electric Rate Schedule _____ *Desired Gas Rate Schedule _____

If you want additional information on rate options or want to request a free rate analysis, visit http://www.pge.com/myhome/myaccount/rateinfo/ or calling 1-877-PGE-SRVC. If a rate schedule is not selected, PG&E will select an applicable rate schedule.

Application and Design and Installation Options

As an applicant for new gas or electric service, you can choose either PG&E or a qualified contractor to design new gas/electric distribution and/or service facilities. You can also choose either PG&E or a qualified contractor to construct all or a portion of new gas/electric distribution and/or service facilities. PG&E will provide you with a bid for the design and the construction work, to assist you in making a selection. You will then have the opportunity to choose either a qualified contractor to perform the design/or construction work.
In accordance with PG&E's filed tariffs, electric trenching, conduits, substructures and gas service trenching are the applicant's responsibility. Once you make a decision about who will perform the work, if you subsequently change your selection, you will be responsible for any re-engineering charges incurred as a result of that change.

You should become familiar with the applicant design installation requirements, including PG&E's Applicant Design Guide and General Terms and Conditions, before you make your selection. For copies of these documents and/or for additional information, visit *http://www.pge.com/cco* or request information by calling 1-877-PGE-SRVC.

PG&E must provide project specific information to design contractors. PG&E can provide this information sooner if we know whether or not you are considering using a design contractor to design gas/electric distribution or service facilities.

Providing this information on this Application is voluntary and is not binding. PG&E will provide you with a bid for the design work regardless of whether or not you answer this question now and will not require a final decision from you until later in the process.

Are you currently planning to use a design contractor? ☐ No ☐ Yes

Construction Information

**Please note if you have selected "Electric Overhead Service" without "Gas Service" all trench related questions become optional fields.

Joint trench drawing to be prepared by: ☐ Applicant ☐ PG&E ☐ Not required

Who will trench and backfill for the distribution facilities? ☐ Applicant / Elec ☐ PG&E / Elec ☐ Date Joint Trench Required _____

Proposed distribution trench occupants or joint pole occupants: (check all that apply) ☐ Electric ☐ Gas ☐ Phone ☐ CATV

☐ Other _____

Who will install distribution conduit and substructures? ☐ Applicant ☐ PG&E

Who will trench and backfill for the service facilities? ☐ Applicant / Gas ☐ PG&E / Gas ☐ Date Joint Trench Required _____

☐ Applicant / Elec ☐ PG&E / Elec

Proposed service trench occupants or joint pole occupants: (check all that apply) ☐ Electric ☐ Gas ☐ Phone ☐ CATV

☐ Other

Who will install service conduit and substructures? ☐ Applicant ☐ PG&E

*Transformer type requested: ☐ Padmounted ☐ Subsurface (additional Special Facilities charges may apply)

Water, sanitary sewer, storm drain, low pressure gas, oil or other fluid carrying piping or facilities or private utilities (e.g. fire alarm, private streetlight systems, private phone, private CATV or gate controllers) are not permitted in a PG&E occupied joint trench.

[1]Automated Document – Preliminary Statement Part A

APPLICATION FOR SERVICE
RESIDENTIAL SINGLE FAMILY DWELLING[1]

IMPORTANT NOTE: Do NOT install your electric main switch or gas house line until the location is approved by PG&E.

General Construction Information

Include on this application any eligible Rule 20B or Rule 20C conversion work or any eligible relocation work.

Total square footage _____

☐ I am adding load or square footage to an existing residence

☐ Panel Upgrade ☐ Relocation

Will any existing PG&E gas or electric facilities require relocation or removal? ☐ No ☐ Yes ☐ Not Sure Date needed

*Will temporary electric service be required? ☐ No ☐ Yes Date needed _____

*Will temporary gas service be required? ☐ No ☐ Yes Date needed _____

If, yes please complete the following:

*Will Temporary Service power be operated for less than one year? ☐ No ☐ Yes

*Have you ever completed a temporary power project with us before? ☐ No ☐ Yes

*Who will trench and backfill for Temporary Service?

☐ Applicant/Gas ☐ PG&E/Gas

☐ Applicant/Electric ☐ PG&E/Electric

ElectricTemporaryServices

*Panel, Main Breaker Size _____amps

*Will Applicant or Contractor Install Pole? ☐ No ☐ Yes

GasTemporaryServices

*Gas Service Delivery Pressure Requested: ☐ ¼ psig ☐other _____

*Number of Meters at each service location? _____

*Total Gas Load _____

IN THE EVENT THAT APPLICANT SHALL MAKE ANY MATERIAL CHANGE EITHER IN THE AMOUNT OR CHARACTER OF THE APPLIANCES OR APPARATUS INSTALLED UPON THE PREMISES TO BE SUPPLIED BY PG&E, INCLUDING PANEL SIZE, APPLICANT SHALL IMMEDIATELY GIVE PG&E WRITTEN NOTICE OF THIS FACT.

Electric Load Information

Main Switch Size (Meter Panel & Service Termination Enclosure) _____ amps

Voltage: (select one) ☐120/240 Volt, 3-Wire, 1Ø (standard residential service) ☐ 120/208 Volt, 3-Wire, 1Ø ☐Other _____

Standard residential loads: (Check all that apply) Is this a seasonal load ☐ Yes ☐ No

☐ Lighting ☐ Electric Oven ☐ Electric Range ☐ Electric Water Heater (_____kW) ☐ Freezer

☐ Dish Washer ☐ Laundry Dryer ☐ Refrigerator ☐ On-Demand Water Heating (_____kW) ☐ Outdoor Lighting

☐ Air Conditioning – largest (_____ tons) ☐ Domestic Water Pump (_____ hp) ☐ Heat Pump (_____ tons)

☐ Air Conditioning - second A/C (_____ tons) ☐ Locked Rotor (_____ amps) ☐ Pool / Spa (_____ kW)

[1]Automated Document – Preliminary Statement Part A

APPLICATION FOR SERVICE
RESIDENTIAL SINGLE FAMILY DWELLING[1]

☐ Other electric heat (_____kW) ☐ NGV Compressor (_____ hp) ☐ Electric Vehicle (_____kW)

Other electric load (specify) _____ Number of meters needed _____

Natural Gas Load Information

If natural gas is not available, will you use propane? ☐ No ☐ Yes

Gas Service Delivery Pressure Requested: ☐ ¼ psig ☐ Other (psig)

Check all that apply: (If additional space is required please attach a spreadsheet using same format as below) (MBtu/h = 1,000 BTU/h)

☐ Water Heater (_____ MBtu/h) ☐Gas Oven (_____ MBtu/h) ☐Furnace (_____ MBtu/h) ☐Pool /Spa (_____ MBtu/h)

☐Laundry Dryer (_____ MBtu/h) ☐Gas Range (_____ MBtu/h) ☐On-Demand Water Heater (_____ MBtu/h)

☐Other gas load (specify) _____Number of meters needed _____

Self-Generation and Net Metering Options

If you are planning to install any self generation equipment, photovoltaic, or wind generation, additional applications for interconnection to PG&E's electric system must be submitted and approved by PG&E prior to engineering for your new construction project. The information you provide on your generation interconnection application may affect the final PG&E design for your project.

For information on PG&E's net metering programs, including eligibility guidelines, generation interconnection program application forms, links to the California Public Utilities Commission, Energy Commission and the US Department of Energy, visit www.pge.com/b2b/newgenerator/ or contact PG&E's Generation Interconnection Services at (415) 972-5676.

Are you planning to install any self generation equipment? ☐No ☐Yes
If yes, please provide us with an estimate of the Generation proposed for this project.
Total # of generation units _____ Total output of all generation _____ kW Generation Type _____

Attachment – 2 copies required

A. Assessors parcel map showing all easements, rights-of-way, property lines, etc.
B. Detailed site plan showing roads, sidewalks, driveways, location of fire hydrants and other structures, proposed location of gas and electric meters, building elevations, and proposed future improvements. (Meter locations are subject to PG&E approval.)
C. One copy of the county or city approved plot plan with assigned address is required to establish the PG&E account.
D. Title 24 Utility Report or building permit.
E. Copies of all environmental permits and/or conditions of approval.

Applicant is responsible for identifying all environmental requirements within said permits, approvals and/or conditions. For additional information visit *http://www.pge.com/myhome/customerservice/other/newconstruction/*

Agreement to Pay and Signature

I understand that service will be engineered and installed based upon the information provided here. I agree to pay PG&E, on demand, for all work PG&E performs and all costs PG&E incurs for this application for service. PG&E may cancel this Application for Service (a) if the application is incomplete and I do not provide all necessary supporting documents and project data after being notified by PG&E, (b) if I fail to provide an engineering advance within ninety days after one is requested by PG&E, or (c) if PG&E sends a proposed contract and I do not return the contract, with the required payment, within ninety days. If the project is postponed or cancelled, by either party, I will pay PG&E for all such work and costs incurred by PG&E prior to the postponement or cancellation. PG&E's costs may include, for example, labor, material and supplies, (including long lead time materials), transportation, and other direct costs which PG&E allocates to such work. Incomplete information or any changes made at my request during the engineering, or after it is completed, will subject me to additional charges and may delay the establishment of service. I further agree to pay for any damage to new or existing PG&E facilities caused by my contractors or me. Service shall be subject to all of PG&E's applicable tariff schedules on file with and authorized by the California Public Utilities Commission (CPUC) and shall at all times be subject to such changes or modifications as the CPUC may direct from time to time in the exercise of its jurisdiction.

[1]Automated Document – Preliminary Statement Part A

APPLICATION FOR SERVICE
RESIDENTIAL SINGLE FAMILY DWELLING[1]

I understand that PG&E may require an engineering advance to cover some or all of its costs for project review, design work and cost development in connection with this application for service. I understand that any advance will be based upon current costs and the amount of work anticipated by PG&E based upon the information submitted in this application. I understand that any advance will be credited against the amount I owe, applied to the amount I may owe on the resulting line extension agreement, or refunded to me without interest when PG&E has completed its engineering work or if the project has been cancelled or postponed.

I have read the above information. I understand and agree with the provisions and my responsibilities.

Applicant's Signature _____ Print Name _____ Date _____
First Name, Middle Initial, Last Name

[1]Automated Document – Preliminary Statement Part A

Electric Sample Form No. 62-0684 Sheet 1
Application for Service -- Residential Subdivision/Development

Please Refer to Attached Sample Form

APPLICATION FOR SERVICE
RESIDENTIAL SUBDIVISION / DEVELOPMENT

Please complete this application and submit the completed form and attachments to PG&E Application for Service at P.O. Box 24047, Fresno, CA 93706-2010. You may also submit applications at http://www.pge.com/cco or call 1-877-PGE-SRVC.
** Indicates optional fields.*

Project Type

☐ Build-Out (Production) Subdivision ☐ Apartments ☐ Zero Lot Line

☐ Condominiums ☐ Lot Sale Number of lots / units

Project Information

☐ Gas Service ☐ Electric Overhead Service ☐ Electric Underground Service Date Initial Service Needed

Project Name *Tract Number _____

Project Address /Location City County Zip

Nearest Cross Street

Applicant / Company Name

☐ Individual ☐ Partnership ☐ Corporation ☐ Limited Liability Corporation ☐ Governmental Agency

☐ Sole Proprietor ☐ Other

Day Phone( ) *Cell Phone ( ) *Fax ( ) *Email address
(Correspondence will be sent via e-mail)

Applicant Mailing Address City State Zip

Trench start date Date you will begin construction (grading) Trench completion date

Contract Information

Legal Name to appear on contract

☐ Individual ☐ Partnership ☐ Corporation ☐ Limited Liability Corporation ☐ Governmental Agency

☐ Sole Proprietor ☐ Other

*State of incorporation or LLC

Name of person authorized to sign contracts *Title
(First Name, Middle Initial, Last Name)

Mailing address for contract City State Zip

Representative Information (Party who will relay project information and updates to the PG&E representative)

Name of Representative

Day Phone ( ) *Cell Phone ( ) *Fax ( ) *Email address

Mailing address City State Zip

*Contractor's Name *Contractor's Phone

Pacific Gas and Electric Company

APPLICATION FOR SERVICE
RESIDENTIAL SUBDIVISIONS / DEVELOPMENT

Credit Information (Party responsible for energy use after the meter is installed)

Name to appear on bill Day Phone( ) *Evening Phone ( )
(First Name, Middle Initial, Last Name)

☐ Individual ☐ Partnership ☐ Corporation ☐ Limited Liability Corporation ☐ Governmental Agency ☐ Sole Proprietor

☐ Other

Mailing address for bill City State Zip

*Does the customer currently have service with PG&E? ☐ No ☐ Yes

*If yes, please provide the PG&E Account Number

*Do you want the new service included on your existing bill? ☐ No ☐ Yes

*Desired Electric Rate Schedule *Desired Gas Rate Schedule

If you want additional information on rate options or want to request a free rate analysis, visit *http://www.pge.com/myhome/myaccount/rateinfo/* or call 1-877-PGE-SRVC. If a rate schedule is not selected, PG&E will select an applicable rate schedule.

Application and Design and Installation Options

As an applicant for new gas or electric service, you can choose either PG&E or a qualified contractor to design new gas/electric distribution and/or service facilities. You can also choose either PG&E or a qualified contractor to construct all or a portion of new gas/electric distribution and/or service facilities. PG&E will provide you with a bid for the design and the construction work, to assist you in making a selection. You will then have the opportunity to choose either a qualified contractor to perform the design/or construction work. In accordance with PG&E's filed tariffs, electric trenching, conduits, substructures and gas service trenching are the applicant's responsibility. Once you make a decision about who will perform the work, if you subsequently change your selection, you will be responsible for any re-engineering charges incurred as a result of that change.

You should become familiar with the applicant design installation requirements, including PG&E's Applicant Design Guide and General Terms and Conditions, before you make your selection. For copies of these documents and/or for additional information, visit *http://www.pge.com/cco* or request information by calling 1-877-PGE-SRVC.

PG&E must provide project specific information to design contractors. PG&E can provide this information sooner if we know whether or not you are considering using a design contractor to design gas/electric distribution or service facilities.

Providing this information on this Application is voluntary and is not binding. PG&E will provide you with a bid for the design work regardless of whether or not you answer this question now and will not require a final decision from you until later in the process.

Are you currently planning to use a design contractor? Yes No

Pacific Gas and Electric Company

APPLICATION FOR SERVICE
RESIDENTIAL SUBDIVISIONS / DEVELOPMENT

Construction Information

**Please note if you have selected "Electric Overhead Service" without "Gas Service" all trench related questions become optional fields.

Joint trench drawing to be prepared by: ☐ Applicant ☐ PG&E ☐ Not required

Who will trench and backfill for the distribution facilities? ☐ Applicant / Elec ☐ PG&E / Elec ☐ Date Joint Trench Required

Proposed distribution trench occupants or joint pole occupants: (check all that apply) ☐ Electric ☐ Gas ☐ Phone ☐ CATV ☐ Other

Who will install distribution conduit and substructures? ☐ Applicant ☐ PG&E

Who will trench and backfill for the service facilities? ☐ Applicant / Gas ☐ PG&E / Gas ☐ Date Joint Trench Required ☐ Applicant / Elec ☐ PG&E / Elec

Proposed service trench occupants or joint pole occupants: (check all that apply) ☐ Electric ☐ Gas ☐ Phone ☐ CATV ☐ Other

Who will install service conduit and substructures? ☐ Applicant ☐ PG&E ☐ Date Joint Trench Required

*Transformer type requested: ☐ Padmounted ☐ Subsurface (additional Special Facilities charges may apply)

Water, sanitary sewer, storm drain, low pressure gas, oil or other fluid carrying piping or facilities or private utilities (e.g. fire alarm, private streetlight systems, private phone, private CATV or gate controllers) are not permitted in a PG&E occupied joint trench.

General Construction Information

Include on this application any eligible Rule 20B or Rule 20C conversion work or any eligible relocation work.

*Will temporary electric service be required? ☐ No ☐ Yes Date needed

*Will temporary gas service be required? ☐ No ☐ Yes Date needed

If, yes please complete the following:

*Will Temporary Service power be operated for less than one year? ☐ No ☐ Yes ☐ Not Sure Date needed

*Have you ever completed a temporary power project with us before? ☐ No ☐ Yes

*Who will trench and backfill for Temporary Service?

☐ Applicant/Gas ☐ PG&E/Gas

☐ Applicant/Electric ☐ PG&E/Electric

Electric Temporary Services

*Panel, Main Breaker Size amps

*Will Applicant or Contractor Install Pole? ☐ No ☐ Yes

Gas Temporary Services

*Gas Service Delivery Pressure Requested: ☐ ¼ psig ☐other

*Number of Meters at each service location?

Pacific Gas and Electric Company

APPLICATION FOR SERVICE
RESIDENTIAL SUBDIVISIONS / DEVELOPMENT

*Total Gas Load

Will existing PG&E electric overhead facilities require undergrounding? ☐ No ☐ Yes ☐ Not sure Date needed

Will any existing PG&E gas or electric facilities require relocation or removal? ☐ No ☐ Yes ☐ Not sure Date needed

Average square footage Largest square footage

IN THE EVENT THAT APPLICANT SHALL MAKE ANY MATERIAL CHANGE EITHER IN THE AMOUNT OR CHARACTER OF THE APPLIANCES OR APPARATUS INSTALLED UPON THE PREMISES TO BE SUPPLIED BY PG&E, INCLUDING PANEL SIZE, APPLICANT SHALL IMMEDIATELY GIVE PG&E WRITTEN NOTICE OF THIS FACT.

Electric Load Information

Main Switch Size (Meter Panel & Service Termination Enclosure) amps

Voltage: (select one) ☐ 120/240 Volt, 3-wire, 1Ø ☐ 120/208 Volt, 3-wire, 1Ø ☐ 240/120 Volt, 4-wire, 3Ø ☐ 208/120 Volt, 4-wire, 3Ø ☐ 480/277 Volt, 4-wire, 3Ø

Check all that apply:

☐ Standard residential loads (Lighting, Electric Oven, Electric Range, Refrigerator, Freezer, Dish Washer, Laundry Dryer, Electric Water Heater)

☐ Air Conditioner (tons) ☐ Domestic Water Pump (hp) ☐ Pool / Spa (kW)

☐ Other electric heat (kW) ☐ Heat Pump (tons) ☐ Electric Vehicle (kW)

☐ On-Demand Water Heating (kW) ☐ NGV Compressor (hp)

☐ Other electric load (specify) Number of meters needed

Common Usage Area Electric Load Information

☐ Lift Station ☐ Club House ☐ Park Site ☐ Sprinkler / Irrigation Controls (must be metered)

☐ Street Lighting ☐ Area Lighting ☐ Other (Specify)

* Street Light Load Information

Number of street lights to be added in development Watts per lamp Number of existing street lights to be removed

Bulb type: ☐ High Pressure Sodium Vapor ☐ Low Pressure Sodium Vapor ☐ Mercury Vapor ☐ Metal Halide

☐ Incandescent ☐ Other _____

What rate schedule will the lights be placed on? ☐ LS1 ☐ LS2 ☐ OL1 ☐ LS3 ☐ Other (additional forms may be required)

Who is responsible for the street light billing?

Billing address for streetlights City State Zip

Important Note: *For city or county owned street lighting, a letter will be required from the city/county accepting ownership of the lighting, which includes the date of acceptance and states they will be responsible for the billing. Until the letter is received and dated with the city/county acceptance, the billing will be placed in the applicant's name and billed according to the rate schedule requested once the lights have been energized.*

APPLICATION FOR SERVICE
RESIDENTIAL SUBDIVISIONS / DEVELOPMENT

IMPORTANT NOTE: Do NOT install your electric main switch or gas house line until the meter location is approved by PG&E.

Self-Generation and Net Metering Options

If you are planning to install any self generation equipment, photovoltaic, or wind generation, additional applications for interconnection to PG&E's electric system must be submitted and approved by PG&E prior to engineering for your new construction project. The information you provide on your generation interconnection application may affect the final PG&E design for your project.

For information on PG&E's net metering programs, including eligibility guidelines, generation interconnection program application forms, links to the California Public Utilities Commission, Energy Commission and the US Department of Energy, visit *www.pge.com/b2b/newgenerator/* or contact PG&E's Generation Interconnection Services at (415) 972-5676.

Are you planning to install any self generation equipment? Yes ☐ No ☐

If yes, please provide us with an estimate of the Generation proposed for this project.
*Total # of generation units *Total output of all generation *kW Generation Type

Attachment – 2 copies required

A. Complete set of subdivision improvement plans, including grading plans. Plans should include location of water, sewer, and storm drains. (Include 3 ½ "high-density disk with AutoCAD 2000i.dwg file of the site plan.)
B. Tract map showing all easements, rights-of-way, property lines, etc.
C. Detailed site plan showing roads, sidewalks, driveways, location of fire hydrants and other structures, and proposed future improvements.
D. Landscaping plans including sprinkler controller meter location.
E. Streetlight and traffic signal plans.
F. Title 24 Utility Report or building permit.
G. Copies of all environmental permits and/or conditions of approval.

Applicant is responsible for identifying all environmental requirements within said permits, approvals and/or conditions. For additional information visit *http://www.pge.com/myhome/customerservice/other/newconstruction/*

Agreement to Pay and Signature

I understand that service will be engineered and installed based upon the information provided here. I agree to pay PG&E, on demand, for all work PG&E performs and all costs PG&E incurs for this application for service. PG&E may cancel this Application for Service (a) if the application is incomplete and I do not provide all necessary supporting documents and project data after being notified by PG&E, (b) if I fail to provide an engineering advance within ninety days after one is requested by PG&E, or (c) if PG&E sends a proposed contract and I do not return the contract, with the required payment, within ninety days. If the project is postponed or cancelled, by either party, I will pay PG&E for all such work and costs incurred by PG&E prior to the postponement or cancellation. PG&E's costs may include, for example, labor, material and supplies, (including long lead time materials), transportation, and other direct costs which PG&E allocates to such work. Incomplete information or any changes made at my request during the engineering, or after it is completed, will subject me to additional charges and may delay the establishment of service. I further agree to pay for any damage to new or existing PG&E facilities caused by my contractors or me. Service shall be subject to all of PG&E's applicable tariff schedules on file with and authorized by the California Public Utilities Commission (CPUC) and shall at all times be subject to such changes or modifications as the CPUC may direct from time to time in the exercise of its jurisdiction.

I understand that PG&E may require an engineering advance to cover some or all of its costs for project review, design work and cost development in connection with this application for service. I understand that any advance will be based upon current costs and the amount of work anticipated by PG&E based upon the information submitted in this application. I understand that any advance will be credited against the amount I owe, applied to the amount I may owe on the resulting line extension agreement, or refunded to me without interest when PG&E has completed its engineering work or if the project has been cancelled or postponed.

I have read the above information. I understand and agree with the provisions and my responsibilities.

Applicant's Signature _____ **Print Name** _____ **Date** _____
First Name, Middle Initial, Last Name

Electric Sample Form No. 62-0685 Sheet 1
Application for Service -- Commercial/Industrial Development

Please Refer to Attached Sample Form

APPLICATION FOR SERVICE
COMMERICAL / INDUSTRIAL DEVELOPMENT

Please complete this application and submit the completed form and attachments to PG&E Application for Service at P.O. Box 24047, Fresno, CA, 93706-2010. You may also submit applications at http://www.pge.com/cco or call 1-877-PGE-SRVC.
**Indicates optional fields.*

Project Type

☐ Commercial Service (new) ☐ Commercial/Industrial Development ☐ Commercial/Industrial Service Upgrade (additional load / equipment)

☐ Industrial Service (new) ☐ Mixed Use Commercial/Residential Number of Buildings Number of Electric Services

Project Information

☐ Gas Service ☐ Electric Overhead Service ☐ Electric Underground Service Date Initial Service Needed

Project Address or Lot Number City County Zip

Nearest Cross Street

*Assessor's Parcel No. * Building Permit No.

Applicant / Company Name

☐ Individual ☐ Partnership ☐ Corporation ☐ Limited Liability Corporation ☐ Governmental Agency

☐ Sole Proprietor ☐ Other

Day Phone ( ) *Cell Phone ( ) *Fax ( ) *Email address

(Correspondence will be sent via e-mail)

Applicant Address City State Zip

Contract Information

Legal name to appear on contract

☐ Individual ☐ Partnership ☐ Corporation ☐ Limited Liability Corporation ☐ Governmental Agency

☐ Sole Proprietor ☐ Other

*State of incorporation or LLC

Name of person authorized to sign contracts * Title

(First Name, Middle Initial, Last Name)

Mailing address for contract City State Zip

Representative Information **(Party who will relay project information and updates to the PG&E representative)**

Name of Representative

Day Phone ( ) *Cell Phone ( ) *Fax ( ) *Email address

Mailing address City State Zip

*Contractor's Name *Contractor's Phone ( )

Pacific Gas and Electric Company

APPLICATION FOR SERVICE
COMMERICAL / INDUSTRIAL DEVELOPMENT

Credit Information (Party responsible for energy use after the meter is installed)

Name/Company Name to appear on bill Day Phone ( ) *Evening Phone ( )

(First Name, Middle Initial, Last Name)

☐ Individual ☐ Partnership ☐ Corporation ☐ Limited Liability Corporation ☐ Governmental Agency

☐ Sole Proprietor ☐ Other

Mailing address for bill City State Zip

Does the customer currently have service with PG&E? ☐ No ☐ Yes

*If yes, please provide the PG&E Account Number

*Do you want the new service included on your existing bill? ☐ No ☐ Yes

*NAICS (North America Industrial Classification System) Code *Business Activity

*Desired Electric Rate Schedule *Desired Gas Rate Schedule

If you want additional information on rate options or want to request a free rate analysis, visit

http://www.pge.com/mybusiness/myaccount/rates/ or call 1-877-PGE-SRVC. If a rate schedule is not selected, PG&E will select an applicable rate schedule.

Applicant Design and Installation Options

As an applicant for new gas or electric service, you can choose either PG&E or a qualified contractor to design new gas/electric distribution and/or service facilities. You can also choose either PG&E or a qualified contractor to construct all or a portion of new gas/electric distribution and/or service facilities. PG&E will provide you with a bid for the design and the construction work, to assist you in making a selection. You will then have the opportunity to choose either a qualified contractor to perform the design/or construction work.

In accordance with PG&E's filed tariffs, electric trenching, conduits, substructures and gas service trenching are the applicant's responsibility. Once you make a decision about who will perform the work, if you subsequently change your selection, you will be responsible for any re-engineering charges incurred as a result of that change.

You should become familiar with the applicant design installation requirements, including PG&E's Applicant Design Guide and General Terms and Conditions, before you make your selection. For copies of these documents and/or for additional information, visit http://www.pge.com/cco or request information by calling 1-877-PGE-SRVC.

PG&E must provide project specific information to design contractors. PG&E can provide this information sooner if we know whether or not you are considering using a design contractor to design gas/electric distribution or service facilities.

Providing this information on this Application is voluntary and is not binding. PG&E will provide you with a bid for the design work regardless of whether or not you answer this question now and will not require a final decision from you until later in the process.

Are you currently planning to use a design contractor? Yes No

Pacific Gas and Electric Company

APPLICATION FOR SERVICE
COMMERICAL / INDUSTRIAL DEVELOPMENT

Construction Information

**Please note if you have selected "Electric Overhead Service" without "Gas Service" all trench related questions become optional fields.

Joint trench drawing to be prepared by: ☐ Applicant ☐ PG&E ☐ Not required

Who will trench and backfill for the distribution facilities? ☐ Applicant / Elec ☐ PG&E / Elec ☐ Date Joint Trench Required

Proposed distribution trench occupants or joint pole occupants: (check all that apply) ☐ Electric ☐ Gas ☐ Phone ☐ CATV ☐ Other

Who will install distribution conduit and substructures? ☐ Applicant ☐ PG&E

Who will trench and backfill for the service facilities? ☐ Applicant / Gas ☐ PG&E / Gas ☐ Date Joint Trench Required ☐ Applicant / Elec ☐ PG&E / Elec

Proposed service trench occupants or joint pole occupants: (check all that apply) ☐ Electric ☐ Gas ☐ Phone ☐ CATV ☐ Other

Who will install service conduit and substructures? ☐ Applicant ☐ PG&E

*Transformer type requested: ☐ Padmounted ☐ Subsurface (additional Special Facilities charges may apply)

Water, sanitary sewer, storm drain, low pressure gas, oil or other fluid carrying piping or facilities or private utilities (e.g. fire alarm, private streetlight systems, private phone, private CATV or gate controllers) are not permitted in a PG&E occupied joint trench.

General Construction Information

Include on this application any eligible Rule 20B or Rule 20C conversion work or any eligible relocation work.

*Will temporary electric service be required? ☐ No ☐ Yes Date needed

*Will temporary gas service be required? ☐ No ☐ Yes Date needed

If, yes please complete the following:

*Will Temporary Service power be operated for less than one year? ☐ No ☐ Yes

Have you ever completed a temporary power project with us before? ☐ No ☐ Yes

*Who will trench and backfill for Temporary Service?

☐ Applicant/Gas ☐ PG&E/Gas

☐ Applicant/Electric ☐ PG&E/Electric

Electric Temporary Services

*Panel, Main Breaker Size amps

*Will Applicant or Contractor Install Pole? ☐ No ☐ Yes

Gas Temporary Services

APPLICATION FOR SERVICE
COMMERICAL / INDUSTRIAL DEVELOPMENT

*Gas Service Delivery Pressure Requested: ☐ ¼ psig ☐ other

*Number of Meters at each service location?

*Total Gas Load

Will existing PG&E electric overhead facilities require under grounding?

☐ No ☐ Yes ☐ Not sure Date needed

Will any existing PG&E gas or electric facilities require relocation or removal?

☐ No ☐ Yes ☐ Not sure Date needed

Load Information

Square footage of building (including all floors) Number of stories of building

IN THE EVENT THAT APPLICANT SHALL MAKE ANY MATERIAL CHANGE EITHER IN THE AMOUNT OR CHARACTER OF THE APPLIANCES OR APPARATUS INSTALLED UPON THE PREMISES TO BE SUPPLIED BY PG&E, INCLUDING PANEL SIZE OR HOURS OF OPERATION. APPLICANT SHALL IMMEDIATELY GIVE PG&E WRITTEN NOTICE OF THIS FACT.

Operating Hours

Hours per day Days per week Months per year

Typical daily operating hours: From ☐ AM ☐ PM To ☐ AM ☐ PM

Please describe other operating characteristics

Electric Load Information

Main Switch Size (Service Termination Enclosure) amps Number of meters at each service location

Voltage: (select one)
☐ 120/240 Volt, 3-wire, 1Ø ☐ 120/208Volt, 3-wire, 1Ø ☐ 240/120 Volt, 4-wire, 3Ø ☐ 208/120 Volt, 4-wire, 3Ø
☐ 480/277 Volt, 4-wire, 3Ø ☐ Primary voltage (> 2,400 Volts) ☐ Other (specify)

Single Largest 1Ø Motor (hp) Total 1Ø Motors (hp) Single Largest 3Ø Motor (hp) Total 3Ø Motors (hp)

Single Largest 1Ø Air Conditioning (tons) Single Largest 3Ø Air Conditioning (tons)

Total Lighting (kW) Parking Lot Lighting (kW) Streetlights (kW)

Receptacles (kW) Water Heating (kW) Cooking (kW)

Additional electric load (if additional space is needed please attach a spread sheet using same format as below)

Number of Appliances	Phase	Description of Appliance	Connected Load	Units
	☐ 1Ø ☐ 3Ø	at	☐ kW	☐ hp ☐ tons
	☐ 1Ø ☐ 3Ø	at	☐ kW	☐ hp ☐ tons
	☐ 1Ø ☐ 3Ø	at	☐ kW	☐ hp ☐ tons
	☐ 1Ø ☐ 3Ø	at	☐ kW	☐ hp ☐ tons

*Please provide motor codes for motors that have reduced voltage starting or are 25 hp and greater.

*** Street Light Load Information**

Number of street lights to be added in development Watts per lamp Number of existing street lights to be removed

Bulb type: ☐ High Pressure Sodium Vapor ☐ Low Pressure Sodium Vapor ☐ Mercury Vapor
☐ Metal Halide ☐ Incandescent ☐ Other

What rate schedule will the lights be placed on? ☐ LS1 ☐ LS2 ☐ OL1 ☐ LS3 ☐ Other (additional forms may be required)

Who is responsible for the street light billing?

Billing address for streetlights: City: State: Zip:

Important Note: *For city or county owned street lighting, a letter will be required from the city/county accepting ownership of the lighting, which includes the date of acceptance and states they will be responsible for the billing. Until the letter is received and dated with the city/county acceptance, the billing will be placed in the applicant's name and billed according to the rate schedule requested once the lights have been energized.*

Natural Gas Load Information

Natural gas standard service delivery pressure is provided at ¼ psig (7" water column). Requests for elevated service delivery pressure require PG&E's review and approval. If granted, elevated service delivery pressure may be reduced at any time due to PG&E operational needs. Special Facilities costs and cost-of-ownership charges may apply for elevated service delivery pressure. For further information, contact your local PG&E office and refer to Gas Rule 2. MBtu/h = 1,000 Btu/h

Gas Service Delivery Pressure Requested: ☐ ¼ psig ☐ Other (psig)

Number of meters at each service location

Check all that apply: (If additional space is required please attach a spreadsheet using same format as below)

☐ Space Heating Equipment (MBtu/h) ☐ Boilers (MBtu/h) ☐ Water Heating (MBtu/h)

☐ Air Conditioning (MBtu/h) ☐ Cooking (MBtu/h) ☐ Dryers (MBtu/h)

Other gas load (specify)

IMPORTANT NOTE: Do NOT install your electric main switch or gas house line until the meter location is approved by PG&E.

Self-Generation and Net Metering Options

If you are planning to install any self generation equipment, photovoltaic, or wind generation, additional applications for interconnection to PG&E's electric system must be submitted and approved by PG&E prior to engineering for your new construction project. The information you provide on your generation interconnection application may affect the final PG&E design for your project.

For information on PG&E's net metering programs, including eligibility guidelines, generation interconnection program application forms, links to the California Public Utilities Commission, Energy Commission and the US Department of Energy, visit *www.pge.com/b2b/newgenerator/* or contact PG&E's Generation Interconnection Services at (415) 972-5676.

Are you planning on installing any self generation equipment? Yes ☐ No ☐

If yes, please provide us with an estimate of the Generation proposed for this project.

*Total # of generation units *Total output of all generation(kW) *Generation Type

Pacific Gas and Electric Company

APPLICATION FOR SERVICE
COMMERICAL / INDUSTRIAL DEVELOPMENT

Attachment – 2 copies required

A. Complete set of site improvement plans, including grading plans. (Include 3 ½" high-density disk with AutoCAD 2000i.dwg file of the site plan.)

B. Building floor plan and exterior elevations.

C. Electric drawings and schedules with complete breakdown of equipment; include single line drawing if available.

D. Electric switchboard drawings. (Must be approved by PG&E prior to manufacturing the main panel.)

E. Plumbing plans.

F. Assessors parcel map showing all easements, rights-of-way, property lines, etc.

G. Detailed site plan showing roads, sidewalk, driveways, location of fire hydrants and other structures, proposed location of gas and electric meters, building elevations, and proposed future improvements. (Meter locations are subject to PG&E approval).

H. Landscaping plans including sprinkler controller meter location.

I. Streetlight and traffic signal plans.

J. Title 24 Utility Report or building permit.

K. Copies of all environmental permits and/or conditions of approval.

Applicant is responsible for identifying all environmental requirements within said permits, approvals and/or conditions. For additional information visit *www.pge.com/mybusiness/customerservice/otherrequests/newconstruction.*

Agreement to Pay and Signature

I understand that service will be engineered and installed based upon the information provided here. I agree to pay PG&E, on demand, for all work PG&E performs and all costs PG&E incurs for this application for service. PG&E may cancel this Application for Service (a) if the application is incomplete and I do not provide all necessary supporting documents and project data after being notified by PG&E, (b) if I fail to provide an engineering advance within ninety days after one is requested by PG&E, or (c) if PG&E sends a proposed contract and I do not return the contract, with the required payment, within ninety days. If the project is postponed or cancelled, by either party, I will pay PG&E for all such work and costs incurred by PG&E prior to the postponement or cancellation. PG&E's costs may include, for example, labor, material and supplies, (including long lead time materials), transportation, and other direct costs which PG&E allocates to such work. Incomplete information or any changes made at my request during the engineering, or after it is completed, will subject me to additional charges and may delay the establishment of service. I further agree to pay for any damage to new or existing PG&E facilities caused by my contractors or me. Service shall be subject to all of PG&E's applicable tariff schedules on file with and authorized by the California Public Utilities Commission (CPUC) and shall at all times be subject to such changes or modifications as the CPUC may direct from time to time in the exercise of its jurisdiction.

I understand that PG&E may require an engineering advance to cover some or all of its costs for project review, design work and cost development in connection with this application for service. I understand that any advance will be based upon current costs and the amount of work anticipated by PG&E based upon the information submitted in this application. I understand that any advance will be credited against the amount I owe, applied to the amount I may owe on the resulting line extension agreement, or refunded to me without interest when PG&E has completed its engineering work or if the project has been cancelled or postponed.

I have read the above information. I understand and agree with the provisions and my responsibilities.

Applicant's Signature _____ Print Name _____Date _____
First Name, Middle Initial, Last Name

Electric Sample Form No. 62-0686 Sheet 1
Application for Service -- Agricultural Service

Please Refer to Attached Sample Form

APPLICATION FOR SERVICE
AGRICULTURAL SERVICE

Please complete this application and submit the completed form to PG&E Application for Service at P.O. Box 24047,Fresno, CA 93706-2010. You may also submit applications at http://www.pge.com/cco or call 1-877-PGE-SRVC.

** Indicates optional fields.*

Project Type

Applicants will be served under an agricultural rate schedule if 70% or more of the annual energy use on the meter is for agricultural end-uses. Agricultural end-uses consist of: (a) growing crops, (b) raising livestock, (c) pumping water for irrigation of crops, or (d) other uses which involve production for sale. (Note: PG&E's Electric Rule 1 contains the complete qualification criteria for agricultural rates).

What percentage of the annual energy use will be for agricultural end-uses?

☐ New Agricultural Service ☐ Additional Load or Equipment to Existing Agricultural Service

Number of Buildings Number of Services

Project Information

☐ Gas Service ☐ Electric Overhead Service ☐ Electric Underground Service Date Initial Service Needed

Project Address or Lot Number City County Zip

Nearest Cross Street

*Assessor's Parcel No. *Building Permit No.

Applicant / Company Name

☐ Individual ☐ Partnership ☐ Corporation ☐ Limited Liability Corporation ☐ Governmental Agency

☐ Sole Proprietor ☐ Other

Day Phone *Cell Phone ( ) *Fax ( ) *Email address

(Correspondence will be sent via e-mail)

Applicant Mailing Address City State Zip

Contract Information

Legal Name to appear on contract

☐ Individual ☐ Partnership ☐ Corporation ☐ Limited Liability Corporation ☐ Governmental Agency

☐ Sole Proprietor ☐ Other

*State of incorporation or LLC

Name of person authorized to sign contracts *Title

(First Name, Middle Initial, Last Name)

Mailing address for contract City State Zip

Pacific Gas and Electric Company

APPLICATION FOR SERVICE
AGRICULTURAL SERVICE

Representative Information (Party who will relay project information and updates to the PG&E representative)

Name of Representative

Day Phone ( ) *Cell Phone ( ) *Fax ( ) *Email address

Mailing address City State Zip

*Contractor's Name *Contractor's Phone

Credit Information (Party responsible for energy use after the meter is installed)

Name/Company Name to appear on bill Day Phone ( ) *Evening Phone ( )

(First Name, Middle Initial, Last Name)

☐ Individual ☐ Partnership ☐ Corporation ☐ Limited Liability Corporation ☐ Governmental Agency

☐ Sole Proprietor ☐ Other

Mailing address for bill City State Zip

*Does the customer currently have service with PG&E? ☐ No ☐ Yes

*If yes, please provide the PG&E Account Number

*Do you want the new service included on your existing bill? ☐ No ☐ Yes

*NAICS (North America Industrial Classification System) Code *Business Activity

*Desired Electric Rate Schedule *Desired Gas Rate Schedule

The applicant is **required** to select an Agricultural Rate schedule before receiving service. If you want additional information on rate options or want to request a free rate analysis, visit *http://www.pge.com/about/rates/rateinfo/rateoptions/agricultural/* or call 1-877-PGE-SRVC.

Application and Design and Installation Options

As an applicant for new gas or electric service, you can choose either PG&E or a qualified contractor to design new gas/electric distribution and/or service facilities. You can also choose either PG&E or a qualified contractor to construct all or a portion of new gas/electric distribution and/or service facilities. PG&E will provide you with a bid for the design and the construction work, to assist you in making a selection. You will then have the opportunity to choose either a qualified contractor to perform the design/or construction work.

In accordance with PG&E's filed tariffs, electric trenching, conduits, substructures and gas service trenching are the applicant's responsibility. Once you make a decision about who will perform the work, if you subsequently change your selection, you will be responsible for any re-engineering charges incurred as a result of that change.

You should become familiar with the applicant design installation requirements, including PG&E's Applicant Design Guide and General Terms and Conditions, before you make your selection. For copies of these documents and/or for additional information, visit

http://www.pge.com/cco or request information by calling 1-877-PGE-SRVC.

PG&E must provide project specific information to design contractors. PG&E can provide this information sooner if we know whether or not you are considering using a design contractor to design gas/electric distribution or service facilities.

Providing this information on this Application is voluntary and is not binding. PG&E will provide you with a bid for the design work regardless of whether or not you answer this question now and will not require a final decision from you until later in the process.

Are you currently planning to use a design contractor? Yes No

Pacific Gas and Electric Company

APPLICATION FOR SERVICE
AGRICULTURAL SERVICE

Construction Information

**Please note if you have selected "Electric Overhead Service" without "Gas Service" all trench related questions become optional fields.

Joint trench drawing to be prepared by: ☐ Applicant ☐ PG&E ☐ Not required

Who will trench and backfill for the distribution facilities? ☐ Applicant / Elec ☐ PG&E / Elec ☐ Date Joint Trench Required

Proposed distribution trench occupants or joint pole occupants: (check all that apply) ☐ Electric ☐ Gas ☐ Phone ☐ CATV ☐ Other

Who will install distribution conduit and substructures? ☐ Applicant ☐ PG&E

Who will trench and backfill for the service facilities? ☐ Applicant / Gas ☐ PG&E / Gas ☐ Date Joint Trench Required ☐ Applicant / Elec ☐ PG&E / Elec

Proposed service trench occupants or joint pole occupants: (check all that apply) ☐ Electric ☐ Gas ☐ Phone ☐ CATV ☐ Other

Who will install service conduit and substructures? ☐ Applicant ☐ PG&E

*Transformer type requested: ☐ Padmounted ☐ Subsurface (additional Special Facilities charges may apply)

Water, sanitary sewer, storm drain, low pressure gas, oil or other fluid carrying piping or facilities or private utilities (e.g. fire alarm, private streetlight systems, private phone, private CATV or gate controllers) are not permitted in a PG&E occupied joint trench.

General Construction Information

Include on this application any eligible Rule 20B or Rule 20C conversion work or any eligible relocation work.

*Will temporary electric service be required? ☐ No ☐ Yes Date needed

*Will temporary gas service be required? ☐ No ☐ Yes Date needed

If, yes please complete the following:

*Will Temporary Service power be operated for less than one year? ☐ No ☐ Yes

Have you ever completed a temporary power project with us before? ☐ No ☐ Yes

*Who will trench and backfill for Temporary Service?

☐ Applicant/Gas ☐ PG&E/Gas

☐ Applicant/Electric ☐ PG&E/Electric

Electric Temporary Services

Panel, Main Breaker Size amps

Have you ever completed a temporary power project with us before? ☐ No ☐ Yes

*Will Applicant or Contractor Install Pole? ☐ No ☐ Yes

Gas Temporary Services

*Gas Service Delivery Pressure Requested: ☐ ¼ psig ☐ Other psig)

*Number of Meters at each service location?

*Total Gas Load

Will existing PG&E electric overhead facilities require undergrounding?

☐ No ☐ Yes ☐ Not sure Date needed

Will any existing PG&E gas or electric facilities require relocation or removal?

☐ No ☐ Yes ☐ Not sure Date needed

Pacific Gas and Electric Company

APPLICATION FOR SERVICE
AGRICULTURAL SERVICE

Load Information

IN THE EVENT THAT APPLICANT SHALL MAKE ANY MATERIAL CHANGE EITHER IN THE AMOUNT OR CHARACTER OF THE APPLIANCES OR APPARATUS INSTALLED UPON THE PREMISES TO BE SUPPLIED BY PG&E, INCLUDING PANEL SIZE OR HOURS OF OPERATION. APPLICANT SHALL IMMEDIATELY GIVE PG&E WRITTEN NOTICE OF THIS FACT.

Operating Hours: Hours per day Days per week Months per year

Typical operating hours: From To

(Military 0-2300)

What months will this facility operate? ☐ January ☐ February ☐ March ☐ April ☐ May ☐ June ☐ July ☐ August ☐ September ☐ October ☐ November ☐ December

Please describe other operating characteristics

What type of crop or livestock are you producing? (if livestock, please state if they are raised for slaughter or sale, kept for breeding purposes, or boarded for others

Electric Load Information

Main Switch Size (Service Termination Enclosure) amps Number of meters at each service location

Voltage: (select one)

☐ 120/240 Volt, 3-wire, 1Ø ☐ 120/208Volt, 3-wire, 1Ø ☐ 240/120 Volt, 4-wire, 3Ø ☐ 208/120 Volt, 4-wire, 3Ø

☐ 480/277 Volt, 4-wire, 3Ø ☐ Primary voltage (> 2,400 Volts) ☐ Other (specify)

Single Largest 1Ø Motor (hp) Total 1Ø Motors (hp) Single Largest 3Ø Motor (hp) Total 3Ø Motors (hp)

Electric Connected Load

1Ø Motor: motors at hp each

3Ø Motor: motors at hp each

Additional electric load (if additional space is needed please attach a spread sheet using same format as below)

Number of Appliances	Phase	Description of Appliance	Connected Load	Units
	☐ 1Ø ☐ 3Ø	at	☐ kW	☐ hp ☐ tons
	☐ 1Ø ☐ 3Ø	at	☐ kW	☐ hp ☐ tons
	☐ 1Ø ☐ 3Ø	at	☐ kW	☐ hp ☐ tons
	☐ 1Ø ☐ 3Ø	at	☐ kW	☐ hp ☐ tons

*Please provide motor codes for motors that have reduced voltage starting or are 25 hp and greater.

Will submersible pump(s) be installed? ☐ No ☐ Yes

Pacific Gas and Electric Company

APPLICATION FOR SERVICE
AGRICULTURAL SERVICE

Natural Gas Load Information

*If this is an existing service, what is the.*PG&E meter no.

Natural gas standard service delivery pressure is provided at ¼ psig (7" water column). Requests for elevated service delivery pressure require PG&E's review and approval. If granted, elevated service delivery pressure may be reduced at any time due to PG&E operational needs. Special Facilities costs and cost-of-ownership charges may apply for elevated service delivery pressure. For further information, contact your local PG&E office and refer to Gas

Rule 2. (MBtu/h = 1,000 Btu/h)

Gas Service Delivery Pressure Requested: ☐ 1/4 psig ☐ Other (psig)

Number of meters at each service location

Check all that apply: (If additional space is required please attach a spreadsheet using same format as below)

☐ Space Heating Equipment (MBtu/h) ☐ Boilers (MBtu/h) ☐ Water Heating (MBtu/h)

☐ Air Conditioning (MBtu/h) ☐ Cooking (MBtu/h) ☐ Dryers (MBtu/h)

☐ Other gas load (specify)

IMPORTANT NOTE: Do NOT install your electric main switch or gas house line until the meter location is approved by PG&E.

Self-Generation and Net Metering Options

If you are planning to install any self generation equipment, photovoltaic, or wind generation, additional applications for interconnection to PG&E's electric system must be submitted and approved by PG&E prior to engineering for your new construction project. The information you provide on your generation interconnection application may affect the final PG&E design for your project.

For information on PG&E's net metering programs, including eligibility guidelines, generation interconnection program application forms, links to the California Public Utilities Commission, Energy Commission and the US Department of Energy, *visit www.pge.com/b2b/newgenerator/* or contact PG&E's Generation Interconnection Services at (415) 972-5676.

Are you planning to install any self generation equipment? Yes No

If yes, please provide us with an estimate of the Generation proposed for this project.

*Total # of generation units *Total output of all generation *kW *Generation Type

Attachment – 2 copies required

A. Detailed site plan showing roads, driveways, easements, right-of-ways, property lines, building and structure.

B. Copies of all environmental permits and/or conditions of approval.

Applicant is responsible to identify all environmental requirements within said permits, approvals and/or conditions. For additional information visit *http://www.pge.com/mybusiness/customerservice/otherrequests/newconstruction.*

Pacific Gas and Electric Company

APPLICATION FOR SERVICE
AGRICULTURAL SERVICE

Agreement to Pay and Signature

I understand that service will be engineered and installed based upon the information provided here. I agree to pay PG&E, on demand, for all work PG&E performs and all costs PG&E incurs for this application for service. PG&E may cancel this Application for Service (a) if the application is incomplete and I do not provide all necessary supporting documents and project data after being notified by PG&E, (b) if I fail to provide an engineering advance within ninety days after one is requested by PG&E, or (c) if PG&E sends a proposed contract and I do not return the contract, with the required payment, within ninety days. If the project is postponed or cancelled, by either party, I will pay PG&E for all such work and costs incurred by PG&E prior to the postponement or cancellation. PG&E's costs may include, for example, labor, material and supplies, (including long lead time materials), transportation, and other direct costs which PG&E allocates to such work. Incomplete information or any changes made at my request during the engineering, or after it is completed, will subject me to additional charges and may delay the establishment of service. I further agree to pay for any damage to new or existing PG&E facilities caused by my contractors or me. Service shall be subject to all of PG&E's applicable tariff schedules on file with and authorized by the California Public Utilities Commission (CPUC) and shall at all times be subject to such changes or modifications as the CPUC may direct from time to time in the exercise of its jurisdiction.

I understand that PG&E may require an engineering advance to cover some or all of its costs for project review, design work and cost development in connection with this application for service. I understand that any advance will be based upon current costs and the amount of work anticipated by PG&E based upon the information submitted in this application. I understand that any advance will be credited against the amount I owe, applied to the amount I may owe on the resulting line extension agreement, or refunded to me without interest when PG&E has completed its engineering work or if the project has been cancelled or postponed.

I have read the above information. I understand and agree with the provisions and my responsibilities.

Applicant's Signature _____ Print Name _____Date _____

First Name, Middle Initial, Last Name

Electric Sample Form No. 62-0687 Sheet 1
Application for Service -- Existing Service Relocate/Change Service

Please Refer to Attached Sample Form

APPLICATION FOR SERVICE
EXISTING SERVICE RELOCATE / CHANGE SERVICE

Please complete this application and submit the completed form and attachments to PG&E Application for Service at P.O. Box 24047 Fresno CA, 93706-2010. You may also submit applications at http://www.pge.com/cco or call 1-877-PGE-SRVC.
**Indicates optional fields.*
This application is intended for stand-alone relocation requests. If your project also requires new service, please complete a new service application in place of this one. New service applications can be found at http://www.pge.com/cco.

Project Type

Type of Work (please choose one)

☐ Residential Single Family ☐ Residential Subdivision ☐ Commercial/Industrial/Agricultural

☐ Mixed Use (Commercial/Residential Combination) ☐ Agency (City, County, Cal-Trans)

Reason for Relocation / Rearrangement Request (please check all that apply) *

☐ Panel/Meter Relocation (Gas & Electric) ☐ Panel Upgrade (No Load Added) ☐ Panel Upgrade (Added Load)

☐ Temporarily De-energize Panel ☐ Temporarily De-energize Service ☐ Temporarily Disconnect Service

☐ Cut off/Demolition ☐ Meter or Meter Size Change ☐ Service Relocation (Pipes & Electric Wires)

☐ Relocate PG&E Facilities (Poles, Boxes, Wires, Pipes, Guys) ☐ Overhead to Underground Conversion

☐ Other _____

Description of Work Requested: _____

Project Information

☐ Gas ☐ Electric Overhead ☐ Electric Underground ☐ Date Relocation Needed

Project Address or Lot Number City County Zip

Nearest Cross Street

Applicant / Company Name

☐ Individual ☐ Partnership ☐ Corporation ☐ Limited Liability Corporation ☐ Governmental Agency

☐ Sole Proprietor ☐ Other

Day Phone ( ) *Cell Phone( ) *Fax ( ) *Email address

(Correspondence will be sent via e-mail)

Applicant Address City State Zip

*Building Permit Number *PG&E Account Number Date PG&E facility rearrangement / relocation needed

PG&E may relocate or rearrange service in accordance with Gas and/or Electric Rules 2, 13, 15, 1, 20, 21 and LS schedules as applicable. There may be circumstances where application of PG&E's distribution/service extension rules would place an undue financial burden on PG&E. In these cases, PG&E may apply the exceptional case provisions of its Rules 15 and 16.

Pacific Gas and Electric Company

APPLICATION FOR SERVICE
EXISTING SERVICE RELOCATE / CHANGE SERVICE

Contract Information

Legal name to appear on contract

☐ Individual ☐ Partnership ☐ Corporation ☐ Limited Liability Corporation ☐ Governmental Agency

☐ Sole Proprietor ☐ Other

*State of incorporation or LLC

Name of person authorized to sign contracts

(First Name, Middle Initial, Last Name)

Mailing address for contract City State Zip

*Contractor's Name *Contractor's Phone ( )

Representative Information **(Party who will relay project information and updates to the PG&E representative)**

Name of Representative

Day Phone ( ) *Cell Phone ( ) *Fax ( ) *Email address

Mailing address City State Zip

*Contractor's Name *Contractor's Phone ( )

Construction Information

You are permitted to select either PG&E or your own contractor to construct all or a portion of any new gas/electric distribution and / or service facilities. However, only PG&E may work on energized or pressurized facilities. More details regarding the installation option requirements are available through your local PG&E office. You should become familiar with the requirements before you make your selection (Please see the following pages under installation options for specific information. For projects that require both relocation work and new service, please complete the appropriate new service application. Those new service (and associated relocation work) applications can be found at http://www.pge.com/cco.

*If trenching is required, who will trench, backfill, and provide and install conduit?

☐ Applicant ☐ PG&E

*Proposed trench occupants: (please check all that apply)

☐ Electric ☐ Gas ☐ Phone ☐ CATV ☐ Other

Water, sanitary sewer, storm drain, LPG, oil or other fluid carrying piping or facilities are not permitted in a joint trench.

IMPORTANT NOTE: Do NOT install your electric main switch or gas house line until the location is approved by PG&E.

Pacific Gas and Electric Company

APPLICATION FOR SERVICE
EXISTING SERVICE RELOCATE / CHANGE SERVICE

Load Information

Electric Load Information

Main Switch Size (Service Termination Can) (amps) Number of meters at each service location

Voltage: (select one)

☐120/240 Volt, 3-wire, 1Ø ☐120/208Volt, 3-wire, 1Ø ☐ 240/120 Volt, 4-wire, 3Ø ☐ 208/120 Volt, 4-wire, 3Ø

☐ 480/277 Volt, 4-wire, 3Ø ☐ Primary voltage (> 2,400 Volts) ☐ Other (specify)

*If required, who will install the electric service wire?

☐ Applicant ☐ PG&E

Natural Gas Load Information

Natural gas standard service delivery pressure is provided at ¼ psig (7" water column). Requests for elevated service delivery pressure require PG&E review and approval. If granted, elevated service delivery pressure may be reduced at any time due to PG&E operational needs. Special facilities & cost of-ownership charges may apply for elevated service delivery pressure. For further information, contact your local PG&E office and refer to Gas Rule 2.

Number of meters at each service location

*If required, who will install the gas pipe? ☐ Applicant ☐ PG&E

General Construction

*Will temporary electric service be required? ☐ No ☐ Yes Date needed

*Will temporary gas service be required? ☐ No ☐ Yes Date needed

If, yes please complete the following:

*Will Temporary Service power be operated for less than one year? ☐ No ☐ Yes

Have you ever completed a temporary power project with us before? ☐ No ☐ Yes

*Who will trench and backfill for Temporary Service?

☐ Applicant/Gas ☐ PG&E/Gas

☐ Applicant/Electric ☐ PG&E/Electric

Electric Temporary Services

*Panel, Main Breaker Size amps

*Will Applicant or Contractor Install Pole? ☐ No ☐ Yes

Gas Temporary Services

*Gas Service Delivery Pressure Requested: ¼ psig other

*Number of Meters at each service location?

*Total Gas Load

*I request PG&E to provide a construction bid for:

☐ Gas Facilities ☐ Electric Facilities

PG&E gas or electric facilities require removal? ☐ No ☐ Yes ☐ Not sure Date Needed

Pacific Gas and Electric Company

APPLICATION FOR SERVICE
EXISTING SERVICE RELOCATE / CHANGE SERVICE

Self-Generation and Net Metering Options

If you are planning to install any self generation equipment, photovoltaic, or wind generation, additional applications for interconnection to PG&E's electric system must be submitted and approved by PG&E prior to engineering for your new construction project. The information you provide on your generation interconnection application may affect the final PG&E design for your project.

For information on PG&E's net metering programs, including eligibility guidelines, generation interconnection program application forms, links to the California Public Utilities Commission, Energy Commission and the US Department of Energy, visit *www.pge.com/b2b/newgenerator* or contact PG&E's Generation Interconnection Services at (415) 972-5676.

Are you planning on installing any self generation equipment? Yes No

If yes, please provide us with an estimate of the Generation proposed for this project.

*Total # of generation units *Total output of all generation(kW) *Generation Type

Attachment – 2 copies required

A. Complete set of site improvement plans, including grading plans. (Include 3 ½" high-density disk with AutoCAD 2000i.dwg file of the site plan.)

B. Building floor plan and exterior elevations.

C. Electric drawings and schedules with complete breakdown of equipment; include single line drawing if available.

D. Electric switchboard drawings. (Must be approved by PG&E prior to manufacturing the main panel.)

E. Plumbing plans.

F. Assessors parcel map showing all easements, rights-of-way, property lines, etc.

G. Detailed site plan showing roads, sidewalk, driveways, location of fire hydrants and other structures, proposed location of gas and electric meters, building elevations, and proposed future improvements. (Meter locations are subject to PG&E approval).

H. Landscaping plans including sprinkler controller meter location.

I. Streetlight and traffic signal plans.

J. Title 24 Utility Report or building permit.

K. Copies of all environmental permits and/or conditions of approval.

Applicant is responsible to identify all environmental requirements within said permits, approvals and/or conditions. For additional information visit *www.pge.com/mybusiness/customerservice/otherrequests/newconstruction/*

Pacific Gas and Electric Company

APPLICATION FOR SERVICE
EXISTING SERVICE RELOCATE / CHANGE SERVICE

Agreement to Pay and Signature

I understand that service will be engineered and installed based upon the information provided here. I agree to pay PG&E, on demand, for all work PG&E performs and all costs PG&E incurs for this application for service. PG&E may cancel this Application for Service (a) if the application is incomplete and I do not provide all necessary supporting documents and project data after being notified by PG&E, (b) if I fail to provide an engineering advance within ninety days after one is requested by PG&E, or (c) if PG&E sends a proposed contract and I do not return the contract, with the required payment, within ninety days. If the project is postponed or cancelled, by either party, I will pay PG&E for all such work and costs incurred by PG&E prior to the postponement or cancellation. PG&E's costs may include, for example, labor, material and supplies, (including long lead time materials), transportation, and other direct costs which PG&E allocates to such work. Incomplete information or any changes made at my request during the engineering, or after it is completed, will subject me to additional charges and may delay the establishment of service. I further agree to pay for any damage to new or existing PG&E facilities caused by my contractors or me. Service shall be subject to all of PG&E's applicable tariff schedules on file with and authorized by the California Public Utilities Commission (CPUC) and shall at all times be subject to such changes or modifications as the CPUC may direct from time to time in the exercise of its jurisdiction.

I understand that PG&E may require an engineering advance to cover some or all of its costs for project review, design work and cost development in connection with this application for service. I understand that any advance will be based upon current costs and the amount of work anticipated by PG&E based upon the information submitted in this application. I understand that any advance will be credited against the amount I owe, applied to the amount I may owe on the resulting line extension agreement, or refunded to me without interest when PG&E has completed its engineering work or if the project has been cancelled or postponed.

I have read the above information. I understand and agree with the provisions and my responsibilities.

Applicant's Signature _____ Print Name _____Date _____
First Name, Middle Initial, Last Name

Electric Sample Form No. 62-0980 Sheet 1
Distribution Service and Extension Agreement Declarations

Please Refer to Attached Sample Form

Pacific Gas and Electric Company

DISTRIBUTION:
☐ Applicant (copy)
☐ Division (copy)
☐ CFM(Original)

REFERENCES:
Notification # _____
E-PM # _____
G-PM # _____
Bill Doc # _____
MLX # _____
Prior MLX # _____
Customer # _____

DISTRIBUTION SERVICE AND EXTENSION AGREEMENT DECLARATIONS[1]

Submitted to Applicant by:

PG&E REP NAME

Date of issuance:_____

1. _____**(Applicant),** has requested **PACIFIC GAS AND ELECTRIC COMPANY**, a California corporation (PG&E), to deliver **Gas / Electric** energy to the property situated at **Enter Address Here** and shown on the attached drawings.

2. **Applicable Documents.** The cost summary for the facilities to be installed is attached hereto as Exhibit A. These facilities shall be installed in accordance with the applicable rules on file with the California Public Utilities Commission (which may include Gas and Electric Rules 2, 13, 15, 16, and 20), as well as the requirements set forth in the Provisions (Form 62-0982) and the General Terms and Conditions for Gas and Electric Service by Applicant (Form 79-716) These documents are located online in PG&E's Tariff Book, which is available at http://www.pge.com/cco . Should you require hard copies please contact your PG&E Representative.

3. **Construction Options.** The responsibility for providing line extension work is divided between PG&E and the Applicant. However, Applicant may chose to have a qualified contractor perform some of the work that is PG&E's responsibility, and may choose to have PG&E perform some or all of the work that is the Applicant's responsibility. PG&E will reimburse or collect money based on its estimate of the costs, subject to the applicable rules. Based on Applicant's request, the contract costs are based on the following construction options:

PG&E Responsibility [1]		To Be Performed By	
		PG&E	Applicant
Gas	Main Trench	☐	☐
	Main Pipe Installation	☐	☐
	Service Pipe Installation	☐	☐
Electric	Distribution Wire and Equipment Installation	☐	☐
	Service Wire Installation	☐	☐

Applicant Responsibility [2]		To Be Performed By	
		PG&E	Applicant
Gas	Service Trench	☐	☐
Electric	Distribution Trench	☐	☐
	Service Trench	☐	☐
	Distribution Substructure Installation	☐	☐
	Service Substructure Installation	☐	☐

1. PG&E's responsibilities per Rule 15.b.1.b and Rule 16.D.2
2. Applicant's responsibilities per Rule 15.b.1.a and Rule 16.D.1

4. ☐ **N/A**

Refund/Discount Option Selection

Applicant, in accordance with PG&E's extension rules, must select **one** of the following options for each commodity you are requesting service (gas and/or electric). Once the selection has been made, it cannot be changed.

Gas	Electric
☐ **10-Year Subject to Refund Option**	☐ 10-Year Subject to Refund Option
- or -	- or -
☐ **Non-Refundable 50% Discount Option**	☐ Non-Refundable 50% Discount Option

ACCEPTED:

APPLICANT:

BY: _____
(Authorized Signature)

_____
(Type or Print Name)

DATE: _____

MAILING ADDRESS: _____

_____

PACIFIC GAS AND ELECTRIC CO.:

BY: _____
(Authorized Signature)

_____
(Type or Print Name)

TITLE: _____

DIVISION: _____

DATE: _____

4. ☐ **N/A**

Refund/Discount Option Selection

Applicant, in accordance with PG&E's extension rules, must select **one** of the following options for each commodity you are requesting service (gas and/or electric). Once the selection has been made, it cannot be changed.

Gas	Electric
☐ **10-Year Subject to Refund Option**	☐ 10-Year Subject to Refund Option
- or -	- or -
☐ **Non-Refundable 50% Discount Option**	☐ Non-Refundable 50% Discount Option

ACCEPTED:

GROUP OF APPLICANTS:

BY: _____ (Authorized Signature)

_____ (Type or Print Name)

DATE: _____

MAILING ADDRESS:

_____

_____

Amount of Payment/%

$_____/_____

BY: _____ (Authorized Signature)

_____ (Type or Print Name)

DATE: _____

MAILING ADDRESS:

_____

_____

Amount of Payment/%

$_____/_____

BY: _____ (Authorized Signature)

_____ (Type or Print Name)

DATE: _____

MAILING ADDRESS:

_____

_____

Amount of Payment/%

$_____/_____

DISTRIBUTION SERVICE AND EXTENSION AGREEMENT DECLARATIONS

MAILING ADDRESS:

BY: _____ _____ **Amount of Payment/%**

(Authorized Signature)

$_____/_____

_____ _____

(Type or Print Name)

DATE: _____

MAILING ADDRESS:

BY: _____ _____ **Amount of Payment/%**

(Authorized Signature)

$_____/_____

_____ _____

(Type or Print Name)

DATE: _____

PACIFIC GAS AND ELECTRIC CO.:

BY: _____

(Authorized Signature)

_____

(Type or Print Name)

TITLE: _____

DIVISION: _____

DATE: _____

Electric Sample Form No. 79-1014 Sheet 1
Direct Access Customer Relocation Declaration

Please Refer to Attached Sample Form

DIRECT ACCESS CUSTOMER RELOCATION DECLARATION*

A. Electric Service Provider (ESP) Declaration

I, _____, state as follows:

1. I am an authorized representative of _____ (Name of ESP) ("ESP") authorized to make this declaration. I have personal knowledge of the matters set forth herein and if called upon as a witness could and would testify competently thereto.

2. Pursuant to a valid agreement (Agreement) by and between _____ (Name of ESP) and _____ (Name of Customer) ("Customer"), ESP provides electric power service to Customer at the Current Location, as specified below.

3. As stated herein, Customer requests to transfer its direct access (DA) service provided by PG&E and electric power service provided by ESP at the Current Location, to the New Location, as specified in this document. This relocation is requested in the normal course of business.

4. Under the provisions of the Agreement, the Customer has the right to receive electric power service from ESP for electric service loads located at the New Location.

5. All conditions of the Agreement necessary for a transfer of electric service from Current Location to New Location have been satisfied, including any necessary approvals by ESP.

I declare under penalty of perjury under the laws of the State of California that the foregoing is true and correct. Executed this _____ day of _____, _____ at

_____ (City) , _____ (State)

Signature: _____
Authorized Representative of ESP

: _____

Title: _____

Date: _____

* This form at all times shall be subject to such modifications as the California Public Utilities Commission may direct from time to time in the exercise of its jurisdiction

B. Customer Declaration

I, _____, state as follows:

1. I am an authorized representative of _____ ("Customer") and I am authorized to make this declaration.

2. I have personal knowledge of the matters set forth herein and if called upon as a witness could and would testify competently thereto.

3. Customer has entered into an agreement for direct access service (Agreement) with the ESP as identified above.

4. Customer requests to transfer its DA service provided by PG&E and its electric power service provided by ESP from Current Location to New Location, as noted on Attachment 1. This relocation is requested in the normal course of business.

   Please check one:

   _____ A. "Current Location" means one existing customer Premises[1] where the electric load of one service account (which may consist of one or more electric meters) is currently being served under DA. "New Location" means the same or different Premises from the Current Location which has been newly acquired or constructed by customer, at which the customer intends to relocate all or part of its business and operations from the Current Location. The New Location may only consist of one service account.

   _____ B. "Current Location" means one existing customer Premises where the electric load of one or more service accounts are currently being served under DA. "New Location" means the same or different Premises from the Current Location which has been newly acquired or constructed by customer, at which the customer intends to relocate all or part of its business and operations from the Current Location. The New Location may consist of one or more service accounts at a single Premises.

   _____ C. "Current Location" means one or more existing customer Premises where the electric load of one or more service accounts is currently being served under DA. "New Location" means the same or different Premises from the Current Location to which the customer intends to relocate all or part of its business and operations from the Current Location. The New Location may consist of one or more service accounts at a single or multiple Premises. Customer warrants that the total DA load of all active accounts at New Location after the relocation has been completed is limited to loads the same as, or substantially the same as, the loads represented by the Current Location. .

[1] Premises is defined in PG&E's electric Rule 1

_____ D. "Current Location" means one or more existing customer Premises where the electric load of one or more service accounts is currently being served under DA. "New Location" means a different Premises than the Current Location to which the customer intends to relocate all or part of its business and operations from the Current Location. The New Location may only consist of one service account at which the customer has been receiving bundled service. The New Location shall not be eligible for DA service until all electric service accounts billing under the same customer of record at the Current Location have been terminated or returned to bundled service. Customer must submit this request to PG&E no later than one hundred twenty (120) days from the date all the service accounts at the Current Location have been terminated or returned to bundled service. If the service account at the current location is being returned to bundled service, Customer warrants that the remaining load at the current location has been reduced consistent with the relocation of all or part of its business or operations from the Current Location to a New Location.

5. Customer understands that a New Location cannot include bundled service accounts that have been in the customer's name for more than one hundred twenty (120) days. This section is not applicable if Section 4.D. above is selected.

6. Customer warrants its total DA load as a result of the relocation does not exceed the load limitations provided in the Agreement.

7. Customer agrees to maintain, and make available to the California Public Utilities Commission (CPUC) upon request, all records associated with its electricity service and consumption at Current Location and New Location, including, but not limited to, the applicable meter and account numbers, and the associated direct access load.

8. Customer agrees to (Check One):

   _____ Close its service account(s) at Current Location on _____ [Expected date].

   _____ Return its service account(s) at Current Location(s) to bundled service on _____ [Expected date].

   _____ Split the load on the service account(s) at Current Location as follows. (this section is only applicable if section 4.C above is selected). Identify service account(s) by PG&E Service Agreement Number in the space below.):

   _____

   _____

   _____

9. Customer understands that this declaration must be submitted within one hundred twenty (120) days of closing its service account at the Current Location or moving part of its business or operations from the Current Location to a New Location.

10. Customer understands that a DASR must be submitted within sixty (60) days of either a) this relocation declaration's acceptance by PG&E or b) establishment of electric service at the New Location, whichever is later, for this relocation to be valid.

11. Customer understands that continuous direct access status pursuant to Ordering Paragraph 4 of CPUC Decision 02-11;022 (exemption from paying the DWR components of the DA Cost Responsibility Surcharge) will transfer to a relocation account only if each service account at the Current Location(s) being combined for the relocation service account qualifies as continuous direct access. If the customer elects to combine a number of service accounts that do not qualify as continuous direct access, then the relocation service account will not qualify as continuous direct access.

12. Customer understands that the Current Location and New Location must be under the same ownership... For purposes of this requirement, "ownership" means holding a fee interest or leasehold interest in the real property that constitutes the Premises. In order to be considered under the same ownership, the Current Location and the New Location must meet one of the following criteria: (1) the locations are owned by the same company; (2) the locations are owned by companies that are wholly owned or controlled by the same parent company; or (3) one location is owned by a company that is wholly owned or controlled by the owner of the other location. For purposes of this section, "control" means owning 51% or more of the company. If a Customer is assigning DA eligibility and transferring its DA service between corporate entities with different Federal Taxpayer Identification Numbers, the Customer must complete the Affidavit in Attachment 2 and submit it with this request

13. Notwithstanding the requirements set forth in Section 12, a Customer may assign DA eligibility and transfer its DA service between campuses of the same public university system, community college district, or public school district. In cases where the campuses have different Federal Taxpayer Identification Numbers, the Customer must complete the Affidavit in Attachment 2 and submit it with this request.

I declare under penalty of perjury under the laws of the State Of California that the foregoing is true and correct. Executed this _____ day of _____ , _____ at _____ , _____ [City, State]

Signature: _____
Authorized Representative of New Customer

Print Name: _____

Title: _____

Date: _____

Pacific Gas and Electric Company®

DIRECT ACCESS CUSTOMER RELOCATION DECLARATION — ATTACHMENT 1 —

Name On Account: _____

Current Location Information (Service Account(s) listed by PG&E Service Agreement Number):

Service Agreement Number: _____
Service Address: _____
City, State, ZIP: _____
Meter Number: _____

Service Agreement Number: _____
Service Address: _____
City, State, ZIP: _____
Meter Number: _____

Service Agreement Number: _____
Service Address: _____
City, State, ZIP: _____
Meter Number: _____

New Location Information (Service Account(s) listed by PG&E Service Agreement Number):

(The direct access service will occur at the New Location and, if only part of its business or operations is relocated, the Current Location may also continue to receive direct access service)

Service Agreement Number: _____
Service Address: _____
City, State, ZIP: _____
Meter Number: _____

Service Agreement Number: _____
Service Address: _____
City, State, ZIP: _____
Meter Number: _____

Service Agreement Number: _____
Service Address: _____
City, State, ZIP: _____
Meter Number: _____

(For more service accounts, please list the additional service accounts on a separate sheet and attach it to this form.)

Upon receipt by PG&E of the customer relocation declaration, PG&E shall review the information and notify ESP within five (5) business days either that (a) the relocation declaration has been accepted; or (b) PG&E has reasonable cause not to process the customer relocation declaration. Upon receiving notification of the relocation declaration's acceptance under subsection (a) above, ESP must submit a DASR to PG&E within sixty (60) days of either a) this relocation declaration's acceptance by PG&E or b) establishment of electric service at the New Location, whichever is later. Upon receiving denial notification from PG&E under subsection (b) above, PG&E and ESP shall confer as soon as possible to determine what additional information is required in order for the relocation declaration to be accepted. This document may be executed in counterparts and submitted by email, however PG&E reserves the right to request the original signature documents if needed.

Pacific Gas and Electric Company®

DIRECT ACCESS CUSTOMER RELOCATION DECLARATION — ATTACHMENT 2 —

CUSTOMER AFFIDAVIT

(To be completed each time a Direct Access Customer Relocation Declaration includes New Location(s) of wholly-owned or controlled subsidiaries of Customer, or campuses of the same public university system, community college district or public school district, with different Federal Taxpayer Identification Numbers.)

I, _____, state as follows:

1. I am an authorized representative of _____ ("Customer") and I am authorized to make this declaration.

2. I have personal knowledge of the matters set forth herein and if called upon as a witness could and would testify competently thereto.

3. Customer attests that the following entities are wholly-owned or controlled subsidiaries of Customer, or campuses of the same public university system, community college district or public school district, and have different Federal Taxpayer Identification Numbers (FTIN), but should be treated as a single entity for the purpose of transferring eligibility for Direct Access (DA) service and electric power service from its Current Location to a New Location in the normal course of business.

Legal Name Of Business	FTIN	Acquisition Date
1.		
2.		
3.		
4.		
5.		

(Please list the additional wholly-owned or controlled subsidiaries or school campuses on a separate sheet and attach it to this form.)

4. Customer understands that PG&E reserves the right to review the information being provided and may request additional documentation from Customer. If PG&E determines that the listed entities are not all wholly-owned or controlled by Customer, or campuses of the same public university system, community college district or public school district, at the time of the relocation request, PG&E may not process the customer relocation declaration or may rescind the assignment of DA eligibility and the associated relocation(s).

I declare under penalty of perjury under the laws of the State Of California that the foregoing is true and correct.
Executed this _____ day of _____, _____ at _____ , _____ [City, State]

Signature: _____
Authorized Representative of New Customer

Print Name: _____

Title: _____

Date: _____

Electric Sample Form No. 79-1069 Sheet 1
Generating Facility Interconnection Agreement (Multiple Tariff)

Please Refer to Attached Sample Form

GENERATING FACILITY INTERCONNECTION AGREEMENT (MULTIPLE TARIFF)

This *Generating Facility Interconnection Agreement (Multiple Tariff)* (Agreement) is entered into by and between _____ (Producer), and Pacific Gas and Electric Company (PG&E) a California Corporation. Producer and PG&E are sometimes also referred to in this Agreement jointly as "Parties" or individually as "Party." In consideration of the mutual promises and obligations stated in this Agreement and its attachments, the Parties agree as follows:

1. SCOPE AND PURPOSE

This Agreement provides for Producer to interconnect and operate a Generating Facility in parallel with PG&E's Distribution System to serve the electrical loads at the location identified in Section 2.4 (or for the qualifying energy where permitted under Section 218 of the California Public Utilities Code (PUC). The Generating Facility may be any combination of generators, but must include at least one "Eligible customer-generator." Eligible customer-generators consist of any Renewable Electrical Generation Facility(ies) (as defined in PG&E's Schedule NEM) or Eligible Fuel Cell Electrical Generating Facility(ies) (as defined in PG&E's Schedule NEMFC).

1.1. This Agreement provides for Producer to operate the Eligible Generator(s) pursuant to the provisions of Section 2827 et seq. of the PU Code and the applicable PG&E tariffs for net energy metering. This Agreement also provides for Producer to operate its Non-Eligible Generator(s). This Agreement does not provide for retail electrical service by PG&E to Producer. Such arrangements must be made separately between PG&E and Producer.

1.2. This Agreement does not address Producer's account billing and payment for energy consumption. For the Generating Facility as specified in Section 2 of this Agreement, please refer to the applicable PG&E net-energy-metered (NEM) tariff schedules for billing and payment protocol.

1.3. NEM Transition - Customers receiving service on the current NEM tariff prior to the date that PG&E reaches its NEM Cap or July 1, 2017, whichever is earlier are subject to the NEM Transition Provisions outlined in Rate Schedule NEM. Please see Rate Schedule NEM at: https://www.pge.com/tariffs/assets/pdf/tariffbook/ELEC_SCHEDS_NEM.pdf for more details.

2. SUMMARY AND DESCRIPTION OF PRODUCER'S GENERATING FACILITY

2.1 A description of the Generating Facility, including a summary of its significant components and a single-line diagram showing the general arrangement of how Producer's Generating Facility and loads are interconnected with PG&E's Distribution System, are attached to and made a part of this Agreement. (Supplied by Producer as Appendix A).

2.2 Generating Facility identification number: _____ (Assigned by PG&E).

2.3 Producer's electric service agreement ID number: _____ (Assigned by PG&E).

2.4 Name and address used by PG&E to locate the electric service account used to interconnect the Generating Facility with PG&E's Distribution System:

Name: _____

Address: _____

City/Zip Code: _____

2.5 The Gross Nameplate Rating of the Generating Facility is:

2.5.1 Eligible Generator(s):

biomass	_____kW	digester gas	_____kW
solar thermal	_____kW	municipal solid waste	_____kW
photovoltaic	_____kW	landfill gas	_____kW
wind	_____kW	ocean wave	_____kW
geothermal	_____kW	ocean thermal	_____kW
fuel cell	_____kW	tidal current	_____kW
small hydroelectric generation	_____kW		

2.5.2 Non-Eligible Generator(s): _____ kW

2.5.3 **Total Gross** Nameplate Rating of the Generating Facility: _____ kW

2.6 The Net Nameplate Rating of the Generating Facility is:

2.6.1 Eligible Renewable Electrical Generation Facility Generator(s):

biomass	_____kW	digester gas	_____kW
solar thermal	_____kW	municipal solid waste	_____kW
photovoltaic	_____kW	landfill gas	_____kW
wind	_____kW	ocean wave	_____kW
geothermal	_____kW	ocean thermal	_____kW
fuel cell	_____kW	tidal current	_____kW
small hydroelectric generation _____kW			

2.6.2 Non-Eligible Generator(s): _____ kW

2.6.3 **Total Net** Nameplate Rating of the Generating Facility: _____ kW

2.7 The maximum level of power that may be exported by the Generating Facility to PG&E's Distribution System is expected to be:

2.7.1 Eligible Generator(s):

biomass	_____kW	digester gas	_____kW
solar thermal	_____kW	municipal solid waste	_____kW
photovoltaic	_____kW	landfill gas	_____kW
wind	_____kW	ocean wave	_____kW
geothermal	_____kW	ocean thermal	_____kW
fuel cell	_____kW	tidal current	_____kW
small hydroelectric generation _____kW			

2.7.2 Non-Eligible Generator(s): _____ kW

2.7.3 **Total maximum level of power** that may be exported by the Generating Facility: _____ kW

2.8 the purpose of securing the Competition Transition Charge exemption available under Section 372 of the California Public Utilities Code (PUC), Producer hereby declares that the portion of the Generating Facility that is generating in a combined heat and power mode
☐ does / ☐ does not meet the requirements for Cogeneration as such term is used in Section 216.6 of the California Public Utilities Code.

2.9 The Generating Facility's expected date of Initial Operation is _____. The expected date of Initial Operation shall be within two years of the date of this Agreement.

2.10 For the purpose of securing certain tariff charge exemptions available under the PU Code, Producer hereby declares the following for each Generator technology of the Generating Facility:

Requirements for Distributed Energy Resource Generation as such term is used in Section 353.1 of the PU Code.

biomass	are met ☐ are not met ☐	digester gas	are met ☐ are not met ☐
solar thermal	are met ☐ are not met ☐	municipal solid waste	are met ☐ are not met ☐
photovoltaic	are met ☐ are not met ☐	landfill gas	are met ☐ are not met ☐
wind	are met ☐ are not met ☐	ocean wave	are met ☐ are not met ☐
geothermal	are met ☐ are not met ☐	ocean thermal	are met ☐ are not met ☐
fuel cell	are met ☐ are not met ☐	tidal current	are met ☐ are not met ☐
small hydroelectric generation	are met ☐ are not met ☐	biogas digester (under NEMBIO)	are met ☐ are not met ☐
fuel cell (under NEMFC)	are met ☐ are not met ☐	other technology	are met ☐ are not met ☐

2.11 What applicable rate schedule, known as the otherwise applicable schedule will be selected for the net-energy-metering account(s):

3. DOCUMENTS INCLUDED; DEFINED TERMS

3.1 This Agreement includes the following exhibits which are specifically incorporated herein and made a part of this Agreement.

Appendix A - Description of Generating Facility and Single-Line Diagram (Supplied by Producer).

Appendix B - Web-site references to Rules 2 and 21 and other selected rules and tariffs of PG&E (Supplied by PG&E).

Appendix C - A Copy of *PG&E's Agreement for Installation or Allocation of Special Facilities for Parallel Operation of Nonutility-Owned Generation and/or Electrical Standby Service* (Form 79-280) (Special Facility Agreement), if applicable, (Formed by the Parties).

Appendix D - Producer's warranty that the Generating Facility meets the requirements for a Cogeneration facility pursuant to Section 216.6 of the PU Code (when applicable).

Appendix E - Producer's warranty that the Generating Facility meets the requirements for Distributed Energy Resources Generation as defined in Section 353.1 of the PU Code (when applicable).

Appendix F - Listing of eligible service accounts, as defined in PG&E's Schedule NEMBIO and/or NEMFC to be included in Net Energy Metering calculations (when applicable).

Appendix G - Producer's warranty that it meets the requirements for an Eligible Biogas Digester Electrical Generating Facility, (applicable Generator(s) only) as defined in Section 2827.9 of the PU Code (when applicable).

Appendix H - Schedule NEM Customer-Generator Warranty that it Meets the Requirements for an Eligible Customer-Generator and is an Eligible Renewable Electrical Generation Facility Pursuant to Section 2827 of the California Public Utilities Code.

Appendix I -Operating Requirements for Energy Storage Device(s) (when applicable).

3.2 When initially capitalized, whether in the singular or in the plural, the terms used herein shall have the meanings assigned to them either in this Agreement or in PG&E's Rule 21 Section C.

4. TERM AND TERMINATION

4.1 This Agreement shall become effective as of the last date entered in Section 16, below. The Agreement shall continue in full force and effect until the earliest date that one of the following events occurs:

(a) The Parties agree in writing to terminate the Agreement, or

(b) Unless otherwise agreed in writing by the Parties, at 12:01 A.M. on the day following the date the electric service account through which Producer's Generating Facility is interconnected to PG&E's Distribution System is closed or terminated, or

(c) At 12:01 A.M. on the 61st day after Producer or PG&E provides written Notice pursuant to Section 9 below to the other Party of Producer's or PG&E's intent to terminate this Agreement.

4.2 Producer may elect to terminate this Agreement pursuant to the terms of Section 4.1(c) for any reason. PG&E may elect to terminate this Agreement pursuant to the terms of Section 4.1(c) for one or more of the following reasons:

(a) A change in applicable rules, tariffs, and regulations, as approved or directed by the California Public Utilities Commission "Commission," or a change in any local, state or federal law, statute or regulation, either of which materially alters or otherwise affects PG&E's ability or obligation to perform PG&E's duties under this Agreement; or,

(b) Unless otherwise agreed to in writing by the Parties, Producer fails to take all corrective actions specified in PG&E's Notice that Producer's Generating Facility is out of compliance with the terms of this Agreement within the time frame set forth in such Notice; or,

(c) Producer fails to interconnect and operate the Generating Facility per the terms of this Agreement prior to 120 days after the date set forth in Section 2.9, above, as the Generating Facility's expected date of Initial Operation; or,

(d) Producer abandons the Generating Facility. PG&E shall deem the Generating Facility to be abandoned if PG&E determines, in its reasonable opinion, the Generating Facility is non-operational and

Producer does not provide a substantive response to PG&E Notice of its intent to terminate this Agreement as a result of Producer's apparent abandonment of the Generating Facility affirming Producer's intent and ability to continue to operate the Generating Facility.

(e) Producer makes a change to the physical configuration of the Generating Facility, as declared in Section 2 and Appendix A of this Agreement.

4.3 Notwithstanding any other provisions of this Agreement, PG&E shall have the right to unilaterally file with the Commission, pursuant to the Commission's rules and regulations, an application to terminate this Agreement.

4.4 Any agreements attached to and incorporated into this Agreement shall terminate concurrently with this Agreement unless the Parties have agreed otherwise in writing.

5. GENERATING FACILITY AND OPERATING REQUIREMENTS

5.1 Except for that energy delivered to PG&E's Distribution System, electric energy produced by Producer's Generating Facility shall be used solely to serve electrical loads connected to the electric service account that PG&E uses to interconnect Producer's Generating Facility (or, where permitted under Section 218 of the PUC, the electric loads of an on-site or neighboring party lawfully connected to Producer's Generating Facility through Producer's circuits). Producer shall not use the Generating Facility to serve electrical loads that will cause Producer to be considered an "electrical corporation" as such term is used in Section 218 of the California Public Utilities Code.

5.2 Unless otherwise agreed upon in writing by the Parties, this Agreement does not provide for, nor otherwise require PG&E to purchase, transmit, distribute, or store the electrical energy produced by Producer's Generating Facility.

5.3 Producer is responsible for operating the Generating Facility in compliance with all of PG&E's tariffs, including but not limited to PG&E's Rule 21 and applicable NEM tariff schedules, and applicable safety and performance standards established by the National Electric Code, Institute of Electrical and Electronic Engineers, accredited testing laboratories such as Underwriters Laboratories, rules of the Commission regarding safety and reliability, and any other regulations and laws governing the Interconnection of the Generating Facility.

5.4 Producer shall: (a) maintain the Generating Facility and Interconnection Facilities in a safe and prudent manner and in conformance with all

applicable laws and regulations including, but not limited to, Section 5.3, and (b) obtain any governmental authorizations and permits required for the construction and operation of the Generating Facility and Interconnection Facilities. Producer shall reimburse PG&E for any and all losses, damages, claims, penalties, or liability it incurs as a result of Producer's failure to obtain or maintain any governmental authorizations and permits required for construction and operation of Producer's Generating Facility.

5.5 Producer shall not commence parallel operation of the Generating Facility until PG&E has provided express written approval. Such approval shall normally be provided per the timelines established by the applicable PUC 2827 section, or by Rule 21. Such approval will be provided after PG&E's receipt of: (1) a completed Generating Facility Interconnection Application for Non-Export or Certain Net Energy Metered Generating Facilities (Between 30 KW and 1,000 KW) (Form 79-974), including all supporting documents and payments as described in the Application; (2) any required NEM supplemental application forms; (3) a signed and completed Generating Facility Interconnection Agreement (Multiple Tariff) (Form 79-1069); (4) a copy of the Producer's final inspection clearance from the governmental authority having jurisdiction over the Generating Facility; and (5) submission of all applicable payments for reviews, studies, Interconnection Facilities, and Distribution System Modifications. Such approval will not be unreasonably withheld. PG&E shall have the right to have representatives present at the Commissioning Test as defined in Rule 21. Producer shall notify PG&E at least five (5) business days prior to the initial testing.

5.6 In no event shall the delivery of the maximum electric power to PG&E's Distribution System exceed the amount or other limitations specified in Section 2 and Appendix A of this Agreement. If Producer does not regulate its Generating Facility in compliance with the limitations set forth in this Agreement, PG&E may require Producer to disconnect its Generating Facility from PG&E's Distribution System until Producer demonstrates to PG&E's reasonable satisfaction that Producer has taken adequate measures to regulate the output of its Generating Facility and control its deliveries of electric power to PG&E. Further, should PG&E determine that Producer's operation of the Generating Facility is causing an unsafe condition or is adversely affecting PG&E's ability to utilize its Distribution System in any manner, even if Producer's deliveries of electric power to PG&E's Distribution System are within the limitations specified in this Agreement, PG&E may require Producer to temporarily or permanently reduce or cease deliveries of electric power to PG&E's Distribution System. Alternatively, the Parties may agree to other corrective measures so as to mitigate the effect of electric power flowing from the Generating Facility to PG&E's Distribution System. Producer's failure to comply with the terms of this Section shall constitute a

material breach of this Agreement and PG&E may initiate termination in accordance with the terms of Section 4.2(b).

5.7 Producer shall not deliver reactive power to PG&E's Distribution System unless the Parties have agreed otherwise in writing.

5.8 The Generating Facility shall be operated with all of Producer's Protective Functions in service whenever the Generating Facility is operated in parallel with PG&E's Distribution System. Any deviation from these requirements may occur only when the Parties have agreed to such deviations in writing.

5.9 If Producer declares that its Generating Facility meets the requirements for Cogeneration as such term is used in Section 216.6 of the PUC (or any successor definition of Cogeneration (Cogeneration Requirements), Producer warrants that, beginning on the date of Initial Operation and continuing throughout the term of this Agreement, its Generating Facility shall continue to meet such Cogeneration Requirements, per Appendix D of this Agreement.

5.10 If Producer's Generating Facility includes any energy storage device(s), Distribution Provider may provide requirements that must be met by the Producer prior to initiating Parallel Operation with PG&E's Distribution System and throughout the term of this Agreement, including but not limited to the requirements set forth in Appendix I of this Agreement.

5.11 Smart Inverters

For Producer applications received on or after September 9, 2017, the Producer certifies that their inverter-based Generating Facilities fully comply with Section Hh of Rule 21, including configuration of protective settings and default settings, in accordance with the specifications therein.

Distribution Provider may require a field verification of the Producer's inverter. Producer further agrees to cooperate fully with any such request and make their inverter available to the Distribution Provider for such verification. Producer understands that in the event the inverter is not set in accordance with Section Hh of Rule 21, Producer will need to cease operation of generating facility until verification is confirmed by Distribution Provider.

(Solar inverter models and firmware versions that comply with Rule 21 Section Hh can be found at:
https://www.energy.ca.gov/programs-and-topics/topics/renewable-energy/solar-equipment-lists.)

Verification of compliance with such requirements shall be provided by the Producer upon request by PG&E in accordance with PG&E's Electric Rule 21.

An "existing inverter" is defined as an inverter that is a component of an existing Generating Facility that meets one or more of the following conditions:

(a) it is already approved by PG&E for interconnection prior to September 9, 2017

(b) the Producer has submitted the interconnection application prior to September 9, 2017,

(c) the Producer provides evidence of having applied for an electrical permit for the Generating Facility installation that is dated prior to September 9, 2017 and submitted a complete interconnection application[1] no later than March 31, 2018, or

(d) the Producer provides evidence of a final inspection clearance from the governmental authority having jurisdiction over the Generating Facility prior to September 9, 2017.

All "existing inverters" are not required to be Smart Inverters and are only subject to Section H of Rule 21. Producer replacing an "existing inverter" certifies it is being replaced with either:

(i) inverter equipment that complies with Section Hh of Rule 21, (encouraged); or

(ii) a conventional inverter that is of the same size and equivalent ability to that of the inverter being replaced, as allowed in Rule 21 Section H.3.d.ii.

6. INTERCONNECTION FACILITIES

6.1 Producer and/or PG&E, as appropriate, shall provide Interconnection Facilities that adequately protect PG&E's Distribution System, personnel, and other persons from damage or injury, which may be caused by the operation of Producer's Generating Facility.

[1] A complete application consists all of the following without deficiencies:
1. A completed Interconnection Application including all supporting documents and required payments,
2. A completed signed Interconnection Agreement,
3. Evidence of the Producer final inspection clearance from the governmental authority having jurisdiction over the generating system.

6.2 Producer shall be solely responsible for the costs, design, purchase, construction, operation, and maintenance of the Interconnection Facilities that Producer owns.

6.3 If the provisions of PG&E's Rule 21, or any other tariff or rule approved by the Commission, requires PG&E to own and operate a portion of the Interconnection Facilities, Producer and PG&E shall promptly execute a Special Facilities Agreement that establishes and allocates responsibility for the design, installation, operation, maintenance, and ownership of the Interconnection Facilities. This Special Facilities Agreement shall be attached to and made a part of this Agreement as Appendix C.

6.4 The Interconnection Facilities may include Net Generation Output Metering for determination of standby charges and applicable non-bypassable charges, and/or other meters required for PG&E's administration and billing pursuant to PG&E's tariffs for net energy metering.

7. LIMITATION OF LIABILITY

Each Party's liability to the other Party for any loss, cost, claim, injury, liability, or expense, including reasonable attorney's fees, relating to or arising from any act or omission in its performance of this agreement, shall be limited to the amount of direct damage actually incurred. In no event shall either Party be liable to the other Party for any indirect, special, consequential, or punitive damages of any kind whatsoever.

8. INSURANCE

8.1 In connection with Producer's performance of its duties and obligations under this Agreement, Producer shall maintain, during the term of this Agreement, general liability insurance with a combined single limit of not less than:

(a) Two million dollars ($2,000,000) for each occurrence if the Gross Nameplate Rating of Producer's Generating Facility is greater than one hundred (100) kW;

(b) One million dollars ($1,000,000) for each occurrence if the Gross Nameplate Rating of Producer's Generating Facility is greater than twenty (20) kW and less than or equal to one hundred (100) kW; and

(c) Five hundred thousand dollars ($500,000) for each occurrence if the Gross Nameplate Rating of Producer's Generating Facility is twenty (20) kW or less.

(d) Two hundred thousand dollars ($200,000) for each occurrence if the Gross Nameplate Rating of Producer's Generating Facility is ten (10) kW or less and Producer's Generating Facility is connected to an account receiving residential service from PG&E.

Such general liability insurance shall include coverage for "Premises-Operations, Owners and Contractors Protective, Products/Completed Operations Hazard, Explosion, Collapse, Underground, Contractual Liability, and Broad Form Property Damage including Completed Operations."

8.2 The general liability insurance required in Section 8.1 shall, by endorsement to the policy or policies, (a) include PG&E as an additional insured; (b) contain a severability of interest clause or cross-liability clause; (c) provide that PG&E shall not by reason of its inclusion as an additional insured incur liability to the insurance carrier for payment of premium for such insurance; and (d) provide for thirty (30) calendar days' written notice to PG&E prior to cancellation, termination, alteration, or material change of such insurance.

8.3 If Producer's Generating Facility employs solely of Renewable Electrical Generation Facilities the requirements of Section 8.1 shall be waived. However, to the extent that Producer has currently in force Commercial General Liability or Personal (Homeowner's) Liability insurance, Producer agrees that it will maintain such insurance in force for the duration of this Agreement in no less than amounts currently in effect. PG&E shall have the right to inspect or obtain a copy of the original policy or policies of insurance prior to commencing operations. Such insurance shall provide for thirty (30) calendar days written notice to PG&E prior to cancellation, termination, alteration, or material change of such insurance.

8.4 Evidence of the insurance required in Section 8.2 shall state that coverage provided is primary and is not in excess to or contributing with any insurance or self-insurance maintained by PG&E.

8.5 Producer agrees to furnish the required certificates and endorsements to PG&E prior to Initial Operation. PG&E shall have the right to inspect or obtain a copy of the original policy or policies of insurance.

8.6 If Producer is self-insured with an established record of self-insurance, Producer may comply with the following in lieu of Sections 8.1 through 8.4:

(a) Producer shall provide to, PG&E, at least thirty (30) calendar days prior to the date of Initial Operation, evidence of an acceptable plan to self-insure to a level of coverage equivalent to that required under Section 8.1.

(b) If Producer ceases to self-insure to the level required hereunder, or if Producer are unable to provide continuing evidence of Producer's ability to self-insure, Producer agrees to immediately obtain the coverage required under Section 8.1.

8.7 All insurance certificates, statements of self-insurance, endorsements, cancellations, terminations, alterations, and material changes of such insurance shall be issued and submitted via email or fax to the following:

Pacific Gas and Electric Company
c/o EXIGIS LLC
support@exigis.com
Fax: 646-755-3327

9. NOTICES

9.1 Any written notice, demand, or request required or authorized in connection with this Agreement (Notice) shall be deemed properly given if delivered in person or sent by first class mail, postage prepaid, to the address specified below:

If to PG&E:
[Contact information to be supplied]

If to Producer:
[Contact information to be supplied]

9.2 A Party may change its address for Notices at any time by providing the other Party Notice of the change in accordance with Section 9.1.

9.3 The Parties may also designate operating representatives to conduct the daily communications, which may be necessary or convenient for the administration of this Agreement. Such designations, including names, addresses, and phone numbers may be communicated or revised by one Party's Notice to the other.

10. REVIEW OF RECORDS AND DATA

10.1 PG&E shall have the right to review and obtain copies of Producer's operations and maintenance records, logs, or other information such as, unit availability, maintenance outages, circuit breaker operation requiring manual reset, relay targets and unusual events pertaining to Producer's Generating Facility or its interconnection with PG&E's Distribution System.

10.2 Producer authorizes to release to the California Energy Commission (CEC) information regarding Producer's facility, including customer name, location, size, and operational characteristics of the unit, as requested from time to time pursuant to the CEC's rules and regulations.

11. ASSIGNMENT

Producer shall not voluntarily assign its rights nor delegate its duties under this Agreement without PG&E's written consent. Any assignment or delegation Producer makes without PG&E's written consent shall not be valid. PG&E shall not unreasonably withhold its consent to Producer's assignment of this Agreement.

12. NON-WAIVER

None of the provisions of this Agreement shall be considered waived by a Party unless such waiver is given in writing. The failure of a Party to insist in any one or more instances upon strict performance of any of the provisions of this Agreement or to take advantage of any of its rights hereunder shall not be construed as a waiver of any such provisions or the relinquishment of any such rights for the future, but the same shall continue and remain in full force and effect.

13. GOVERNING LAW, JURISDICTION OF COMMISSION, INCLUSION OF PG&E's TARIFF SCHEDULES AND RULES

13.1 This Agreement shall be interpreted, governed, and construed under the laws of the State of California as if executed and to be performed wholly within the State of California without giving effect to choice of law provisions that might apply to the law of a different jurisdiction.

13.2 This Agreement shall, at all times, be subject to such changes or modifications by the Commission as it may from time to time direct in the exercise of its jurisdiction.

13.3 The interconnection and services provided under this Agreement shall at all times be subject to the terms and conditions set forth in the Tariff Schedules and Rules applicable to the electric service provided by, PG&E, which Tariff

Schedules and Rules are hereby incorporated into this Agreement by this reference.

13.4 Notwithstanding any other provisions of this Agreement, PG&E shall have the right to unilaterally file with the Commission, pursuant to the Commission's rules and regulations, an application for change in rates, charges, classification, service, tariff or rule or any agreement relating thereto.

14. AMENDMENT AND MODIFICATION

This Agreement can only be amended or modified in writing, signed by both Parties.

15. ENTIRE AGREEMENT

This Agreement, including any incorporated Tariff Schedules and rules, contains the entire agreement and understanding between the Parties, their agents, and employees as to the subject matter of this Agreement. Each party also represents that in entering into this Agreement, it has not relied on any promise, inducement, representation, warranty, agreement or other statement not set forth in this Agreement or in the incorporated tariff schedules and rules.

16. SIGNATURES

IN WITNESS WHEREOF, the Parties hereto have caused two originals of this Agreement to be executed by their duly authorized representatives. This Agreement is effective as of the last date set forth below.

	PACIFIC GAS AND ELECTRIC COMPANY
(Company Name)	
(Signature)	*(Signature)*
(Print Name)	*(Print Name)*
(Title)	*(Title)*
(Date)	*(Date)*

APPENDIX A

DESCRIPTION OF GENERATING FACILITY AND SINGLE-LINE DIAGRAM (Provided by Producer)

(Note: The Description of the Generating Facility should include, but not limited to, for each of the technology types of generation: spatial configuration, net and gross nameplate ratings, manufacturer, if the generators are certified under Rule 21, protection equipment, and intended mode of operation [i.e. non-export: export up to 2 seconds; inadvertent export: export between 2 seconds and 60 seconds; and continuous export: export greater than 60 seconds]. Additionally points of interconnection with PG&E, as well as locations and type of protection equipment and disconnect switches should be identified.)

APPENDIX B

RULES "2" AND "21"

(Note: PG&E's electric Rules "2" and "21" may be subject to such changes or modifications by the Commission as the Commission may, from time to time, direct in the exercise of its jurisdiction. PG&E's tariffs, including Rules "2" and "21" can be accessed via the PG&E website at **www.pge.com/tariffs**. Upon request, PG&E can provide copies to Producer of Rules "2" and "21.")

APPENDIX C (If Applicable)

RULE 21 "SPECIAL FACILITIES" AGREEMENT
(Formed between the Parties)

APPENDIX D (When applicable)

PRODUCER'S WARRANTY THAT THE GENERATING FACILITY IS A "COGENERATION FACILITY" PURSUANT TO SECTION 216.6 OF THE CALIFORNIA PUBLIC UTILITIES CODE

For the purpose of securing the Competition Transition Charge exemption available under Section 372 of the PU Code, Producer hereby declares that the Generating Facility meets the requirements for Cogeneration as such term is used in Section 216.6 of the PU Code (Cogeneration Requirements).

Producer warrants that, beginning on the date of Initial Operation and continuing throughout the term of this Agreement, the Generating Facility shall continue to meet the Cogeneration Requirements. If Producer becomes aware that its Generating Facility has ceased to meet the Cogeneration Requirements, Producer shall promptly provide PG&E with Notice of such change pursuant to Section 9.1 of the Agreement. If at any time during the term of this Agreement PG&E determines in its reasonable discretion that Producer's Generating Facility may no longer meet the Cogeneration Requirements, PG&E may require Producer to provide evidence that the Generating Facility continues to meet the Cogeneration Requirements within 15 business days of PG&E's request for such evidence. Additionally, PG&E may periodically (typically, once per year) inspect Producer's Generating Facility and/or require documentation from Producer to monitor the Generating Facility's compliance with the Cogeneration Requirements. If PG&E determines in its reasonable judgment that Producer either failed to provide evidence in a timely manner or that it provided insufficient evidence that its Generating Facility continues to meet the Cogeneration Requirements, then the Cogeneration status of the Generating Facility shall be deemed ineffective until such time as Producer again demonstrates to PG&E's reasonable satisfaction that the Generating Facility meets the requirements for a Cogeneration facility (the Cogeneration Status Change).

PG&E shall revise its records and the administration of this Agreement to reflect the Cogeneration Status Change and provide Notice to Producer of the Cogeneration Status Change pursuant to Section 9.1 of this Agreement. Such Notice shall specify the effective date of the Cogeneration Status Change. This date shall be the first day of the calendar year for which PG&E determines in its reasonable discretion that the Generating Facility first ceased to meet the Cogeneration Requirements. PG&E shall invoice the Producer's electric service account through which the Generating Facility is Interconnected with PG&E's Distribution System for Competition Transition Charges (CTCs) that were not previously billed during the period between the effective date of the Status Change and the date of the Notice in reliance upon Producer's representations that the Generating Facility complied with the Cogeneration Requirements and therefore was eligible for the exemption from CTCs available under Section 372 of the PU Code.

Any amounts to be paid or refunded by Producer, as may be invoiced by PG&E pursuant to the terms of this warranty, shall be paid to PG&E within 30 days of Producer's receipt of such invoice.

APPENDIX E (When applicable)

PRODUCER'S WARRANTY THAT THE GENERATING FACILITY IS A "DISTRIBUTED ENERGY RESOURCES GENERATION" FACILITY PURSUANT TO SECTION 353.1 OF THE CALIFORNIA PUBLIC UTILITIES CODE

For the purpose of securing the tariff charge exemption available under Section 353.3 of the PU Code, Producer hereby declares that the Generating Facility meets the requirements for Distributed Energy Resources Generation as such term is used in Section 353.1 of the PU Code (DERG Requirements).

Producer warrants that, beginning on the date of Initial Operation and continuing throughout the term of this Agreement, its Generating Facility shall continue to meet the DERG Requirements. If Producer becomes aware that the Generating Facility has ceased to meet the DERG Requirements, Producer shall promptly provide PG&E with Notice of such change pursuant to Section 9.1 of the Agreement. If at any time during the term of this Agreement PG&E determines in its reasonable discretion that Producer's Generating Facility may no longer meet the DERG Requirements, PG&E may require Producer to provide evidence that the Generating Facility continues to meet the DERG Requirements within 15 business days of PG&E's request for such evidence. Additionally, PG&E may periodically (typically, once per year) inspect Producer's Generating Facility and/or require documentation from Producer to monitor the Generating Facility's compliance with the DERG Requirements. If PG&E determines in its reasonable judgment that Producer either failed to provide evidence in a timely manner or that it provided insufficient evidence that its Generating Facility continues to meet the DERG Requirements, then the Distributed Energy Resources Generation status of the Generating Facility shall be deemed ineffective until such time as Producer again demonstrates to PG&E's reasonable satisfaction that the Generating Facility meets the requirements for a Distributed Energy Resources Generation facility (the DERG Status Change).

PG&E shall revise its records and the administration of this Agreement to reflect the DERG Status Change and provide Notice to Producer of the DERG Status Change pursuant to Section 9.1 of this Agreement. Such Notice shall specify the effective date of the DERG Status Change. This date shall be the first day of the calendar year for which PG&E determines in its reasonable discretion that the Generating Facility first ceased to meet the DERG Requirements. PG&E shall invoice the Producer electric service account through which the Generating Facility is Interconnected with PG&E's Distribution System for any tariff charges that were not previously billed during the period between the effective date of the DERG Status Change and the date of the Notice in reliance upon Producer's representations that the Generating Facility complied with the DERG Requirements and therefore was eligible for the exemption from tariff charges available under Section 353.3 of the PU Code.

Any amounts to be paid or refunded by Producer, as may be invoiced by PG&E pursuant to the terms of this warranty, shall be paid to PG&E within 30 days of Producer's receipt of such invoice.

APPENDIX F (When applicable)

LIST OF ELIGIBLE ACCOUNTS TO BE INCLUDED IN NET ENERGY METERING CALCULATIONS PURSUANT TO SCHEDULE NEMBIO OR NEMFC SPECIAL CONDITION 4

Please use a separate sheet for each NEMBIO and/or NEMFC billing arrangement group, include the NEMBIO or NEMFC generator account information and clearly indicate which Eligible Accounts are to be associated with each listed NEMBIO or NEMFC generator account.

Service Agreement ID Number	Address (Street, City, Zip Code)

Sheet _____ of _____

APPENDIX G (When applicable)

PRODUCER'S WARRANTY THAT THE GENERATING FACILITY IS AN ELIGIBLE BIOGAS ELECTRICAL GENERATING FACILITY PURSUANT TO SECTION 2827.9 OF THE CALIFORNIA PUBLIC UTILITIES CODE

Producer has declared that the Generating Facility meets the requirements for an Eligible Biogas Electrical Generating Facility, as defined in Section 2827.9 of the California Public Utilities Code (Eligibility Requirements).

Producer warrants that, beginning on the date of Initial Operation and continuing throughout the term of this Agreement, its Generating Facility shall continue to meet the Eligibility Requirements. If Producer becomes aware that the Generating Facility has ceased to meet the Eligibility Requirements, Producer shall promptly provide PG&E with Notice of such change pursuant to Section 9.1 of the Agreement. If at any time during the term of this Agreement PG&E determines in its reasonable discretion that Producer's Generating Facility may no longer meet the Eligibility Requirements, PG&E may require Producer to provide evidence that the Generating Facility continues to meet the Eligibility Requirements within 15 business days of PG&E's request for such evidence. Additionally, PG&E may periodically (typically, once per year) inspect Producer's Generating Facility and/or require documentation from Producer to monitor the Generating Facility's compliance with the Eligibility Requirements. If PG&E determines in its reasonable judgment that Producer either failed to provide evidence in a timely manner or that it provided insufficient evidence that its Generating Facility continues to meet the Eligibility Requirements, then the Distributed Energy Resources Generation status of the Generating Facility shall be deemed ineffective until such time as Producer again demonstrates to PG&E's reasonable satisfaction that the Generating Facility meets the requirements for a Distributed Energy Resources Generation facility (the Eligibility Status Change).

PG&E shall revise its records and the administration of this Agreement to reflect the Eligibility Status Change and provide Notice to Producer of the Eligibility Status Change pursuant to Section 9.1 of this Agreement. Such Notice shall specify the effective date of the Eligibility Status Change. This date shall be the first day of the calendar year for which PG&E determines in its reasonable discretion that the Generating Facility first ceased to meet the Eligibility Requirements. PG&E shall invoice the Producer for any tariff charges that were not previously billed during the period between the effective date of the Eligibility Status Change and the date of the Notice in reliance upon Producer's representations that the Generating Facility complied with the Eligibility Requirements and therefore was eligible for the rate treatment available under the Net Energy Metering provisions of PG&E's Schedule NEM-BIO, Experimental Biogas Net Energy Metering.

Any amounts to be paid or refunded by Producer, as may be invoiced by PG&E pursuant to the terms of this warranty, shall be paid to PG&E within 30 days of Producer's receipt of such invoice.

Appendix H

SCHEDULE NEM CUSTOMER-GENERATOR WARRANTY THAT IT MEETS THE REQUIREMENTS FOR AN ELIGIBLE CUSTOMER-GENERATOR AND IS AN ELIGIBLE RENEWABLE ELECTRICAL GENERATION FACILITY PURSUANT TO SECTION 2827 OF THE CALIFORNIA PUBLIC UTILITIES CODE

(This Affidavit needs to be completed and submitted to PG&E by the Customer-Generator every time a new NEM interconnection agreement for a Renewable Electrical Generation Facility is executed or whenever there is a change in ownership of the Generating Facility).

Circle Type of Renewable Electrical Generation Facility:

biomass	geothermal	municipal solid waste
solar thermal	fuel cell	landfill gas
small hydroelectric generation	ocean wave	digester gas
ocean thermal	tidal current	

NEM Customer-Generator (Customer) declares that

(1) it meets the requirements to be an “Eligible Customer-Generator” and its Generating Facility.

(2) (a) meets the requirements of an “Renewable Electrical Generation Facility”, as defined in Section 2827(b)(5) of the California Public Utilities Code and (b) satisfies the definitions of the renewable resource for the Renewable Electrical Generation Facility in the latest version of the California Energy Commission’s (CEC’s) Renewables Portfolio Standard (RPS) Eligibility Guidebook and the Overall Program Guidebook. [2] (Eligibility Requirements).

[2] The RPS Guidebooks can be found at: https://www.energy.ca.gov/programs-and-topics/programs/renewables-portfolio-standard

Included in these eligibility requirements (check as applicable) pursuant to Public Utilities Code section 2827(b)(5) and Public Resource Code Section 25741 paragraph 1(a):

- ❑ If the Renewable Electrical Generation Facility is a fuel cell, or otherwise uses renewable biogas or otherwise, Eligible Customer-Generator warrants that the fuel cell is powered solely with renewable fuel.

- ❑ If the Renewable Electrical Generation Facility is a Small hydroelectric generating facility, customer warrants that it will not cause an adverse impact on instream beneficial uses, nor cause a change in the volume or timing of streamflow).

If the Customer uses biogas or a renewable fuel as the fuel for their Renewable Electrical Generation Facility:

- ❑ Eligible Customer-Generator warrants that the Renewable Electrical Generation Facility is powered solely with renewable fuel.

Eligible Customer-Generator warrants that, beginning on the date of Initial Operation and continuing throughout the term of this Agreement, Eligible Customer-Generator and the Generating Facility shall continue to meet the Eligibility Requirements. If Eligible Customer-Generator or the Generating Facility ceases to meet the Eligibility Requirements, Eligible Customer-Generator shall promptly provide PG&E with Notice of such change pursuant to Section 11 of this Agreement. If at any time during the term of this Agreement PG&E determines, at its reasonable discretion, that Eligible Customer-Generator or Generating Facility may no longer meet the Eligibility Requirements, PG&E may require Eligible Customer-Generator to provide evidence, that Eligible Customer-Generator and/or Generating Facility continues to meet the Eligibility Requirements, within 20 business days of PG&E's request for such evidence. Additionally, PG&E may periodically (typically, once per year) inspect Producer's Generating Facility and/or require documentation from Eligible Customer-Generator to monitor the Generating Facility's compliance with the Eligibility Requirements – PG&E will provide a minimum of 10 business days notice to the Eligible Customer-Generator should PG&E decide an inspection is required. If PG&E determines in its reasonable judgment that Eligible Customer-Generator either failed to provide evidence in a timely manner or that it provided insufficient evidence that its Generating Facility continues to meet the Eligibility Requirements, then the Eligibility Status shall be deemed ineffective until such time as Eligible Customer-Generator again demonstrates to PG&E's reasonable satisfaction that Eligible Customer-Generator meets the requirements for an Eligible Customer–Generator and/or the Generating Facility meets the requirements for a Eligible electrical generating facility (the Eligibility Status Change).

PG&E shall revise its records and the administration of this Agreement to reflect the Eligibility Status Change and provide Notice to Eligible Customer-Generator of the Eligibility Status Change pursuant to Section 11 of this Agreement. Such Notice shall specify the effective date of the Eligibility Status Change. This date shall be the first day of the calendar year for which PG&E determines in its reasonable discretion that the Eligible Customer-Generator and/or Generating Facility first ceased to meet the

Eligibility Requirements. PG&E shall invoice the Eligible Customer-Generator for any tariff charges that were not previously billed during the period between the effective date of the Eligibility Status Change and the date of the Notice in reliance upon Eligible Customer-Generator's representations that Eligible Customer-Generator and/or Generating Facility complied with the Eligibility Requirements and therefore was eligible for the rate treatment available under the Net Energy Metering provisions of PG&E's Schedule NEM Net Energy Metering Service for Eligible Customer-Generators.

Any amounts to be paid or refunded by Eligible Customer-Generator, as may be invoiced by PG&E pursuant to the terms of this warranty, shall be paid to PG&E within 30 days of Eligible Customer-Generator's receipt of such invoice.

Unless otherwise ordered by the CPUC, this Agreement at all times shall be subject to such modifications as the CPUC may direct from time to time in the exercise of its jurisdiction.

I certify the above is true and correct,

Customer-Generator Signature: _____

Name: _____

Title: _____

Date: _____

APPENDIX I
(If Applicable)

OPERATING REQUIREMENTS FOR ENERGY STORAGE DEVICE(S)

The following Operating Requirement(s) apply to the charging functions of the Generating Facility:

❑ Producer's storage device(s) will not consume power from Distribution Provider's Distribution System at any time.

❑ Producer's storage device(s) will not cause the Host Load to exceed its normal peak demand. Normal peak demand is defined as the highest amount of power required from the Distribution System by Producer's complete facilities without the influence or use of the energy storage device(s).

❑ To avoid upgrades or other technical mitigation items identified in the interconnection process, Producer has chosen the following Generating Facility operating constraint(s):

For the annual period between _____ [Month/Day] and _____ [Month/Day]
And during the hours of _____
The storage device(s) will consume no more than a total of ___ kW from the Distribution System.
This operating constraint voids the need for the following specific mitigation scope:

No other charging function limitation is required for this Generating Facility except the requirements above. Producer will be responsible for the costs of the corresponding upgrades or other technical mitigations if at any time the Producer elects to forego or violates the operating requirement.

Consistent with current load service Rules, Distribution Provider is not required to reserve capacity for load. Producer is responsible to contact the utility for any modification to its equipment or change in operations that may result in increased load demand per Electric Rule 3.C.

If any operating requirement is specified above, Distribution Provider reserves the right to ask for data at the 15-minute interval level at any time to verify that the operating requirement is being met. Distribution Provider will make such request via a written notice no more than once per calendar quarter. Producer must provide such data within 30 Calendar Days of the written request.

If the Generating Facility fails to adhere to the operating requirements at any time, it will be disconnected immediately in accordance with Rule 21 Section D.9 and not reconnected until an approved mitigation (e.g., supervising controls) is in place as determined by Distribution Provider.

Electric Sample Form No. 79-1069-02 Sheet 1
Generating Facility Interconnection Agreement (Multiple Tariff NEM2MT)

Please Refer to Attached Sample Form

GENERATING FACILITY INTERCONNECTION AGREEMENT (MULTIPLE TARIFF NEM2MT)

This *Generating Facility Interconnection Agreement (Multiple Tariff NEM2MT)* (Agreement) is entered into by and between _____ (Producer), and Pacific Gas and Electric Company (PG&E) a California Corporation. Producer and PG&E are sometimes also referred to in this Agreement jointly as "Parties" or individually as "Party." In consideration of the mutual promises and obligations stated in this Agreement and its attachments, the Parties agree as follows:

1. SCOPE AND PURPOSE

This Agreement provides for Producer to interconnect and operate a Generating Facility in parallel with PG&E's Electric System to serve the electrical loads at the location identified in Section 2.4 (or for the qualifying energy where permitted under Section 218 of the California Public Utilities Code (PUC). The Generating Facility must be a combination of generators, but must include at least one NEM2 "Eligible customer-generator." (as defined in PG&E's Schedule NEM2). "Eligible customer-generator" may also include other eligible customer-generators such as NEM2 Renewable Electrical Generation Facility(ies), Renewable Electrical Generation Facility(ies) (as defined in PG&E's Schedule NEM) or Eligible Fuel Cell Electrical Generating Facility(ies) (as defined in PG&E's Schedule NEMFC), as allowed under Special Condition 4 of Schedule NEM2.

1.1. This Agreement provides for Producer to operate the Eligible Generator(s) pursuant to the provisions of Section 2827.1 et seq. of the PU Code and the applicable PG&E tariffs for net energy metering. This Agreement also provides for Producer to operate its Non-Eligible Generator(s). This Agreement does not provide for retail electrical service by PG&E to Producer. Such arrangements must be made separately between PG&E and Producer.

1.2. This Agreement does not address Producer's account billing and payment for energy consumption. For the Generating Facility as specified in Section 2 of this Agreement, please refer to the applicable PG&E net-energy-metered (NEM and/or NEM2) tariff schedules for billing and payment protocol.

2. SUMMARY AND DESCRIPTION OF PRODUCER'S GENERATING FACILITY

2.1 A description of the Generating Facility, including a summary of its significant components and a single-line diagram showing the general arrangement of how Producer's Generating Facility and loads are interconnected with PG&E's Electric System, are attached to and made a part of this Agreement. (Supplied by Producer as Appendix A).

2.2 Generating Facility identification number: _____ (Assigned by PG&E).

2.3 Producer's electric service agreement ID number: _____ (Assigned by PG&E).

2.4 Name and address used by PG&E to locate the electric service account used to interconnect the Generating Facility with PG&E's Electric System:

Name: _____

Address: _____

City/Zip Code: _____

2.5 The Gross Nameplate Rating of the Generating Facility is:

2.5.1 Eligible Generator(s):

biomass	_____kW	digester gas	_____kW
solar thermal	_____kW	municipal solid waste	_____kW
photovoltaic	_____kW	landfill gas	_____kW
wind	_____kW	ocean wave	_____kW
geothermal	_____kW	ocean thermal	_____kW
fuel cell	_____kW	tidal current	_____kW
small hydroelectric generation _____kW		Storage/Batteries (NEM eligible only) _____amp hours _____ inverter kW	

2.5.2 Non-Eligible Generator(s): _____ kW

2.5.3 **Total Gross** Nameplate Rating of the Generating Facility: _____ kW

2.6 The Net Nameplate Rating of the Generating Facility is:

2.6.1 Eligible Renewable Electrical Generation Facility Generator(s):

biomass	_____kW	digester gas	_____kW
solar thermal	_____kW	municipal solid waste	_____kW
photovoltaic	_____kW	landfill gas	_____kW
wind	_____kW	ocean wave	_____kW
geothermal	_____kW	ocean thermal	_____kW
fuel cell	_____kW	tidal current	_____kW
small hydroelectric generation _____kW		Storage/Batteries (NEM eligible only) _____amp hours _____ inverter kW	

2.6.2 Non-Eligible Generator(s): _____ kW

2.6.3 **Total Net** Nameplate Rating of the Generating Facility: _____ kW

2.7 The maximum level of power that may be exported by the Generating Facility to PG&E's Electric System is expected to be:

2.7.1 Eligible Generator(s):

biomass	_____kW	digester gas	_____kW
solar thermal	_____kW	municipal solid waste	_____kW
photovoltaic	_____kW	landfill gas	_____kW
wind	_____kW	ocean wave	_____kW
geothermal	_____kW	ocean thermal	_____kW
fuel cell	_____kW	tidal current	_____kW
small hydroelectric generation _____kW		Storage/Batteries (NEM eligible only) _____amp hours _____ inverter kW	

2.7.2 Non-Eligible Generator(s): _____ kW

2.7.3 **Total maximum level of power** that may be exported by the Generating Facility: _____ kW

2.8 the purpose of securing the Competition Transition Charge exemption available under Section 372 of the California Public Utilities Code (PUC), Producer hereby declares that the portion of the Generating Facility that is generating in a combined heat and power mode
☐ does / ☐ does not meet the requirements for Cogeneration as such term is used in Section 216.6 of the California Public Utilities Code.

2.9 The Generating Facility's expected date of Initial Operation is _____. The expected date of Initial Operation shall be within two years of the date of this Agreement.

2.10 For the purpose of securing certain tariff charge exemptions available under the PU Code, Producer hereby declares the following for each Generator technology of the Generating Facility:

Requirements for Distributed Energy Resource Generation as such term is used in Section 353.1 of the PU Code.

biomass	are met ☐ are not met ☐	digester gas	are met ☐ are not met ☐
solar thermal	are met ☐ are not met ☐	municipal solid waste	are met ☐ are not met ☐
photovoltaic	are met ☐ are not met ☐	landfill gas	are met ☐ are not met ☐
wind	are met ☐ are not met ☐	ocean wave	are met ☐ are not met ☐
geothermal	are met ☐ are not met ☐	ocean thermal	are met ☐ are not met ☐
fuel cell	are met ☐ are not met ☐	tidal current	are met ☐ are not met ☐
small hydroelectric generation	are met ☐ are not met ☐	biogas digester (under NEMBIO)	are met ☐ are not met ☐
fuel cell (under NEMFC)	are met ☐ are not met ☐	other technology	are met ☐ are not met ☐

2.11 Customer-Generator's otherwise-applicable-rate schedule as of the execution of this Agreement is: _____

3. DOCUMENTS INCLUDED; DEFINED TERMS

3.1 This Agreement includes the following exhibits which are specifically incorporated herein and made a part of this Agreement.

Appendix A - Description of Generating Facility and Single-Line Diagram (Supplied by Producer).

Appendix B - Web-site references to Rules 2 and 21 and other selected rules and tariffs of PG&E (Supplied by PG&E).

Appendix C - A Copy of *PG&E's Agreement for Installation or Allocation of Special Facilities for Parallel Operation of Nonutility-Owned Generation and/or Electrical Standby Service* (Form 79-280) (Special Facility Agreement), if applicable, (Formed by the Parties).

Appendix D - Producer's warranty that the Generating Facility meets the requirements for a Cogeneration facility pursuant to Section 216.6 of the PU Code (when applicable).

Appendix E - Producer's warranty that the Generating Facility meets the requirements for Distributed Energy Resources Generation as defined in Section 353.1 of the PU Code (when applicable).

Appendix F - NEM2 Load Aggregation Customer-Generator Declaration Warranting NEM2 Aggregation Is Located On Same or Adjacent or Contiguous Property to Generator Parcel

Appendix G - Producer's warranty that it meets the requirements for an Eligible Biogas Digester Electrical Generating Facility, (applicable Generator(s) only) as defined in Section 2827.9 of the PU Code (when applicable).

Appendix H - Schedule NEM and/or NEM2 Customer-Generator Warranty that it Meets the Requirements for an Eligible Customer-Generator and is an Eligible Renewable Electrical Generation Facility Pursuant to Section 2827.1 of the California Public Utilities Code.

Appendix I -Operating Requirements for Energy Storage Device(s) (when applicable).

Appendix J - NEMFC Customer Agreement Starting January 1, 2017 Until California Air Resources Board Emission Standard is Established.

3.2 When initially capitalized, whether in the singular or in the plural, the terms used herein shall have the meanings assigned to them either in this Agreement or in PG&E's Rule 21 Section C.

4. TERM AND TERMINATION

4.1 This Agreement shall become effective as of the last date entered in Section 16, below. The Agreement shall continue in full force and effect until the earliest date that one of the following events occurs:

(a) The Parties agree in writing to terminate the Agreement, or

(b) Unless otherwise agreed in writing by the Parties, at 12:01 A.M. on the day following the date the electric service account through which Producer's Generating Facility is interconnected to PG&E's Electric System is closed or terminated, or

(c) At 12:01 A.M. on the 61st day after Producer or PG&E provides written Notice pursuant to Section 9 below to the other Party of Producer's or PG&E's intent to terminate this Agreement.

4.2 Producer may elect to terminate this Agreement pursuant to the terms of Section 4.1(c) for any reason. PG&E may elect to terminate this Agreement pursuant to the terms of Section 4.1(c) for one or more of the following reasons:

(a) A change in applicable rules, tariffs, and regulations, as approved or directed by the California Public Utilities Commission "Commission," or a change in any local, state or federal law, statute or regulation, either of which materially alters or otherwise affects PG&E's ability or obligation to perform PG&E's duties under this Agreement; or,

(b) Unless otherwise agreed to in writing by the Parties, Producer fails to take all corrective actions specified in PG&E's Notice that Producer's Generating Facility is out of compliance with the terms of this Agreement within the time frame set forth in such Notice; or,

(c) Producer fails to interconnect and operate the Generating Facility per the terms of this Agreement prior to 120 days after the date set forth in Section 2.9, above, as the Generating Facility's expected date of Initial Operation; or,

(d) Producer abandons the Generating Facility. PG&E shall deem the Generating Facility to be abandoned if PG&E determines, in its reasonable opinion, the Generating Facility is non-operational and Producer does not provide a substantive response to PG&E Notice of its intent to terminate this Agreement as a result of Producer's apparent abandonment of the Generating Facility affirming Producer's intent and ability to continue to operate the Generating Facility.

(e) Producer makes a change to the physical configuration of the Generating Facility, as declared in Section 2 and Appendix A of this Agreement.

4.3 Notwithstanding any other provisions of this Agreement, PG&E shall have the right to unilaterally file with the Commission, pursuant to the Commission's rules and regulations, an application to terminate this Agreement.

4.4 Any agreements attached to and incorporated into this Agreement shall terminate concurrently with this Agreement unless the Parties have agreed otherwise in writing.

5. GENERATING FACILITY AND OPERATING REQUIREMENTS

5.1 Except for that energy delivered to PG&E's Electric System, electric energy produced by Producer's Generating Facility shall be used solely to serve electrical loads connected to the electric service account that PG&E uses to interconnect Producer's Generating Facility (or, where permitted under Section 218 of the PUC, the electric loads of an on-site or neighboring party lawfully connected to Producer's Generating Facility through Producer's circuits). Producer shall not use the Generating Facility to serve electrical loads that will cause Producer to be considered an "electrical corporation" as such term is used in Section 218 of the California Public Utilities Code.

5.2 Unless otherwise agreed upon in writing by the Parties, this Agreement does not provide for, nor otherwise require PG&E to purchase, transmit, distribute, or store the electrical energy produced by Producer's Generating Facility.

5.3 Producer is responsible for operating the Generating Facility in compliance with all of PG&E's tariffs, including but not limited to PG&E's Rule 21 and applicable NEM-2 tariff schedules, and applicable safety and performance standards established by the National Electric Code, Institute of Electrical and Electronic Engineers, accredited testing laboratories such as Underwriters Laboratories, rules of the Commission regarding safety and reliability, and any other regulations and laws governing the Interconnection of the Generating Facility.

5.4 Producer shall: (a) maintain the Generating Facility and Interconnection Facilities in a safe and prudent manner and in conformance with all applicable laws and regulations including, but not limited to, Section 5.3, and (b) obtain any governmental authorizations and permits required for the construction and operation of the Generating Facility and Interconnection Facilities. Producer shall reimburse PG&E for any and all losses, damages, claims, penalties, or liability it incurs as a result of Producer's failure to obtain or maintain any governmental authorizations and permits required for construction and operation of Producer's Generating Facility.

5.5 Producer shall not commence parallel operation of the Generating Facility until PG&E has provided express written approval. Such approval shall normally be provided per the timelines established by the applicable PUC 2827 section, or by Rule 21. Such approval will be provided after PG&E's receipt of: (1) a completed Generating Facility Interconnection Application (Form 79-1174-02),

including all supporting documents and payments as described in the Application; (2) any required NEM supplemental application forms; (3) a signed and completed Generating Facility Interconnection Agreement (Multiple Tariff NEM2MT) (Form 79-1069-02); (4) a copy of the Producer's final inspection clearance from the governmental authority having jurisdiction over the Generating Facility; and (5) submission of all applicable payments for reviews, studies, Interconnection Facilities, and Electric System Modifications. Such approval will not be unreasonably withheld. PG&E shall have the right to have representatives present at the Commissioning Test as defined in Rule 21. Producer shall notify PG&E at least five (5) business days prior to the initial testing.

5.6 In no event shall the delivery of the maximum electric power to PG&E's Electric System exceed the amount or other limitations specified in Section 2 and Appendix A of this Agreement. If Producer does not regulate its Generating Facility in compliance with the limitations set forth in this Agreement, PG&E may require Producer to disconnect its Generating Facility from PG&E's Electric System until Producer demonstrates to PG&E's reasonable satisfaction that Producer has taken adequate measures to regulate the output of its Generating Facility and control its deliveries of electric power to PG&E. Further, should PG&E determine that Producer's operation of the Generating Facility is causing an unsafe condition or is adversely affecting PG&E's ability to utilize its Electric System in any manner, even if Producer's deliveries of electric power to PG&E's Electric System are within the limitations specified in this Agreement, PG&E may require Producer to temporarily or permanently reduce or cease deliveries of electric power to PG&E's Electric System. Alternatively, the Parties may agree to other corrective measures so as to mitigate the effect of electric power flowing from the Generating Facility to PG&E's Electric System. Producer's failure to comply with the terms of this Section shall constitute a material breach of this Agreement and PG&E may initiate termination in accordance with the terms of Section 4.2(b).

5.7 Producer shall not deliver reactive power to PG&E's Electric System unless the Parties have agreed otherwise in writing.

5.8 The Generating Facility shall be operated with all of Producer's Protective Functions in service whenever the Generating Facility is operated in parallel with PG&E's Electric System. Any deviation from these requirements may occur only when the Parties have agreed to such deviations in writing.

5.9 If Producer declares that its Generating Facility meets the requirements for Cogeneration as such term is used in Section 216.6 of the PUC (or any successor definition of Cogeneration (Cogeneration Requirements), Producer warrants that, beginning on the date of Initial Operation and continuing throughout the term of this Agreement, its Generating Facility shall continue to meet such Cogeneration Requirements, per Appendix D of this Agreement.

5.10 In order to promote the safety and reliability of the customer Generating Facility, the applicant certifies that as a part of each interconnection request for a NEM and/or NEM2 Generating Facility, that all major solar system components (if any) are on the verified equipment list maintained by the California Energy Commission and certifies that other equipment, as determined by PG&E, has safety certification from a nationally recognized testing laboratory.

5.11 Producer certifies as a part of each interconnection request for a NEM and/or NEM2 Eligible Generating Facility that

(i) a warranty of at least 10 years has been provided on all equipment and on its installation, or

(ii) a 10-year service warranty or executed “agreement” has been provided ensuring proper maintenance and continued system performance.

5.12 Producer rs on this tariff must pay for the interconnection of their NEM2 Generation Facilities as provided in Electric Rule 21, pursuant to Decision 16-01-044.

5.13 If Producer’s Generating Facility includes any energy storage device(s), Distribution Provider may provide requirements that must be met by the Producer prior to initiating Parallel Operation with PG&E’s Distribution System and throughout the term of this Agreement, including but not limited to the requirements set forth in Appendix I of this Agreement.

5.14 Smart Inverters

For Producer applications received on or after September 9, 2017, the Producer certifies that their inverter-based Generating Facilities fully comply with Section Hh of Rule 21, including configuration of protective settings and default settings, in accordance with the specifications therein.

Distribution Provider may require a field verification of the Producer’s inverter. Producer further agrees to cooperate fully with any such request and make their inverter available to the Distribution Provider for such verification. Producer understands that in the event the inverter is not set in accordance with Section Hh of Rule 21, Producer will need to cease operation of generating facility until verification is confirmed by Distribution Provider.

(Solar inverter models and firmware versions that comply with Rule 21 Section Hh can be found at:

https://www.energy.ca.gov/programs-and-topics/topics/renewable-energy/solar-equipment-lists.)

Verification of compliance with such requirements shall be provided by the Producer upon request by PG&E in accordance with PG&E’s Electric Rule 21.

An "existing inverter" is defined as an inverter that is a component of an existing Generating Facility that meets one or more of the following conditions:

(a) it is already approved by PG&E for interconnection prior to September 9, 2017

(b) the Producer has submitted the interconnection application prior to September 9, 2017,

(c) the Producer provides evidence of having applied for an electrical permit for the Generating Facility installation that is dated prior to September 9, 2017 and submitted a complete interconnection application1[1] no later than March 31, 2018, or

(d) the Producer provides evidence of a final inspection clearance from the governmental authority having jurisdiction over the Generating Facility prior to September 9, 2017.

All "existing inverters" are not required to be Smart Inverters and are only subject to Section H of Rule 21. Producer replacing an "existing inverter" certifies it is being replaced with either:

(i) inverter equipment that complies with Section Hh of Rule 21, (encouraged); or
(ii) a conventional inverter that is of the same size and equivalent ability to that of the inverter being replaced, as allowed in Rule 21 Section H.3.d.ii.

6. INTERCONNECTION FACILITIES

6.1 Producer and/or PG&E, as appropriate, shall provide Interconnection Facilities that adequately protect PG&E's Electric System, personnel, and other persons from damage or injury, which may be caused by the operation of Producer's Generating Facility.

6.2 Producer shall be solely responsible for the costs, design, purchase, construction, operation, and maintenance of the Interconnection Facilities that Producer owns.

6.3 If the provisions of PG&E's Rule 21, or any other tariff or rule approved by the Commission, requires PG&E to own and operate a portion of the Interconnection Facilities, Producer and PG&E shall promptly execute an Special Facilities Agreement that establishes and allocates responsibility for the design, installation, operation, maintenance, and ownership of the

[1] A complete application consists all of the following without deficiencies:
1. A completed Interconnection Application including all supporting documents and required payments,
2. A completed signed Interconnection Agreement,
3. Evidence of the Producer final inspection clearance from the governmental authority having jurisdiction over the generating system.

Interconnection Facilities. This Special Facilities Agreement shall be attached to and made a part of this Agreement as Appendix C.

6.4 The Interconnection Facilities may include Net Generation Output Metering for determination of standby charges and applicable non-bypassable charges, and/or other meters required for PG&E's administration and billing pursuant to PG&E's tariffs for net energy metering.

7. LIMITATION OF LIABILITY

Each Party's liability to the other Party for any loss, cost, claim, injury, liability, or expense, including reasonable attorney's fees, relating to or arising from any act or omission in its performance of this agreement, shall be limited to the amount of direct damage actually incurred. In no event shall either Party be liable to the other Party for any indirect, special, consequential, or punitive damages of any kind whatsoever.

8. INSURANCE

8.1 In connection with Producer's performance of its duties and obligations under this Agreement, Producer shall maintain, during the term of this Agreement, general liability insurance with a combined single limit of not less than:

(a) Two million dollars ($2,000,000) for each occurrence if the Gross Nameplate Rating of Producer's Generating Facility is greater than one hundred (100) kW;

(b) One million dollars ($1,000,000) for each occurrence if the Gross Nameplate Rating of Producer's Generating Facility is greater than twenty (20) kW and less than or equal to one hundred (100) kW; and

(c) Five hundred thousand dollars ($500,000) for each occurrence if the Gross Nameplate Rating of Producer's Generating Facility is twenty (20) kW or less.

(d) Two hundred thousand dollars ($200,000) for each occurrence if the Gross Nameplate Rating of Producer's Generating Facility is ten (10) kW or less and Producer's Generating Facility is connected to an account receiving residential service from PG&E.

Such general liability insurance shall include coverage for "Premises-Operations, Owners and Contractors Protective, Products/Completed Operations Hazard, Explosion, Collapse, Underground, Contractual Liability, and Broad Form Property Damage including Completed Operations."

8.2 The general liability insurance required in Section 8.1 shall, by endorsement to the policy or policies, (a) include PG&E as an additional insured; (b) contain a severability of interest clause or cross-liability clause; (c) provide that PG&E shall not by reason of its inclusion as an additional insured incur liability to the insurance carrier for payment of premium for such insurance; and (d) provide

for thirty (30) calendar days' written notice to PG&E prior to cancellation, termination, alteration, or material change of such insurance.

8.3 If Producer's Generating Facility employs solely of Renewable Electrical Generation Facilities the requirements of Section 8.1 shall be waived. However, to the extent that Producer has currently in force Commercial General Liability or Personal (Homeowner's) Liability insurance, Producer agrees that it will maintain such insurance in force for the duration of this Agreement in no less than amounts currently in effect. PG&E shall have the right to inspect or obtain a copy of the original policy or policies of insurance prior to commencing operations. Such insurance shall provide for thirty (30) calendar days written notice to PG&E prior to cancellation, termination, alteration, or material change of such insurance.

8.4 Evidence of the insurance required in Section 8.2 shall state that coverage provided is primary and is not in excess to or contributing with any insurance or self-insurance maintained by PG&E.

8.5 Producer agrees to furnish the required certificates and endorsements to PG&E prior to Initial Operation. PG&E shall have the right to inspect or obtain a copy of the original policy or policies of insurance.

8.6 If Producer is self-insured with an established record of self-insurance, Producer may comply with the following in lieu of Sections 8.1 through 8.4:

(a) Producer shall provide to, PG&E, at least thirty (30) calendar days prior to the date of Initial Operation, evidence of an acceptable plan to self-insure to a level of coverage equivalent to that required under Section 8.1.

(b) If Producer ceases to self-insure to the level required hereunder, or if Producer are unable to provide continuing evidence of Producer's ability to self-insure, Producer agrees to immediately obtain the coverage required under Section 8.1.

8.7 All insurance certificates, statements of self-insurance, endorsements, cancellations, terminations, alterations, and material changes of such insurance shall be issued and submitted via email or fax to the following:

Pacific Gas and Electric Company
c/o EXIGIS LLC
support@exigis.com
Fax: 646-755-3327

9. NOTICES

9.1 Any written notice, demand, or request required or authorized in connection with this Agreement (Notice) shall be deemed properly given if delivered in

person or sent by first class mail, postage prepaid, to the address specified below:

If to PG&E:

Pacific Gas and Electric Company
Attention: Electric Generation Interconnection - Contract Management
245 Market Street
Mail Code N7L
San Francisco, California 94105-1702

If to Producer:

Customer-Generator Name: _____
Address: _____
City: _____
Phone: (_____) _____
FAX: (_____) _____

9.2 A Party may change its address for Notices at any time by providing the other Party Notice of the change in accordance with Section 9.1.

9.3 The Parties may also designate operating representatives to conduct the daily communications, which may be necessary or convenient for the administration of this Agreement. Such designations, including names, addresses, and phone numbers may be communicated or revised by one Party's Notice to the other.

10. REVIEW OF RECORDS AND DATA

10.1 PG&E shall have the right to review and obtain copies of Producer's operations and maintenance records, logs, or other information such as, unit availability, maintenance outages, circuit breaker operation requiring manual reset, relay targets and unusual events pertaining to Producer's Generating Facility or its interconnection with PG&E's Electric System.

10.2 Producer authorizes to release to the California Energy Commission (CEC) information regarding Producer's facility, including customer name, location, size, and operational characteristics of the unit, as requested from time to time pursuant to the CEC's rules and regulations.

11. ASSIGNMENT

Producer shall not voluntarily assign its rights nor delegate its duties under this Agreement without PG&E's written consent. Any assignment or delegation Producer makes without PG&E's written consent shall not be valid. PG&E shall not unreasonably withhold its consent to Producer's assignment of this Agreement.

12. NON-WAIVER

None of the provisions of this Agreement shall be considered waived by a Party unless such waiver is given in writing. The failure of a Party to insist in any one or more instances upon strict performance of any of the provisions of this Agreement or to take advantage of any of its rights hereunder shall not be construed as a waiver of any such provisions or the relinquishment of any such rights for the future, but the same shall continue and remain in full force and effect.

13. GOVERNING LAW, JURISDICTION OF COMMISSION, INCLUSION OF PG&E's TARIFF SCHEDULES AND RULES

13.1 This Agreement shall be interpreted, governed, and construed under the laws of the State of California as if executed and to be performed wholly within the State of California without giving effect to choice of law provisions that might apply to the law of a different jurisdiction.

13.2 This Agreement shall, at all times, be subject to such changes or modifications by the Commission as it may from time to time direct in the exercise of its jurisdiction.

13.3 The interconnection and services provided under this Agreement shall at all times be subject to the terms and conditions set forth in the Tariff Schedules and Rules applicable to the electric service provided by, PG&E, which Tariff Schedules and Rules are hereby incorporated into this Agreement by this reference.

13.4 Notwithstanding any other provisions of this Agreement, PG&E shall have the right to unilaterally file with the Commission, pursuant to the Commission's rules and regulations, an application for change in rates, charges, classification, service, tariff or rule or any agreement relating thereto.

14. AMENDMENT AND MODIFICATION

This Agreement can only be amended or modified in writing, signed by both Parties.

15. ENTIRE AGREEMENT

This Agreement, including any incorporated Tariff Schedules and rules, contains the entire agreement and understanding between the Parties, their agents, and employees as to the subject matter of this Agreement. Each party also represents that in entering into this Agreement, it has not relied on any promise, inducement, representation, warranty, agreement or other statement not set forth in this Agreement or in the incorporated tariff schedules and rules.

16. SIGNATURES

IN WITNESS WHEREOF, the Parties hereto have caused two originals of this Agreement to be executed by their duly authorized representatives. This Agreement is effective as of the last date set forth below.

	PACIFIC GAS AND ELECTRIC COMPANY
(Company Name)	
(Signature)	*(Signature)*
(Print Name)	*(Print Name)*
(Title)	*(Title)*
(Date)	*(Date)*

APPENDIX A

DESCRIPTION OF GENERATING FACILITY AND SINGLE-LINE DIAGRAM (Provided by Producer)

(Note: The Description of the Generating Facility should include, but not limited to, for each of the technology types of generation: spatial configuration, net and gross nameplate ratings, manufacturer, if the generators are certified under Rule 21, protection equipment, and intended mode of operation [i.e. non-export: export up to 2 seconds; inadvertent export: export between 2 seconds and 60 seconds; and continuous export: export greater than 60 seconds]. Additionally points of interconnection with PG&E, as well as locations and type of protection equipment and disconnect switches should be identified.)

APPENDIX B

RULES "2" AND "21"

(Note: PG&E's electric Rules "2" and "21" may be subject to such changes or modifications by the Commission as the Commission may, from time to time, direct in the exercise of its jurisdiction. PG&E's tariffs, including Rules "2" and "21" can be accessed via the PG&E website at **www.pge.com/tariffs**. Upon request, PG&E can provide copies to Producer of Rules "2" and "21.")

APPENDIX C (If Applicable)

RULE 21 "SPECIAL FACILITIES" AGREEMENT
(Formed between the Parties)

APPENDIX D (When applicable)

PRODUCER'S WARRANTY THAT THE GENERATING FACILITY IS A "COGENERATION FACILITY" PURSUANT TO SECTION 216.6 OF THE CALIFORNIA PUBLIC UTILITIES CODE

For the purpose of securing the Competition Transition Charge exemption available under Section 372 of the PU Code, Producer hereby declares that the Generating Facility meets the requirements for Cogeneration as such term is used in Section 216.6 of the PU Code (Cogeneration Requirements).

Producer warrants that, beginning on the date of Initial Operation and continuing throughout the term of this Agreement, the Generating Facility shall continue to meet the Cogeneration Requirements. If Producer becomes aware that its Generating Facility has ceased to meet the Cogeneration Requirements, Producer shall promptly provide PG&E with Notice of such change pursuant to Section 9.1 of the Agreement. If at any time during the term of this Agreement PG&E determines in its reasonable discretion that Producer's Generating Facility may no longer meet the Cogeneration Requirements, PG&E may require Producer to provide evidence that the Generating Facility continues to meet the Cogeneration Requirements within 15 business days of PG&E's request for such evidence. Additionally, PG&E may periodically (typically, once per year) inspect Producer's Generating Facility and/or require documentation from Producer to monitor the Generating Facility's compliance with the Cogeneration Requirements. If PG&E determines in its reasonable judgment that Producer either failed to provide evidence in a timely manner or that it provided insufficient evidence that its Generating Facility continues to meet the Cogeneration Requirements, then the Cogeneration status of the Generating Facility shall be deemed ineffective until such time as Producer again demonstrates to PG&E's reasonable satisfaction that the Generating Facility meets the requirements for a Cogeneration facility (the Cogeneration Status Change).

PG&E shall revise its records and the administration of this Agreement to reflect the Cogeneration Status Change and provide Notice to Producer of the Cogeneration Status Change pursuant to Section 9.1 of this Agreement. Such Notice shall specify the effective date of the Cogeneration Status Change. This date shall be the first day of the calendar year for which PG&E determines in its reasonable discretion that the Generating Facility first ceased to meet the Cogeneration Requirements. PG&E shall invoice the Producer's electric service account through which the Generating Facility is Interconnected with PG&E's Electric System for Competition Transition Charges (CTCs) that were not previously billed during the period between the effective date of the Status Change and the date of the Notice in reliance upon Producer's representations that the Generating Facility complied with the Cogeneration Requirements and therefore was eligible for the exemption from CTCs available under Section 372 of the PU Code.

Any amounts to be paid or refunded by Producer, as may be invoiced by PG&E pursuant to the terms of this warranty, shall be paid to PG&E within 30 days of Producer's receipt of such invoice.

APPENDIX E (When applicable)

PRODUCER'S WARRANTY THAT THE GENERATING FACILITY IS A "DISTRIBUTED ENERGY RESOURCES GENERATION" FACILITY PURSUANT TO SECTION 353.1 OF THE CALIFORNIA PUBLIC UTILITIES CODE

For the purpose of securing the tariff charge exemption available under Section 353.3 of the PU Code, Producer hereby declares that the Generating Facility meets the requirements for Distributed Energy Resources Generation as such term is used in Section 353.1 of the PU Code (DERG Requirements).

Producer warrants that, beginning on the date of Initial Operation and continuing throughout the term of this Agreement, its Generating Facility shall continue to meet the DERG Requirements. If Producer becomes aware that the Generating Facility has ceased to meet the DERG Requirements, Producer shall promptly provide PG&E with Notice of such change pursuant to Section 9.1 of the Agreement. If at any time during the term of this Agreement PG&E determines in its reasonable discretion that Producer's Generating Facility may no longer meet the DERG Requirements, PG&E may require Producer to provide evidence that the Generating Facility continues to meet the DERG Requirements within 15 business days of PG&E's request for such evidence. Additionally, PG&E may periodically (typically, once per year) inspect Producer's Generating Facility and/or require documentation from Producer to monitor the Generating Facility's compliance with the DERG Requirements. If PG&E determines in its reasonable judgment that Producer either failed to provide evidence in a timely manner or that it provided insufficient evidence that its Generating Facility continues to meet the DERG Requirements, then the Distributed Energy Resources Generation status of the Generating Facility shall be deemed ineffective until such time as Producer again demonstrates to PG&E's reasonable satisfaction that the Generating Facility meets the requirements for a Distributed Energy Resources Generation facility (the DERG Status Change).

PG&E shall revise its records and the administration of this Agreement to reflect the DERG Status Change and provide Notice to Producer of the DERG Status Change pursuant to Section 9.1 of this Agreement. Such Notice shall specify the effective date of the DERG Status Change. This date shall be the first day of the calendar year for which PG&E determines in its reasonable discretion that the Generating Facility first ceased to meet the DERG Requirements. PG&E shall invoice the Producer electric service account through which the Generating Facility is Interconnected with PG&E's Electric System for any tariff charges that were not previously billed during the period between the effective date of the DERG Status Change and the date of the Notice in reliance upon Producer's representations that the Generating Facility complied with the DERG Requirements and therefore was eligible for the exemption from tariff charges available under Section 353.3 of the PU Code.

Any amounts to be paid or refunded by Producer, as may be invoiced by PG&E pursuant to the terms of this warranty, shall be paid to PG&E within 30 days of Producer's receipt of such invoice.

APPENDIX F (When applicable)

NEM2 LOAD AGGREGATION APPENDIX (If Applicable)
CUSTOMER-GENERATOR DECLARATION WARRANTING NEM2 AGGREGATION IS LOCATED ON SAME OR ADJACENT OR CONTIGUOUS PROPERTY TO GENERATOR PARCEL

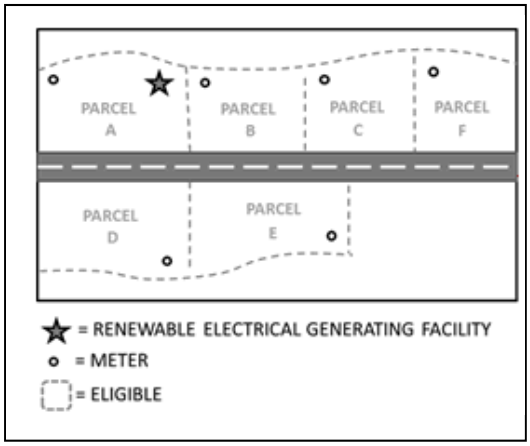
In accordance with Schedule NEM2, I, Customer-Generator represent and warrant under penalty of perjury that:

1) The total annual output in kWh of the generator is less than or equal to 110% (for solar and/or wind systems equal to or less than 30 kW) or 100% (for all other technologies and solar and/or wind systems greater than 30 kW) of the annual aggregated electrical load in kWh of the meters associated with the generator account, including the load on the generating account itself (before being offset by the generator); and

2) Each of the aggregated account meters associated with this NEM2 generator account are located either:

(i) on the property where the renewable electrical generation facility is located, or

(ii) are located within an unbroken chain of contiguous parcels that are all solely owned, leased or rented by the customer-generator. For purposes of Load Aggregation, parcels that are divided by a street, highway, or public thoroughfare are considered contiguous, provided they are within an unbroken chain of otherwise contiguous parcels that are all solely owned leased or rented by the customer-generator.



For example, assume there are five parcels (A, B, C, D, E, and F) that form a cluster of contiguous parcels and D and E are separated from A, B, C and F by a street, highway, or public thoroughfare. For the purposes of participating in Load Aggregation, all five parcels are considered contiguous, provided they are otherwise contiguous and all are solely owned, leased or rented by the customer-generator. Refer to the diagram at left (for illustrative purposes only.)

3) PG&E reserves the right to request a parcel map to confirm the property meets the requirements of 2) above; and

4) Customer-Generator agrees to notify PG&E if there is any change of status that makes any of the participating meters ineligible for meter aggregation to ensure that only eligible meters are participating; PG&E will require an updated Appendix and Declaration form; and

5) Upon request by PG&E, I agree to provide documentation that all aggregated meters meet the requirements of Rate Schedule NEM2 Special Condition 6 including but not limited to parcel maps and ownership records.

Customer Generator's Name	*Signature*
Date	*Type/Print Name*
	Title

APPENDIX G (When applicable)

PRODUCER'S WARRANTY THAT THE GENERATING FACILITY IS AN ELIGIBLE BIOGAS ELECTRICAL GENERATING FACILITY PURSUANT TO SECTION 2827.9 OF THE CALIFORNIA PUBLIC UTILITIES CODE

Producer has declared that the Generating Facility meets the requirements for an Eligible Biogas Electrical Generating Facility, as defined in Section 2827.9 of the California Public Utilities Code (Eligibility Requirements).

Producer warrants that, beginning on the date of Initial Operation and continuing throughout the term of this Agreement, its Generating Facility shall continue to meet the Eligibility Requirements. If Producer becomes aware that the Generating Facility has ceased to meet the Eligibility Requirements, Producer shall promptly provide PG&E with Notice of such change pursuant to Section 9.1 of the Agreement. If at any time during the term of this Agreement PG&E determines in its reasonable discretion that Producer's Generating Facility may no longer meet the Eligibility Requirements, PG&E may require Producer to provide evidence that the Generating Facility continues to meet the Eligibility Requirements within 15 business days of PG&E's request for such evidence. Additionally, PG&E may periodically (typically, once per year) inspect Producer's Generating Facility and/or require documentation from Producer to monitor the Generating Facility's compliance with the Eligibility Requirements. If PG&E determines in its reasonable judgment that Producer either failed to provide evidence in a timely manner or that it provided insufficient evidence that its Generating Facility continues to meet the Eligibility Requirements, then the Distributed Energy Resources Generation status of the Generating Facility shall be deemed ineffective until such time as Producer again demonstrates to PG&E's reasonable satisfaction that the Generating Facility meets the requirements for a Distributed Energy Resources Generation facility (the Eligibility Status Change).

PG&E shall revise its records and the administration of this Agreement to reflect the Eligibility Status Change and provide Notice to Producer of the Eligibility Status Change pursuant to Section 9.1 of this Agreement. Such Notice shall specify the effective date of the Eligibility Status Change. This date shall be the first day of the calendar year for which PG&E determines in its reasonable discretion that the Generating Facility first ceased to meet the Eligibility Requirements. PG&E shall invoice the Producer for any tariff charges that were not previously billed during the period between the effective date of the Eligibility Status Change and the date of the Notice in reliance upon Producer's representations that the Generating Facility complied with the Eligibility Requirements and therefore was eligible for the rate treatment available under the Net Energy Metering provisions of PG&E's Schedule NEM-BIO, Experimental Biogas Net Energy Metering.

Any amounts to be paid or refunded by Producer, as may be invoiced by PG&E pursuant to the terms of this warranty, shall be paid to PG&E within 30 days of Producer's receipt of such invoice.

Appendix H

SCHEDULE NEM2 CUSTOMER-GENERATOR WARRANTY THAT IT MEETS THE REQUIREMENTS FOR AN ELIGIBLE CUSTOMER-GENERATOR AND IS AN ELIGIBLE RENEWABLE ELECTRICAL GENERATION FACILITY PURSUANT TO SECTION 2827.1 OF THE CALIFORNIA PUBLIC UTILITIES CODE

(This Affidavit needs to be completed and submitted to PG&E by the Customer-Generator every time a new NEM2 interconnection agreement for a Renewable Electrical Generation Facility is executed or whenever there is a change in ownership of the Generating Facility).

Check Type of Renewable Electrical Generation Facility:

☐ biomass	☐ geothermal	☐ municipal solid waste
☐ solar thermal	☐ fuel cell	☐ landfill gas
☐ small hydroelectric generation	☐ ocean wave	☐ digester gas
☐ ocean thermal	☐ tidal current	☐ Storage/Batteries _____ amp hours _____ inverter kWh

NEM2 Customer-Generator (Customer) declares that

(1) it meets the requirements to be an “Eligible Customer-Generator” and its Generating Facility.

(2) (a) meets the requirements of an “Renewable Electrical Generation Facility”, as defined in Section 2827(b)(5) of the California Public Utilities Code and (b) satisfies the definitions of the renewable resource for the Renewable Electrical Generation Facility in the latest version of the California Energy Commission’s (CEC’s) Renewables Portfolio Standard (RPS) Eligibility Guidebook and the Overall Program Guidebook. [2] (Eligibility Requirements).

[2] The RPS Guidebooks can be found at: https://www.energy.ca.gov/programs-and-topics/programs/renewables-portfolio-standard

Included in these eligibility requirements (check as applicable) pursuant to Public Utilities Code section 2827(b)(5) and Public Resource Code Section 25741 paragraph 1(a):

- ❑ If the Renewable Electrical Generation Facility is a fuel cell, or otherwise uses renewable biogas or otherwise, Eligible Customer-Generator warrants that the fuel cell is powered solely with renewable fuel.

- ❑ If the Renewable Electrical Generation Facility is a Small hydroelectric generating facility, customer warrants that it will not cause an adverse impact on instream beneficial uses, nor cause a change in the volume or timing of streamflow).

If the Customer uses biogas or a renewable fuel as the fuel for their Renewable Electrical Generation Facility:

- ❑ Eligible Customer-Generator warrants that the Renewable Electrical Generation Facility is powered solely with renewable fuel.

Eligible Customer-Generator warrants that, beginning on the date of Initial Operation and continuing throughout the term of this Agreement, Eligible Customer-Generator and the Generating Facility shall continue to meet the Eligibility Requirements. If Eligible Customer-Generator or the Generating Facility ceases to meet the Eligibility Requirements, Eligible Customer-Generator shall promptly provide PG&E with Notice of such change pursuant to Section 11 of this Agreement. If at any time during the term of this Agreement PG&E determines, at its reasonable discretion, that Eligible Customer-Generator or Generating Facility may no longer meet the Eligibility Requirements, PG&E may require Eligible Customer-Generator to provide evidence, that Eligible Customer-Generator and/or Generating Facility continues to meet the Eligibility Requirements, within 20 business days of PG&E's request for such evidence. Additionally, PG&E may periodically (typically, once per year) inspect Producer's Generating Facility and/or require documentation from Eligible Customer-Generator to monitor the Generating Facility's compliance with the Eligibility Requirements – PG&E will provide a minimum of 10 business days notice to the Eligible Customer-Generator should PG&E decide an inspection is required. If PG&E determines in its reasonable judgment that Eligible Customer-Generator either failed to provide evidence in a timely manner or that it provided insufficient evidence that its Generating Facility continues to meet the Eligibility Requirements, then the Eligibility Status shall be deemed ineffective until such time as Eligible Customer-Generator again demonstrates to PG&E's reasonable satisfaction that Eligible Customer-Generator meets the requirements for an Eligible Customer–Generator and/or the Generating Facility meets the requirements for a Eligible electrical generating facility (the Eligibility Status Change).

PG&E shall revise its records and the administration of this Agreement to reflect the Eligibility Status Change and provide Notice to Eligible Customer-Generator of the Eligibility Status Change pursuant to Section 11 of this Agreement. Such Notice shall specify the effective date of the Eligibility Status Change. This date shall be the first day of the calendar year for which PG&E determines in its reasonable discretion that the Eligible Customer-Generator and/or Generating Facility first ceased to meet the Eligibility Requirements. PG&E shall invoice the Eligible Customer-Generator for any tariff charges that were not previously billed during the period between the effective date of the Eligibility Status Change and the date of the Notice in reliance upon Eligible Customer-Generator's representations that Eligible Customer-Generator and/or Generating Facility complied with the Eligibility Requirements and therefore was eligible for the rate treatment available under the Net Energy Metering provisions of PG&E's Schedule NEM2 Net Energy Metering Service for Eligible Customer-Generators.

Any amounts to be paid or refunded by Eligible Customer-Generator, as may be invoiced by PG&E pursuant to the terms of this warranty, shall be paid to PG&E within 30 days of Eligible Customer-Generator's receipt of such invoice.

Unless otherwise ordered by the CPUC, this Agreement at all times shall be subject to such modifications as the CPUC may direct from time to time in the exercise of its jurisdiction.

I certify the above is true and correct,

Customer-Generator Signature: _____

Name: _____

Title: _____

Date: _____

APPENDIX I

(If Applicable)

OPERATING REQUIREMENTS FOR ENERGY STORAGE DEVICE(S)

The following Operating Requirement(s) apply to the charging functions of the Generating Facility:

❑ Producer's storage device(s) will not consume power from Distribution Provider's Distribution System at any time.

❑ Producer's storage device(s) will not cause the Host Load to exceed its normal peak demand. Normal peak demand is defined as the highest amount of power required from the Distribution System by Producer's complete facilities without the influence or use of the energy storage device(s).

❑ To avoid upgrades or other technical mitigation items identified in the interconnection process, Producer has chosen the following Generating Facility operating constraint(s):

For the annual period between _____ [Month/Day] and _____ [Month/Day]

And during the hours of _____

The storage device(s) will consume no more than a total of ___ kW from the Distribution System.

This operating constraint voids the need for the following specific mitigation scope:

No other charging function limitation is required for this Generating Facility except the requirements above. Producer will be responsible for the costs of the corresponding upgrades or other technical mitigations if at any time the Producer elects to forego or violates the operating requirement.

Consistent with current load service Rules, Distribution Provider is not required to reserve capacity for load. Producer is responsible to contact the utility for any modification to its equipment or change in operations that may result in increased load demand per Electric Rule 3.C.

If any operating requirement is specified above, Distribution Provider reserves the right to ask for data at the 15-minute interval level at any time to verify that the operating requirement is being met. Distribution Provider will make such request via a written notice no more than once per calendar quarter. Producer must provide such data within 30

Calendar Days of the written request.

If the Generating Facility fails to adhere to the operating requirements at any time, it will be disconnected immediately in accordance with Rule 21 Section D.9 and not reconnected until an approved mitigation (e.g., supervising controls) is in place as determined by Distribution Provider.

GENERATING FACILITY INTERCONNECTION AGREEMENT (MULTIPLE TARIFF NEM2MT) Appendix J

NEMFC Customer Agreement Starting January 1, 2017 Until California Air Resources Board Emission Standard is Established and Approved by the CPUC as Needed.

Starting January 1, 2017, Customer applying for Schedule NEMFC, as revised pursuant to Assembly Bill 1637 (2016), agree as follows:

That their Eligible Fuel Cell Electrical Generating Facility must meet the reduction in greenhouse gas emissions standard to be established as required by the California Public Utilities (PU) Code Section 2827.10.

Since the applicable standards are not yet released by the California Air Resources Board (ARB) and/or approved as may be needed by the California Public Utilities Commission (CPUC), Customer agrees and understands that their approval for participation in NEMFC is contingent on their system meeting the new standard within three months of when the new standard becomes available. Specifically, I, Customer, understand and agree that if my fuel cell generator does not meet the ARB emission standard I will not be eligible for NEMFC.

Specifically, I will be responsible for the following:

1. Payment of all interconnection costs, including fees, studies, system upgrades, and any other pertinent interconnection costs.

2. Payment of the following nonbypassable charges on all departed load served by the fuel cell installed at my premises including but not limited to,

   a. Public Purpose Program Charges;
   b. Nuclear Decommissioning;
   c. Department of Water Resources Bond Charges; and
   d. Competition Transition Charge;
   e. Other charges that the CPUC determines are to be charged on departed load and for which there is no exception for fuel cells pursuant to Schedule E-DCG.

3. I understand that I may be required to take service on standby tariff pursuant to Schedule S or Schedule SB and pursuant to PU Code Section 2827.10(f)(2)(A).

4. I further understand that I will not be eligible for Rate Schedule NEMFC and will no longer receive any credit for any exports to the grid.

_____
(Company Name)

_____ _____
(Signature) *(Title)*

_____ _____
(Print Name) *(Date)*

Electric Sample Form No. 79-1102 Sheet 1
Section 399.20 Power Purchase Agreement

Please Refer to Attached Sample Form

Pacific Gas and Electric Company

DISTRIBUTION:

☐ XXXX
☐ XXXX
☐ XXXX
☐ XXXX
☐ _____

REFERENCE:

_____
_____
_____
_____
_____

SECTION 399.20
POWER PURCHASE AGREEMENT

PACIFIC GAS AND ELECTRIC COMPANY, a California Corporation ("PG&E" or "Buyer"), and _____ ("Seller") hereby enter into this Power Purchase Agreement ("Agreement"). Seller and PG&E are sometimes referred to in this Agreement jointly as "Parties" or individually as "Party." In consideration of the mutual promises and obligations stated in this Agreement and its appendices, the Parties agree as follows:

1. DOCUMENTS INCLUDED; DEFINED TERMS

This Agreement includes the following appendices, which are specifically incorporated herein and made a part of this Agreement.

Appendix A- Definitions

Appendix B- Initial Energy Delivery Date Confirmation Letter

Appendix C- Time of Delivery ("TOD") Periods and Factors

Appendix D- Counterparty Notification Requirements for Outage and Generation Schedule Changes

Appendix E- Description of the Facility

2. SELLER'S GENERATING FACILITY, PURCHASE PRICES AND PAYMENT

2.1 Facility. This Agreement governs PG&E's purchase of the Product from the electrical generating facility (hereinafter referred to as the "Facility" or "Unit" or "Project") as described in this Section.

2.1.1 The Facility is located at:

_____

_____

_____

_____ County, California.

2.1.2 The Facility is named _____.

2.1.3 The Facility's primary fuel is _____ [i.e. biogas, hydro, etc.].

2.1.4 The Facility has a Nameplate of ___ kilowatts ("kW"), at unity power factor at 60 degrees Fahrenheit at sea level and has a primary voltage level of ____ kilovolts

("kV"). Seller shall not modify the Facility to increase the Nameplate without the prior written consent of PG&E. The Nameplate will be net of any Station Use, or in the case of solar it will be net of any inverter losses. The Nameplate will not exceed 1,500 kW.

2.1.5 The Facility is connected to the PG&E electric system at _____ kV.

2.1.6 If not already capable of delivering energy on the Execution Date, the Facility's scheduled Commercial Operation Date is _____.

2.1.7 A description of the Facility, including a summary of its significant components, a drawing showing the general arrangements of the Facility, and a single line diagram illustrating the interconnection of the Facility and loads with PG&E's electric distribution or transmission system, is attached and incorporated herein as Appendix E.

2.1.8 The name and address PG&E uses to locate the electric service account(s) and premises used to interconnect the Facility with PG&E's distribution systems is:

_____

_____

_____

_____

2.2 Transaction. During the Delivery Term of this Agreement, as provided in Section 2.3, Seller shall sell and deliver, or cause to be delivered, and PG&E shall purchase and receive, or cause to be received, the Product from the Facility, up to 1500 kW, at the Delivery Point, as defined pursuant to Section 5.1, pursuant to Seller's election of a (check one) ☐ full buy/sell or ☐ excess sale arrangement as described in paragraphs 2.2.1 and 2.2.2 below. PG&E shall pay Seller the Contract Price, set forth in Section 2.4, in accordance with the terms hereof. In no event shall Seller have the right to procure the Product from sources other than the Facility for sale or delivery to PG&E under this Agreement or substitute such Product. PG&E shall have no obligation to receive or purchase the Product from Seller prior to the Initial Energy Delivery Date, as defined in Section 2.3, or after the end of the Delivery Term, as defined in Section 2.3. The Parties agree that the execution and performance of the Parties under this Agreement shall satisfy PG&E's obligations, if any, under the Public Utility Regulatory Policies Act and its implementing regulations, i.e., 18 C.F.R. §§ 292.303.

2.2.1 Full Buy/Sell. Seller agrees to sell to PG&E the Facility's gross output in kilowatt-hours, net of Station Use and transformation and transmission losses to the Delivery Point into the PG&E system, together with all Green Attributes and Resource

Adequacy Benefits. Seller shall purchase all energy required to serve the Facility's on-site load, net of station use, from PG&E pursuant to PG&E's applicable retail rate schedule.

2.2.2 Excess Sale. Seller agrees to sell to PG&E the Facility's gross output in kilowatt-hours, net of Station Use and any on-site use by Seller and transformation and transmission losses to the Delivery Point into the PG&E system. Seller agrees to convey to PG&E all Green Attributes and Resource Adequacy Benefits associated with the energy sold to PG&E.

2.3 Delivery Term. The Seller shall deliver the Product from the Facility to PG&E for a period of (check one) ☐ ten (10), ☐ fifteen (15), or ☐ twenty (20) Contract Years ("Delivery Term"), which shall commence on the first date on which energy is delivered from the Facility to PG&E ("Initial Energy Delivery Date") under this Agreement and continue until the end of the last Contract Year unless terminated by the terms of this Agreement. The Initial Energy Delivery Date shall occur only when all of the following conditions have been satisfied:

(i) the Commercial Operation Date has occurred, if the Facility was not in operation prior to the Execution Date of this Agreement;

(ii) the Facility's status as an Eligible Renewable Energy Resource, is demonstrated by Seller's receipt of certification from the CEC and is registered in WREGIS; and

(iii) as evidence of the Initial Energy Delivery Date, the Parties shall execute and exchange the "Initial Energy Delivery Date Confirmation Letter" attached hereto as Appendix B on the Initial Energy Delivery Date.

2.4 Contract Price. Once both Parties have executed this Agreement PG&E shall pay Seller for each kilowatt hour ("kWh") of the Product delivered to PG&E during each Contract Year for the Delivery Term at the applicable Market Price Referent specified below for the Facility's actual Commercial Operation Date. Payment shall be adjusted by the appropriate Time of Delivery ("TOD") factor listed in Appendix C.

Adopted 2011 Market Price Referents - Long-Term Contracts[1] (Nominal - dollars/kWh)			
Resource Type	**10-Year**	**15-Year**	**20-Year**
2012 Baseload MPR	0.07688	0.08352	0.08956

[1] Note: Using 2011 as the base year, Staff calculates MPRs for 2012-2023 that reflect different project online dates. Link to 2011 MPR Model: https://www.cpuc.ca.gov/general.aspx?id=5599

2013 Baseload MPR	0.08103	0.08775	0.09375
2014 Baseload MPR	0.08454	0.09151	0.09756
2015 Baseload MPR	0.08804	0.09520	0.10132
2016 Baseload MPR	0.09156	0.09883	0.10509
2017 Baseload MPR	0.09488	0.10223	0.10859
2018 Baseload MPR	0.09831	0.10570	0.11218
2019 Baseload MPR	0.10186	0.10928	0.11587
2020 Baseload MPR	0.10550	0.11296	0.11965
2021 Baseload MPR	0.10916	0.11675	0.12354
2022 Baseload MPR	0.11299	0.12067	0.12752
2023 Baseload MPR	0.11691	0.12469	0.13160

2.5 Billing. PG&E shall pay Seller by check or Automated Clearing House transfer within approximately 30 days of the meter reading date if the value of the purchased Product in a month is at least fifty dollars ($50); if less, PG&E may pay Seller quarterly. PG&E shall have the right, but not the obligation, to read the Facility's meter on a daily basis.

2.6 Title and Risk of Loss. Title to and risk of loss related to Product from the Facility shall transfer from Seller to PG&E at the Delivery Point. Seller warrants that it will deliver to PG&E the Product from the Facility free and clear of all liens, security interests, claims and encumbrances or any interest therein or thereto by any person arising prior to the Delivery Point.

2.7 No Additional Incentives. Seller agrees that during the Term of this Agreement, Seller shall not seek additional compensation or other benefits pursuant to the Self-Generation Incentive Program, as defined in CPUC Decision ("D.") 01-03-073, the California Solar Initiative, as defined in CPUC D.06-01-024, PG&E's net energy metering tariff, or other similar California ratepayer subsidized program relating to energy production with respect to the Facility.

2.8 Private Energy Producer. Seller agrees to provide to Buyer copies of each of the documents identified in PUC Section 2821(d)(1), if applicable, as may be amended from time to time, as evidence of Seller's compliance with such PUC section. Such documentation shall be provided to Buyer within thirty (30) days of Seller's receipt of written request therefor.

3. GREEN ATTRIBUTES; RESOURCE ADEQUACY BENEFITS; EIRP REQUIREMENTS; ERR REQUIREMENTS

3.1 Green Attributes. Seller hereby provides and conveys all Green Attributes associated with all electricity generation from the Project to Buyer as part of the Product

being delivered. Seller represents and warrants that Seller holds the rights to all Green Attributes from the Project, and Seller agrees to convey and hereby conveys all such Green Attributes to Buyer as included in the delivery of the Product from the Project.

3.2 WREGIS. Prior to the Initial Energy Delivery Date, Seller shall register the Facility in WREGIS and take all other actions necessary to ensure that the energy produced from the Facility is tracked for purposes of satisfying the California Renewables Portfolio Standard requirements, as may be amended or supplemented by the CPUC or CEC from time to time. Seller warrants that it shall take all necessary steps to ensure the Renewable Energy Credits transferred to Buyer under this Agreement are tracked in WREGIS and transferred in a timely manner to Buyer through WREGIS for purposes of satisfying Buyer's California Renewables Portfolio Standard Requirements, as may be amended or supplemented by the CPUC or CEC from time to time.

3.2.1 A "WREGIS Certificate Deficit" means any deficit or shortfall in WREGIS Certificates delivered to Buyer for a calendar month as compared to the metered energy for the same calendar month ("Deficient Month"). If any WREGIS Certificate Deficit is caused, or the result of any action or inaction, by Seller, then the amount of the Product in the Deficient Month shall be reduced by the amount of the WREGIS Certificate Deficit for the purposes of calculating Buyer's payment(s) to Seller. Any amount owed by Seller to Buyer because of a WREGIS Certificate Deficit shall be made as an adjustment to Seller's next monthly invoice to Buyer, and Buyer shall net such amount against Buyer's subsequent payment(s) to Seller.

3.2.2 Seller warrants that all necessary steps to allow the Renewable Energy Credits transferred to Buyer to be tracked in the Western Renewable Energy Generation Information System will be taken prior to the first delivery under the contract.

3.3 Resource Adequacy Benefits. In accordance with PUC Section 399.20(g), Seller conveys to PG&E all Resource Adequacy Benefits attributable to the physical generating capacity of Seller's Facility to enable PG&E to count such capacity towards PG&E's resource adequacy requirement for purposes of PUC Section 380. Seller shall take all reasonable actions and execute documents and instructions necessary to enable Buyer to secure Resource Adequacy Benefits; Seller shall comply with all applicable reporting requirements.

3.4 Eligible Renewable Resource. Seller will use commercially reasonable efforts to achieve and maintain status as an Eligible Renewable Energy Resource or ERR per the meaning set forth in California Public Utilities Code Section 399.12 and California Public Resources Code Section 25741, as either code provision is amended or supplemented from time to time.

[The following Section 3.5 Eligible Intermittent Resources Protocol (EIRP) Requirements applies only to Facilities greater than 1.0 MWs]

3.5 Eligible Intermittent Resources Protocol (EIRP) Requirements. Seller shall provide Buyer with a copy of the notice from CAISO certifying the Project as a Participating Intermittent Resource as soon as practicable after Seller's receipt of such notice of certification. Following such certification (i) Seller at its sole cost shall participate in and comply with EIRP and all additional protocols issued by the CAISO relating to Participating Intermittent Resources (as defined in the CAISO Tariff), and (ii) Buyer in its limited capacity as Seller's Scheduling Coordinator shall facilitate communication with the CAISO and provide other administrative materials to CAISO as necessary to satisfy Seller's obligations as Seller's Scheduling Coordinator and to the extent such actions are at de minimis cost to Buyer.

4. REPRESENTATION AND WARRANTIES; COVENANTS

4.1 Representations and Warranties. On the Execution Date, each Party represents and warrants to the other Party that:

4.1.1 it is duly organized, validly existing and in good standing under the laws of the jurisdiction of its formation;

4.1.2 the execution, delivery and performance of this Agreement is within its powers, have been duly authorized by all necessary action and do not violate any of the terms and conditions in its governing documents, any contracts to which it is a party or any law, rule, regulation, order or the like applicable to it;

4.1.3 this Agreement and each other document executed and delivered in accordance with this Agreement constitutes its legally valid and binding obligation enforceable against it in accordance with its terms;

4.1.4 it is not bankrupt and there are no proceedings pending or being contemplated by it or, to its knowledge, threatened against it which would result in it being or becoming bankrupt;

4.1.5 there is not pending or, to its knowledge, threatened against it or any of its affiliates any legal proceedings that could materially adversely affect its ability to perform its obligations under this Agreement; and

4.1.6 it is acting for its own account, has made its own independent decision to enter into this Agreement and as to whether this Agreement is appropriate or proper for it based upon its own judgment, is not relying upon the advice or recommendations of the other Party in so doing, and is capable of assessing the merits of, and understands and accepts, the terms, conditions and risks of this Agreement.

4.2 General Covenants. Each Party covenants that throughout the Term of this Agreement:

4.2.1 it shall continue to be duly organized, validly existing and in good

standing under the laws of the jurisdiction of its formation;

4.2.2 it shall maintain (or obtain from time to time as required, including through renewal, as applicable) all regulatory authorizations necessary for it to legally perform its obligations under this Agreement; and

4.2.3 it shall perform its obligations under this Agreement in a manner that does not violate any of the terms and conditions in its governing documents, any contracts to which it is a party or any law, rule, regulation, order or the like applicable to it.

4.3 Seller Representation and Warranty and Covenant.

4.3.1 Representation and Warranty. In addition to the representations and warranties specified in Section 4.1, Seller makes the following additional representations and warranties as of the Execution Date:

(a) Seller's Facility is (check one) ☐ a facility owned by a state, local, or federal agency and used in the treatment or reclamation of sewage and industrial wastes; or ☐ a facility owned by a state, local, or federal agency that develops, stores, distributes or supplies water.

(b) Facility has not received an incentive under the Self-Generation Incentive Program, as defined in CPUC D.01-03-073, the California Solar Initiative, as defined in CPUC D.06-01-024, or PG&E's net energy metering tariff.

(c) Seller's execution of this Agreement will not violate PUC Section 2821(d)(1) if applicable.

(d) Seller, and, if applicable, its successors, represents and warrants that throughout the Delivery Term of this Agreement that: (i) the Project qualifies and is certified by the CEC as an Eligible Renewable Energy Resource ("ERR") as such term is defined in Public Utilities Code Section 399.12 or Section 399.16; and (ii) the Project's output delivered to Buyer qualifies under the requirements of the California Renewables Portfolio Standard. To the extent a change in law occurs after execution of this Agreement that causes this representation and warranty to be materially false or misleading, it shall not be an Event of Default if Seller has used commercially reasonable efforts to comply with such change in law.

(e) Seller and, if applicable, its successors, represents and warrants that throughout the Delivery Term of this Agreement the Renewable Energy Credits transferred to Buyer conform to the definition and attributes required for compliance with the California Renewables Portfolio Standard, as set forth in California Public Utilities Commission Decision 08-08-028, and as may be modified by subsequent decision of the California Public Utilities Commission or by subsequent legislation. To the extent a change in law occurs after execution of this Agreement that causes

this representation and warranty to be materially false or misleading, it shall not be an Event of Default if Seller has used commercially reasonable efforts to comply with such change in law.

4.3.2 Covenant. Seller hereby covenants that throughout the Term of the Agreement, the Facility is, or will qualify prior to the Initial Energy Delivery Date, as an ERR, specifically, Seller and, if applicable, its successors, represents and warrants throughout the term of the Delivery Term of each Transaction entered into under this Agreement that: (a) the Unit(s) qualifies and is certified by the CEC as an Eligible Renewable Energy Resource; and (b) the Unit(s) output delivered to Buyer qualifies under the requirements of the California Renewables Portfolio Standard. To the extent a change in law occurs after execution of this Agreement that causes this representation and warranty to be materially false or misleading, it shall not be an Event of Default if Seller has used commercially reasonable efforts to comply with such change in law.

5. GENERAL CONDITIONS

5.1 Facility Care, Interconnection and Transmission Service. If PG&E does not deem Seller's existing interconnection service, equipment and agreement satisfactory for the delivery of energy under this Agreement, Seller shall execute a Small Generator Interconnection Agreement with PG&E's Generation Interconnection Services Department and pay and be responsible for designing, installing, operating, and maintaining the Facility in accordance with all applicable laws and regulations and shall comply with all applicable PG&E, CAISO, CPUC and FERC tariff provisions, including applicable interconnection and metering requirements. Seller shall also comply with any modifications, amendments or additions to the applicable tariff and protocols. During the Delivery Term, Seller shall arrange and pay independently for any and all necessary costs under any interconnection agreement with PG&E. To make deliveries to PG&E, Seller must maintain an interconnection agreement with PG&E in full force and effect.

5.2 Metering Requirements. Seller shall comply with all applicable rules in installing a meter appropriate for deliveries pursuant to the Full Buy/Sell or Excess Sale arrangement selected in paragraph 2.2, above, which can be electronically read daily by: (a) a telephone and modem; (b) an analog or digital phone connection; or (c) an internet portal address for PG&E's Energy Data Services ("EDS"). Seller shall be responsible for procuring and maintaining the communication link to electronically retrieve this metering data.

5.3 Standard of Care. Seller shall: (a) maintain and operate the Facility and Interconnection Facilities, except facilities installed by PG&E, in conformance with all applicable laws and regulations and in accordance with Good Utility Practices, as defined by PG&E's Wholesale Distribution Tariff and the CAISO Tariff, as they may be amended, supplemented or replaced (in whole or in part) from time to time; (b) obtain any governmental authorizations and permits required for the construction and operation

thereof; and (c) generate, schedule and perform transmission services in compliance with all applicable operating policies, criteria, rules, guidelines and tariffs and Good Utility Practices, as provided in clause (a) above. Seller shall reimburse PG&E for any and all losses, damages, claims, penalties, or liability PG&E incurs as a result of Seller's failure to obtain or maintain any governmental authorizations and permits required for construction and operation of the Facility throughout the Term of this Agreement.

5.4 Access Rights. PG&E, its authorized agents, employees and inspectors shall have the right to inspect the Facility on reasonable advance notice during normal business hours and for any purposes reasonably connected with this Agreement or the exercise of any and all rights secured to PG&E by law, or its tariff schedules, PG&E Interconnection Handbook and rules on file with the CPUC. PG&E shall make reasonable efforts to coordinate its emergency activities with the Safety and Security Departments, if any, of the Facility operator. Seller shall keep PG&E advised of current procedures for communicating with the Facility operator's Safety and Security Departments.

5.5 Protection of Property. Each Party shall be responsible for protecting its own facilities from possible damage resulting from electrical disturbances or faults caused by the operation, faulty operation, or non-operation of the other Party's facilities and such other Party shall not be liable for any such damages so caused.

5.6 PG&E Performance Excuse; Seller Curtailment.

5.6.1 PG&E Performance Excuse. PG&E shall not be obligated to accept or pay for the Product from the Facility during a Dispatch Down Period, or Force Majeure, as defined in Appendix A.

5.6.2 Seller Curtailment. PG&E may require Seller to interrupt or reduce deliveries of energy: (a) when necessary to construct, install, maintain, repair, replace, remove, or investigate any of its equipment or part of PG&E's transmission system or distribution system or facilities; or (b) if PG&E or the CAISO determines that curtailment, interruption, or reduction is necessary because of a System Emergency, as defined in the CAISO Tariff, Forced Outage, Force Majeure as defined in Appendix A, or compliance with Good Utility Practice, as such term is defined in the CAISO Tariff.

5.7 Notices of Outages. Whenever possible, PG&E shall give Seller reasonable notice of the possibility that interruption or reduction of deliveries may be required.

5.8 Greenhouse Gas Emissions: During the Term, Seller acknowledges that a Governmental Authority may require Buyer to take certain actions with respect to greenhouse gas emissions *attributable to the generation of Energy*, including, but not limited to, reporting, registering, tracking, allocating for or accounting for such emissions. Promptly following Buyer's written request, Seller agrees to take all commercially reasonable actions and execute or provide any and all documents, information or

instruments *with respect to generation by the Project* reasonably necessary to permit Buyer to comply with such requirements, if any.

6. INDEMNITY

Each Party as indemnitor shall save harmless and indemnify the other Party and the directors, officers, and employees of such other Party against and from any and all loss and liability for injuries to persons including employees of either Party, and damages, including property of either Party, resulting from or arising out of: (a) the engineering, design, construction, maintenance, or operation of; or (b) the installation of replacements, additions, or betterments to the indemnitor's facilities. This indemnity and save harmless provision shall apply notwithstanding the active or passive negligence of the indemnitee. Neither Party shall be indemnified for liability or loss, resulting from its sole negligence or willful misconduct. The indemnitor shall, on the other Party's request, defend any suit asserting a claim covered by this indemnity and shall pay all costs, including reasonable attorney fees that may be incurred by the other Party in enforcing this indemnity.

7. LIMITATION OF DAMAGES

EXCEPT AS OTHERWISE PROVIDED IN THIS AGREEMENT THERE IS NO WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, AND ANY AND ALL IMPLIED WARRANTIES ARE DISCLAIMED. LIABILITY SHALL BE LIMITED TO DIRECT ACTUAL DAMAGES ONLY, SUCH DIRECT ACTUAL DAMAGES SHALL BE THE SOLE AND EXCLUSIVE REMEDY AND ALL OTHER REMEDIES OR DAMAGES AT LAW OR IN EQUITY ARE WAIVED UNLESS EXPRESSLY HEREIN PROVIDED. NEITHER PARTY SHALL BE LIABLE FOR CONSEQUENTIAL, INCIDENTAL, PUNITIVE, EXEMPLARY OR INDIRECT DAMAGES, LOST PROFITS OR OTHER BUSINESS INTERRUPTION DAMAGES, BY STATUTE, IN TORT OR CONTRACT, UNDER ANY INDEMNITY PROVISION OR OTHERWISE. UNLESS EXPRESSLY HEREIN PROVIDED, AND SUBJECT TO THE PROVISIONS OF SECTION 6 (INDEMNITY), IT IS THE INTENT OF THE PARTIES THAT THE LIMITATIONS HEREIN IMPOSED ON REMEDIES AND THE MEASURE OF DAMAGES BE WITHOUT REGARD TO THE CAUSE OR CAUSES RELATED THERETO, INCLUDING THE NEGLIGENCE OF ANY PARTY, WHETHER SUCH NEGLIGENCE BE SOLE, JOINT OR CONCURRENT, OR ACTIVE OR PASSIVE.

8. NOTICES

Notices shall, unless otherwise specified herein, be in writing and may be delivered by hand delivery, United States mail, overnight courier service, facsimile or electronic messaging (e-mail). Whenever this Agreement requires or permits delivery of a "notice" (or requires a Party to "notify"), the Party with such right or obligation shall provide a written communication in the manner specified below. A notice sent by facsimile transmission or e-mail will be recognized and shall be deemed received on the Business Day on which such

notice was transmitted if received before 5 p.m. Pacific prevailing time (and if received after 5 p.m., on the next Business Day) and a notice by overnight mail or courier shall be deemed to have been received two (2) Business Days after it was sent or such earlier time as is confirmed by the receiving Party unless it confirms a prior oral communication, in which case any such notice shall be deemed received on the day sent. A Party may change its addresses by providing notice of same in accordance with this provision. All written notices shall be directed as follows:

TO PG&E: Pacific Gas and Electric Company
Attention: Manager, Contract Management
245 Market Street, Mail Code N12E
San Francisco, CA 94177-0001

TO SELLER: _____
_____
_____
_____

9. INSURANCE

9.1 General Liability Coverage.

9.1.1 Seller shall maintain during the performance hereof, General Liability Insurance[2] of not less than $1,000,000 if the Facility's Nameplate is over 100 kW, $500,000 if the Facility's Nameplate is over 20 kW to 100kW or $100,000 if the Facility' Nameplate is 20 kW or below of combined single limit or equivalent for bodily injury, personal injury, and property damage as the result of any one occurrence.

9.1.2 General Liability Insurance shall include coverage for Premises-Operations, Owners and Contractors Protective, Products/Completed Operations Hazard, Explosion, Collapse, Underground, Contractual Liability, and Broad Form Property Damage including Completed Operations.

9.1.3 Such insurance shall provide for thirty (30) days written notice to PG&E prior to cancellation, termination, alteration, or material change of such insurance.

9.2 Additional Insurance Provisions.

[2] Governmental agencies which have an established record of self-insurance may provide the required coverage through self-insurance.

9.2.1 Evidence of coverage described above in Paragraph 9.1 shall state that coverage provided in primary and is not excess to or contributing with any insurance or self-insurance maintained by PG&E.

9.2.2 PG&E shall have the right to inspect or obtain a copy of the original policy(ies) of insurance.

9.2.3 Seller shall furnish the required certificates and endorsements to PG&E prior to commencing operation.

9.2.4 All insurance certificates, endorsements, cancellations, terminations, alterations, and material changes of such insurance shall be issued and submitted to the following:

Pacific Gas and Electric Company
Attention: Manager, Insurance Department
77 Beale Street, Room E280
San Francisco, CA 94105

10. TERM, DEFAULT, TERMINATON EVENT AND TERMINATION

10.1 Term. The term of this Agreement shall commence upon the later of: (i) execution by the duly authorized representatives of each of PG&E and Seller; or (ii) when PG&E notifies Seller that PG&E can accommodate Seller's Facility in PG&E's proportionate share of the statewide cumulative total of 250 MW as specified in PUC Section 399.20(e), and shall remain in effect until the conclusion of the Delivery Term or unless terminated sooner pursuant to Section 10.3 of this Agreement (the "Term"). All indemnity rights shall survive the termination of this Agreement for twelve (12) months.

10.2 Termination Event. Buyer shall be entitled to terminate the Agreement upon the occurrence of any of the following, each of which is a "Termination Event":

(a) The Facility has not achieved Commercial Operation within eighteen (18) months of the Execution Date of this Agreement;

(b) Seller has not sold or delivered the Product from the Facility to PG&E for a period of twelve (12) consecutive months;

(c) Seller breaches its covenant to maintain its status as an ERR as set forth in Section 4.3.2. of the Agreement.

10.3 Termination.

10.3.1 Declaration of a Termination Event. If a Termination Event has occurred and is continuing, Buyer shall have the right to: (a) send notice, designating a day, no earlier than five days after such notice is deemed to be received (as provided in Section 8) and no later than 20 days after such notice is deemed to be received (as provided in Section 8), as an early termination date of this Agreement ("Early Termination Date") unless Seller has timely communicated with Buyer and the Parties have agreed to resolve the circumstances giving rise to the termination Event; (b) accelerate all amounts owing between the Parties; and (c) terminate this Agreement and end the Delivery Term effective as of the Early Termination Date.

10.3.2 Release of Liability for Termination Event. Upon termination of this Agreement pursuant to Section 10.3.1, neither Party shall be under any further obligation or subject to liability hereunder, except with respect to the indemnity provision in Section 6 hereof, which shall remain in effect for a period of 12 months following the Early Termination Date.

11. SCHEDULING

11.1 Scheduling Obligations. PG&E shall be Seller's designated Scheduling Coordinator (as defined by CAISO tariff). PG&E will schedule Seller' project using Prudent Utility Practices and Seller shall employ Prudent Utility Practices and exercise reasonable efforts to operate and maintain its project. All generation interconnection and scheduling services shall be performed in accordance with all applicable operating policies, criteria, guidelines and tariffs of the CAISO or its successor, and any other generally accepted operational requirements. Seller, at its own expense, shall be responsible for complying with all applicable contractual, metering and interconnection requirements. Seller shall promptly notify PG&E of significant (i.e., greater than 100 kW) changes to its energy schedules using PG&E's web site (see Appendix D). Seller will exercise reasonable efforts to comply with conditions that might arise if the CAISO modifies or amends its tariffs, standards, requirements, and/or protocols in the future.

11.2 CAISO Charges.

11.2.1 CAISO Charge Obligations. PG&E and Seller shall cooperate to minimize CAISO delivery imbalances and any resulting fees, liabilities, assessments or similar charges assessed by the CAISO ("CAISO Charges") to the extent possible, and shall each promptly notify the other as soon as possible of any material loss of system capability, deviation or imbalance that is occurring or has occurred. Seller shall reimburse PG&E for any CAISO Charges PG&E incurs as a result of Seller's loss of system capability, deviation or imbalance. Any such CAISO Charges reimbursable to PG&E shall be limited to the period until the commencement of the next settlement period following Seller's notification for which the delivery schedule can be adjusted. Notwithstanding anything to the contrary herein, in the event Seller makes a change to its schedule on the actual date and time of delivery for any reason (other than an adjustment imposed by CAISO) which results in

differences between the project's actual generation and the scheduled generation (whether in part or in whole), Seller shall use reasonable efforts to notify PG&E. PG&E will make commercially reasonable efforts to accommodate Seller's changes and mitigate any imbalance penalties or charges levied for such changes.

11.2.2 CAISO Penalties. Seller shall be responsible for any "non-Performance Penalties" assessed to PG&E by the CAISO ("CAISO Penalties"), under the CAISO Tariff Enforcement Protocol, and not due to any fault of PG&E, which shall include, without limitation, any deviation, imbalance or uninstructed energy charges or penalties payable to the CAISO that are due to the fault of Seller. To the extent that Seller materially deviates from its energy schedules (other than an adjustment imposed by the CAISO, a deviation due to any fault of PG&E, or an excused Seller failure to deliver, whether for reasons of Force Majeure or otherwise), and such departure results in CAISO Penalties being assessed to PG&E, such CAISO Penalties shall be passed on to Seller. Any such CAISO Penalties passed on to Seller shall be limited to the period until the commencement of the next settlement period following Seller's notification (as described above) for which the delivery schedule can be adjusted.

12. CONFIDENTIALITY

Seller authorizes PG&E to release to the California Energy Commission ("CEC") and/or the CPUC information regarding the Facility, including the Seller's name and location, and the size, location and operational characteristics of the Facility, the Term, the ERR type, the Initial Energy Delivery Date and the net power rating of the Facility, as requested from time to time pursuant to the CEC's or CPUC's rules and regulations.

13. ASSIGNMENT

Neither Party shall assign this Agreement or its rights hereunder without the prior written consent of the other Party, which consent shall not be unreasonably withheld; provided, however, either Party may, without the consent of the other Party (and without relieving itself from liability hereunder), transfer, sell, pledge, encumber or assign this Agreement or the accounts, revenues or proceeds hereof to its financing providers and the financing provider(s) shall assume the payment and performance obligations provided under this Agreement with respect to the transferring Party provided, however, that in each such case, any such assignee shall agree in writing to be bound by the terms and conditions hereof and so long as the transferring Party delivers such tax and enforceability assurance as the non-transferring Party may reasonably request.

14. GOVERNING LAW

This agreement and the rights and duties of the parties hereunder shall be governed by and construed, enforced and performed in accordance with the laws of the state of California, without regard to principles of conflicts of law. To the extent enforceable at such time, each

party waives its respective right to any jury trial with respect to any litigation arising under or in connection with this agreement.

15. SEVERABILITY

If any provision in this Agreement is determined to be invalid, void or unenforceable by the CPUC or any court having jurisdiction, such determination shall not invalidate, void, or make unenforceable any other provision, agreement or covenant of this Agreement and the Parties shall use their best efforts to modify this Agreement to give effect to the original intention of the Parties.

16. COUNTERPARTS

This Agreement may be executed in one or more counterparts each of which shall be deemed an original and all of which shall be deemed one and the same Agreement. Delivery of an executed counterpart of this Agreement by facsimile or PDF transmission will be deemed as effective as delivery of an originally executed counterpart. Each Party delivering an executed counterpart of this Agreement by facsimile or PDF transmission will also deliver an originally executed counterpart, but the failure of any Party to deliver an originally executed counterpart of this Agreement will not affect the validity or effectiveness of this Agreement.

17. GENERAL

The CPUC has reviewed and approved this Agreement. No amendment to or modification of this Agreement shall be enforceable unless reduced to writing and executed by both parties. This Agreement shall not impart any rights enforceable by any third party other than a permitted successor or assignee bound to this Agreement. Waiver by a Party of any default by the other Party shall not be construed as a waiver of any other default. The term “including” when used in this Agreement shall be by way of example only and shall not be considered in any way to be in limitation. The headings used herein are for convenience and reference purposes only.

IN WITNESS WHEREOF, each Party has caused this Agreement to be duly executed by its authorized representative as of the date of last signature provided below.

This agreement is effective when accepted and executed by PG&E.

Seller	**PACIFIC GAS AND ELECTRIC COMPANY**
Authorized by (Print)	Authorized by (Print)
Signature	Signature
Title	Title
Date	Date

Appendix A
DEFINITIONS

"Business Day" means any day except a Saturday, Sunday, or a Federal Reserve Bank holiday during the hours of 8:00 a.m. and 5:00 p.m. local time for the relevant Party's principal place of business where the relevant Party in each instance shall be the Party from whom the notice, payment or delivery is being sent.

"CAISO" means the California Independent System Operator Corporation or any successor entity performing similar functions.

"CAISO Tariff" means the CAISO FERC Electric Tariff, Third Replacement Volume No. 1, as amended from time to time.

"California Renewables Portfolio Standard" means the renewable energy program and policies established by Senate Bill 1038 and 1078, codified in California Public Utilities Code Sections 399.11 through 399.20 and California Public Resources Code Sections 25740 through 25751, as such provisions may be amended or supplemented from time to time.

"CEC" means the California Energy Commission or its successor agency.

"Commercial Operation Date" means the date on which the Facility is operating and is in compliance with applicable interconnection and system protection requirements, and able to produce and deliver energy to PG&E pursuant to the terms of this Agreement.

"Contract Year" means a period of twelve (12) consecutive months with the first Contract Year commencing on the first day of the month immediately following the Initial Energy Delivery Date and each subsequent Contract Year commencing on the anniversary of the Initial Energy Delivery Date.

"CPUC" means the California Public Utilities Commission, or successor entity.

"Delivery Point" means the point of interconnection to the PG&E distribution or transmission system.

"Dispatch Down Period" means: (a) curtailments ordered by the CAISO or PG&E as a result of a System Emergency, as defined in the CAISO Tariff; or (b) scheduled or unscheduled maintenance on PG&E's transmission, distribution or interconnection facilities that prevents Buyer from receiving Delivered Energy at the Delivery Point. Notwithstanding the foregoing sentence, Buyer shall have the option in its sole discretion to curtail Seller's energy deliveries up to 50 (fifty) hours each calendar year.

"Eligible Renewable Energy Resource" or "ERR" has the meaning set forth in Public Utilities Code Sections 399.12 and California Public Resources Code Section 25741, as either code provision may be amended or supplemented from time to time.

"Execution Date" means the latest signature date found at the end of the Agreement.

"FERC" means the Federal Energy Regulatory Commission or any successor

government agency.

"Forced Outage" means any unplanned reduction or suspension of the electrical output from the Facility resulting in the unavailability of the Facility, in whole or in part, in response to a mechanical, electrical, or hydraulic control system trip or operator-initiated trip in response to an alarm or equipment malfunction and any other unavailability of the Facility for operation, in whole or in part, for maintenance or repair that is not a scheduled maintenance outage and not the result of Force Majeure.

"Force Majeure" means any event or circumstance which wholly or partly prevents or delays the performance of any material obligation arising under this Agreement, but only if and to the extent (i) such event is not within the reasonable control, directly or indirectly, of the Party seeking to have its performance obligation(s) excused thereby, (ii) the Party seeking to have its performance obligation(s) excused thereby has taken all reasonable precautions and measures to prevent or avoid such event or mitigate the effect of such event on such Party's ability to perform its obligations under this Agreement and which by the exercise of due diligence such Party could not reasonably have been expected to avoid and which by the exercise of due diligence it has been unable to overcome, and (iii) such event is not the direct or indirect result of the negligence or the failure of, or caused by, the Party seeking to have its performance obligations excused thereby. Force Majeure shall not be based on: (i) PG&E's inability economically to use or resell the energy or capacity purchased hereunder; (ii) Seller's ability to sell the energy, capacity or other benefits produced by or associated with the Facility at a price greater than the price set forth in this Agreement, (iii) Seller's inability to obtain approvals of any type for the construction, operation, or maintenance of the Facility; (iv) Seller's inability to obtain sufficient fuel to operate the Facility, except if Seller's inability to obtain sufficient fuel is caused by an event of Force Majeure of the specific type described in any of subsections (i) through (iv) of this definition of Force Majeure; (v) a Forced Outage except where such Forced Outage is caused by an event of Force Majeure of the specific type described in any of subsections (i) through (iv) of this definition of Force Majeure; (vi) a strike or labor dispute limited only to Seller, Seller's affiliates, the Engineering, Procurement, and Construction Contractor or subcontractors thereof; or (vii) any equipment failure not caused by an event of Force Majeure of the specific type described in any of subsections (i) through (iv) of this definition of Force Majeure.

"Green Attributes" means any and all credits, benefits, emissions reductions, offsets, and allowances, howsoever entitled, attributable to the generation from the Project, and its avoided emission of pollutants. Green Attributes include but are not limited to Renewable Energy Credits, as well as: (1) any avoided emission of pollutants to the air, soil or water such as sulfur oxides (SOx), nitrogen oxides (NOx), carbon monoxide (CO) and other pollutants; (2) any avoided emissions of carbon dioxide (CO2), methane (CH4), nitrous oxide, hydrofluorocarbons, perfluorocarbons, sulfur hexafluoride and other greenhouse gases (GHGs) that have been determined by the United Nations Intergovernmental Panel on Climate Change, or otherwise by law, to contribute to the actual or potential threat of altering

the Earth's climate by trapping heat in the atmosphere;[3] (3) the reporting rights to these avoided emissions, such as Green Tag Reporting Rights. Green Tag Reporting Rights are the right of a Green Tag Purchaser to report the ownership of accumulated Green Tags in compliance with federal or state law, if applicable, and to a federal or state agency or any other party at the Green Tag Purchaser's discretion, and include without limitation those Green Tag Reporting Rights accruing under Section 1605(b) of The Energy Policy Act of 1992 and any present or future federal, state, or local law, regulation or bill, and international or foreign emissions trading program. Green Tags are accumulated on a MWh basis and one Green Tag represents the Green Attributes associated with one (1) MWh of Energy. Green Attributes do not include (i) any energy, capacity, reliability or other power attributes from the Project, (ii) production tax credits associated with the construction or operation of the Project and other financial incentives in the form of credits, reductions, or allowances associated with the project that are applicable to a state or federal income taxation obligation, (iii) fuel-related subsidies or "tipping fees" that may be paid to Seller to accept certain fuels, or local subsidies received by the generator for the destruction of particular preexisting pollutants or the promotion of local environmental benefits, or (iv) emission reduction credits encumbered or used by the Project for compliance with local, state, or federal operating and/or air quality permits. If the Project is a biomass or biogas facility and Seller receives any tradable Green Attributes based on the greenhouse gas reduction benefits or other emission offsets attributed to its fuel usage, it shall provide Buyer with sufficient Green Attributes to ensure that there are zero net emissions associated with the production of electricity from the Project.

"Law" means any statute, law, treaty, rule, regulation, ordinance, code, permit, enactment, injunction, order, writ, decision, authorization, judgment, decree or other legal or regulatory determination or restriction by a court or Governmental Authority of competent jurisdiction, including any of the foregoing that are enacted, amended, or issued after the Execution Date, and which becomes effective during the Delivery Term; or any binding interpretation of the foregoing."Market Price Referent" means the market price referent applicable to this Agreement, as determined by the CPUC in accordance with Public Utilities Code Section 399.15(c), as may be amended or modified from time to time.

"Nameplate" has the meaning set forth in Section 2.1.4.

"Product" means the Energy (net of Station Use), capacity and all ancillary products, services or attributes similar to the foregoing which are or can be produced by or associated with the Facility, including, without limitation, renewable attributes, Renewable Energy Credits, Resource Adequacy Benefits and Green Attributes.

"Renewable Energy Credit" has the meaning set forth in Public Utilities Code Section 399.12(h), as may be amended from time to time or as further defined or supplemented by

[3] Avoided emissions may or may not have any value for GHG compliance purposes. Although avoided emissions are included in the list of Green Attributes, this inclusion does not create any right to use those avoided emissions to comply with any GHG regulatory program.

Law.

"Resource Adequacy Benefits" means the rights and privileges attached to the Facility that satisfy any entity's resource adequacy obligations, as those obligations are set forth in any Resource Adequacy Rulings and shall include any local, zonal or otherwise locational attributes associated with the Facility.

"Resource Adequacy Rulings" means CPUC Decisions 04-01-050, 04-10-035, 05-10-042, 06-06-064, 06-07-031 and any subsequent CPUC ruling or decision, or any other resource adequacy laws, rules or regulations enacted, adopted or promulgated by any applicable governmental authority, as such decisions, rulings, laws, rules or regulations may be amended or modified from time-to-time during the Delivery Term.

"Station Use" means energy consumed within the Facility's electric energy distribution system as losses, as well as energy used to operate the Facility's auxiliary equipment. The auxiliary equipment may include, but is not limited to, forced and induced draft fans, cooling towers, boiler feeds pumps, lubricating oil systems, plant lighting, fuel handling systems, control systems, and sump pumps.

"WREGIS" means the Western Renewable Energy Generating Information System or any successor renewable energy tracking program.

"WREGIS Certificate Deficit" has the meaning set forth in Section 3.2.

Appendix B

INITIAL ENERGY DELIVERY DATE CONFIRMATION LETTER

In accordance with the terms of that certain Section 399.20 Power Purchase Agreement dated _____ ("Agreement") by and between Pacific Gas and Electric Company ("PG&E") and _____ ("Seller"), this letter serves to document the parties further agreement that (i) the conditions precedent to the occurrence of the Initial Energy Delivery Date have been satisfied, and (ii) Seller has scheduled and PG&E has received the energy, as specified in the Agreement, as of this _____ day of _____, _____. This letter shall confirm the Initial Energy Delivery Date, as defined in the Agreement, as the date referenced in the preceding sentence.

IN WITNESS WHEREOF, each Party has caused this Agreement to be duly executed by its authorized representative as of the date of last signature provided below:

By:	By: Pacific Gas and Electric Company
Signed: _____	Signed: _____
Name: _____	Name: _____
Title: _____	Title: _____
Date: _____	Date: _____

Appendix C
Time of Delivery (TOD) Periods & Factors

Monthly Period	Super-Peak[1]	Shoulder[2]	Night[3]
Jun – Sep	2.38	1.12	0.59
Oct.- Dec., Jan. & Feb.	1.10	.94	0.66
Mar. – May	1.22	0.90	0.61

Definitions:

1. Super-Peak (5x8) = HE (Hours Ending) 13 – 20 (Pacific Prevailing Time (PPT)), Monday - Friday (*except* NERC holidays) in the applicable Monthly Period.
2. Shoulder = HE 7 - 12, 21 and 22 PPT, Monday - Friday (*except* NERC holidays); and HE 7 - 22 PPT Saturday, Sunday and *all* NERC holidays in the applicable Monthly Period.
3. Night (7x8) = HE 1 - 6, 23 and 24 PPT all days *(including* NERC holidays) in the applicable Monthly Period.

"NERC Holidays" mean the following holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, and Christmas Day. Three of these days, Memorial Day, Labor Day, and Thanksgiving Day occur on the same day each year. Memorial Day is the last Monday in May; Labor Day is the first Monday in September; and Thanksgiving Day is the 4th Thursday in November. New Year's Day, Independence Day, and Christmas Day, by definition, are predetermined dates each year. However, in the event they occur on a Sunday, the "NERC Holiday" is celebrated on the Monday immediately following that Sunday. However, if any of these days occur on a Saturday, the "NERC Holiday" remains on that Saturday.

Appendix D

COUNTERPARTY NOTIFICATION AND FORECASTING REQUIREMENTS

A. NOTIFICATION REQUIREMENTS FOR START-UP AND SHUTDOWN

Prior to paralleling to or after disconnecting from the electric system, ALWAYS notify your designated Distribution Operator as follows:

1. Call your Distribution Operator for permission to parallel before any start-up.
2. Call your Distribution Operator again after start-up with parallel time.
3. Call your Distribution Operator after any separation and report separation time as well as date and time estimate for return to service.

B. FORECASTING REQUIREMENTS

1. Seller shall abide with all established requirements and procedures described below:

(a) Generating Facilities 1000 kW and greater must comply with the CAISO Tariff and Protocols while generating facilities under 1000 kW must comply with all applicable interconnection, communication and metering rules; and

(b) Generating Facilities 100 kW and greater must provide a weekly forecast of their expected generation output.

2. Weekly Energy Forecasting Procedures.

Seller must meet all of the following requirements specified below:

Beginning the Wednesday prior to the planned Initial Operation of the Generating Facility, Seller will electronically provide PG&E with an Energy Forecast for the next calendar week, by no later than 5 PM Wednesday of the week preceding the week covered by the Energy Forecast.

The Weekly Energy Forecast submitted to PG&E shall:
a) Not include any anticipated or expected electric energy losses;
b) Be submitted using PG&E's website at https:// http://www.pge.com/odms, or as otherwise instructed by PG&E;
c) Include Seller's contact information;

d) Limit Day Ahead forecast changes to no less than 100 kW.

3. Outage and Scheduled Maintenance Reporting Procedures.

Submit outage information by posting on PG&E's website athttp://www.pge.com/odms. If the website is unavailable, implement the procedures set forth below:

For project outages, complete the specifics below and submit by email to DAenergy@pge.com and Bilat_Settlements@pge.com

Email subject Field: dd/mm/yyyy – dd/mm/yyyy XYZ Company Project #2 Outage Notification

Email body:

Type of Outage: Planned Outage, Forced Outage, Prolonged Outage
Start Date and Start Time
Estimated or Actual End Date and End Time
Date and time when reported to PG&E and name(s) of PG&E representative(s)contacted.

C. CHANGES TO OPERATING PROCEEDURES.

Seller understands and acknowledges that the specified transmission and scheduling mechanisms, metering requirements, Forecasting , Outage and Scheduling Maintenance Reporting Procedures described therein are subject to change by Buyer from time to time and, upon receipt of Notice of any such changes, Seller agrees to work in good faith to implement any such changes as reasonably deemed necessary by Buyer; provided that such change does not result in an increase cost of performance to Seller hereunder other than de minimis amounts.

Appendix E

Attach a description of the Facility, including a summary of its significant components, a drawing showing the general arrangements of the Facility, and a single line diagram illustrating the interconnection of the Facility and loads with PG&E's electric distribution or transmission system.

Electric Sample Form No. 79-1103 Sheet 1
Small Renewable Generator Power Purchase Agreement

Please Refer to Attached Sample Form

Pacific Gas and Electric Company

DISTRIBUTION:

☐ XXXX
☐ XXXX
☐ XXXX
☐ XXXX
☐ _____

REFERENCE:

_____
_____
_____
_____
_____

SMALL RENEWABLE GENERATOR POWER PURCHASE AGREEMENT

PACIFIC GAS AND ELECTRIC COMPANY, a California Corporation ("PG&E" or "Buyer"), and _____ ("Seller") hereby enter into this Power Purchase Agreement ("Agreement"). Seller and PG&E are sometimes referred to in this Agreement jointly as "Parties" or individually as "Party." In consideration of the mutual promises and obligations stated in this Agreement and its appendices, the Parties agree as follows:

1. DOCUMENTS INCLUDED; DEFINED TERMS

This Agreement includes the following appendices, which are specifically incorporated herein and made a part of this Agreement.

Appendix A - Definitions

Appendix B - Initial Energy Delivery Date Confirmation Letter

Appendix C - Time of Delivery ("TOD") Periods and Factors

Appendix D - Counterparty Notification Requirements for Outage and Generation Schedule Changes

Appendix E - Description of the Facility

2. SELLER'S GENERATING FACILITY, PURCHASE PRICES AND PAYMENT

2.1 Facility. This Agreement governs PG&E's purchase of the Product from the electrical generating facility (hereinafter referred to as the "Facility" or "Unit" or "Project") as described in this Section.

2.1.1 The Facility is located at:

_____

_____

_____

_____ County, California.

2.1.2 The Facility is named _____.

2.1.3 The Facility's primary fuel is _____ [i.e. biogas, hydro, etc.].

2.1.4 The Facility has a Nameplate of ___ kilowatts ("kW"), at unity power factor at 60 degrees Fahrenheit at sea level and has a primary voltage level of ____ kilovolts ("kV"). Seller shall not modify the Facility to increase the Nameplate without the prior written consent of PG&E. The Nameplate will be net of any Station Use, or in the case of solar it will be net of any inverter losses. The Nameplate will not exceed 1,500 kW.

2.1.5 The Facility is connected to the PG&E electric system at _____ kV.

2.1.6 If not already capable of delivering energy on the Execution Date, the Facility's scheduled Commercial Operation Date is _____.

2.1.7 A description of the Facility, including a summary of its significant components, a drawing showing the general arrangements of the Facility, and a single line diagram illustrating the interconnection of the Facility and loads with PG&E's electric distribution or transmission system, is attached and incorporated herein as Appendix E.

2.1.8 The name and address PG&E uses to locate the electric service account(s) and premises used to interconnect the Facility with PG&E's distribution systems is:

_____

_____

_____

_____

2.2 Transaction. During the Delivery Term of this Agreement, as provided in Section 2.3, Seller shall sell and deliver, or cause to be delivered, and PG&E shall purchase and receive, or cause to be received, the Product from the Facility, up to 1,500 kW, at the Delivery Point, as defined pursuant to Section 5.1, pursuant to Seller's election of a (check one) ☐ full buy/sell or ☐ excess sale arrangement as described in paragraphs 2.2.1 and 2.2.2 below. PG&E shall pay Seller the Contract Price, set forth in Section 2.4, in accordance with the terms hereof. In no event shall Seller have the right to procure the Product from sources other than the Facility for sale or delivery to PG&E under this Agreement or substitute such Product. PG&E shall have no obligation to receive or purchase the Product from Seller prior to the Initial Energy Delivery Date, as defined in Section 2.3, or after the end of the Delivery Term, as defined in Section 2.3.

2.2.1 Full Buy/Sell. Seller agrees to sell to PG&E the Facility's gross output in kilowatt-hours, net of Station Use and transformation and transmission losses to the Delivery Point into the PG&E system, together with all Green Attributes and Resource

Adequacy Benefits. Seller shall purchase all energy required to serve the Facility's on-site load, net of Station Use, from PG&E pursuant to PG&E's applicable retail rate schedule.

2.2.2 Excess Sale. Seller agrees to sell to PG&E the Facility's gross output in kilowatt-hours, net of Station Use and any on-site use by Seller and transformation and transmission losses to the Delivery Point into the PG&E system. Seller agrees to convey to PG&E all Green Attributes and Resource Adequacy Benefits associated with the energy sold to PG&E.

2.3 Delivery Term. The Seller shall deliver the Product from the Facility to PG&E for a period of (check one) ☐ ten (10), ☐ fifteen (15), or ☐ twenty (20) Contract Years ("Delivery Term"), which shall commence on the first date on which energy is delivered from the Facility to PG&E ("Initial Energy Delivery Date") under this Agreement and continue until the end of the last Contract Year unless terminated by the terms of this Agreement. The Initial Energy Delivery Date shall occur only when all of the following conditions have been satisfied:

(i) the Commercial Operation Date has occurred, if the Facility was not in operation prior to the Execution Date of this Agreement;

(ii) the Facility's status as an Eligible Renewable Energy Resource, is demonstrated by Seller's receipt of certification from the California Energy Commission ("CEC") and is registered in WREGIS; and

(iii) as evidence of the Initial Energy Delivery Date, the Parties shall execute and exchange the "Initial Energy Delivery Date Confirmation Letter" attached hereto as Appendix B on the Initial Energy Delivery Date.

2.4 Contract Price. PG&E shall pay Seller for each kilowatt hour ("kWh") of the Product delivered to PG&E during each Contract Year for the Delivery Term at the applicable Market Price Referent specified below for the Facility's actual Commercial Operation Date. Payment shall be adjusted by the appropriate Time of Delivery ("TOD") factor listed in Appendix C.

Adopted 2011 Market Price Referents - Long-Term Contracts[1] (Nominal - dollars/kWh)			
Resource Type	**10-Year**	**15-Year**	**20-Year**

[1] Note: Using 2011 as the base year, Staff calculates MPRs for 2012-2023 that reflect different project online dates. Link to 2011 MPR Model: https://www.cpuc.ca.gov/general.aspx?id=5599

2012 Baseload MPR	0.07688	0.08352	0.08956
2013 Baseload MPR	0.08103	0.08775	0.09375
2014 Baseload MPR	0.08454	0.09151	0.09756
2015 Baseload MPR	0.08804	0.09520	0.10132
2016 Baseload MPR	0.09156	0.09883	0.10509
2017 Baseload MPR	0.09488	0.10223	0.10859
2018 Baseload MPR	0.09831	0.10570	0.11218
2019 Baseload MPR	0.10186	0.10928	0.11587
2020 Baseload MPR	0.10550	0.11296	0.11965
2021 Baseload MPR	0.10916	0.11675	0.12354
2022 Baseload MPR	0.11299	0.12067	0.12752
2023 Baseload MPR	0.11691	0.12469	0.13160

2.5 Billing. PG&E shall pay Seller by check or Automated Clearing House transfer within approximately thirty (30) days of the meter reading date if the value of the purchased Product in a month is at least fifty dollars ($50); if less, PG&E may pay Seller quarterly. PG&E shall have the right, but not the obligation, to read the Facility's meter on a daily basis.

2.6 Title and Risk of Loss. Title to and risk of loss related to the Product from the Facility shall transfer from Seller to PG&E at the Delivery Point. Seller warrants that it will deliver to PG&E the Product from the Facility free and clear of all liens, security interests, claims and encumbrances or any interest therein or thereto by any person arising prior to the Delivery Point.

2.7 No Additional Incentives. Seller agrees that during the Term of this Agreement, Seller shall not seek additional compensation or other benefits pursuant to the Self-Generation Incentive Program, as defined in California Public Utilities Commission ("CPUC") Decision ("D.") 01-03-073, the California Solar Initiative, as defined in CPUC D.06-01-024, PG&E's net energy metering tariff, or other similar California ratepayer subsidized program relating to energy production with respect to the Facility.

2.8 Private Energy Producer. Seller agrees to provide to Buyer copies of each of the documents identified in California Public Utilities Code ("PUC") Section 2821(d)(1), if applicable, as may be amended from time to time, as evidence of Seller's compliance with such PUC section. Such documentation shall be provided to Buyer within thirty (30) days of Seller's receipt of written request.

3. GREEN ATTRIBUTES; RESOURCE ADEQUACY BENEFITS; EIRP REQUIREMENTS; ERR REQUIREMENTS

3.1 Green Attributes. Seller hereby provides and conveys all Green Attributes associated with all electricity generation from the Project to Buyer as part of the Product being delivered. Seller represents and warrants that Seller holds the rights to all Green Attributes from the Project, and Seller agrees to convey and hereby conveys all such Green Attributes to Buyer as included in the delivery of the Product from the Project.

3.2 WREGIS. Prior to the Initial Energy Delivery Date, Seller shall register the Facility in WREGIS and take all other actions necessary to ensure that the energy produced from the Facility is tracked for purposes of satisfying the California Renewables Portfolio Standard requirements, as may be amended or supplemented by the CPUC or CEC from time to time. Seller warrants that all it shall take all necessary steps to ensure the Renewable Energy Credits transferred to Buyer under this Agreement are tracked in WREGIS and transferred in a timely manner to Buyer through WREGIS for purposes of satisfying Buyer's California Renewables Portfolio Standard Requirements, as may be amended or supplemented by the CPUC or CEC from time to time.

3.2.1 A "WREGIS Certificate Deficit" means any deficit or shortfall in WREGIS Certificates delivered to Buyer for a calendar month as compared to the metered energy for the same calendar month ("Deficient Month"). If any WREGIS Certificate Deficit is caused, or the result of any action or inaction, by Seller, then the amount of the Product in the Deficient Month shall be reduced by the amount of the WREGIS Certificate Deficit for the purposes of calculating Buyer's payment(s) to Seller. Any amount owed by Seller to Buyer because of a WREGIS Certificate Deficit shall be made as an adjustment to Seller's next monthly invoice to Buyer, and Buyer shall net such amount against Buyer's subsequent payment(s) to Seller.

3.2.2 Seller warrants that all necessary steps to allow the Renewable Energy Credits transferred to Buyer to be tracked in the Western Renewable Energy Generation Information System will be taken prior to the first delivery under the contract.

3.3 Resource Adequacy Benefits. In accordance with PUC Section 399.20(g), Seller conveys to PG&E all Resource Adequacy Benefits attributable to the physical generating capacity of Seller's Facility to enable PG&E to count such capacity towards PG&E's resource adequacy requirement for purposes of PUC Section 380. Seller shall take all reasonable actions and execute documents and instructions necessary to enable Buyer to secure Resource Adequacy Benefits; Seller shall comply with all applicable reporting requirements.

3.4 Eligible Renewable Resource. Seller will use commercially reasonable efforts to achieve and maintain status as an Eligible Renewable Energy Resource or ERR per the meaning set forth in California Public Utilities Code Section 399.12 and California Public Resources Code Section 25741, as either code provision is amended or supplemented from time to time.

[The following Section 3.5 Eligible Intermittent Resources Protocol Requirements applies only to Facilities greater than 1.0 MW]

3.5 Eligible Intermittent Resources Protocol ("EIRP") Requirements. Seller shall provide Buyer with a copy of the notice from CAISO certifying the Facility as a Participating Intermittent Resource as soon as practicable after Seller's receipt of such notice of certification. Following such certification: (i) Seller at its sole cost shall participate in and comply with EIRP and all additional protocols issued by the CAISO relating to Participating Intermittent Resources (as defined in the CAISO Tariff), and (ii) Buyer in its limited capacity as Seller's Scheduling Coordinator shall facilitate communication with the CAISO and provide other administrative materials to the CAISO as necessary to satisfy Seller's obligations and to the extent such actions are at *de minimis* cost to Buyer.

4. REPRESENTATION AND WARRANTIES; COVENANTS

4.1 Representations and Warranties. On the Execution Date, each Party represents and warrants to the other Party that:

4.1.1 it is duly organized, validly existing and in good standing under the laws of the jurisdiction of its formation;

4.1.2 the execution, delivery and performance of this Agreement is within its powers, have been duly authorized by all necessary action and do not violate any of the terms and conditions in its governing documents, any contracts to which it is a party or any law, rule, regulation, order or the like applicable to it;

4.1.3 this Agreement and each other document executed and delivered in accordance with this Agreement constitutes its legally valid and binding obligation enforceable against it in accordance with its terms;

4.1.4 it is not bankrupt and there are no proceedings pending or being contemplated by it or, to its knowledge, threatened against it which would result in it being or becoming bankrupt;

4.1.5 there is not pending or, to its knowledge, threatened against it or any of its affiliates any legal proceedings that could materially adversely affect its ability to perform its obligations under this Agreement; and

4.1.6 it is acting for its own account, has made its own independent decision to enter into this Agreement and as to whether this Agreement is appropriate or proper for it based upon its own judgment, is not relying upon the advice or recommendations of the other Party in so doing, and is capable of assessing the merits of, and understands and accepts, the terms, conditions and risks of this Agreement.

4.2 General Covenants. Each Party covenants that throughout the Term of this Agreement:

4.2.1 it shall continue to be duly organized, validly existing and in good standing under the laws of the jurisdiction of its formation;

4.2.2 it shall maintain (or obtain from time to time as required, including through renewal, as applicable) all regulatory authorizations necessary for it to legally perform its obligations under this Agreement; and

4.2.3 it shall perform its obligations under this Agreement in a manner that does not violate any of the terms and conditions in its governing documents, any contracts to which it is a party or any law, rule, regulation, order or the like applicable to it.

4.3 Seller Representation and Warranty and Covenant.

4.3.1 Representation and Warranty. In addition to the representations and warranties specified in Section 4.1, Seller makes the following additional representations and warranties as of the Execution Date:

(a) The Facility has not received an incentive under the Self-Generation Incentive Program, as defined in CPUC D.01-03-073, the California Solar Initiative, as defined in CPUC D.06-01-024, or PG&E's net energy metering tariff.

(b) Seller's execution of this Agreement will not violate PUC Section 2821(d)(1) if applicable.

(c) Seller, and, if applicable, its successors, represents and warrants that throughout the Delivery Term of this Agreement that: (i) the Project qualifies and is certified by the CEC as an Eligible Renewable Energy Resource ("ERR") as such term is defined in Public Utilities Code Section 399.12 or Section 399.16; and (ii) the Project's output delivered to Buyer qualifies under the requirements of the California Renewables Portfolio Standard. To the extent a change in law occurs after execution of this Agreement that causes this representation and warranty to be materially false or misleading, it shall not be an Event of Default if Seller has used commercially reasonable efforts to comply with such change in law.

(d) Seller and, if applicable, its successors, represents and warrants that throughout the Delivery Term of this Agreement the Renewable Energy Credits transferred to Buyer conform to the definition and attributes required for compliance with the California Renewables Portfolio Standard, as set forth in California Public Utilities Commission Decision 08-08-028, and as may be modified by subsequent decision of the California Public Utilities Commission or by subsequent legislation. To the extent a change in law occurs after execution of this Agreement that causes

this representation and warranty to be materially false or misleading, it shall not be an Event of Default if Seller has used commercially reasonable efforts to comply with such change in law.

4.3.2 Covenant. Seller hereby covenants that throughout the Term of the Agreement, the Facility is, or will qualify prior to the Initial Energy Delivery Date, as an ERR, specifically, Seller and, if applicable, its successors, represents and warrants throughout the term of the Delivery Term of each Transaction entered into under this Agreement that: (a) the Unit(s) qualifies and is certified by the CEC as an Eligible Renewable Energy Resource; and (b) the Unit(s) output delivered to Buyer qualifies under the requirements of the California Renewables Portfolio Standard. To the extent a change in law occurs after execution of this Agreement that causes this representation and warranty to be materially false or misleading, it shall not be an Event of Default if Seller has used commercially reasonable efforts to comply with such change in law.

5. GENERAL CONDITIONS

5.1 Facility Care, Interconnection and Transmission Service. Seller shall execute a Small Generator Interconnection Agreement with PG&E's Generation Interconnection Services Department and pay and be responsible for designing, installing, operating, and maintaining the Facility in accordance with all applicable laws and regulations and shall comply with all applicable PG&E, CAISO, CPUC and FERC tariff provisions, including applicable interconnection and metering requirements. Seller shall also comply with any modifications, amendments or additions to the applicable tariff and protocols. During the Delivery Term, Seller shall arrange and pay independently for any and all necessary costs under any interconnection agreement with PG&E. To make deliveries to PG&E, Seller must maintain an interconnection agreement with PG&E in full force and effect.

5.2 Metering Requirements. Seller shall comply with all applicable rules in installing a meter appropriate for deliveries pursuant to the Full Buy/Sell or Excess Sale arrangement selected in paragraph 2.2, above, which can be electronically read daily by: (a) a telephone and modem; (b) an analog or digital phone connection; or (c) an internet portal address for PG&E's Energy Data Services ("EDS"). Seller shall be responsible for procuring and maintaining the communication link to electronically retrieve this metering data.

5.3 Standard of Care. Seller shall: (a) maintain and operate the Facility and Interconnection Facilities, except facilities installed by PG&E, in conformance with all applicable laws and regulations and in accordance with Good Utility Practices, as defined by PG&E's Wholesale Distribution Tariff and the CAISO Tariff, as they may be amended, supplemented or replaced (in whole or in part) from time to time; (b) obtain any governmental authorizations and permits required for the construction and operation

thereof; and (c) generate, schedule and perform transmission services in compliance with all applicable operating policies, criteria, rules, guidelines and tariffs and Good Utility Practices, as provided in clause (a) above. Seller shall reimburse PG&E for any and all losses, damages, claims, penalties, or liability PG&E incurs as a result of Seller's failure to obtain or maintain any governmental authorizations and permits required for construction and operation of the Facility throughout the Term of this Agreement.

5.4 Access Rights. PG&E, its authorized agents, employees and inspectors shall have the right to inspect the Facility on reasonable advance notice during normal business hours and for any purposes reasonably connected with this Agreement or the exercise of any and all rights secured to PG&E by law, or its tariff schedules, PG&E Interconnection Handbook, and rules on file with the CPUC. PG&E shall make reasonable efforts to coordinate its emergency activities with the Safety and Security Departments, if any, of the Facility operator. Seller shall keep PG&E advised of current procedures for communicating with the Facility operator's Safety and Security Departments.

5.5 Protection of Property. Each Party shall be responsible for protecting its own facilities from possible damage resulting from electrical disturbances or faults caused by the operation, faulty operation, or non-operation of the other Party's facilities and such other Party shall not be liable for any such damages so caused.

5.6 PG&E Performance Excuse; Seller Curtailment.

5.6.1 PG&E Performance Excuse. PG&E shall not be obligated to accept or pay for the Product from the Facility during a Dispatch Down Period, or Force Majeure, as defined in Appendix A.

5.6.2 Seller Curtailment. PG&E may require Seller to interrupt or reduce deliveries of energy: (a) when necessary to construct, install, maintain, repair, replace, remove, or investigate any of its equipment or part of PG&E's transmission system or distribution system or facilities; or (b) if PG&E or the CAISO determines that curtailment, interruption, or reduction is necessary because of a System Emergency, as defined in the CAISO Tariff, Forced Outage, Force Majeure as defined in Appendix A, or compliance with Good Utility Practice, as such term is defined in the CAISO Tariff.

5.7 Notices of Outages. Whenever possible, PG&E shall give Seller reasonable notice of the possibility that interruption or reduction of deliveries may be required.

5.8 Greenhouse Gas Emissions: During the Term, Seller acknowledges that a Governmental Authority may require Buyer to take certain actions with respect to greenhouse gas emissions attributable to the generation of energy, including, but not limited to, reporting, registering, tracking, allocating for or accounting for such emissions. Promptly following Buyer's written request, Seller agrees to take all commercially

reasonable actions and execute or provide any and all documents, information or instruments with respect to generation by the Facility reasonably necessary to permit Buyer to comply with such requirements, if any.

6. INDEMNITY

Each Party as indemnitor shall save harmless and indemnify the other Party and the directors, officers, and employees of such other Party against and from any and all loss and liability for injuries to persons including employees of either Party, and damages, including property of either Party, resulting from or arising out of: (a) the engineering, design, construction, maintenance, or operation of; or (b) the installation of replacements, additions, or betterments to the indemnitor's facilities. This indemnity and save harmless provision shall apply notwithstanding the active or passive negligence of the indemnitee. Neither Party shall be indemnified for liability or loss, resulting from its sole negligence or willful misconduct. The indemnitor shall, on the other Party's request, defend any suit asserting a claim covered by this indemnity and shall pay all costs, including reasonable attorney fees that may be incurred by the other Party in enforcing this indemnity.

7. LIMITATION OF DAMAGES

EXCEPT AS OTHERWISE PROVIDED IN THIS AGREEMENT THERE IS NO WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, AND ANY AND ALL IMPLIED WARRANTIES ARE DISCLAIMED. LIABILITY SHALL BE LIMITED TO DIRECT ACTUAL DAMAGES ONLY, SUCH DIRECT ACTUAL DAMAGES SHALL BE THE SOLE AND EXCLUSIVE REMEDY AND ALL OTHER REMEDIES OR DAMAGES AT LAW OR IN EQUITY ARE WAIVED UNLESS EXPRESSLY HEREIN PROVIDED. NEITHER PARTY SHALL BE LIABLE FOR CONSEQUENTIAL, INCIDENTAL, PUNITIVE, EXEMPLARY OR INDIRECT DAMAGES, LOST PROFITS OR OTHER BUSINESS INTERRUPTION DAMAGES, BY STATUTE, IN TORT OR CONTRACT, UNDER ANY INDEMNITY PROVISION OR OTHERWISE. UNLESS EXPRESSLY HEREIN PROVIDED, AND SUBJECT TO THE PROVISIONS OF SECTION 6 (INDEMNITY), IT IS THE INTENT OF THE PARTIES THAT THE LIMITATIONS HEREIN IMPOSED ON REMEDIES AND THE MEASURE OF DAMAGES BE WITHOUT REGARD TO THE CAUSE OR CAUSES RELATED THERETO, INCLUDING THE NEGLIGENCE OF ANY PARTY, WHETHER SUCH NEGLIGENCE BE SOLE, JOINT OR CONCURRENT, OR ACTIVE OR PASSIVE.

8. NOTICES

Notices shall, unless otherwise specified herein, be in writing and may be delivered by hand delivery, United States mail, overnight courier service, facsimile or electronic messaging (e-mail). Whenever this Agreement requires or permits delivery of a "notice" (or requires a Party to "notify"), the Party with such right or obligation shall provide a written

communication in the manner specified below. A notice sent by facsimile transmission or e-mail will be recognized and shall be deemed received on the Business Day on which such notice was transmitted if received before 5 p.m. Pacific prevailing time (and if received after 5 p.m., on the next Business Day) and a notice by overnight mail or courier shall be deemed to have been received two (2) Business Days after it was sent or such earlier time as is confirmed by the receiving Party unless it confirms a prior oral communication, in which case any such notice shall be deemed received on the day sent. A Party may change its addresses by providing notice of same in accordance with this provision. All written notices shall be directed as follows:

TO PG&E: Pacific Gas and Electric Company
Attention: Manager, Contract Management
245 Market Street, Mail Code N12E
San Francisco, CA 94177-0001

TO SELLER: _____
_____
_____
_____

9. INSURANCE

9.1 General Liability Coverage.

9.1.1 Seller shall maintain during the performance hereof, General Liability Insurance[2] of not less than $1,000,000 if the Facility's Nameplate is over 100 kW, $500,000 if the Facility's Nameplate is over 20 kW to 100kW or $100,000 if the Facility's Nameplate is 20 kW or below of combined single limit or equivalent for bodily injury, personal injury, and property damage as the result of any one occurrence.

9.1.2 General Liability Insurance shall include coverage for Premises-Operations, Owners and Contractors Protective, Products/Completed Operations Hazard, Explosion, Collapse, Underground, Contractual Liability, and Broad Form Property Damage including Completed Operations.

9.1.3 Such insurance shall provide for thirty (30) days written notice to PG&E prior to cancellation, termination, alteration, or material change of such insurance.

[2] Governmental agencies which have an established record of self-insurance may provide the required coverage through self-insurance.

9.2 Additional Insurance Provisions.

9.2.1 Evidence of coverage described above in Paragraph 9.1 shall state that coverage provided in primary and is not excess to or contributing with any insurance or self-insurance maintained by PG&E.

9.2.2 PG&E shall have the right to inspect or obtain a copy of the original policy(ies) of insurance.

9.2.3 Seller shall furnish the required certificates and endorsements to PG&E prior to commencing operation.

9.2.4 All insurance certificates, endorsements, cancellations, terminations, alterations, and material changes of such insurance shall be issued and submitted to the following:

Pacific Gas and Electric Company
Attention: Manager, Insurance Department
77 Beale Street, Room E280
San Francisco, CA 94105

10. TERM, DEFAULT, TERMINATON EVENT AND TERMINATION

10.1 Term. The term of this Agreement shall commence upon execution by the duly authorized representatives of each of PG&E and Seller and shall remain in effect until the conclusion of the Delivery Term or unless terminated sooner pursuant to Section 10.3 of this Agreement (the "Term"). All indemnity rights shall survive the termination of this Agreement for twelve (12) months.

10.2 Termination Event. Buyer shall be entitled to terminate the Agreement upon the occurrence of any of the following, each of which is a "Termination Event":

(a) The Facility has not achieved Commercial Operation within eighteen (18) months of the Execution Date of this Agreement;

(b) Seller has not sold or delivered the Product from the Facility to PG&E for a period of twelve (12) consecutive months;

(c) Seller breaches its covenant to maintain its status as an ERR as set forth in Section 4.3.2 of the Agreement.

10.3 Termination.

10.3.1 Declaration of a Termination Event. If a Termination Event has occurred and is continuing, Buyer shall have the right to: (a) send notice, designating a day, no earlier than five (5) days after such notice is deemed to be received (as provided in Section 8) and no later than twenty (20) days after such notice is deemed to be received (as provided in Section 8), as an early termination date of this Agreement ("Early Termination Date") unless Seller has timely communicated with Buyer and the Parties have agreed to resolve the circumstances giving rise to the Termination Event; (b) accelerate all amounts owing between the Parties; and (c) terminate this Agreement and end the Delivery Term effective as of the Early Termination Date.

10.3.2 Release of Liability for Termination Event. Upon termination of this Agreement pursuant to Section 10.3.1, neither Party shall be under any further obligation or subject to liability hereunder, except with respect to the indemnity provision in Section 6 hereof, which shall remain in effect for a period of twelve (12) months following the Early Termination Date.

11. SCHEDULING

11.1 Scheduling Obligations. PG&E shall be Seller's designated Scheduling Coordinator (as defined by CAISO Tariff). PG&E will schedule Seller' project using Prudent Utility Practices and Seller shall employ Prudent Utility Practices and exercise reasonable efforts to operate and maintain its project. All generation interconnection and scheduling services shall be performed in accordance with all applicable operating policies, criteria, guidelines and tariffs of the CAISO or its successor, and any other generally accepted operational requirements. Seller, at it's own expense, shall be responsible for complying with all applicable contractual, metering and interconnection requirements. Seller shall promptly notify PG&E of significant (i.e., greater than 100 kW) changes to its energy schedules using PG&E's web site (see Appendix D). Seller will exercise reasonable efforts to comply with conditions that might arise if the CAISO modifies or amends its tariffs, standards, requirements, and/or protocols in the future.

11.2 CAISO Charges.

11.2.1 CAISO Charge Obligations. PG&E and Seller shall cooperate to minimize CAISO delivery imbalances and any resulting fees, liabilities, assessments or similar charges assessed by the CAISO ("CAISO Charges") to the extent possible, and shall each promptly notify the other as soon as possible of any material loss of system capability, deviation or imbalance that is occurring or has occurred. Seller shall reimburse PG&E for any CAISO Charges that PG&E incurs as a result of Seller's loss of system capability, deviation, or imbalance. Any such CAISO Charges reimbursable to PG&E shall be limited to the period until the commencement of the next settlement period following Seller's

notification for which the delivery schedule can be adjusted. Notwithstanding anything to the contrary herein, in the event Seller makes a change to its schedule on the actual date and time of delivery for any reason (other than an adjustment imposed by CAISO) which results in differences between the project's actual generation and the scheduled generation (whether in part or in whole), Seller shall use reasonable efforts to notify PG&E. PG&E will make commercially reasonable efforts to accommodate Seller's changes and mitigate any imbalance penalties or charges levied for such changes.

11.2.2 CAISO Penalties. Seller shall be responsible for any "non-Performance Penalties" assessed to PG&E by the CAISO ("CAISO Penalties"), under the CAISO Tariff Enforcement Protocol, and not due to any fault of PG&E, which shall include, without limitation, any deviation, imbalance or uninstructed energy charges or penalties payable to the CAISO that are due to the fault of Seller. To the extent that Seller materially deviates from its energy schedules (other than an adjustment imposed by the CAISO, a deviation due to any fault of PG&E, or an excused Seller failure to deliver, whether for reasons of Force Majeure or otherwise), and such departure results in CAISO Penalties being assessed to PG&E, such CAISO Penalties shall be passed on to Seller. Any such CAISO Penalties passed on to Seller shall be limited to the period until the commencement of the next settlement period following Seller's notification (as described above) for which the delivery schedule can be adjusted.

12. CONFIDENTIALITY

Seller authorizes PG&E to release to the CEC and/or the CPUC information regarding the Facility, including the Seller's name and location, and the size, location and operational characteristics of the Facility, the Term, the ERR type, the Initial Energy Delivery Date and the net power rating of the Facility, as requested from time to time pursuant to the CEC's or CPUC's rules and regulations.

13. ASSIGNMENT

Neither Party shall assign this Agreement or its rights hereunder without the prior written consent of the other Party, which consent shall not be unreasonably withheld; provided, however, either Party may, without the consent of the other Party (and without relieving itself from liability hereunder), transfer, sell, pledge, encumber or assign this Agreement or the accounts, revenues or proceeds hereof to its financing providers and the financing provider(s) shall assume the payment and performance obligations provided under this Agreement with respect to the transferring Party provided, however, that in each such case, any such assignee shall agree in writing to be bound by the terms and conditions hereof and so long as the transferring Party delivers such tax and enforceability assurance as the non-transferring Party may reasonably request.

14. GOVERNING LAW

This agreement and the rights and duties of the parties hereunder shall be governed by and construed, enforced and performed in accordance with the laws of the state of California, without regard to principles of conflicts of law. To the extent enforceable at such time, each party waives its respective right to any jury trial with respect to any litigation arising under or in connection with this agreement.

15. SEVERABILITY

If any provision in this Agreement is determined to be invalid, void or unenforceable by the CPUC or any court having jurisdiction, such determination shall not invalidate, void, or make unenforceable any other provision, agreement or covenant of this Agreement and the Parties shall use their best efforts to modify this Agreement to give effect to the original intention of the Parties.

16. COUNTERPARTS

This Agreement may be executed in one or more counterparts each of which shall be deemed an original and all of which shall be deemed one and the same Agreement. Delivery of an executed counterpart of this Agreement by facsimile or PDF transmission will be deemed as effective as delivery of an originally executed counterpart. Each Party delivering an executed counterpart of this Agreement by facsimile or PDF transmission will also deliver an originally executed counterpart, but the failure of any Party to deliver an originally executed counterpart of this Agreement will not affect the validity or effectiveness of this Agreement.

17. GENERAL

The CPUC has reviewed and approved this Agreement. No amendment to or modification of this Agreement shall be enforceable unless reduced to writing and executed by both parties. This Agreement shall not impart any rights enforceable by any third party other than a permitted successor or assignee bound to this Agreement. Waiver by a Party of any default by the other Party shall not be construed as a waiver of any other default. The term “including” when used in this Agreement shall be by way of example only and shall not be considered in any way to be in limitation. The headings used herein are for convenience and reference purposes only.

IN WITNESS WHEREOF, each Party has caused this Agreement to be duly executed by its authorized representative as of the date of last signature provided below.

This agreement is effective when accepted and executed by PG&E.

	PACIFIC GAS AND ELECTRIC COMPANY
Seller	
Authorized by (Print)	Authorized by (Print)
Signature	Signature
Title	Title
Date	Date

"Business Day" means any day except a Saturday, Sunday, or a Federal Reserve Bank holiday during the hours of 8:00 a.m. and 5:00 p.m. local time for the relevant Party's principal place of business where the relevant Party in each instance shall be the Party from whom the notice, payment or delivery is being sent.

"CAISO" means the California Independent System Operator Corporation or any successor entity performing similar functions.

"CAISO Tariff" means the CAISO FERC Electric Tariff, Fifth Replacement Volume No. 1, as amended from time to time.

"California Renewables Portfolio Standard" means the renewable energy program and policies codified in California Public Utilities Code Sections 399.11 through 399.20 and California Public Resources Code Sections 25740 through 25751, as such provisions may be amended or supplemented from time to time.

"CEC" means the California Energy Commission or its successor agency.

"Commercial Operation Date" means the date on which the Facility is operating and is in compliance with applicable interconnection and system protection requirements, and able to produce and deliver energy to PG&E pursuant to the terms of this Agreement.

"Contract Year" means a period of twelve (12) consecutive months with the first Contract Year commencing on the first day of the month immediately following the Initial Energy Delivery Date and each subsequent Contract Year commencing on the anniversary of the Initial Energy Delivery Date.

"CPUC" means the California Public Utilities Commission, or successor entity.

"Delivery Point" means the point of interconnection to the PG&E distribution or transmission system.

"Dispatch Down Period" means: (a) curtailments ordered by the CAISO or PG&E as a result of a System Emergency, as defined in the CAISO Tariff; or (b) scheduled or unscheduled maintenance on PG&E's transmission, distribution or interconnection facilities that prevents Buyer from receiving Delivered Energy at the Delivery Point. Notwithstanding the foregoing sentence, Buyer shall have the option in its sole discretion to curtail Seller's energy deliveries up to fifty (50) hours each calendar year.

"Eligible Renewable Energy Resource" or "ERR" has the meaning set forth in Public Utilities Code Sections 399.12 and California Public Resources Code Section 25741, as

either code provision may be amended or supplemented from time to time.

"Execution Date" means the latest signature date found at the end of the Agreement.

"FERC" means the Federal Energy Regulatory Commission or any successor government agency.

"Forced Outage" means any unplanned reduction or suspension of the electrical output from the Facility resulting in the unavailability of the Facility, in whole or in part, in response to a mechanical, electrical, or hydraulic control system trip or operator-initiated trip in response to an alarm or equipment malfunction and any other unavailability of the Facility for operation, in whole or in part, for maintenance or repair that is not a scheduled maintenance outage and not the result of Force Majeure.

"Force Majeure" means any event or circumstance which wholly or partly prevents or delays the performance of any material obligation arising under this Agreement, but only if and to the extent (i) such event is not within the reasonable control, directly or indirectly, of the Party seeking to have its performance obligation(s) excused thereby, (ii) the Party seeking to have its performance obligation(s) excused thereby has taken all reasonable precautions and measures to prevent or avoid such event or mitigate the effect of such event on such Party's ability to perform its obligations under this Agreement and which by the exercise of due diligence such Party could not reasonably have been expected to avoid and which by the exercise of due diligence it has been unable to overcome, and (iii) such event is not the direct or indirect result of the negligence or the failure of, or caused by, the Party seeking to have its performance obligations excused thereby. Force Majeure shall not be based on: (i) PG&E's inability economically to use or resell the energy or capacity purchased hereunder; (ii) Seller's ability to sell the energy, capacity or other benefits produced by or associated with the Facility at a price greater than the price set forth in this Agreement, (iii) Seller's inability to obtain approvals of any type for the construction, operation, or maintenance of the Facility; (iv) Seller's inability to obtain sufficient fuel to operate the Facility, except if Seller's inability to obtain sufficient fuel is caused by an event of Force Majeure of the specific type described in any of subsections (i) through (iv) of this definition of Force Majeure; (v) a Forced Outage except where such Forced Outage is caused by an event of Force Majeure of the specific type described in any of subsections (i) through (iv) of this definition of Force Majeure; (vi) a strike or labor dispute limited only to Seller, Seller's affiliates, the Engineering, Procurement, and Construction Contractor or subcontractors thereof; or (vii) any equipment failure not caused by an event of Force Majeure of the specific type described in any of subsections (i) through (iv) of this definition of Force Majeure.

"Green Attributes" means any and all credits, benefits, emissions reductions, offsets, and allowances, howsoever entitled, attributable to the generation from the Project, and its

avoided emission of pollutants. Green Attributes include but are not limited to Renewable Energy Credits, as well as: (1) any avoided emission of pollutants to the air, soil or water such as sulfur oxides (SOx), nitrogen oxides (NOx), carbon monoxide (CO) and other pollutants; (2) any avoided emissions of carbon dioxide (CO2), methane (CH4), nitrous oxide, hydrofluorocarbons, perfluorocarbons, sulfur hexafluoride and other greenhouse gases (GHGs) that have been determined by the United Nations Intergovernmental Panel on Climate Change, or otherwise by law**,** to contribute to the actual or potential threat of altering the Earth's climate by trapping heat in the atmosphere;[3] (3) the reporting rights to these avoided emissions, such as Green Tag Reporting Rights. Green Tag Reporting Rights are the right of a Green Tag Purchaser to report the ownership of accumulated Green Tags in compliance with federal or state law, if applicable, and to a federal or state agency or any other party at the Green Tag Purchaser's discretion, and include without limitation those Green Tag Reporting Rights accruing under Section 1605(b) of The Energy Policy Act of 1992 and any present or future federal, state, or local law, regulation or bill, and international or foreign emissions trading program. Green Tags are accumulated on a MWh basis and one Green Tag represents the Green Attributes associated with one (1) MWh of Energy. Green Attributes do not include (i) any energy, capacity, reliability or other power attributes from the Project, (ii) production tax credits associated with the construction or operation of the Project and other financial incentives in the form of credits, reductions, or allowances associated with the project that are applicable to a state or federal income taxation obligation, (iii) fuel-related subsidies or "tipping fees" that may be paid to Seller to accept certain fuels, or local subsidies received by the generator for the destruction of particular preexisting pollutants or the promotion of local environmental benefits, or (iv) emission reduction credits encumbered or used by the Project for compliance with local, state, or federal operating and/or air quality permits. If the Project is a biomass or biogas facility and Seller receives any tradable Green Attributes based on the greenhouse gas reduction benefits or other emission offsets attributed to its fuel usage, it shall provide Buyer with sufficient Green Attributes to ensure that there are zero net emissions associated with the production of electricity from the Project.

"Law" means any statute, law, treaty, rule, regulation, ordinance, code, permit, enactment, injunction, order, writ, decision, authorization, judgment, decree or other legal or regulatory determination or restriction by a court or Governmental Authority of competent jurisdiction, including any of the foregoing that are enacted, amended, or issued after the Execution Date, and which becomes effective during the Delivery Term; or any binding interpretation of the foregoing.

"Market Price Referent" means the market price referent applicable to this

[3] Avoided emissions may or may not have any value for GHG compliance purposes. Although avoided emissions are included in the list of Green Attributes, this inclusion does not create any right to use those avoided emissions to comply with any GHG regulatory program.

Agreement, as determined by the CPUC in accordance with Public Utilities Code Section 399.15(c), as may be amended or modified from time to time.

"Nameplate" has the meaning set forth in Section 2.1.4.

"Product" means the energy (net of Station Use), capacity and all ancillary products, services or attributes similar to the foregoing which are or can be produced by or associated with the Facility, including, without limitation, renewable attributes, Renewable Energy Credits, Resource Adequacy Benefits and Green Attributes.

"Renewable Energy Credit" has the meaning set forth in Public Utilities Code Section 399.12(f), as may be amended from time to time or as further defined or supplemented by Law.

"Resource Adequacy Benefits" means the rights and privileges attached to the Facility that satisfy any entity's resource adequacy obligations, as those obligations are set forth in any Resource Adequacy Rulings and shall include any local, zonal or otherwise locational attributes associated with the Facility.

"Resource Adequacy Rulings" means CPUC Decisions 04-01-050, 04-10-035, 05-10-042, 06-06-064, 06-07-031 and any subsequent CPUC ruling or decision, or any other resource adequacy laws, rules or regulations enacted, adopted or promulgated by any applicable governmental authority, as such decisions, rulings, laws, rules or regulations may be amended or modified from time-to-time during the Delivery Term.

"Station Use" means energy consumed within the Facility's electric energy distribution system as losses, as well as energy used to operate the Facility's auxiliary equipment. The auxiliary equipment may include, but is not limited to, forced and induced draft fans, cooling towers, boiler feeds pumps, lubricating oil systems, plant lighting, fuel handling systems, control systems, and sump pumps.

"WREGIS" means the Western Renewable Energy Generating Information System or any successor renewable energy tracking program.

"WREGIS Certificate Deficit" has the meaning set forth in Section 3.2.1.

SMALL RENEWABLE GENERATOR POWER PURCHASE AGREEMENT

APPENDIX B

Initial Energy Delivery Date Confirmation Letter

In accordance with the terms of that certain Small Renewable Generator Power Purchase Agreement dated _____ ("Agreement") by and between Pacific Gas and Electric Company ("PG&E") and _____ ("Seller"), this letter serves to document the parties further agreement that (i) the conditions precedent to the occurrence of the Initial Energy Delivery Date have been satisfied, and (ii) Seller has scheduled and PG&E has received the energy, as specified in the Agreement, as of this _____ day of _____, _____. This letter shall confirm the Initial Energy Delivery Date, as defined in the Agreement, as the date referenced in the preceding sentence.

IN WITNESS WHEREOF, each Party has caused this Agreement to be duly executed by its authorized representative as of the date of last signature provided below:

This agreement is effective when accepted and executed by PG&E.

	PACIFIC GAS AND ELECTRIC COMPANY
Seller	
Authorized by (Print)	Authorized by (Print)
Signature	Signature
Title	Title
Date	Date

SMALL RENEWABLE GENERATOR POWER PURCHASE AGREEMENT

APPENDIX C

Time of Delivery (TOD) Periods & Factors

Monthly Period	Super-Peak[1]	Shoulder[2]	Night[3]
Jun – Sep	2.38	1.12	0.59
Oct.- Dec., Jan. & Feb.	1.10	.94	0.66
Mar. – May	1.22	0.90	0.61

Definitions:

1. Super-Peak (5x8) = HE (Hours Ending) 13 – 20 (Pacific Prevailing Time (PPT)), Monday - Friday (*except* NERC holidays) in the applicable Monthly Period.
2. Shoulder = HE 7 - 12, 21 and 22 PPT Monday - Friday (*except* NERC holidays); and HE 7 - 22 PPT Saturday, Sunday and *all* NERC holidays in the applicable Monthly Period.
3. Night (7x8) = HE 1 - 6, 23 and 24 PPT all days *(including* NERC holidays) in the applicable Monthly Period.

"NERC Holidays" mean the following holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, and Christmas Day. Three of these days, Memorial Day, Labor Day, and Thanksgiving Day occur on the same day each year. Memorial Day is the last Monday in May; Labor Day is the first Monday in September; and Thanksgiving Day is the 4th Thursday in November. New Year's Day, Independence Day, and Christmas Day, by definition, are predetermined dates each year. However, in the event they occur on a Sunday, the "NERC Holiday" is celebrated on the Monday immediately following that Sunday. However, if any of these days occur on a Saturday, the "NERC Holiday" remains on that Saturday.

SMALL RENEWABLE GENERATOR POWER PURCHASE AGREEMENT

APPENDIX D

Counterparty Notification and Forecasting Requirements

A. NOTIFICATION REQUIREMENTS FOR START-UP AND SHUTDOWN

Prior to paralleling to or after disconnecting from the electric system, ALWAYS notify your designated Distribution Operator as follows:

1. Call your Distribution Operator for permission to parallel before any start-up.
2. Call your Distribution Operator again after start-up with parallel time.
3. Call your Distribution Operator after any separation and report separation time as well as date and time estimate for return to service.

B. FORECASTING REQUIREMENTS

1. Seller shall abide with all established requirements and procedures described below:

   (a) Generating Facilities 1000 kW and greater must comply with the CAISO Tariff and Protocols while generating facilities under 1000 kW must comply with all applicable interconnection, communication and metering rules; and

   (b) Generating Facilities 100 kW and greater must provide a weekly forecast of their expected generation output.

2. Weekly Energy Forecasting Procedures.

   Seller must meet all of the following requirements specified below:

   Beginning the Wednesday prior to the planned Initial Energy Delivery Date of the Generating Facility, and every Wednesday thereafter, Seller will electronically provide PG&E with an Energy Forecast for the next calendar week, by no later than 5 PM Wednesday of the week preceding the week covered by the Energy Forecast.

   The Weekly Energy Forecast submitted to PG&E shall:

   a) Not include any anticipated or expected electric energy losses;

   b) Be submitted using PG&E's website at https://http://www.pge.com/odms, or as otherwise instructed by PG&E;

   c) Include Seller's contact information;

   d) Limit Day Ahead forecast changes to no less than 100 kW.

3. Outage and Scheduled Maintenance Reporting Procedures.

Submit outage information by posting on PG&E's website at https://http://www.pge.com/odms. If the website is unavailable, implement the procedures set forth below:

For project outages, complete the specifics below and submit by email to DAenergy@pge.com and Bilat_Settlements@pge.com

Email subject Field: dd/mm/yyyy – dd/mm/yyyy XYZ Company Project #2 Outage Notification

Email body:

Type of Outage: Planned Outage, Forced Outage, Prolonged Outage
Start Date and Start Time
Estimated or Actual End Date and End Time
Date and time when reported to PG&E and name(s) of PG&E representative(s) contacted.

C. CHANGES TO OPERATING PROCEDURES.

Seller understands and acknowledges that the requirements of Appendix D are subject to change by Buyer from time to time and, upon receipt of Notice of any such changes, Seller agrees to work in good faith to implement any such changes as reasonably deemed necessary by Buyer; provided that such change does not result in an increase cost of performance to Seller other than de minimis amounts.

Appendix E

Attach a description of the Facility, including a summary of its significant components, a drawing showing the general arrangements of the Facility, and a single line diagram illustrating the interconnection of the Facility and loads with PG&E's electric distribution or transmission system.

Electric Sample Form No. 79-1109 Sheet 1

Virtual Net Energy Metering Application and Interconnection Agreement for the
Building Owner of Multifamily Affordable Housing with a Solar Generating Facility of 1 Megawatt or Less

Please Refer to Attached
Sample Form

Pacific Gas and Electric Company®

NEMVMASH

Virtual Net Energy Metering Application and Interconnection Agreement for the Building Owner of Multifamily Affordable Housing with a Solar Generating Facility of 1 Megawatt or Less

Please note that this agreement does not constitute an application for **rebate** and/or **incentive programs**. For more information on these programs and their specific applications, please contact PG&E by phone, or by email using the subject "solar energy" at smarter-energy@pge.com, 1-800-933-9555 (residential) or BusinessCustomerHelp@pge.com, 1-800-468-4743 (commercial/industrial).

For more information on the , Multifamily Affordable Solar Housing (MASH) or the New Solar Homes Partnership (NSHP) for affordable housing, please go to www.pge.com/csi where you will find information about the program, including the program handbook, reservation request forms with the program contract as well as a list of requirements, FAQ's and resources. For additional questions about the California Solar Initiative (CSI), MASH or the NSHP, contact PG&E at solar@pge.com.

Project Identification Number _____ (for PG&E's use only)

If you are applying for a CSI rebate, please check the appropriate box below and continue with this application.

- ❑ I am also applying for a MASH rebate, and understand that I will have to apply for MASH rebates separately.
- ❑ I am also applying for a NSHP rebate, and understand that I will have to apply for the NSHP rebates separately.

Part I – Identifying the Generating Facility's Location and Responsible Parties

A. Applicability and Purpose:

This *VIRTUAL NET ENERGY METERING APPLICATION AND INTERCONNECTION AGREEMENT FOR THE BUILDING OWNER OF MULTIFAMILY AFFORDABLE HOUSING WITH A SOLAR GENERATING FACILITY OF 1 MEGAWATT OR LESS* (Agreement) applies to electric rate schedule *NEMVMASH[1], Virtual Net Energy Metering Service for Multifamily Affordable Solar Housing* for the Owner or designated agent of the Owner (Owner) who interconnects a solar electric Generating Facility with an capacity of 1 megawatt (1,000 kW) or less that is located on Owner's existing buildings that received incentives under PG&E's California Solar Initiative (CSI) Multifamily Affordable Solar Housing (MASH) Program or on the Owner's new, "Affordable Housing" as defined in Public Resource Code section 25401.6** that received incentives under the New Solar Homes Partnership (NSHP) Program in PG&E's service territory, and that operates in parallel with Pacific Gas and Electric Company's (PG&E) Distribution System.

The purpose of this Agreement is to allow Owner to interconnect a solar electric generating facility with PG&E's Distribution System, subject to the provisions of this Agreement and PG&E's rate schedule NEMVMASH. Owner has elected to interconnect and operate its solar electric Generating Facility in parallel with PG&E's Distribution System, primarily to offset part or all of the Owner's Multifamily Affordable Solar Housing's own electrical requirements at the affiliated service points as listed in Appendix A. Owner shall comply at all times with this Agreement as well as with all applicable laws, tariffs and applicable requirements of the Public Utilities Commission of the State of California.

B. Guidelines and Steps for Interconnection

This Application and Agreement must be completed and sent to PG&E along with a completed Supplemental Data Collection Form for Net Energy Metered Generating Facilities to initiate PG&E's interconnection review of the proposed Generating Facility.

[1] Formerly referred to as Rate Schedule NEMVNMA – See Advice Letter 3890-E regarding name change.

C. **NEM Transition**

Customers receiving service on the current NEMVMASH tariff prior to the date that PG&E reaches its NEM Cap or July 1, 2017, whichever is earlier are subject to the NEM Transition Provisions outlined in Rate Schedule NEM. Please see Rate Schedules NEMVMASH at: https://www.pge.com/tariffs/assets/pdf/tariffbook/ELEC_SCHEDS_NEMVMASH.pdf and Rate Schedule NEM at: https://www.pge.com/tariffs/assets/pdf/tariffbook/ELEC_SCHEDS_NEM.pdf for more details.

D. Description of Service (this Agreement is being filed for, check all that apply)**:**

- ❑ A New NEMVMASH Generating Facility interconnection (at an existing service).
- ❑ For Physical Changes to an interconnected NEMVMASH Generating Facility with previous approval by PG&E (adding PV panels, changing inverters, or changing load and/or operations).
- ❑ A New NEMVMASH interconnection in conjunction with a new service. An **Application for Service** must be completed. Additional fees may be required if a service or line extension is required (in accordance with PG&E Electric Rules 15 and 16). Please contact PG&E at 1-800-PGE-5000 (or 1-800-743-5000).
- ❑ A Reallocation of Solar Energy Generation Credits for an Existing NEMVMASH Facility (see Appendix A). For a reallocation, Owner only needs to fill out Part I, sign Part IV, and complete Appendix A with the reallocation for the NEMVMASH accounts.

E. Owner's Generating Facility Information - Where will the Generating Facility be installed?

Name shown on Owner's PG&E service account (Must Match Owner's Name on PG&E Energy Bill)			
Street Address			
City		State	Zip
Mailing Address			
City		State	Zip
Business Phone	Home Phone	Fax	Email

F. Contractor Information (Must be completed even if Contractor will not serve as a PG&E contact).

Contractor	Company Name
Mailing Address	
City	State / Zip
Business Phone / Fax / Email	

❑ This contractor is to be used as PG&E contact and is authorized by Owner to receive confidential Owner information and act on behalf of Owner with respect to this agreement.

G. Other Contact Information (This information is optional).

Contact Person	Company Name	
Mailing Address		
City	State	Zip
Business Phone	Fax	Email

❑ This contact person is to be used as PG&E contact and is authorized by Owner to receive confidential Owner information and act on behalf of Owner with respect to this agreement.

By checking the boxes above and signing this agreement, Owner authorizes PG&E to release information to the contact(s) named above regarding Owner's usage and billing information, Generating Facility location, size and operational characteristics as requested in the course of this interconnection process. PG&E is granted permission to share information with authorized recipients for a period of **two years** from the date this agreement is received by PG&E. Contact(s) are also authorized to make changes to rates and metering arrangements which may result in charges to Owner. Should Owner wish to select a different authoriziaton period, Owner may utilize the *Authorization to Received Customer Information or Act on a Customer's Behalf*, which may be found at:
https https://www.pge.com/tariffs/assets/pdf/tariffbook/ELEC_FORMS_79-1095.pdf

In addition, Owner authorizes PG&E to release to the California Energy Commission (CEC) information regarding Owner's facility, including Owner's name and Generating Facility location, size, and operational characteristics, as requested from time to time pursuant to the CEC's rules and regulations.

Part II – Selecting the Study Process

Please check one:

- ❑ Fast Track Process
- ❑ Detailed Study (not typical)
  - Will be either an Independent Study Process, Distribution Group Study Process or Transmission Cluster Study Process, dependent upon the Electrical Independence Tests.

Part III – Requirements for Interconnection

In submitting this document, I the Owner, understand and agree to the following terms and conditions:

Permission to Interconnect
Owner must not operate their Generating Facility in parallel with PG&E's Distribution System until they receive written authorization for Parallel Operation from PG&E. Unauthorized Parallel Operation could result in injury to persons and/or damage to equipment and/or property for which the Owner may be liable.

Safe Operation of your Generating Facility
Notwithstanding any other provision of this Agreement, if at any time PG&E determines that either (a) the Owner's Facility, or its operation, may endanger PG&E personnel, or (b) the continued operation of the Owner's Facility may endanger the safe and reliable operation of PG&E's electrical system, PG&E shall have the right to disconnect the Facility from PG&E's system. Owner's Facility shall remain disconnected until such time as PG&E is satisfied that the unsafe condition(s) have been corrected.

Interconnections on PG&E's Secondary Network
Applications to interconnect systems located in San Francisco or Oakland may require additional analysis to determine whether or not their proposed installation is on PG&E's networked secondary system. Networked secondary systems are in place to provide heightened levels of reliability in densely populated areas and may affect the ability of PG&E to interconnect NEMVMASH Owner's solar generating facility. **Please contact Generation Interconnection Services at**

415-972-5676 or email gen@pge.com if your proposed installation is in San Francisco where the zip code is 94102, 94103, 94104, 94105, 94107, 94108, 94109, 94111 or 94133 or in Oakland and where the zip code is 94607 or 94612.

Meter access
Owner's generator output meter and the AC disconnect switch must be installed in a safe, PG&E-accessible location and remain unobstructed by locked gates or pets. Additionally, meter and AC disconnect switch access must be maintained at all times for meter reading and system maintenance. Any animals owned by the Owner or Multifamily residents, including pet dogs, should not have access to these areas to avoid hindering PG&E service personnel, preventing them from completing their work. Customers who currently have generator meters inaccessible from the outside of the building and who choose to place their generator AC disconnect switch near their meter, must place the required generator AC disconnect switch in a location readily accessible to PG&E in order to participate in this program. Should future access problems arise, PG&E reserves the right to terminate service, in accordance with its filed tariffs.

Document and Fee Requirements
Other Documents and/or Fees *may* be required and there may be requirements for interconnection in addition to the above list**,** depending on the specifics of the planned Generating Facility. Other approvals and/or other agreements may be needed for special PG&E programs or regulatory agency requirements.

Stale Agreements
If this agreement is still pending two years from its date of submittal and Owner has not met all of the requirements, PG&E will close this application and Owner will be required to submit a new application should Owner wish to take service on Schedule NEMVMASH.

A. Agreement Package:
These documents are needed to ensure safe and reliable operation of PG&E's Distribution System and to confirm that Owner's interconnection has been performed in accordance with PG&E's tariffs. (Additional forms are available upon request by telephoning 415-972-5676, emailing gen@pge.com, or visiting PG&E's website at www.pge.com/standardnem). **Owners should not delay sending any part of the agreement package to PG&E.** As PG&E receives the documentation described in Sections (1) through (5) below, PG&E will begin to process the application.

Required Documents for New Applicants:

1. A completed copy of this **Agreement, including a completed Appendix A as well as the Supplemental Data Collection Form (see Part I Section B above)**. ***Please note***: the Owner's name (as identified in Part I, Section D) must be the same name as on the PG&E bill. In this Agreement, Owner will confirm their otherwise-applicable rate schedule (OAS) for all Common Area accounts in Owner's name as listed in Appendix A – Owners who don't specify an OAS for their Common Area accounts will be defaulted to Rate Schedule E-1, establishing how Owner's Common Area Account's monthly usage or net generation will be charged/credited. Owner's-initiated rate changes are governed in accordance with PG&E's Electric Rule 12.
2. A **single-line diagram** showing Owner's actual installation of his/her Generating Facility. The diagram must include the electrical rating and operating voltages of the significant electrical components such as the service panel, the disconnect switch (if required), inverters, all photovoltaic generators, circuit breakers and other protective devices of the Generating Facility, the general location of the Owner's loads relative to the Generating Facility, and the interconnection with PG&E's Distribution System. The diagram must include the following information:
    a. A description and location of the visible, lockable **AC disconnect switch**.

       PG&E requires an Owner to install an AC disconnect switch to facilitate maintenance of the Owner's equipment (i.e. inverter, PV arrays, etc.). The AC disconnect switch provides PG&E the ability to isolate the Owner's generator from the NEMVMASH Eligible Low Income Facility and utility's Distribution System.

b. A description of the specific **inverter**(s) used to control the interconnection between PG&E and the Generating Facility, including rating, brand name, and model number. Only CEC-certified inverters[2] will pass the requirements for Simplified Interconnection per PG&E's Electric Rule 21. Non-certified units will require further study and may involve additional costs.

c. A complete description of the **generating equipment Owner plans to install**. The description must include the photovoltaic panel manufacturer name, model number, number of panels, and the nameplate rating. As with the inverters, only CEC-certified will pass the requirements for Simplified Interconnection. (See the PG&E website www.pge.com/gen or the CEC website in footnote 1 below.)

d. A description of how the power output from the inverter is connected to the **main service panel via a branch breaker.** The ampere rating of this branch breaker and the main service panel breaker must be compatible with the output rating of the Generating Facility. The output rating is computed based on the total nameplate rating of the inverter.

e. PG&E requires **a generation output meter.** The description must include the meter manufacturer, model number and type (socket or panel), as well as any other relevant information (e.g., socket, panels, breakers, etc.). If instrument transformers are required, the description should include this information.

3. **Site Diagram** – The site diagram must show the building or buildings that will be included as part of the Eligible Low Income Housing that meets the applicable Service Delivery Point requirements if any, in the Applicability Section of NEMVMASH, the meter locations, and denote where the PV solar generating facility will be located and interconnected.

4. Information regarding any existing **insurance coverage** (liability and/or property) for the Schedule NEMVMASH Generating Facility location –

   Owner shall meet all applicable safety and performance standards established by the National Electrical Code, the Institute of Electrical and Electronics Engineers, accredited testing laboratories such as Underwriters Laboratories and, where applicable, rules of the California Public Utilities Commission regarding safety and reliability. An Owner with a solar electric Generating Facility that meets those standards and rules shall not be required to install additional controls, perform or pay for additional tests, or purchase additional liability insurance.

   To the extent that Owner has currently in force property insurance and commercial general liability or personal liability insurance, Owner agrees that it will maintain such insurance in force for the duration of this Agreement in no less amounts than those currently in effect. Pacific Gas and Electric Company shall have the right to inspect or obtain a copy of the original policy or policies of insurance prior to commencing operation. As long as Owner meets the requirements of this section, Owner shall not be required to purchase any additional liability insurance.

   ❑ I have insurance. I hereby certify that there is presently insurance coverage in the amount of $_____ for the Schedule NEMVMASH Generating Facility location.

   Insuring Company's Name: _____

   Insurance Policy # _____

   ❑ I **do not** have insurance. I hereby certify that there is presently $0 (zero) dollars of insurance for the Schedule NEMVMASH Generating Facility location.

5. A copy of the **final, signed, jurisdictional approval (building permit) for Owner's Generating Facility** from the local government entity with jurisdiction over the Owner's project. **Owner's agreement package will not be complete until PG&E receives this document.**

Internet Agreement Forms

[2] The CEC's eligible equipment list can be found under the CSI heading at: https://www.energy.ca.gov/programs-and-topics/topics/renewable-energy/solar-equipment-lists

If this Agreement has been completed electronically, it may be submitted to PG&E via e-mail or through PG&E's online portal when it becomes available. Copies or forms requiring a signature, attachments or any applicable fees described in Part II must be e-mailed to PG&E at the address noted in Part V Section F, "Notices".

Part IV – General Facility

A. Expected **date** of Project Completion and PG&E Receipt of Final, Signed-Off Building Permit for Generating Facility?

Date: _____

B. Are there any other generators interconnected on this account?

❑ Yes

If yes, specify what kind of generator _____

❑ No

C. Are there any possible generator meter access issues?

❑ Yes **If yes**, check all that apply:

❑ Locked Room/Gate	❑ Meter located inside of facility/residence
❑ Unrestrained animal at meter or AC disconnect switch location	❑ Other (Please explain) _____ _____

❑ No

D. Are any of your accounts on a Demand Response program?

❑ Yes

If yes, what program are you on? _____

❑ No.

(For more information on PG&E's demand response programs see: www.pge.com/demandresponse)

Part V – Description of the Generating Facilities ***Use additional sheets, if necessary.***

A. AC Disconnect Switch (see Part II, Section A.2.a above for policy on disconnect switches).
List the AC disconnect switch that will be used at this Generating Facility.

Disconnect Switch Manufacturer	Disconnect Switch Model Number	Disconnect Switch Rating (amps)

B. Inverters interconnected with PG&E
List all the inverters that will be interconnected to PG&E.

Owners with non-standard inverters which do not meet the UL and IEEE requirements specified in Electric Rule 21, or Owners whose aggregate Generating Facility capacity exceeds 15% of the peak load on the distribution line section as described in Electric Rule 21 (Section G.1.m.) require a **Supplemental Review** which may entail a study, additional equipment, and/or other requirements.

No.	Inverter Manufacturer	Inverter Model Number	Inverter Nameplate Rating[3] kW (per unit)	Quantity of Inverters	Inverter Output Voltage	Single or Three phase?
1						
2						

C. Photovoltaic Generator Equipment
List the photovoltaic (PV) panel information requested below. If the panels are not all identical modules, list the total capacity connected to each inverter you listed above. (Please attach additional sheets if more space is needed).

No.	PV Panel Manufacturer	PV Panel Model	PV Panel CEC Rating kW (per unit)	Quantity of PV Panels	Total Capacity[4] (kW)	Inverter number from (B.) above (1 or 2)
1						
2						

D. Service Panel Short Circuit Interrupting Rating
For systems larger than 10 kW, what is the short circuit interrupting rating (SCIR) rating of the service panel connected to this generating facility? _____

E. Maximum 3-Phase Fault Current Contribution
What is the maximum 3-phase fault current that will be contributed by the Generating Facility to a 3-phase fault at the Point of Common Coupling (PCC)? (If the Generating Facility is single phase in design, please provide the contribution for a line-to-line fault). _____ Amps

[3] The inverter rating equals the nameplate rating, in kW. If there is more than one inverter of one type being installed, the inverter rating equals the nameplate rating of one unit of the model being installed.
[4] The total capacity is the PV panel rating times the quantity.

F. Notices - Mailing Instructions and Assistance:

When this agreement has been completed it should be e-mailed, along with the required attachments, to the email address below. Any applicable fee payments shall be mailed to:

Payment USPS Mail	Payment Overnight Mail
USPS Mail: PG&E CFM/PPC Department P.O. Box 997340 Sacramento, CA 95899-7340	Overnight Mail: PG&E Customer Fund Management Payment Processing Center 885 Embarcadero Drive West Sacramento, CA 95605

Phone calls and questions may be directed to the Generation Interconnection Services' hotline at: 415-972-5676 or an electronic application may be submitted to NEMVGen@pge.com

G. Governing Law

This Agreement shall be interpreted, governed, and construed under the laws of the State of California as if executed and to be performed wholly within the State of California.

H. Term of Agreement

After receipt of all applicable fees, required documents, and this completed Agreement, this Agreement shall become effective on the date of PG&E issues the permission to operate letter. This Agreement shall continue in full force and effect until terminated by either Party providing 30-days prior written notice to the other Party, or when a new Owner takes service with PG&E operating this approved generating facility. This new Owner will be interconnected subject to the terms and conditions as set forth in Schedule NEMVMASH.

I. Governing Authority

This contract shall at all times be subject to such changes or modification by the Public Utilities Commission of the State of California as said Commission may, from time to time, direct in the exercise of its jurisdiction.

J. Appendix A

Attached to this agreement is *Appendix A- Designation of Multifamily Common Area Accounts, Residential Units and their respective Solar Credit Allocation.*

Owner Name (Please Print): _____

(Signature): _____ Date:_____

Title: _____

A copy of this signed agreement should be retained with the "Permission to Operate" letter to confirm project approval.

Appendix A – Designation of Multifamily Common Area Accounts, Residential Units and their Respective Solar Energy Credit Allocation

Project Identification Number _____ (for PG&E's use only)

Section 1 Instructions

1) Complete the section below (this information must match the Owner information on the associated *Virtual Net Energy Metering Application and Interconnection Agreement for the Building Owner of Multifamily Affordable Housing with a Solar Generating Facility of 1 Megawatt or Less* for the same NEMVMASH Eligible Low Income Facility.

Owner Name	Address	Date

2) Is this application for a new NEMVMASH Eligible Low Income Facility or a reallocation for an existing NEMVMASH facility? (Existing NEMVMASH facility Owners may not reallocate the Solar Allocation Percentages for all Common Area Accounts and all Residential Unit Accounts for a period of 5 years after first being interconnected on NEMVMASH, even if there is a change in Owner. However, after 5 years a reallocation may be requested. Also, a reallocation of credits between the different Common Area Accounts is allowed, and similarly if a residential unit becomes uninhabitable under the terms described in the NEMVMASH tariff in Special Condition 2 g, the Owner may choose to reallocate credits to the other Residential Unit Accounts).

This application is for an allocation for the initial new NEMVMASH Eligible Low Income Facility: ❑

This application is for a reallocation for an existing NEMVMASH Eligible Low Income Facility: ❑

3) For a new NEMVMASH Eligible Low Income Facility, if you applied for the Multifamily Affordable Solar Housing Program (MASH), please enter the percentages in the space provided below from the MASH application.

Solar Allocation Percentage for All Common Area Account(s) Listed in the MASH Incentive Application (only required if applying for MASH Track 1a incentives):	**Solar Allocation Percentage for All Residential Unit Accounts Listed in MASH Incentive Application (only required if applying for MASH Track 1b incentives):**	**Both Percentages Must Total 100%**
%	%	= 100 %

4) Please use the attached Appendix A, Section 2 page to list all accounts that are located in the Eligible Low Income Facility that will be taking service on NEMVMASH. Alternatively, an Applicant may complete the table below in a digital format (i.e. spreadsheet) and supply that along with the application and agreement to NEMVGen@pge.com. Include the Generator Account, all Common Area Accounts (if any) and all Residential Unit Accounts. The Common Area and Residential Unit Accounts must be associated with the same Generator Account and all must satisfy the applicable Service Delivery Point requirements if any, in the NEMVMASH Applicability Section to be Eligible for Schedule NEMVMASH.

Please note for each row:

- **Account Type** - check the one box corresponding to the type of account (that is, Common Area, Residential Unit or Generator Account). Every row (account) should have one and only one of these 3 boxes checked. *(Required)*
- **Account Address -** Provide an address, including unit number, for all Accounts (for the Generator Account you may use the address of the nearest Common Area Account). *(Required)*
- **Name** - For Common Area Accounts and the Generator Account, the Owner's name must be entered. For Residential Unit Accounts, enter the name of the occupant, if it is known.

- **PG&E Account Number -** Enter the PG&E Account number on all Common Area Accounts and the Generator Account. (Required)

- **Otherwise Applicable Rate Schedule** – Enter the PG&E Otherwise Applicable Rate Schedule (OAS) for all Common Area Accounts and the desired Generator Account. (Required).

- **Solar Allocation Percentage –** For each Common Area Account and Residential Unit Account listed (but not the Generator Account), enter the Solar Allocation Percentage to two decimal places. The Solar Energy Allocation Percentage for each Residential Unit Account must be in proportion to the relative size of each unit, consistent with the manner in which affordable housing rents are established. The total of all Solar Energy Allocation Percentages must equal 100%.

- **Appendix A, Section 2 Page Numbers –** In the space provided on the bottom of each page, please mark the page number and total number of pages for your Appendix A, Section 2 Account List. (Start with Page 1 and do not count the page numbers for these two instruction pages).

5) If the Eligible Low Income Facility has been on the MASH program for less than 5 years, verify that: (for all pages included).

   Total of Solar Allocation Percentages for all the Common Area Accounts (if any) _____.

   Total of Solar Allocation Percentage for all the Residential Unit Accounts _____.

   These numbers must match the percentages provided in number 3 above (if receiving MASH incentives), from Line 2, and must add up to 100%.

Section 2

#	**Account Type** **Check only one box for each row** *(required field)*			**Account Address** *(required field)* **(for Generator Account use address of nearest common area account)**	For Residential Units, Last **Name** of Occupant, if known **For Common Area and Generator Accounts, Owner's Name (Name on PG&E Account)**	***(Required field for Common Area Accounts and Generator Account only)*** **PG&E Account Number**	***(Required field for Common Area Accounts and Generator Account only)*** **Otherwise Applicable Rate Schedule (OAS) under NEMVMASH**	***(Required Field for Common Area Accounts and Residential Accounts)*** **Solar Energy Allocation Percentage**
	Common Area	Residential Unit	Generator Account (only 1)					
1	❑	❑	❑					
2	❑	❑	❑					
3	❑	❑	❑					
4	❑	❑	❑					
5	❑	❑	❑					
6	❑	❑	❑					
7	❑	❑	❑					
8	❑	❑	❑					
9	❑	❑	❑					
10	❑	❑	❑					
11	❑	❑	❑					
12	❑	❑	❑					
13	❑	❑	❑					
14	❑	❑	❑					
15	❑	❑	❑					
16	❑	❑	❑					
17	❑	❑	❑					
Total Solar Energy Allocation Percentage for this page _____								

Project Identification Number _____ (for PG&E's use only) Account List - Appendix A,

Section 2 Page _____ of _____

Electric Sample Form No. 79-1109-02 Sheet 1

NEM2VMSH Virtual Net Energy Metering Application and Interconnection Agreement for the Building Owner of Multifamily Affordable Housing with a Solar Generating Facility of 1 Megawatt or Less

Please Refer to Attached Sample Form

Pacific Gas and Electric Company®

NEM2VMSH

Virtual Net Energy Metering Application and Interconnection Agreement for the Building Owner of Multifamily Affordable Housing with a Solar Generating Facility of 1 Megawatt or Less

Please note that this agreement does not constitute an application for **rebate** and/or **incentive programs**. For more information on these programs and their specific applications, please contact PG&E by phone, or by email using the subject "solar energy" at smarter-energy@pge.com, 1-800-933-9555 (residential) or BusinessCustomerHelp@pge.com, 1-800-468-4743 (commercial/industrial).

For more information on the , Multifamily Affordable Solar Housing (MASH) or the New Solar Homes Partnership (NSHP) for affordable housing, please go to www.pge.com/csi where you will find information about the program, including the program handbook, reservation request forms with the program contract as well as a list of requirements, FAQ's and resources. For additional questions about the California Solar Initiative (CSI), MASH or the NSHP, contact PG&E at solar@pge.com.

Project Identification Number _____ (for PG&E's use only)

If you are applying for a CSI rebate, please check the appropriate box below and continue with this application.

- ❑ I am also applying for a MASH rebate, and understand that I will have to apply for MASH rebates separately.
- ❑ I am also applying for a NSHP rebate, and understand that I will have to apply for the NSHP rebates separately.

Part I – Identifying the Generating Facility's Location and Responsible Parties

A. Applicability and Purpose:

This *NEM2VMSH VIRTUAL NET ENERGY METERING APPLICATION AND INTERCONNECTION AGREEMENT FOR THE BUILDING OWNER OF MULTIFAMILY AFFORDABLE HOUSING WITH A SOLAR GENERATING FACILITY OF 1 MEGAWATT OR LESS* (Agreement) applies to electric rate schedule *NEM2VMSH, Virtual Net Energy Metering Service for Multifamily Affordable Solar Housing* for the Owner or designated agent of the Owner (Owner) who interconnects a solar electric Generating Facility with an capacity of 1 megawatt (1,000 kW) or less that is located on Owner's existing buildings that received incentives under PG&E's California Solar Initiative (CSI) Multifamily Affordable Solar Housing (MASH) Program or on the Owner's new, "Affordable Housing" as defined in Public Resource Code section 25401.6** that received incentives under the New Solar Homes Partnership (NSHP) Program in PG&E's service territory, and that operates in parallel with Pacific Gas and Electric Company's (PG&E) Distribution System.

The purpose of this Agreement is to allow Owner to interconnect a solar electric generating facility with PG&E's Distribution System, subject to the provisions of this Agreement and PG&E's rate schedule NEM2VMSH. Owner has elected to interconnect and operate its solar electric Generating Facility in parallel with PG&E's Distribution System, primarily to offset part or all of the Owner's Multifamily Affordable Solar Housing's own electrical requirements at the affiliated service points as listed in Appendix A. Owner shall comply at all times with this Agreement as well as with all applicable laws, tariffs and applicable requirements of the Public Utilities Commission of the State of California.

B. Guidelines and Steps for Interconnection

This Application and Agreement must be completed and sent to PG&E along with a completed Supplemental Data Collection Form for Net Energy Metered Generating Facilities to initiate PG&E's interconnection review of the proposed Generating Facility.

C.. **Description of Service** (this Agreement is being filed for, check all that apply)**:**

- ❑ A New NEM2VMSH Generating Facility interconnection (at an existing service).
- ❑ For Physical Changes to an interconnected NEM2VMSH Generating Facility with previous approval by PG&E (adding PV panels, changing inverters, or changing load and/or operations).
- ❑ A New NEM2VMSH interconnection in conjunction with a new service. An **Application for Service** must be completed. Additional fees may be required if a service or line extension is required (in accordance with PG&E Electric Rules 15 and 16). Please contact PG&E at 1-800-PGE-5000 (or 1-800-743-5000).
- ❑ A Reallocation of Solar Energy Generation Credits for an Existing NEM2VMSH Facility (see Appendix A). For a reallocation, Owner only needs to fill out Part I, sign Part IV, and complete Appendix A with the reallocation for the NEM2VMSH accounts.

D. Owner's Generating Facility Information - Where will the Generating Facility be installed?

Name shown on Owner's PG&E service account (Must Match Owner's Name on PG&E Energy Bill)			
Street Address			
City		State	Zip
Mailing Address			
City		State	Zip
Business Phone	Home Phone	Fax	Email

E. Contractor Information (Must be completed even if Contractor will not serve as a PG&E contact).

Contractor		Company Name	
Mailing Address			
City		State	Zip
Business Phone	Fax	Email	

❑ This contractor is to be used as PG&E contact and is authorized by Owner to receive confidential Owner information and act on behalf of Owner with respect to this agreement.

F. Other Contact Information (This information is optional).

Contact Person	Company Name	
Mailing Address		
City	State	Zip
Business Phone	Fax	Email

❑ This contact person is to be used as PG&E contact and is authorized by Owner to receive confidential Owner information and act on behalf of Owner with respect to this agreement.

By checking the boxes above and signing this agreement, Owner authorizes PG&E to release information to the contact(s) named above regarding Owner's usage and billing information, Generating Facility location, size and operational characteristics as requested in the course of this interconnection process. PG&E is granted permission to share information with authorized recipients for a period of **two years** from the date this agreement is received by PG&E. Contact(s) are also authorized to make changes to rates and metering arrangements which may result in charges to Owner. Should Owner wish to select a different authoriziaton period, Owner may utilize the *Authorization to Received Customer Information or Act on a Customer's Behalf*, which may be found at:
https://www.pge.com/tariffs/assets/pdf/tariffbook/ELEC_FORMS_79-1095.pdf

In addition, Owner authorizes PG&E to release to the California Energy Commission (CEC) information regarding Owner's facility, including Owner's name and Generating Facility location, size, and operational characteristics, as requested from time to time pursuant to the CEC's rules and regulations.

Part II – Selecting the Study Process

Please check one:

- ❑ Fast Track Process
- ❑ Detailed Study (not typical)
  - Will be either an Independent Study Process, Distribution Group Study Process or Transmission Cluster Study Process, dependent upon the Electrical Independence Tests.

Part III – Requirements for Interconnection

In submitting this document, I the Owner, understand and agree to the following terms and conditions:

Permission to Interconnect
Owner must not operate their Generating Facility in parallel with PG&E's Distribution System until they receive written authorization for Parallel Operation from PG&E. Unauthorized Parallel Operation could result in injury to persons and/or damage to equipment and/or property for which the Owner may be liable.

Safe Operation of your Generating Facility
Notwithstanding any other provision of this Agreement, if at any time PG&E determines that either (a) the Owner's Facility, or its operation, may endanger PG&E personnel, or (b) the continued operation of the Owner's Facility may endanger the safe and reliable operation of PG&E's electrical system, PG&E shall have the right to disconnect the Facility from PG&E's system. Owner's Facility shall remain disconnected until such time as PG&E is satisfied that the unsafe condition(s) have been corrected.

Interconnections on PG&E's Secondary Network
Applications to interconnect systems located in San Francisco or Oakland may require additional analysis to determine whether or not their proposed installation is on PG&E's networked secondary system. Networked secondary systems are in place to provide heightened levels of reliability in densely populated areas and may affect the ability of PG&E to interconnect NEM2VMSH Owner's solar generating facility. **Please contact Generation Interconnection Services at**

415-972-5676 or email gen@pge.com if your proposed installation is in San Francisco where the zip code is 94102, 94103, 94104, 94105, 94107, 94108, 94109, 94111 or 94133 or in Oakland and where the zip code is 94607 or 94612.

Meter access
Owner's generator output meter and the AC disconnect switch must be installed in a safe, PG&E-accessible location and remain unobstructed by locked gates or pets. Additionally, meter and AC disconnect switch access must be maintained at all times for meter reading and system maintenance. Any animals owned by the Owner or Multifamily residents, including pet dogs, should not have access to these areas to avoid hindering PG&E service personnel, preventing them from completing their work. Customers who currently have generator meters inaccessible from the outside of the building and who choose to place their generator AC disconnect switch near their meter, must place the required generator AC disconnect switch in a location readily accessible to PG&E in order to participate in this program. Should future access problems arise, PG&E reserves the right to terminate service, in accordance with its filed tariffs.

Document and Fee Requirements
Other Documents and/or Fees *may* be required and there may be requirements for interconnection in addition to the above list**,** depending on the specifics of the planned Generating Facility. Other approvals and/or other agreements may be needed for special PG&E programs or regulatory agency requirements.

Stale Agreements
If this agreement is still pending two years from its date of submittal and Owner has not met all of the requirements, PG&E will close this application and Owner will be required to submit a new application should Owner wish to take service on Schedule NEM2VMSH.

A. Agreement Package:
These documents are needed to ensure safe and reliable operation of PG&E's Distribution System and to confirm that Owner's interconnection has been performed in accordance with PG&E's tariffs. (Additional forms are available upon request by telephoning 415-972-5676, emailing gen@pge.com, or visiting PG&E's website at www.pge.com/standardnem). **Owners should not delay sending any part of the agreement package to PG&E.** As PG&E receives the documentation described in Sections (1) through (5) below, PG&E will begin to process the application.

Required Documents for New Applicants:

1. A completed copy of this **Agreement, including a completed Appendix A as well as the Supplemental Data Collection Form (see Part I Section B above)**. ***Please note***: the Owner's name (as identified in Part I, Section D) must be the same name as on the PG&E bill. In this Agreement, Owner will confirm their otherwise-applicable rate schedule (OAS) for all Common Area accounts in Owner's name as listed in Appendix A – Owners who don't specify an OAS for their Common Area accounts will be defaulted to Rate Schedule E-1, establishing how Owner's Common Area Account's monthly usage or net generation will be charged/credited. Owner's-initiated rate changes are governed in accordance with PG&E's Electric Rule 12.
2. A **single-line diagram** showing Owner's actual installation of his/her Generating Facility. The diagram must include the electrical rating and operating voltages of the significant electrical components such as the service panel, the disconnect switch (if required), inverters, all photovoltaic generators, circuit breakers and other protective devices of the Generating Facility, the general location of the Owner's loads relative to the Generating Facility, and the interconnection with PG&E's Distribution System. The diagram must include the following information:
    a. A description and location of the visible, lockable **AC disconnect switch**.

    PG&E requires an Owner to install an AC disconnect switch to facilitate maintenance of the Owner's equipment (i.e. inverter, PV arrays, etc.). The AC disconnect switch provides PG&E the ability to isolate the Owner's generator from the NEM2VMSH Eligible Low Income Facility and utility's Distribution System.

b. A description of the specific **inverter**(s) used to control the interconnection between PG&E and the Generating Facility, including rating, brand name, and model number. Only CEC-certified inverters[1] will pass the requirements for Simplified Interconnection per PG&E's Electric Rule 21. Non-certified units will require further study and may involve additional costs.

c. A complete description of the **generating equipment Owner plans to install**. The description must include the photovoltaic panel manufacturer name, model number, number of panels, and the nameplate rating. As with the inverters, only CEC-certified will pass the requirements for Simplified Interconnection. (See the PG&E website www.pge.com/gen or the CEC website in footnote 1 below.)

d. A description of how the power output from the inverter is connected to the **main service panel via a branch breaker.** The ampere rating of this branch breaker and the main service panel breaker must be compatible with the output rating of the Generating Facility. The output rating is computed based on the total nameplate rating of the inverter.

e. PG&E requires **a generation output meter.** The description must include the meter manufacturer, model number and type (socket or panel), as well as any other relevant information (e.g., socket, panels, breakers, etc.). If instrument transformers are required, the description should include this information.

3. **Site Diagram** – The site diagram must show the building or buildings that will be included as part of the Eligible Low Income Housing that meets the applicable Service Delivery Point requirements if any, in the Applicability Section of NEM2VMSH, the meter locations, and denote where the PV solar generating facility will be located and interconnected.

4. Information regarding any existing **insurance coverage** (liability and/or property) for the Schedule NEM2VMSH Generating Facility location –

   Owner shall meet all applicable safety and performance standards established by the National Electrical Code, the Institute of Electrical and Electronics Engineers, accredited testing laboratories such as Underwriters Laboratories and, where applicable, rules of the California Public Utilities Commission regarding safety and reliability. An Owner with a solar electric Generating Facility that meets those standards and rules shall not be required to install additional controls, perform or pay for additional tests, or purchase additional liability insurance.

   To the extent that Owner has currently in force property insurance and commercial general liability or personal liability insurance, Owner agrees that it will maintain such insurance in force for the duration of this Agreement in no less amounts than those currently in effect. Pacific Gas and Electric Company shall have the right to inspect or obtain a copy of the original policy or policies of insurance prior to commencing operation. As long as Owner meets the requirements of this section, Owner shall not be required to purchase any additional liability insurance.

   ❑ I have insurance. I hereby certify that there is presently insurance coverage in the amount of $_____ for the Schedule NEM2VMSH Generating Facility location.

   Insuring Company's Name: _____

   Insurance Policy # _____

   ❑ I **do not** have insurance. I hereby certify that there is presently $0 (zero) dollars of insurance for the Schedule NEM2VMSH Generating Facility location.

5. A copy of the **final, signed, jurisdictional approval (building permit) for Owner's Generating Facility** from the local government entity with jurisdiction over the Owner's project. **Owner's agreement package will not be complete until PG&E receives this document.**

Internet Agreement Forms

If this Agreement has been completed electronically, it may be submitted to PG&E via e-mail or through PG&E's online portal when it becomes available. Copies or forms requiring a signature, attachments or any applicable fees described in Part II must be e-mailed to PG&E at the address noted in Part V Section F, "Notices".

[1] The CEC's eligible equipment list can be found under the CSI heading at: https://www.energy.ca.gov/programs-and-topics/topics/renewable-energy/solar-equipment-lists

Part IV – General Facility

A. Expected **date** of Project Completion and PG&E Receipt of Final, Signed-Off Building Permit for Generating Facility?

Date: _____

B. Are there any other generators interconnected on this account?

❑ Yes

If yes, specify what kind of generator _____

❑ No

C. Are there any possible generator meter access issues?

❑ Yes **If yes**, check all that apply:

❑ Locked Room/Gate	❑ Meter located inside of facility/residence
❑ Unrestrained animal at meter or AC disconnect switch location	❑ Other (Please explain) _____ _____

❑ No

D. Are any of your accounts on a Demand Response program?

❑ Yes

If yes, what program are you on? _____

❑ No.

(For more information on PG&E's demand response programs see: www.pge.com/demandresponse)

Part V – Description of the Generating Facilities *Use additional sheets, if necessary.*

A. AC Disconnect Switch (see Part II, Section A.2.a above for policy on disconnect switches).
List the AC disconnect switch that will be used at this Generating Facility.

Disconnect Switch Manufacturer	Disconnect Switch Model Number	Disconnect Switch Rating (amps)

B. Inverters interconnected with PG&E

List all the inverters that will be interconnected to PG&E.

Owners with non-standard inverters which do not meet the UL and IEEE requirements specified in Electric Rule 21, or Owners whose aggregate Generating Facility capacity exceeds 15% of the peak load on the distribution line section as described in Electric Rule 21 (Section G.1.m.) require a **Supplemental Review** which may entail a study, additional equipment, and/or other requirements.

No.	Inverter Manufacturer	Inverter Model Number	Inverter Nameplate Rating[2] kW (per unit)	Quantity of Inverters	Inverter Output Voltage	Single or Three phase?
1						
2						

[2] The inverter rating equals the nameplate rating, in kW. If there is more than one inverter of one type being installed, the inverter rating equals the nameplate rating of one unit of the model being installed.

C. Photovoltaic Generator Equipment

List the photovoltaic (PV) panel information requested below. If the panels are not all identical modules, list the total capacity connected to each inverter you listed above. (Please attach additional sheets if more space is needed).

No.	PV Panel Manufacturer	PV Panel Model	PV Panel CEC Rating kW (per unit)	Quantity of PV Panels	Total Capacity[3] (kW)	Inverter number from (B.) above (1 or 2)
1						
2						

D. Service Panel Short Circuit Interrupting Rating

For systems larger than 10 kW, what is the short circuit interrupting rating (SCIR) rating of the service panel connected to this generating facility? _____

E. Maximum 3-Phase Fault Current Contribution

What is the maximum 3-phase fault current that will be contributed by the Generating Facility to a 3-phase fault at the Point of Common Coupling (PCC)? (If the Generating Facility is single phase in design, please provide the contribution for a line-to-line fault). _____ Amps

F. CEC Listed

In order to promote the safety and reliability of the customer's Generating Facility, the applicant certifies that as a part its request for NEM2, that all major solar system components are on the verified equipment list maintained by the California Energy Commission and certifies that other equipment, as determined by PG&E, has safety certification from a nationally recognized testing laboratory.

G. Warranties or Service Agreements

Applicant certifies as a part of its interconnection request for NEM2 that:

(i) a warranty of at least 10 years has been provided on all equipment and on its installation, or

(ii) a 10-year service warranty or executed "agreement" has been provided ensuring proper maintenance and continued system performance.

H. Interconnection Fees

Customers on this tariff must pay for the interconnection of their Generating Facility as provided in Electric Rule 21.

I. Notices - Mailing Instructions and Assistance:

When this agreement has been completed it should be e-mailed, along with the required attachments, to the email address below. Any applicable fee payments shall be mailed to:

Payment USPS Mail	Payment Overnight Mail
USPS Mail: PG&E CFM/PPC Department P.O. Box 997340 Sacramento, CA 95899-7340	Overnight Mail: PG&E Customer Fund Management Payment Processing Center 885 Embarcadero Drive West Sacramento, CA 95605

Phone calls and questions may be directed to the Generation Interconnection Services' hotline at: 415-972-5676 or an electronic application may be submitted to NEMVGen@pge.com

K. Governing Law

This Agreement shall be interpreted, governed, and construed under the laws of the State of California as if executed and to be performed wholly within the State of California.

[3] The total capacity is the PV panel rating times the quantity.

L. Term of Agreement

After receipt of all applicable fees, required documents, and this completed Agreement, this Agreement shall become effective on the date of PG&E issues the permission to operate letter. This Agreement shall continue in full force and effect until terminated by either Party providing 30-days prior written notice to the other Party, or when a new Owner takes service with PG&E operating this approved generating facility. This new Owner will be interconnected subject to the terms and conditions as set forth in Schedule NEM2VMSH.

M. Governing Authority

This contract shall at all times be subject to such changes or modification by the Public Utilities Commission of the State of California as said Commission may, from time to time, direct in the exercise of its jurisdiction.

N. Appendix A

Attached to this agreement is *Appendix A- Designation of Multifamily Common Area Accounts, Residential Units and their respective Solar Credit Allocation.*

Owner Name (Please Print): _____

(Signature): _____ Date:_____

Title: _____

A copy of this signed agreement should be retained with the "Permission to Operate" letter to confirm project approval.

Appendix A – Designation of Multifamily Common Area Accounts, Residential Units and their Respective Solar Energy Credit Allocation

Project Identification Number _____ (for PG&E's use only)

Section 1 Instructions

1) Complete the section below (this information must match the Owner information on the associated *NEM2VMSH Virtual Net Energy Metering Application and Interconnection Agreement for the Building Owner of Multifamily Affordable Housing with a Solar Generating Facility of 1 Megawatt or Less* for the same NEM2VMSH Eligible Low Income Facility.

Owner Name	Address	Date

2) Is this application for a new NEM2VMSH Eligible Low Income Facility or a reallocation for an existing NEM2VMSH facility? (Existing NEM2VMSH facility Owners may not reallocate the Solar Allocation Percentages for all Common Area Accounts and all Residential Unit Accounts for a period of 5 years after first being interconnected on NEM2VMSH, even if there is a change in Owner. However, after 5 years a reallocation may be requested. Also, a reallocation of credits between the different Common Area Accounts is allowed, and similarly if a residential unit becomes uninhabitable under the terms described in the NEM2VMSH tariff in Special Condition 2 g, the Owner may choose to reallocate credits to the other Residential Unit Accounts).

This application is for an allocation for the initial new NEM2VMSH Eligible Low Income Facility: ❑

This application is for a reallocation for an existing NEM2VMSH Eligible Low Income Facility: ❑

3) For a new NEM2VMSH Eligible Low Income Facility, if you applied for the Multifamily Affordable Solar Housing Program (MASH), please enter the percentages in the space provided below from the MASH application.

Solar Allocation Percentage for All Common Area Account(s) Listed in the MASH Incentive Application (only required if applying for MASH Track 1a incentives):	**Solar Allocation Percentage for All Residential Unit Accounts Listed in MASH Incentive Application (only required if applying for MASH Track 1b incentives):**	**Both Percentages Must Total 100%**
%	%	= 100 %

4) Please use the attached Appendix A, Section 2 page to list all accounts that are located in the Eligible Low Income Facility that will be taking service on NEM2VMSH. Alternatively, an Applicant may complete the table below in a digital format (i.e. spreadsheet) and supply that along with the application and agreement to NEMVGen@pge.com. Include the Generator Account, all Common Area Accounts (if any) and all Residential Unit Accounts. The Common Area and Residential Unit Accounts must be associated with the same Generator Account and all must satisfy the applicable Service Delivery Point requirements if any, in the NEM2VMSH Applicability Section to be Eligible for Schedule NEM2VMSH.

Please note for each row:

- **Account Type** - check the one box corresponding to the type of account (that is, Common Area, Residential Unit or Generator Account). Every row (account) should have one and only one of these 3 boxes checked. *(Required)*
- **Account Address -** Provide an address, including unit number, for all Accounts (for the Generator Account you may use the address of the nearest Common Area Account). *(Required)*
- **Name** - For Common Area Accounts and the Generator Account, the Owner's name must be entered. For Residential Unit Accounts, enter the name of the occupant, if it is known.

- **PG&E Account Number -** Enter the PG&E Account number on all Common Area Accounts and the Generator Account. (Required)

- **Otherwise Applicable Rate Schedule** – Enter the PG&E Otherwise Applicable Rate Schedule (OAS) for all Common Area Accounts and the desired Generator Account. (Required).

- **Solar Allocation Percentage –** For each Common Area Account and Residential Unit Account listed (but not the Generator Account), enter the Solar Allocation Percentage to two decimal places. The Solar Energy Allocation Percentage for each Residential Unit Account must be in proportion to the relative size of each unit, consistent with the manner in which affordable housing rents are established. The total of all Solar Energy Allocation Percentages must equal 100%.

- **Appendix A, Section 2 Page Numbers –** In the space provided on the bottom of each page, please mark the page number and total number of pages for your Appendix A, Section 2 Account List. (Start with Page 1 and do not count the page numbers for these two instruction pages).

5) If the Eligible Low Income Facility has been on the MASH program for less than 5 years, verify that: (for all pages included).

   Total of Solar Allocation Percentages for all the Common Area Accounts (if any) _____.

   Total of Solar Allocation Percentage for all the Residential Unit Accounts _____.

   These numbers must match the percentages provided in number 3 above (if receiving MASH incentives), from Line 2, and must add up to 100%.

Section 2

#	**Account Type** **Check only one box for each row** ***(required field)***			**Account Address** ***(required field)*** **(for Generator Account use address of nearest common area account)**	For Residential Units, Last **Name** of Occupant, if known **For Common Area and Generator Accounts, Owner's Name (Name on PG&E Account)**	***(Required field for Common Area Accounts and Generator Account only)*** **PG&E Account Number**	***(Required field for Common Area Accounts and Generator Account only)*** **Otherwise Applicable Rate Schedule (OAS) under NEM2VMSH**	***(Required Field for Common Area Accounts and Residential Accounts)*** **Solar Energy Allocation Percentage**
	Common Area	Residential Unit	Generator Account (only 1)					
1	❑	❑	❑					
2	❑	❑	❑					
3	❑	❑	❑					
4	❑	❑	❑					
5	❑	❑	❑					
6	❑	❑	❑					
7	❑	❑	❑					
8	❑	❑	❑					
9	❑	❑	❑					
10	❑	❑	❑					
11	❑	❑	❑					
12	❑	❑	❑					
13	❑	❑	❑					
14	❑	❑	❑					
15	❑	❑	❑					
16	❑	❑	❑					
17	❑	❑	❑					
Total Solar Energy Allocation Percentage for this page _____								

Project Identification Number _____ (for PG&E's use only) Account List - Appendix A,

Section 2 Page _____ of _____

Electric Sample Form No. 79-1116 Sheet 1
Customer Assignment Notification

Please Refer to Attached Sample Form

Pacific Gas and Electric Company

CUSTOMER ASSIGNMENT NOTIFICATION

1. Electric Service Provider (ESP) Declaration

_____ (*Name of ESP*) ("ESP") hereby warrants that:

(1) Under provisions of the agreement for Direct Access service (Agreement), the current customer as identified below (Current Customer) has the right to receive Direct Access (DA) service from an ESP for electric service loads located at the service address identified below (Current Location) under the service accounts identified below (Current Accounts)

(2) Under the provisions of the Agreement, Current Customer has the right to assign its right to receive DA service at the current location for load represented by the Current Accounts to New Customer (identified below).

(3) All conditions of the Agreement necessary for a valid assignment from the Current Customer to New Customer have been satisfied, including any necessary approvals by ESP.

Signature: _____

Authorized Representative of ESP

Date Of Signature: _____

2. New Customer Declaration

_____ (*New Customer as identified below)*) hereby warrants that:

(1) It consents to the assignment of rights by the Current Customer as described above under the ESP Declaration.

(2) It understands that the assigned right to receive direct access service is limited to electric power loads at the Current Location.

(3) It understands that this notice must be submitted within sixty (60) days after Current Customer closes its service account.

(4) It understands that its service account may not have been in the New Customer's name for more than ninety (90) days.

(5) It understands that a Direct Access Service Request (DASR) must be submitted within sixty (60) days of acceptance of this notice by PG&E for this assignment to be valid.

(6) It is familiar with the loads and load history represented by the Current Accounts and understands that, pursuant to California Public Utilities Commission Decision 02-03-055, its right to receive direct access is limited to loads the same as, or substantially the same as, the loads represented by the Current Accounts.

Pacific Gas and Electric Company

CUSTOMER ASSIGNMENT NOTIFICATION

3. Current Customer Information:

Name On Account: _____
Service Address: _____
City, State, Zip _____

Current Service Account(s) Listed By PG&E Service Agreement Number:

1. Service Agreement Number _____
   Meter Number: _____

2. Service Agreement Number _____
   Meter Number: _____

3. Service Agreement Number _____
   Meter Number: _____

4. New Customer Information:

Name On Account: _____

New Service Account(s) Listed by PG&E Service Agreement Number:

1. Service Agreement Number _____
   Meter Number: _____

2. Service Agreement Number _____
   Meter Number: _____

3. Service Agreement Number _____
   Meter Number: _____

Signature: _____
Authorized Representative of New Customer

Date Of Signature: _____

Upon receipt by PG&E of the customer assignment notification, PG&E shall review the information and notify ESP within five (5) business days either that (a) the customer assignment notification has been accepted; or (b) PG&E has reasonable cause not to process the customer assignment notification. Upon receiving notification under subsection (a) above, ESP must submit a DASR within sixty (60) days. Upon receiving notification under subsection (b) above, PG&E and ESP shall confer as soon as possible to determine what additional information is required in order for the assignment notification to be accepted. This document may be executed in counterparts and submitted by email, however PG&E reserves the right to request the original signature documents if needed. This form at all times shall be subject to such modifications as the California Public Utilities Commission may direct from time to time in the exercise of its jurisdiction.

Electric Sample Form 79-1124 Sheet 1

Eligible Low Income Development Virtual Net Energy Metering Application and Interconnection Agreement for Multifamily Affordable Housing with Solar Generation Totaling 1 Megawatt or Less

Please Refer to Attached Sample Form

Pacific Gas and Electric Company®

NEMVMASH

Eligible Low Income Development Virtual Net Energy Metering Application and Interconnection Agreement for Multifamily Affordable Housing with Solar Generation Totaling 1 MW or Less

Please note that this agreement does not constitute an application for **rebate** and/or **incentive programs**. For more information on these programs and their specific applications, please contact PG&E by phone, or by email using the subject "solar energy" at smarter-energy@pge.com, 1-800-933-9555 (residential) or BusinessCustomerHelp@pge.com, 1-800-468-4743 (commercial/industrial).

For more information on the , Multifamily Affordable Solar Housing (MASH) or the New Solar Homes Partnership (NSHP) for affordable housing, please go to www.pge.com/csi where you will find information about the program, including the program handbook, reservation request forms with the program contract as well as a list of requirements, FAQ's and resources. For additional questions about the California Solar Initiative (CSI), MASH or the NSHP, contact PG&E at solar@pge.com.

Unique Project Name _____ (for PG&E's use only)

If you are applying for a CSI rebate, please check the appropriate box below and continue with this application.

- ❑ I am also applying for a MASH rebate, and understand that I will have to apply for MASH rebates separately.
- ❑ I am also applying for a NSHP rebate, and understand that I will have to apply for the NSHP rebates separately.

Part I – Identifying the Generating Facility's Location and Responsible Parties

A. Applicability and Purpose:

The purpose of this Agreement is to allow Owner to interconnect solar electric generation with PG&E's Distribution System, subject to the provisions of this Agreement and PG&E's rate schedule NEMVMASH. Owner has elected to interconnect and operate its solar electric Generation in parallel with PG&E's Distribution System, to offset part or all of the Owner's Eligible Low Income Development's own electrical requirements at the affiliated service points as listed in Appendix A. Owner shall comply at all times with this Agreement as well as with all applicable laws, tariffs and applicable requirements of the Public Utilities Commission of the State of California.

B. Guidelines and Steps for Interconnection

This Application and Agreement must be completed and sent to PG&E along with a completed Supplemental Data Collection Form for Net Energy Metered Generating Facilities to initiate PG&E's interconnection review of the proposed Generating Facility.

C. NEM Transition

Customers receiving service on the current NEMVMASH tariff prior to the date that PG&E reaches its NEM Cap or July 1, 2017, whichever is earlier are subject to the NEM Transition Provisions outlined in Rate Schedule NEM. Please see Rate Schedules NEMVMASH at:
https://www.pge.com/tariffs/assets/pdf/tariffbook/ELEC_SCHEDS_NEMVMASH.pdf and Rate Schedule NEM at:
https://www.pge.com/tariffs/assets/pdf/tariffbook/ELEC_SCHEDS_NEM.pdf for more details.

D. Owner's Information -

Eligible Low Income Development Project Name			
Owner-Applicant's Name			
Street Address			
City		State	Zip
Mailing Address			
City		State	Zip
Business Phone	Cell Phone	Fax	Email

E. Contractor Information (Must be completed even if Contractor will not serve as a PG&E contact).

Contractor		Company Name	
Mailing Address			
City		State	Zip
Business Phone	Fax	Email	

❑ This contractor is to be used as PG&E contact and is authorized by Owner to receive confidential Owner information and act on behalf of Owner with respect to this agreement.

F. Other Contact Information (This information is optional).

Contact Person		Company Name	
Mailing Address			
City		State	Zip
Business Phone	Fax	Email	

❑ This contact person is to be used as PG&E contact and is authorized by Owner to receive confidential Owner information and act on behalf of Owner with respect to this agreement.

By checking the boxes above and signing this agreement, Owner authorizes PG&E to release information to the contact(s) named above regarding Owner's usage and billing information, Generating Facility location, size and operational characteristics as requested in the course of this interconnection process. PG&E is granted permission to share information with authorized recipients for a period of **two years** from the date this agreement is received by PG&E. Contact(s) are also authorized to make changes to rates and metering arrangements which may result in

charges to Owner. Should Owner wish to select a different authorizaton period, Owner may utilize the *Authorization to Received Customer Information or Act on a Customer's Behalf*, which may be found at: https://www.pge.com/includes/docs/pdfs/mybusiness/energysavingsrebates/demandresponse/howtoapply/E79-1095%20-Third%20Party%20Authorization.pdf

In addition, Owner authorizes PG&E to release to the California Energy Commission (CEC) information regarding Owner's facility, including Owner's name and Generating Facility location, size, and operational characteristics, as requested from time to time pursuant to the CEC's rules and regulations.

G. Notices - Mailing Instructions and Assistance:

When this agreement has been completed it should be e-mailed, along with the required attachments, to the email address below. Any applicable fee payments shall be mailed to:

Payment USPS Mail	Payment Overnight Mail
USPS Mail: PG&E CFM/PPC Department P.O. Box 997340 Sacramento, CA 95899-7340	Overnight Mail: PG&E Customer Fund Management Payment Processing Center 885 Embarcadero Drive West Sacramento, CA 95605

Phone calls and questions may be directed to the Generation Interconnection Services' hotline at: 415-972-5676 or an electronic application may be submitted to NEMVGen@pge.com

H. Required Documentation for Agreement (in addition to that required in Appendix B):

Plat Map – A parcel plot or plat map must show the building or buildings that will be included as part of the Eligible Low Income Development, the meter locations, and denote where the PV solar generating facility(ies) will be located and interconnected.

Site Diagram – The site diagram must show the building or buildings that will be included as part of the Eligible Low Income Development, the meter locations, and denote where the PV solar generating facility(ies) will be located and interconnected.

I. Governing Law

This Agreement shall be interpreted, governed, and construed under the laws of the State of California as if executed and to be performed wholly within the State of California.

J. Term Of Agreement

After receipt of all applicable fees, required documents, and this completed Agreement, this Agreement shall become effective on the date of PG&E issues the permission to operate letter. This Agreement shall continue in full force and effect until terminated by either Party providing 30-days prior written notice to the other Party, or when a new Owner takes service with PG&E operating this approved generating facility. This new Owner will be interconnected subject to the terms and conditions as set forth in Schedule NEMVMASH.

K. Governing Authority

This contract shall at all times be subject to such changes or modification by the Public Utilities Commission of the State of California as said Commission may, from time to time, direct in the exercise of its jurisdiction.

L. Appendix A

Attached to this agreement is *Appendix A - Designation of Generator Accounts, and Their Associated Common Area Accounts and Residential Units with Their Respective Solar Credit Allocation.*

M. Appendix B

Attached to this agreement is _____ completed copy/copies of *Appendix B – NEMVMASH Generating Facility Interconnection Agreement,* corresponding to each of the generator accounts listed in Appendix A. Owner agrees to comply with Electric Tariff Rule 21 and all other applicable tariffs at all times.

Owner Name (Please Print): _____

(Signature): _____ Date:_____

Title: _____

A copy of this signed agreement should be retained with the "Permission to Operate" letter to confirm project approval.

Appendix A – Designation of Generator Accounts, and Their Associated Common Area Accounts and Residential Units With Their respective Solar Energy Credit Allocation

Unique Project Name _____ (for PG&E's use only)

Section 1 Instructions

1) Complete the section below (this information must match the Owner information on the associated *Eligible Low Income Development Virtual Net Energy Metering Application and Interconnection Agreement for the Building Owner of Multifamily Affordable Housing with a Solar Generating Facility of 1 MW or Less* for the same NEMVMASH Eligible Low Income Facility.

Eligible Low Income Development Name (must be the same name as that on Page 2 of the Agreement)		
Owner Name	Address	Date

2) Is this application for a new NEMVMASH Eligible Low Income Development or a reallocation for an existing Eligible Low Income Development? Existing NEMVMASH Development Owners may not reallocate the Solar Allocation Percentages for all Common Area Accounts and all Residential Unit Accounts for a period of 5 years after first being interconnected on NEMVMASH, even if there is a change in Owner. However, after 5 years a reallocation may be requested. Also, a reallocation of credits between the different Common Area Accounts is allowed, and similarly if a residential unit becomes uninhabitable under the terms described in the NEMVMASH tariff in Special Condition 2 g, the Owner may choose to reallocate credits to the other Residential Unit Accounts.

   This application is for an allocation for the initial new NEMVMASH Eligible Low Income Development: ❑

   This application is for a reallocation for an existing NEMVMASH Eligible Low Income Development: ❑

3) A NEMVMASH Eligible Low Income Development on NEMVMASH must either receive incentive funds from the Multifamily Affordable Solar Housing Program (MASH), or the New Solar Homes Partnership (NSHP) for affordable housing, or be eligible to receive funds from the MASH program.

   Is this Development receiving funds from either the MASH or NSHP program? Yes ❑ No ❑

   If it is not receiving either MASH or NSHP incentives, is it eligible to receive MASH funds? Yes ❑ No ❑

4) For a new NEMVMASH Eligible Low Income Development, if you applied for MASH incentives, please enter the percentages in the space provided below from the MASH application.

Solar Allocation Percentage for All Common Area Account(s) Listed in the MASH Incentive Application (only required if applying for MASH Track 1a incentives):	**Solar Allocation Percentage for All Residential Unit Accounts Listed in MASH Incentive Application (only required if applying for MASH Track 1b incentives):**	**Both Percentages Must Total 100%**
%	%	= 100 %

5) Please use the attached Appendix A, Section 2 to list all accounts that are located in the Eligible Low Income Development that will be taking service on NEMVMASH.

   On a building by building basis, please list all participating Generator Accounts, Common Area Accounts (if any) and all Residential Unit Accounts as specified in Appendix A.

Please note for each row:

- **Account Type** - check the one box corresponding to the type of account (that is, **Generator Account**, **Common Area** or **Residential Unit**). Every row (account) should have one and only one of these 3 boxes checked. *(Required).* Additionally, Generator accounts must also list the CEC AC rating in the **Generator Capacity** column and be numbered, starting with "1" in the **Generator Number** column. This Agreement must include a completed copy of Appendix B corresponding to each generator shown in this table and the solar generator capacity on Appendix B Part IV section C. must match that listed in this table. The sum of all generators' capacities listed must not exceed 1 MW.

- **Account Address -** Provide an address, including unit number, for all Accounts (for Generator Accounts without an address please specify location in detail). *(Required)*

- **Name** - For Common Area Accounts and the Generator Account, the Owner's name must be entered. For Residential Unit Accounts, enter the name of the occupant, if it is known.

- **PG&E Account Number -** Enter the PG&E Account number on all Common Area Accounts and Generator Accounts. (Required).

- **Otherwise Applicable Rate Schedule** – Enter the PG&E Otherwise Applicable Rate Schedule (OAS) for all Common Area Accounts and desired Generator Accounts. (Required).

- **Total Solar Generation (**bottom of each page) **–** For each Generator Account total the CEC AC rating. The total of all rating of all Generator Accounts on all pages must equal no more than 1 MW.

- **Solar Allocation Percentage (**bottom of the each page) - For each Common Area Account and Residential Unit Account listed (but not the Generator Account), enter the Solar Allocation Percentage to two decimal places. The Solar Energy Allocation Percentage for each Residential Unit Account must be in proportion to the relative size of each unit, consistent with the manner in which affordable housing rents are established. The total of all Solar Energy Allocation Percentages must equal 100%.

- **Appendix A, Section 2 Page Numbers –** In the space provided on the bottom of each page, please mark the page number and total number of pages for your Appendix A, Section 2 Account List. (Start with Page 1 and do not count the page numbers for these two instruction pages).

6) If the Eligible Low Income Development has been on the MASH program for less than 5 years, verify that: (for all pages included).

   Total of Solar Allocation Percentages for all the Common Area Accounts (if any) _____.

   Total of Solar Allocation Percentage for all the Residential Unit Accounts _____.

   These numbers must match the percentages provided in number 3 above (if receiving MASH incentives), from Line 2, and must add up to 100%.

Appendix A – Designation of Generator Accounts, and their Associated Common Area Accounts and Residential Units with their respective Solar Energy Credit Allocation

Unique Project Name _____ (for PG&E's use only)

Section 2

Please list all participating on a building by building basis.

#	Account Type Check only one box for each row *(required field)*					Account Address *(required field)* (for Generator Accounts without an address please describe location in detail)	Owner's Name *(For Residential Units, Last Name of Occupant, if known* *For Common Area and Generator Accounts. Use Name as shown on PG&E Account)*	PG&E Account Number *(Required field for Common Area Accounts and Generator Account only)*	Otherwise Applicable Rate Schedule (OAS) under NEMVMASH *(Required field for Common Area Accounts and Generator Account only)*	Solar Energy Allocation Percentage *(up to 2 decimal places. Required Field for Common Area Accounts and Residential Accounts)*
	Generator Account	Generator Number (must complete an Appendix B with a corresponding generator number)	Generator Capacity (must total to no more than 1 MW)	Common Area	Residential Unit					
1	❑			❑	❑					
2	❑			❑	❑					
3	❑			❑	❑					
4	❑			❑	❑					
5	❑			❑	❑					
6	❑			❑	❑					
7	❑			❑	❑					
8	❑			❑	❑					
9	❑			❑	❑					
10	❑			❑	❑					
11	❑			❑	❑					
12	❑			❑	❑					
13	❑			❑	❑					
14	❑			❑	❑					
15	❑			❑	❑					
_____ Total Solar Generation this page							Total Solar Energy Allocation Percentage for this page _____			

Account List - Appendix A, Section 2 --- Page _____ of _____

Appendix B – NEMVMASH Generating Facility Interconnection Agreement

Unique Project Name _____ (for PG&E's use only)

One completed Appendix B Interconnection Agreement must be submitted for each NEMVMASH generating facility in the Eligible Low Income Development. The number of interconnection agreements submitted should match the generator accounts shown in appendix A. All sections should be completed (unless otherwise noted in the text).

Part I – Requirements for Interconnection

Please complete all parts of this section:

A. Owner's Generating Facility Information - Where will the Generating Facility be installed?

Eligible Low Income Facility Name (must be the same name as that on Page 1 of the Agreement)		Unique Generator Number – (must match listing in Appendix A)
Nearest Street Address where this Generating Facility will Be Located		
City	State	Zip
Contractor Name (must be the same name as that on Page 1 of the Agreement)		

B. Description of Service (This Agreement is being filed for, check all that apply)**:**

- ❑ A New NEMVMASH Generating Facility interconnection (at an existing service).
- ❑ For Physical Changes to an interconnected NEMVMASH Generating Facility with previous approval by PG&E (adding PV panels, changing inverters, or changing load and/or operations).
- ❑ A New NEMVMASH interconnection in conjunction with a new service. An **Application for Service** must be completed. Additional fees may be required if a service or line extension is required (in accordance with PG&E Electric Rules 15 and 16). Please contact PG&E at 1-800-PGE-5000 (or 1-800-743-5000).
- ❑ A Reallocation of Solar Energy Generation Credits for an Existing NEMVMASH Facility (see Appendix A). For a reallocation, Owner only needs to fill out Part I, sign Part IV, and complete Appendix A with the reallocation for the NEMVMASH accounts.

Part II – Selecting the Study Process

Please check one:

- ❑ Fast Track Process
- ❑ Detailed Study (not typical)
  - Will be either an Independent Study Process, Distribution Group Study Process or Transmission Cluster Study Process, dependent upon the Electrical Independence Tests.

Part III – Requirements for Interconnection

In submitting this document, I the Owner, understand and agree to the following terms and conditions:

Permission to Interconnect
Owner must not operate their Generating Facility in parallel with PG&E's Distribution System until they receive written authorization for Parallel Operation from PG&E. Unauthorized Parallel Operation could result in injury to persons and/or damage to equipment and/or property for which the Owner may be liable.

Safe Operation of your Generating Facility
Notwithstanding any other provision of this Agreement, if at any time PG&E determines that either (a) the Owner's Facility, or its operation, may endanger PG&E personnel, or (b) the continued operation of the Owner's Facility may endanger the safe and reliable operation of PG&E's electrical system, PG&E shall have the right to disconnect the Facility from PG&E's system. Owner's Facility shall remain disconnected until such time as PG&E is satisfied that the unsafe condition(s) have been corrected.

Interconnections on PG&E's Secondary Network
Applications to interconnect systems located in San Francisco or Oakland may require additional analysis to determine whether or not their proposed installation is on PG&E's networked secondary system. Networked secondary systems are in place to provide heightened levels of reliability in densely populated areas and may affect the ability of PG&E to interconnect NEMVMASH Owner's solar generating facility. **Please contact Generation Interconnection Services at 415-972-5676 or email gen@pge.com if your proposed installation is in San Francisco where the zip code is 94102, 94103, 94104, 94105, 94107, 94108, 94109, 94111 or 94133 or in Oakland and where the zip code is 94607 or 94612.**

Meter access
Owner's generator output meter and the AC disconnect switch must be installed in a safe, PG&E-accessible location and remain unobstructed by locked gates or pets. Additionally, meter and AC disconnect switch access must be maintained at all times for meter reading and system maintenance. Any animals owned by the Owner or Multifamily residents, including pet dogs, should not have access to these areas to avoid hindering PG&E service personnel, preventing them from completing their work. Customers who currently have generator meters inaccessible from the outside of the building and who choose to place their generator AC disconnect switch near their meter, must place the required generator AC disconnect switch in a location readily accessible to PG&E in order to participate in this program. Should future access problems arise, PG&E reserves the right to terminate service, in accordance with its filed tariffs.

Document and Fee Requirements
Other Documents and/or Fees *may* be required and there may be requirements for interconnection in addition to the above list**,** depending on the specifics of the planned Generating Facility. Other approvals and/or other agreements may be needed for special PG&E programs or regulatory agency requirements.

Smart Inverters
For Owner applications received on or after September 9, 2017, the Owner certifies that has submitted the application prior to September 9, 2017, or their inverter-based Generating Facilities fully comply with Section Hh of Rule 21, including configuration of protective settings and default settings, in accordance with the specifications therein.

Distribution Provider may require a field verification of the Owner's inverter. Owner further agrees to cooperate fully with any such request and make their inverter available to the Distribution Provider for such verification. Owner understands that in the event the inverter is not set in accordance with Section Hh of Rule 21, Owner will need to cease operation of generating facility until verification is confirmed by Distribution Provider.

(Solar inverter models and firmware versions that comply with Rule 21 Section Hh can be found athttps://www.energy.ca.gov/programs-and-topics/topics/renewable-energy/solar-equipment-lists.)

Verification of compliance with such requirements shall be provided by the Owner upon request by PG&E in accordance with PG&E's Electric Rule 21.

An "existing inverter" is defined as an inverter that is a component of an existing Generating Facility that meets one or more of the following conditions

(a) it is already approved by PG&E for interconnection prior to September 9, 2017

(b) the Owner has submitted the interconnection application prior to September 9, 2017,

(c) the Owner provides evidence of having applied for an electrical permit for the Generating Facility installation that is dated prior to September 9, 2017 and submitted a complete interconnection application1[1] no later than March 31, 2018, or

(d) the Owner provides evidence of a final inspection clearance from the governmental authority having jurisdiction over the Generating Facility prior to September 9, 2017.

All "existing inverters" are not required to be Smart Inverters and are only subject to Section H of Rule 21. Owner replacing an "existing inverter" certifies it is being replaced with either:

(i) inverter equipment that complies with Section Hh of Rule 21, (encouraged); or
(ii) a conventional inverter that is of the same size and equivalent ability to that of the inverter being replaced, as allowed in Rule 21 Section H.3.d.ii.

Stale Agreements
If this agreement is still pending two years from its date of submittal and Owner has not met all of the requirements, PG&E will close this application and Owner will be required to submit a new application should Owner wish to take service on Schedule NEMVMASH.

A. Agreement Package:
These documents are needed to ensure safe and reliable operation of PG&E's Distribution System and to confirm that Owner's interconnection has been performed in accordance with PG&E's tariffs. (Additional forms are available upon request by telephoning 415-972-5676, emailing gen@pge.com, or visiting PG&E's website at www.pge.com/standardnem). **Owners should not delay sending any part of the agreement package to PG&E.** As PG&E receives the documentation described in Sections (1) through (5) below, PG&E will begin to process the application.

Required Documents for New Applicants:

1. A completed copy of this **Agreement, including a completed Appendix A** ***Please note***: the Owner's name (as identified in Part I, Section C) must be the same name as on the PG&E bill. In this Agreement, Owner will confirm their otherwise-applicable rate schedule (OAS) for all Common Area accounts in Owner's name as listed in Appendix A – Owners who don't specify an OAS for their Common Area accounts will be defaulted to Rate Schedule E-1, establishing how Owner's Common Area Account's monthly usage or net generation will be charged/credited. Owner's-initiated rate changes are governed in accordance with PG&E's Electric Rule 12.
2. A **single-line diagram** showing Owner's actual installation of his/her Generating Facility. The diagram must include the electrical rating and operating voltages of the significant electrical components such as the service panel, the disconnect switch (if required), inverters, all photovoltaic generators, circuit breakers and other protective devices of the Generating Facility, the general location of the Owner's loads relative to the Generating Facility, and the interconnection with PG&E's Distribution System. The diagram must include the following information:
    a. A description and location of the visible, lockable **AC disconnect switch**.

       PG&E requires an Owner to install an AC disconnect switch to facilitate maintenance of the Owner's equipment (i.e. inverter, PV arrays, etc.). The AC disconnect switch provides PG&E the ability to isolate the Owner's generator from the NEMVMASH Eligible Low Income Facility and utility's Distribution System.

    b. A description of the specific **inverter**(s) used to control the interconnection between PG&E and the Generating Facility, including rating, brand name, and model number. Only CEC-certified inverters[2]will pass the requirements for Simplified Interconnection per PG&E's Electric Rule 21. Non-certified units will require further study and may involve additional costs.

[1] A complete application consists all of the following without deficiencies:
1. A completed Interconnection Application including all supporting documents and required payments
2. A completed signed Interconnection Agreement
3. Evidence of the Owner final inspection clearance from the governmental authority having jurisdiction over the generating system.

[2] The CEC's eligible equipment list can be found under the CSI heading at: https://www.energy.ca.gov/programs-and-topics/topics/renewable-energy/solar-equipment-lists

c. A complete description of the **generating equipment Owner plans to install**. The description must include the photovoltaic panel manufacturer name, model number, number of panels, and the nameplate rating. As with the inverters, only CEC-certified will pass the requirements for Simplified Interconnection. (See the PG&E website www.pge.com/gen or the CEC website in footnote 1 below.)

d. A description of how the power output from the inverter is connected to the **main service panel via a branch breaker.** The ampere rating of this branch breaker and the main service panel breaker must be compatible with the output rating of the Generating Facility. The output rating is computed based on the total nameplate rating of the inverter.

e. PG&E requires **a generation output meter.** The description must include the meter manufacturer, model number and type (socket or panel), as well as any other relevant information (e.g., socket, panels, breakers, etc.). If instrument transformers are required, the description should include this information.

3. A copy of the **final, signed, jurisdictional approval (building permit) for Owner's Generating Facility** from the local government entity with jurisdiction over the Owner's project. **Owner's agreement package will not be complete until PG&E receives this document.**

4. **Insurance -** Information regarding any existing **insurance coverage** (liability and/or property) for the Schedule NEMVMASH Generating Facility location –

   Owner shall meet all applicable safety and performance standards established by the National Electrical Code, the Institute of Electrical and Electronics Engineers, accredited testing laboratories such as Underwriters Laboratories and, where applicable, rules of the California Public Utilities Commission regarding safety and reliability. An Owner with a solar electric Generating Facility that meets those standards and rules shall not be required to install additional controls, perform or pay for additional tests, or purchase additional liability insurance.

   To the extent that Owner has currently in force property insurance and commercial general liability or personal liability insurance, Owner agrees that it will maintain such insurance in force for the duration of this Agreement in no less amounts than those currently in effect. Pacific Gas and Electric Company shall have the right to inspect or obtain a copy of the original policy or policies of insurance prior to commencing operation. As long as Owner meets the requirements of this section, Owner shall not be required to purchase any additional liability insurance.

❑ I have insurance. I hereby certify that there is presently insurance coverage in the amount of $_____ for the Schedule NEMVMASH Generating Facility location.

Insuring Company's Name: _____

Insurance Policy # _____

❑ I **do not** have insurance. I hereby certify that there is presently $0 (zero) dollars of insurance for this NEMVMASH Generating Facility.

B. Internet Agreement Forms

If this Agreement has been completed electronically, it may be submitted to PG&E via e-mail or through PG&E's online portal when it becomes available. Copies or forms requiring a signature, attachments or any applicable fees described in Part II must be e-mailed to PG&E at the address noted in Part I Section G of the Application, "Notices".

Part IV – General Facility

A. Expected **date** of Project Completion and PG&E Receipt of Final, Signed-Off Building Permit for Generating Facility?

Date: _____

B. Are there any other generators interconnected on this account?

❑ Yes

If yes, specify what kind of generator _____

❑ No

C. Are there any possible generator meter access issues?

❑ Yes **If yes**, check all that apply:

❑ Locked Room/Gate	❑ Meter located inside of facility/residence
❑ Unrestrained animal at meter or AC disconnect switch location	❑ Other (Please explain) _____ _____

❑ No

D. Are any of your accounts on a Demand Response program?

❑ Yes
If yes, what program are you on? _____

❑ No.
(For more information on PG&E's demand response programs see: www.pge.com/demandresponse)

Part V – Description of the Generating Facilities *Use additional sheets, if necessary.*

A. AC Disconnect Switch (see Part II, Section A.2.a above for policy on disconnect switches)
List the AC disconnect switch that will be used at this Generating Facility.

Disconnect Switch Manufacturer	Disconnect Switch Model Number	Disconnect Switch Rating (amps)

B. Inverters interconnected with PG&E
List all the inverters that will be interconnected to PG&E.

Owners with non-standard inverters which do not meet the UL and IEEE requirements specified in Electric Rule 21, or Owners whose aggregate Generating Facility capacity exceeds 15% of the peak load on the distribution line section as described in Electric Rule 21 (Section G.1.m.) require a **Supplemental Review** which may entail a study, additional equipment, and/or other requirements.

No.	Inverter Manufacturer	Inverter Model Number	Inverter Nameplate Rating[3] kW (per unit)	Quantity of Inverters	Inverter Output Voltage	Single or Three phase?
1						
2						

[3] The inverter rating equals the nameplate rating, in kW. If there is more than one inverter of one type being installed, the inverter rating equals the nameplate rating of one unit of the model being installed.

3						

C. Photovoltaic Generator Equipment

List the photovoltaic (PV) panel information requested below. If the panels are not all identical modules, list the total capacity connected to each inverter you listed above. (Please attach additional sheets if more space is needed).

No.	PV Panel Manufacturer	PV Panel Model	PV Panel CEC Rating kW (per unit)	Quantity of PV Panels	Total Capacity[4] (kW)	Inverter number from (B.) above (1 or 2)
1						
2						
3						

D. Service Panel Short Circuit Interrupting Rating

For systems larger than 10 kW, what is the short circuit interrupting rating (SCIR) rating of the service panel connected to this generating facility? _____

E. Maximum 3-Phase Fault Current Contribution

What is the maximum 3-phase fault current that will be contributed by the Generating Facility to a 3-phase fault at the Point of Common Coupling (PCC)? (If the Generating Facility is single phase in design, please provide the contribution for a line-to-line fault). _____ Amps

[4] The total capacity is the PV panel rating times the quantity.

Electric Sample Form No. 79-1124-02 Sheet 1

Eligible Low Income Development Virtual Net Energy Metering (NEM2VMSH)
Application and Interconnection Agreement for Multifamily Affordable Housing with Solar Generation
Totaling 1 Megawatt or Less

Please Refer to Attached Sample Form

ELIGIBLE LOW INCOME DEVELOPMENT VIRTUAL NET ENERGY METERING (NEM2VMSH) APPLICATION AND INTERCONNECTION AGREEMENT FOR MULTIFAMILY AFFORDABLE HOUSING WITH SOLAR GENERATION TOTALING 1 MW OR LESS

Please note that this agreement does not constitute an application for **rebate** and/or **incentive programs**. For more information on these programs and their specific applications, please contact PG&E by phone, or by email using the subject "solar energy" at smarter-energy@pge.com, 1-800-933-9555 (residential) or BusinessCustomerHelp@pge.com, 1-800-468-4743 (commercial/industrial).

For more information on the , Multifamily Affordable Solar Housing (MASH) or the New Solar Homes Partnership (NSHP) for affordable housing, please go to www.pge.com/csi where you will find information about the program, including the program handbook, reservation request forms with the program contract as well as a list of requirements, FAQ's and resources. For additional questions about the California Solar Initiative (CSI), MASH or the NSHP, contact PG&E at solar@pge.com.

Unique Project Name _____ (for PG&E's use only)

If you are applying for a CSI rebate, please check the appropriate box below and continue with this application.

☐ I am also applying for a MASH rebate, and understand that I will have to apply for MASH rebates separately.

☐ I am also applying for a NSHP rebate, and understand that I will have to apply for the NSHP rebates separately.

Part I – Identifying the Generating Facility's Location and Responsible Parties

A. Applicability and Purpose:

The purpose of this Agreement is to allow Owner to interconnect solar electric generation with PG&E's Electric System, subject to the provisions of this Agreement and PG&E's Schedule NEM2VMSH. Owner has elected to interconnect and operate its solar electric Generation in parallel with PG&E's Electric System, to offset part or all of the Owner's Eligible Low Income Development's own electrical requirements at the affiliated service points as listed in Appendix A. Owner shall comply at all times with this Agreement as well as with all applicable laws, tariffs and applicable requirements of the Public Utilities Commission of the State of California.

B. Guidelines and Steps for Interconnection

This Application and Agreement must be completed and sent to PG&E along with a completed Supplemental Data Collection Form for Net Energy Metered Generating Facilities to initiate PG&E's interconnection review of the proposed Generating Facility.

D. Owner's Information -

Eligible Low Income Development Project Name			
Owner-Applicant's Name			
Street Address			
City		State	ZIP
Mailing Address			
City		State	ZIP
Business Phone	Cell Phone	Fax	Email

ELIGIBLE LOW INCOME DEVELOPMENT VIRTUAL NET ENERGY METERING (NEM2VMSH) APPLICATION AND INTERCONNECTION AGREEMENT FOR MULTIFAMILY AFFORDABLE HOUSING WITH SOLAR GENERATION TOTALING 1 MW OR LESS

E. Contractor Information (Must be completed even if Contractor will not serve as a PG&E contact).

Contractor	Company Name	
Mailing Address		
City	State	Zip
Business Phone	Fax	Email

❑ This contractor is to be used as PG&E contact and is authorized by Owner to receive confidential Owner information and act on behalf of Owner with respect to this agreement.

F. Other Contact Information (This information is optional).

Contact Person	Company Name	
Mailing Address		
City	State	Zip
Business Phone	Fax	Email

❑ This contact person is to be used as PG&E contact and is authorized by Owner to receive confidential Owner information and act on behalf of Owner with respect to this agreement.

By checking the boxes above and signing this agreement, Owner authorizes PG&E to release information to the contact(s) named above regarding Owner's usage and billing information, Generating Facility location, size and operational characteristics as requested in the course of this interconnection process. PG&E is granted permission to share information with authorized recipients for a period of **two years** from the date this agreement is received by PG&E. Contact(s) are also authorized to make changes to rates and metering arrangements which may result in charges to Owner. Should Owner wish to select a different authorizaton period, Owner may utilize the *Authorization to Received Customer Information or Act on a Customer's Behalf (Form 79-1095)*, which may be found at: http://www.pge.com/tariffs/

In addition, Owner authorizes PG&E to release to the California Energy Commission (CEC) information regarding Owner's facility, including Owner's name and Generating Facility location, size, and operational characteristics, as requested from time to time pursuant to the CEC's rules and regulations.

G. Notices - Mailing Instructions and Assistance:

When this agreement has been completed it should be e-mailed, along with the required attachments, to the email address below. Any applicable fee payments shall be mailed to:

Payment USPS Mail	Payment Overnight Mail
USPS Mail: PG&E CFM/PPC Department P.O. Box 997340 Sacramento, CA 95899-7340	Overnight Mail: PG&E Customer Fund Management Payment Processing Center 885 Embarcadero Drive West Sacramento, CA 95605

Phone calls and questions may be directed to the Generation Interconnection Services' hotline at: 415-972-5676 or an electronic application may be submitted to NEMVGen@pge.com

H. Required Documentation for Agreement (in addition to that required in Appendix B):

Plat Map – A parcel plot or plat map must show the building or buildings that will be included as part of the Eligible Low Income Development, the meter locations, and denote where the PV solar generating facility(ies) will be located and interconnected.

Site Diagram – The site diagram must show the building or buildings that will be included as part of the Eligible Low Income Development, the meter locations, and denote where the PV solar generating facility(ies) will be located and interconnected.

I. Governing Law

This Agreement shall be interpreted, governed, and construed under the laws of the State of California as if executed and to be performed wholly within the State of California.

J. Term Of Agreement

After receipt of all applicable fees, required documents, and this completed Agreement, this Agreement shall become effective on the date of PG&E issues the permission to operate letter. This Agreement shall continue in full force and effect until terminated by either Party providing 30-days prior written notice to the other Party, or when a new Owner takes service with PG&E operating this approved generating facility. This new Owner will be interconnected subject to the terms and conditions as set forth in Schedule NEM2VMSH.

K. Governing Authority

This contract shall at all times be subject to such changes or modification by the Public Utilities Commission of the State of California as said Commission may, from time to time, direct in the exercise of its jurisdiction.

L. Appendix A

Attached to this agreement is *Appendix A - Designation of Generator Accounts, and Their Associated Common Area Accounts and Residential Units with Their Respective Solar Credit Allocation.*

M. Appendix B

Attached to this agreement is _____ completed copy/copies of *Appendix B – NEM2VMSH Generating Facility Interconnection Agreement,* corresponding to each of the generator accounts listed in Appendix A. Owner agrees to comply with Electric Tariff Rule 21 and all other applicable tariffs at all times.

N. SIGNATURES

IN WITNESS WHEREOF, the Parties hereto have caused this Agreement to be executed by their duly authorized representatives. This Agreement is effective as of the last date set forth below.

OWNER NAME:	**PACIFIC GAS AND ELECTRIC COMPANY:**
_____	_____

(Signature)	*(Signature)*
(Print Name)	*(Print Name)*
(Title)	Manager, Generation Interconnection Services *(Title)*
(Date)	*(Date)*

A copy of this signed agreement should be retained with the "Permission to Operate" letter to confirm project approval.

ELIGIBLE LOW INCOME DEVELOPMENT VIRTUAL NET ENERGY METERING (NEM2VMSH) APPLICATION AND INTERCONNECTION AGREEMENT FOR MULTIFAMILY AFFORDABLE HOUSING WITH SOLAR GENERATION

Attachment A

Designation of Generator Accounts, and Their Associated Common Area Accounts and Residential Units With Their Respective Solar Energy Credit Allocation TOTALING 1 MW OR LESS

Unique Project Name _____ (for PG&E's use only)

Section 1 Instructions

1) Complete the section below (this information must match the Owner information on the associated *Eligible Low Income Development Virtual Net Energy Metering Application and Interconnection Agreement for the Building Owner of Multifamily Affordable Housing with a Solar Generating Facility of 1 MW or Less* for the same NEM2VMSH Eligible Low Income Facility.

Eligible Low Income Development Name (must be the same name as that on Page 2 of the Agreement)		
Owner Name	Address	Date

2) Is this application for a new NEM2VMSH Eligible Low Income Development or a reallocation for an existing Eligible Low Income Development? Existing NEM2VMSH Development Owners may not reallocate the Solar Allocation Percentages for all Common Area Accounts and all Residential Unit Accounts for a period of 5 years after first being interconnected on NEM2VMSH, even if there is a change in Owner. However, after 5 years a reallocation may be requested. Also, a reallocation of credits between the different Common Area Accounts is allowed, and similarly if a residential unit becomes uninhabitable under the terms described in the NEM2VMSH tariff in Special Condition 2 g, the Owner may choose to reallocate credits to the other Residential Unit Accounts.

This application is for an allocation for the initial new NEM2VMSH Eligible Low Income Development: ❑

This application is for a reallocation for an existing NEM2VMSH Eligible Low Income Development: ❑

3) A NEM2VMSH Eligible Low Income Development on NEM2VMSH must either receive incentive funds from the Multifamily Affordable Solar Housing Program (MASH), or the New Solar Homes Partnership (NSHP) for affordable housing, or be eligible to receive funds from the MASH program.

Is this Development receiving funds from either the MASH or NSHP program? Yes ❑ No ❑

If it is not receiving either MASH or NSHP incentives, is it eligible to receive MASH funds? Yes ❑ No ❑

4) For a new NEM2VMSH Eligible Low Income Development, if you applied for MASH incentives, please enter the percentages in the space provided below from the MASH application.

Solar Allocation Percentage for All Common Area Account(s) Listed in the MASH Incentive Application (only required if applying for MASH Track 1a incentives):	**Solar Allocation Percentage for All Residential Unit Accounts Listed in MASH Incentive Application (only required if applying for MASH Track 1b incentives):**	**Both Percentages Must Total 100%**
%	%	= 100 %

Please complete this agreement in its entirety

ELIGIBLE LOW INCOME DEVELOPMENT VIRTUAL NET ENERGY METERING (NEM2VMSH) APPLICATION AND INTERCONNECTION AGREEMENT FOR MULTIFAMILY AFFORDABLE HOUSING WITH SOLAR GENERATION

Attachment A

Designation of Generator Accounts, and Their Associated Common Area Accounts and Residential Units With Their Respective Solar Energy Credit Allocation TOTALING 1 MW OR LESS

5) Please use the attached Appendix A, Section 2 to list all accounts that are located in the Eligible Low Income Development that will be taking service on NEM2VMSH.

   On a building by building basis, please list all participating Generator Accounts, Common Area Accounts (if any) and all Residential Unit Accounts as specified in Appendix A.

Please note for each row:

- **Account Type** - check the one box corresponding to the type of account (that is, **Generator Account**, **Common Area** or **Residential Unit**). Every row (account) should have one and only one of these 3 boxes checked. *(Required).* Additionally, Generator accounts must also list the CEC AC rating in the **Generator Capacity** column and be numbered, starting with "1" in the **Generator Number** column. This Agreement must include a completed copy of Appendix B corresponding to each generator shown in this table and the solar generator capacity on Appendix B Part IV section C. must match that listed in this table. The sum of all generators' capacities listed must not exceed 1 MW.
- **Account Address -** Provide an address, including unit number, for all Accounts (for Generator Accounts without an address please specify location in detail). *(Required)*
- **Name** - For Common Area Accounts and the Generator Account, the Owner's name must be entered. For Residential Unit Accounts, enter the name of the occupant, if it is known.
- **PG&E Account Number -** Enter the PG&E Account number on all Common Area Accounts and Generator Accounts. (Required).
- **Otherwise Applicable Rate Schedule** – Enter the PG&E Otherwise Applicable Rate Schedule (OAS) for all Common Area Accounts and desired Generator Accounts. (Required).
- **Total Solar Generation (**bottom of each page) **–** For each Generator Account total the CEC AC rating. The total of all rating of all Generator Accounts on all pages must equal no more than 1 MW.
- **Solar Allocation Percentage (**bottom of the each page) - For each Common Area Account and Residential Unit Account listed (but not the Generator Account), enter the Solar Allocation Percentage to two decimal places. The Solar Energy Allocation Percentage for each Residential Unit Account must be in proportion to the relative size of each unit, consistent with the manner in which affordable housing rents are established. The total of all Solar Energy Allocation Percentages must equal 100%.
- **Appendix A, Section 2 Page Numbers –** In the space provided on the bottom of each page, please mark the page number and total number of pages for your Appendix A, Section 2 Account List. (Start with Page 1 and do not count the page numbers for these two instruction pages).

6) If the Eligible Low Income Development has been on the MASH program for less than 5 years, verify that: (for all pages included).

   Total of Solar Allocation Percentages for all the Common Area Accounts (if any) _____.

   Total of Solar Allocation Percentage for all the Residential Unit Accounts _____.

   These numbers must match the percentages provided in number 3 above (if receiving MASH incentives), from Line 2, and must add up to 100%.

Pacific Gas and Electric Company®

ELIGIBLE LOW INCOME DEVELOPMENT VIRTUAL NET ENERGY METERING (NEM2VMSH) APPLICATION AND INTERCONNECTION AGREEMENT FOR MULTIFAMILY AFFORDABLE HOUSING WITH SOLAR GENERATION

Attachment A

Designation of Generator Accounts, and their Associated Common Area Accounts and Residential Units with their respective Solar Energy Credit Allocation

Unique Project Name _____ (for PG&E's use only)

Section 2

Please list all participating on a building by building basis.

#	Account Type Check only one box for each row *(required field)*					Account Address *(required field)* (for Generator Accounts without an address please describe location in detail)	Owner's Name *(For Residential Units, Last Name of Occupant, if known* *For Common Area and Generator Accounts. Use Name as shown on PG&E Account)*	PG&E Account Number *(Required field for Common Area Accounts and Generator Account only)*	Otherwise Applicable Rate Schedule (OAS) under NEM2VMSH *(Required field for Common Area Accounts and Generator Account only)*	Solar Energy Allocation Percentage (*up to 2 decimal places. Required Field for Common Area Accounts and Residential Accounts)*
	Generator Account	Generator Number (must complete an Appendix B with a corres-ponding generator number)	Generator Capacity)	Common Area	Residential Unit					
1	❑			❑	❑					
2	❑			❑	❑					
3	❑			❑	❑					
4	❑			❑	❑					
5	❑			❑	❑					
6	❑			❑	❑					
7	❑			❑	❑					
8	❑			❑	❑					
9	❑			❑	❑					
10	❑			❑	❑					
11	❑			❑	❑					
12	❑			❑	❑					
13	❑			❑	❑					
14	❑			❑	❑					
15	❑			❑	❑					
_____ Total Solar Generation this page							Total Solar Energy Allocation Percentage for this page _____			

Account List - Appendix A, Section 2 --- Page _____ of _____

_

Please complete this agreement in its entirety

ELIGIBLE LOW INCOME DEVELOPMENT VIRTUAL NET ENERGY METERING (NEM2VMSH) APPLICATION AND INTERCONNECTION AGREEMENT FOR MULTIFAMILY AFFORDABLE HOUSING WITH SOLAR GENERATION

Attachment B

NEM2VMSH Generating Facility Interconnection Agreement

Unique Project Name _____ (for PG&E's use only)

One completed Appendix B Interconnection Agreement must be submitted for each NEM2VMSH generating facility in the Eligible Low Income Development. The number of interconnection agreements submitted should match the generator accounts shown in appendix A. All sections should be completed (unless otherwise noted in the text).

Part I – Requirements for Interconnection

Please complete all parts of this section:

A. Owner's Generating Facility Information - Where will the Generating Facility be installed?

Eligible Low Income Facility Name (must be the same name as that on Page 1 of the Agreement)		Unique Generator Number – (must match listing in Appendix A)
Nearest Street Address where this Generating Facility will Be Located		
City	State	Zip
Contractor Name (must be the same name as that on Page 1 of the Agreement)		

B. Description of Service (This Agreement is being filed for, check all that apply)**:**

- ☐ A New NEM2VMSH Generating Facility interconnection (at an existing service).
- ☐ For Physical Changes to an interconnected NEM2VMSH Generating Facility with previous approval by PG&E (adding PV panels, changing inverters, or changing load and/or operations).
- ☐ A New NEM2VMSH interconnection in conjunction with a new service. An **Application for Service** must be completed. Additional fees may be required if a service or line extension is required (in accordance with PG&E Electric Rules 15 and 16). Please contact PG&E at 1-800-PGE-5000 (or 1-800-743-5000).
- ☐ A Reallocation of Solar Energy Generation Credits for an Existing NEM2VMSH Facility (see Appendix A). For a reallocation, Owner only needs to fill out Part I, sign Part IV, and complete Appendix A with the reallocation for the NEM2VMSH accounts.

Part II – Selecting the Study Process

Please check one:

- ❑ Fast Track Process
- ❑ Detailed Study (not typical)
  - Will be either an Independent Study Process, Distribution Group Study Process or Transmission Cluster Study Process, dependent upon the Electrical Independence Tests.

Part III – Requirements for Interconnection

In submitting this document, I the Owner, understand and agree to the following terms and conditions:

Permission to Interconnect

Owner must not operate their Generating Facility in parallel with PG&E's Electric System until they receive written authorization for Parallel Operation from PG&E. Unauthorized Parallel Operation could result in injury to persons and/or damage to equipment and/or property for which the Owner may be liable.

Safe Operation of your Generating Facility

Notwithstanding any other provision of this Agreement, if at any time PG&E determines that either (a) the Owner's Facility, or its operation, may endanger PG&E personnel, or (b) the continued operation of the Owner's Facility may endanger the safe and reliable operation of PG&E's electrical system, PG&E shall have the right to disconnect the Facility from PG&E's system. Owner's Facility shall remain disconnected until such time as PG&E is satisfied that the unsafe condition(s) have been corrected.

Interconnections on PG&E's Secondary Network

Applications to interconnect systems located in San Francisco or Oakland may require additional analysis to determine whether or not their proposed installation is on PG&E's networked secondary system. Networked secondary systems are in place to provide heightened levels of reliability in densely populated areas and may affect the ability of PG&E to interconnect NEM2VMSH Owner's solar generating facility. **Please contact Generation Interconnection Services at 415-972-5676 or email gen@pge.com if your proposed installation is in San Francisco where the zip code is 94102, 94103, 94104, 94105, 94107, 94108, 94109, 94111 or 94133 or in Oakland and where the zip code is 94607 or 94612.**

Meter access

Owner's generator output meter and the AC disconnect switch must be installed in a safe, PG&E-accessible location and remain unobstructed by locked gates or pets. Additionally, meter and AC disconnect switch access must be maintained at all times for meter reading and system maintenance. Any animals owned by the Owner or Multifamily residents, including pet dogs, should not have access to these areas to avoid hindering PG&E service personnel, preventing them from completing their work. Customers who currently have generator meters inaccessible from the outside of the building and who choose to place their generator AC disconnect switch near their meter, must place the required generator AC disconnect switch in a location readily accessible to PG&E in order to participate in this program. Should future access problems arise, PG&E reserves the right to terminate service, in accordance with its filed tariffs.

Smart Inverters

For Owner applications received on or after September 9, 2017, the Owner certifies that has submitted the application prior to September 9, 2017, or their inverter-based Generating Facilities fully comply with Section Hh of Rule 21, including configuration of protective settings and default settings, in accordance with the specifications therein.

Distribution Provider may require a field verification of the Owner's inverter. Owner further agrees to cooperate fully with any such request and make their inverter available to the Distribution Provider for such verification. Owner understands that in the event the inverter is not set in accordance with Section Hh of Rule 21, Owner will need to cease operation of generating facility until verification is confirmed by Distribution Provider.

(Solar inverter models and firmware versions that comply with Rule 21 Section Hh can be found athttps://www.energy.ca.gov/programs-and-topics/topics/renewable-energy/solar-equipment-lists.)

Verification of compliance with such requirements shall be provided by the Owner upon request by PG&E in accordance with PG&E's Electric Rule 21.

An "existing inverter" is defined as an inverter that is a component of an existing Generating Facility that meets one or more of the following conditions:

(a) it is already approved by PG&E for interconnection prior to September 9, 2017

(b) the Owner has submitted the interconnection application prior to September 9, 2017,

(c) the Owner provides evidence of having applied for an electrical permit for the Generating Facility installation that is dated prior to September 9, 2017 and submitted a complete interconnection application[1] no later than March 31, 2018, or

(d) the Owner provides evidence of a final inspection clearance from the governmental authority having jurisdiction over the Generating Facility prior to September 9, 201

All "existing inverters" are not required to be Smart Inverters and are only subject to Section H of Rule 21. Owner replacing an "existing inverter" certifies it is being replaced with either:

(i) inverter equipment that complies with Section Hh of Rule 21, (encouraged); or

(ii) a conventional inverter that is of the same size and equivalent ability to that of the inverter being replaced, as allowed in Rule 21 Section H.3.d.ii.

Document and Fee Requirements

Other Documents and/or Fees *may* be required and there may be requirements for interconnection in addition to the above list**,** depending on the specifics of the planned Generating Facility. Other approvals and/or other agreements may be needed for special PG&E programs or regulatory agency requirements.

Stale Agreements

If this agreement is still pending two years from its date of submittal and Owner has not met all of the requirements, PG&E will close this application and Owner will be required to submit a new application should Owner wish to take service on Schedule NEM2VMSH.

A. Agreement Package:

These documents are needed to ensure safe and reliable operation of PG&E's Electric System and to confirm that Owner's interconnection has been performed in accordance with PG&E's tariffs. (Additional forms are available upon request by telephoning 415-972-5676, emailing gen@pge.com, or visiting PG&E's website at www.pge.com/standardnem). **Owners should not delay sending any part of the agreement package to PG&E.**

[1] A complete application consists all of the following without deficiencies:
1. A completed Interconnection Application including all supporting documents and required payments,
2. A completed signed Interconnection Agreement,
3. Evidence of the Owner final inspection clearance from the governmental authority having jurisdiction over the generating system.

As PG&E receives the documentation described in Sections (1) through (5) below, PG&E will begin to process the application.

Required Documents for New Applicants:

1. A completed copy of this **Agreement, including a completed Appendix A** ***Please note***: the Owner's name (as identified in Part I, Section C) must be the same name as on the PG&E bill. In this Agreement, Owner will confirm their otherwise-applicable rate schedule (OAS) for all Common Area accounts in Owner's name as listed in Appendix A – Owners who don't specify an OAS for their Common Area accounts will be defaulted to Rate Schedule E-1, establishing how Owner's Common Area Account's monthly usage or net generation will be charged/credited. Owner's-initiated rate changes are governed in accordance with PG&E's Electric Rule 12.
2. A **single-line diagram** showing Owner's actual installation of his/her Generating Facility. The diagram must include the electrical rating and operating voltages of the significant electrical components such as the service panel, the disconnect switch (if required), inverters, all photovoltaic generators, circuit breakers and other protective devices of the Generating Facility, the general location of the Owner's loads relative to the Generating Facility, and the interconnection with PG&E's Electric System. The diagram must include the following information:

    a. A description and location of the visible, lockable **AC disconnect switch**.

    PG&E requires an Owner to install an AC disconnect switch to facilitate maintenance of the Owner's equipment (i.e. inverter, PV arrays, etc.). The AC disconnect switch provides PG&E the ability to isolate the Owner's generator from the NEM2VMSH Eligible Low Income Facility and utility's Electric System.

b. A description of the specific **inverter**(s) used to control the interconnection between PG&E and the Generating Facility, including rating, brand name, and model number. Only CEC-certified inverters[2] will pass the requirements for Simplified Interconnection per PG&E's Electric Rule 21. Non-certified units will require further study and may involve additional costs.

    c. A complete description of the **generating equipment Owner plans to install**. The description must include the photovoltaic panel manufacturer name, model number, number of panels, and the nameplate rating. As with the inverters, only CEC-certified will pass the requirements for Simplified Interconnection. (See the PG&E website www.pge.com/gen or the CEC website in footnote 1 below.)

    d. A description of how the power output from the inverter is connected to the **main service panel via a branch breaker.** The ampere rating of this branch breaker and the main service panel breaker must be compatible with the output rating of the Generating Facility. The output rating is computed based on the total nameplate rating of the inverter.

    e. PG&E requires **a generation output meter.** The description must include the meter manufacturer, model number and type (socket or panel), as well as any other relevant information (e.g., socket, panels, breakers, etc.). If instrument transformers are required, the description should include this information.

3. A copy of the **final, signed, jurisdictional approval (building permit) for Owner's Generating Facility** from the local government entity with jurisdiction over the Owner's project. **Owner's agreement package will not be complete until PG&E receives this document.**

[2] The CEC's eligible equipment list can be found under the CSI heading at: https://www.energy.ca.gov/programs-and-topics/topics/renewable-energy/solar-equipment-lists

4. **Insurance -** Information regarding any existing **insurance coverage** (liability and/or property) for the Schedule NEM2VMSH Generating Facility location –

   Owner shall meet all applicable safety and performance standards established by the National Electrical Code, the Institute of Electrical and Electronics Engineers, accredited testing laboratories such as Underwriters Laboratories and, where applicable, rules of the California Public Utilities Commission regarding safety and reliability. An Owner with a solar electric Generating Facility that meets those standards and rules shall not be required to install additional controls, perform or pay for additional tests, or purchase additional liability insurance. To the extent that Owner has currently in force property insurance and commercial general liability or personal liability insurance, Owner agrees that it will maintain such insurance in force for the duration of this Agreement in no less amounts than those currently in effect. Pacific Gas and Electric Company shall have the right to inspect or obtain a copy of the original policy or policies of insurance prior to commencing operation. As long as Owner meets the requirements of this section, Owner shall not be required to purchase any additional liability insurance.

❑ I have insurance. I hereby certify that there is presently insurance coverage in the amount of $_____ for the Schedule NEM2VMSH Generating Facility location.

Insuring Company's Name: _____

Insurance Policy # _____

❑ I **do not** have insurance. I hereby certify that there is presently $0 (zero) dollars of insurance for this NEM2VMSH Generating Facility.

B. Internet Agreement Forms

If this Agreement has been completed electronically, it may be submitted to PG&E via e-mail or through PG&E's online portal when it becomes available. Copies or forms requiring a signature, attachments or any applicable fees described in Part II must be e-mailed to PG&E at the address noted in Part I Section G of the Application, "Notices".

Part IV – General Facility

A. Expected **date** of Project Completion and PG&E Receipt of Final, Signed-Off Building Permit for Generating Facility?

Date: _____

B. Are there any other generators interconnected on this account?

❑ Yes

If yes, specify what kind of generator _____

❑ No

C. Are there any possible generator meter access issues?

❑ Yes **If yes**, check all that apply:

❑ Locked Room/Gate	❑ Meter located inside of facility/residence
❑ Unrestrained animal at meter or AC disconnect switch location	❑ Other (Please explain) _____ _____

❑ No

D. Are any of your accounts on a Demand Response program?

❑ Yes
If yes, what program are you on? _____

❑ No.

(For more information on PG&E's demand response programs see: www.pge.com/demandresponse)

Part V – Description of the Generating Facilities ***Use additional sheets, if necessary.***

A. AC Disconnect Switch (see Part II, Section A.2.a above for policy on disconnect switches)

List the AC disconnect switch that will be used at this Generating Facility. **Disconnect Switch Manufacturer**	**Disconnect Switch Model Number**	**Disconnect Switch Rating (amps)**

B. Inverters interconnected with PG&E

List all the inverters that will be interconnected to PG&E.

Owners with non-standard inverters which do not meet the UL and IEEE requirements specified in Electric Rule 21, or Owners whose aggregate Generating Facility capacity exceeds 15% of the peak load on the distribution line section as described in Electric Rule 21 (Section G.1.m.) require a **Supplemental Review** which may entail a study, additional equipment, and/or other requirements.

No.	**Inverter Manufacturer**	**Inverter Model Number**	**Inverter Nameplate Rating[3] kW (per unit)**	**Quantity of Inverters**	**Inverter Output Voltage**	**Single or Three phase?**
1						
2						
3						

[3] The inverter rating equals the nameplate rating, in kW. If there is more than one inverter of one type being installed, the inverter rating equals the nameplate rating of one unit of the model being installed.

C. Photovoltaic Generator Equipment

List the photovoltaic (PV) panel information requested below. If the panels are not all identical modules, list the total capacity connected to each inverter you listed above. (Please attach additional sheets if more space is needed).

No.	PV Panel Manufacturer	PV Panel Model	PV Panel CEC Rating kW (per unit)	Quantity of PV Panels	Total Capacity[4] (kW)	Inverter number from (B.) above (1 or 2)
1						
2						
3						

D. Service Panel Short Circuit Interrupting Rating

For systems larger than 10 kW, what is the short circuit interrupting rating (SCIR) rating of the service panel connected to this generating facility? _____

E. Maximum 3-Phase Fault Current Contribution

What is the maximum 3-phase fault current that will be contributed by the Generating Facility to a 3-phase fault at the Point of Common Coupling (PCC)? (If the Generating Facility is single phase in design, please provide the contribution for a line-to-line fault). _____ Amps

F. CEC Listed

In order to promote the safety and reliability of the customer's Generating Facility, the applicant certifies that as a part its request for NEM2VMSH, that all major solar system components are on the verified equipment list maintained by the California Energy Commission and certifies that other equipment, as determined by PG&E, has safety certification from a nationally recognized testing laboratory.

G. Warranties or Service Agreements

Applicant certifies as a part of its interconnection request for NEM2MSH that:

(i) a warranty of at least 10 years has been provided on all equipment and on its installation, or

(ii) a 10-year service warranty or executed "agreement" has been provided ensuring proper maintenance and continued system performance.

H. Ref costs in Rule 21

Customers on this tariff must pay for the interconnection of their Generation Facilities as provided in Electric Rule 21.

[4] The total capacity is the PV panel rating times the quantity.

Electric Sample Form 79-1125 Sheet 1
NEM / NEMV / NEMVMASH Inspection Report

Please Refer to Attached Sample Form

Pacific Gas and Electric Company®

NEM / NEMV / NEMVMASH Inspection Report[1]

Who needs to complete this Inspection Report?

A customer:

- who becomes a PG&E customer at a home, office or other facility having with an existing Renewable Electrical Generation Facility with plans to remain interconnected with PG&E on Rate Schedules NEM, NEMV or NEMVMASH
- who must complete a new net energy metering contract (for example, Form 79-978 *Interconnection Agreement for Net Energy Metering of Solar or Wind Electric Generating Facilities of 1,000 kW or Less, other than Facilities of 30 kW or Less)* with PG&E for the existing generating facility and
- whose electrical generating facility and meter have not been installed or inspected within the previous three years and
- who must arrange to have their generating facility inspected and the Contractor section of this report completed by a California licensed electrician who is not the owner or operator of the facility and meter.

This *NEM / NEMV / NEMVMASH INSPECTION REPORT* (Report), pursuant to Public Utilities Code Section 2827c(2), shall be completed and submitted by a PG&E customer who enters into a new net energy metering contract (for example, Form 79-978 *Interconnection Agreement for Net Energy Metering of Solar or Wind Electric Generating Facilities of 1,000 kW or Less, other than Facilities of 30 kW or Less*) for an existing and unmodified NEM, NEMV or NEMVMASH eligible electrical generating facility (Generating Facility) and meter. The customer shall submit to PG&E this completed inspection report with the interconnection agreement for the Generating Facility, that passes all the Operational Tests in Part II Section I, unless the Generating Facility and meter have been installed or inspected within the previous three years. Part II of the inspection report shall be prepared by a California licensed contractor who is not the owner or operator of the Generating Facility and meter. A California licensed electrician (Inspector) shall perform the inspection of the electrical portion of the Generating Facility and meter.

Instructions

1) The Customer shall compete all of Part I and complete Section A of Part II. The Customer information in Section A of Part II should match that in Part I.

2) The Customer should arrange to have the Inspector inspect their Generating Facility and compete the reminder of Part II of this form and sign it.

3) The customer shall then submit the fully completed Report to PG&E.

If this form is not submitted within 90 days of the Customer becoming the customer of record for this account, Customer agrees to disconnect their Generating Facility and inform PG&E it no longer will take service on schedule NEM, NEMV or NEMVMASH.

For the safety of the Customer and PG&E employees, under no circumstances shall the Generating Facility be operated while interconnected with PG&E if it does not pass the Operational Test in Part II, Section I.

[1] Automated Document, Preliminary Statement, Part A.

Part I – Customer Information

A. Customer Generating Facility Information – Who is the PG&E Customer for this Generating Facility?

Generating Facility PG&E Account Holder Name (Must Match Customer Name on PG&E Blue Bill for generator)	PG&E Account Number for Generating Facility	Meter Number (Meter Badge ID)

Account Holder Street Address		
Account Holder City	Account Holder State	Account Holder Zip

Account Holder Billing Mail Address		
Billing City	Billing State	Billing Zip

Business Phone	Cell Phone	Fax	Email

B. Generator Location – Where is the Generating Facility Located?

Contact at Generator Location		
Generator Address		
Generator City	Generator State	Generator Zip

Generator Contact Phone	Fax	Email

❑ This contact person is to be used as PG&E contact and is authorized by Customer to receive confidential Customer information and act on behalf of Customer with respect to this agreement.[2]

C. Modifications

To your knowledge, has the system been modified in any way? □ No □ Yes

D. Installation Date

Do you know when this Generating Facility was installed?

□ No

□ Yes, Date Installed _____

E. Last Inspection Date

Do you know if this Generating Facility had a prior PG&E inspection?

□ No

□ Yes

Date of last inspection? _____

[2] Customer must utilize the *Authorization to Receive Customer Information or Act on a Customer's Behalf form*, which may be found at https://www.pge.com/tariffs/assets/pdf/tariffbook/ELEC_FORMS_79-1095.pdf.

[1] Automated Document, Preliminary Statement, Part A.

F. By the Customer signing the attached new *Interconnection Agreement for Net Energy Metering of Solar or Wind Electric Generating Facilities of 1,000 kW or Less, other than Facilities of 30 kW or Less, F*orm 79-978, or other new NEM, NEMV or NEMVMASH interconnection agreement, this NEM / NEMV / NEMVMASH Inspection Report is hereby incorporated into Customer's new interconnection agreement.

A copy of this signed report should be retained with the "Permission to Operate" letter to confirm successful Generating Facility inspection.

Mailing Instructions and Assistance:

When this report has been completed it should be mailed to:

PG&E'S P.O. BOX ADDRESS	PG&E'S STREET ADDRESS
Pacific Gas and Electric Company Attention: Generation Interconnection Services Mail Code N7L P.O. Box 770000 San Francisco, California 94177	Pacific Gas and Electric Company Attention: Generation Interconnection Services Mail Code N7L 245 Market St. San Francisco, California 94105

If this Report has been completed electronically, it may be submitted to PG&E via e-mail or U.S. mail. Copies or forms requiring a signature, attachments or any applicable fees described in Part II must be mailed to PG&E at the address noted in the Notice Section of Customer's new interconnection agreement.

Phone calls and questions may be directed to the Generation Interconnection Services hotline at: 415-972-5676 or email gen@pge.com

Part II –Electrical Inspector Section

A. Inspection Information (to be filled in by the Customer – must match information in Part I)

Generating Facility PG&E Account Holder Name (Must Match Customer Name on PG&E Blue Bill for generator)	PG&E Account Number for Generating Facility	Meter Number (Meter Badge ID)
Generator Address		

[1] Automated Document, Preliminary Statement, Part A.

---------- To be completed by Inspector ----------

B. Inspector Information

California licensed Electrician Name	Company Name	
Currently Valid California Electrician License Number		
Mailing Address		
City	State	Zip
Business Phone	Fax	Email

C. Inverters interconnected with PG&E

List all the inverters that currently are interconnected to PG&E at this Generating Facility.

No.	Inverter Manufacturer	Inverter Model Number	Inverter Nameplate Rating[3] kW (per unit)	Inverter CEC Rating kW (per unit)	Quantity of Inverters	Inverter Output Voltage	Single or Three phase?
1							
2							

D. Inverter CEC Approved

Are all the inverter models listed above currently listed on the https://www.energy.ca.gov/programs-and-topics/topics/renewable-energy/solar-equipment-lists website?

□ Yes □ No[4]

[3] The inverter rating equals the nameplate rating, in kW. If there is more than one type of inverter being installed, the inverter rating equals the nameplate rating of one unit of each model being installed.

[4] Equipment not currently listed on the Go Solar website, or equipment formerly listed but no longer listed, may be subject to additional review or testing before being authorized to continue interconnection with PG&E, depending on the reason it is no longer listed.

[1] Automated Document, Preliminary Statement, Part A.

E. Photovoltaic Generator Equipment (if applicable)

List the photovoltaic (PV) panel information requested below. If the panels are not all identical modules, list the total capacity connected to each inverter you listed above. (Please attach additional sheets if more space is needed).

No.	PV Panel Manufacturer	PV Panel Model	PV Panel Nameplate Rating[5] kW (per unit)	PV Panel CEC Rating kW (per unit)	Quantity of PV Panels	Total Capacity[6] (kW)	Inverter number from (C.) above (1 or 2)
1							
2							

F. PV Panels CEC Approved

Are all the PV panel models listed above currently listed on thehttps://www.energy.ca.gov/programs-and-topics/topics/renewable-energy/solar-equipment-lists website?

□ Yes □ No[7]

G. Wind Turbine Equipment (if applicable)

List the wind turbine information requested below. Write NONE if the inverter is incorporated in the wind turbine and no inverter is required.

No.	Wind Turbine Manufacturer	Wind Turbine Model	Wind Turbine Nameplate Rating[8] kW (per unit)	Wind Turbine CEC Rating (kW) per unit	Quantity of Wind Turbines	Total Capacity (kW)[8]	Turbine Output Voltage	Single or Three Phase	Inverter number from (C) above (1 or 2)
1									

H. Wind Turbine CEC Approved

Are all the wind turbine models listed above currently listed on thehttps://www.energy.ca.gov/programs-and-topics/topics/renewable-energy/solar-equipment-lists website?

□ Yes □ No[9]

[5] For all generation equipment ratings, please use the nameplate rating found on the equipment or in the equipment specifications.

[6] The total capacity is the photovoltaic (PV) panel (or wind turbine) rating times the quantity.

[7] Id. Footnote 4 above.

[8] Id. Footnote 6 above.

[9] Id. Footnote 4 above.

[1] Automated Document, Preliminary Statement, Part A.

I. Renewable Electrical Generation Facility (if applicable)

Identify the Renewable Electrical Generation Facility generator type code(s) from the table below and write it into the following table. Write NONE if no inverter is incorporated in each Generating Facility.

Generator Type Code Table		
A – biomass	B – solar thermal	C – geothermal
D – fuel cell	E – small hydroelectric generation	F – digester gas
G – municipal solid waste	H – landfill gas	I – ocean wave
J – ocean thermal	K – tidal current	

No.	Generator Type Code(s) for Renewable Electrical Generation Facility	Model	Nameplate Rating[10] kW (per unit)	Quantity (if multiple units)	Total Capacity (kW)[8]	Output Voltage	Single or Three Phase	Inverter number from (C) above (1 or 2)
1								

Customers with non-certified generation equipment, such as synchronous generators, shall retain qualified testing personnel to perform the necessary tests specified in Rule 21 to meet this requirement. Customer or Inspector shall provide PG&E with 30 days notice of such facility testing, the testing shall be conducted at a mutually agreeable time, and PG&E shall be given the opportunity to witness the tests.

J. Other Interconnected Generators

Are there other generators interconnected on this account at this location? □ Yes □ No

If Yes, list generator technology and capacity for all generators

_____

Are there any backup generators? □ Yes □ No

If yes, there are backup generators, is the back-up generator is open or close transition?
□ Open □ Closed

K. Operational Tests

1.) Anti-islanding test

Pursuant to PG&E's Electric Rule 21, Section H.1.a.(3), verify the Generating Facility ceases to output within two seconds of opening the disconnect switch or otherwise disconnecting the Generating Facility from PG&E electrical system.

Passes test? □ Yes

2.) Reclose and return to service within Rule 21 guidelines

Pursuant to PG&E's Electric Rule 21, Section H.1.a.(2), verify that the time-delay function reconnects the Generating Facility with PG&E's Distribution System after at least 60 seconds.

[10] Id. Footnote 6 above.

[1] Automated Document, Preliminary Statement, Part A.

Passes test? □ Yes

L. Governing Authority

The terms and conditions of this inspection report shall at all times be subject to such changes or modification by the Public Utilities Commission of the State of California as said Commission may, from time to time, direct in the exercise of its jurisdiction.

M. Inspector Signature

I certify that I am currently a California licensed electrician, that the responses given in Part II of this Report for the Generating Facility are true and accurate to the best of my knowledge, and that the Generating Facility satisfies the Operational Tests in Part II, Section I.

Name California licensed electrical contractor (Please Print): _____

Name California licensed electrical contractor Signature: _____ Date:_____

California licensed electrician License No: _____

[1] Automated Document, Preliminary Statement, Part A.

ELECTRIC SAMPLE FORM 79-1131 Sheet 1

NEMV APPLICATION AND INTERCONNECTION AGREEMENT FOR A SOLAR (PV) OR WIND GENERATING FACILITY OF 1 MW OR LESS

Please Refer to Attached Sample Form

Pacific Gas and Electric Company®

NEMV

Application and Interconnection Agreement for a Solar (PV) or Wind Generating Facility of 1 MW or Less

Please note: This agreement does not constitute an application for rebate and/or incentive programs. For more information on these programs, please visit the program website at the links provided below.

- California Solar Initiative (CSI): www.pge.com/csi
- Self-Generation Incentive Program (SGIP): www.pge.com/sgip

Project Identification Number _____ (for PG&E's use only)

Part I – Identifying the Generating Facility's Location and Responsible Parties

A. Applicability and Purpose:

This *Application and Interconnection Agreement for a Solar (PV) or Wind Generating Facility of 1 MW or Less* (Agreement) applies to electric rate schedule *NEMV—Virtual Net Energy Metering For A Multi-Tenant And Multi-Meter Property Served At The Same Service Delivery Point* for the Owner or designated agent of the Owner (Owner) who interconnects a single solar photovoltaic and/or wind generating facility sized no larger than for the energy requirements of all eligible Benefitting Accounts (as defined in Schedule NEMV) of the past year but with a maximum total size of no larger than one MW or 1,000 kW (Renewable Electric Generation Facility) that is located at a Single Delivery Point[1] with other individually metered PG&E Benefitting Accounts the will be allocated the benefits of the Renewable Electric Generation Facility as described in NEMV, that meets all the applicability requirements in Schedule NEMV, and that operates in parallel with Pacific Gas and Electric Company's (PG&E) Distribution System.

The purpose of this Agreement is to allow the Owner to interconnect the Renewable Electric Generation Facility with PG&E's Distribution System, subject to the provisions of this Agreement and PG&E's rate schedule NEMV. Owner has elected to interconnect and operate its Renewable Electric Generation Facility in parallel with PG&E's Distribution System, primarily to offset part or all of the NEMV Arrangement's own electrical requirements of the Benefitting Accounts at the affiliated service delivery point as listed in Appendix A. Owner shall comply at all times with this Agreement as well as with all applicable laws, tariffs and applicable requirements of the Public Utilities Commission of the State of California.

Note: If this application is for a Renewable Electric Generation Facility with a generator type that is other than solar (PV) and wind covered in Schedule NEMV, please use Application Form 79-1142.

Guidelines and Steps for Interconnection

This Application and Agreement must be completed and sent to PG&E along with a completed Supplemental Data Collection Form for Net Energy Metered Generating Facilities to initiate PG&E's interconnection review of the proposed Generating Facility.

B. NEM Transition

Customers receiving service on the current NEMV tariff prior to the date that PG&E reaches its NEM Cap or July 1, 2017, whichever is earlier are subject to the NEM Transition Provisions outlined in Rate Schedule NEM. Please see Rate Schedules NEM and NEMV at https://www.pge.com/tariffs/assets/pdf/tariffbook/ELEC_SCHEDS_NEM.pdf and https://www.pge.com/tariffs/assets/pdf/tariffbook/ELEC_SCHEDS_NEMV.pdf for more details.

[1] Customer-owned line extensions that deliver power to other meters on the same property are not considered separate SDPs.

D. Description of Service (This Agreement is being filed for, check all that apply)**:**

- ❑ A New NEMV Renewable Electric Generation Facility interconnection (at an existing service).
- ❑ For Physical/Electrical Changes to an interconnected NEMV Renewable Electric Generation Facility with previous approval by PG&E (adding PV panels, changing inverters, or changing load and/or operations).
- ❑ A New NEMV interconnection in conjunction with a new service. An **Application for Service** must be completed. Additional fees may be required if a service or line extension is required (in accordance with PG&E Electric Rules 15 and 16). Please contact PG&E at 1-800-PGE-5000 (or 1-800-743-5000).
- ❑ A Reallocation of Eligible Energy Generation Credits under NEMV for an Existing Renewable Electric Generation Facility (see Appendix A). For a reallocation, Owner only needs to fill out Part I, sign Part IV, and complete Appendix A with the reallocation for the NEMV accounts.

  Special Condition 6 of Schedule NEMV requires that any Customer with an existing generating facility and meter who enters into a new NEMV agreement shall complete and submit a copy of Form 79-1125 *NEM / NEMV / NEMVMASH Inspection Report* to PG&E, unless the electrical generating facility and meter have been installed and/or inspected within the previous three years.

E. Owner's Renewable Electric Generation Facility Information - Where will the Generating Facility be installed?

Name shown on Owner's PG&E service account (Must Match Owner's Name on PG&E Energy Bill)			
Street Address			
City		State	Zip
Mailing Address			
City		State	Zip
Business Phone	Home Phone	Fax	Email

F. Contractor Information (Must be completed even if Contractor will not serve as a PG&E contact).

Contractor		Company Name	
Mailing Address			
City		State	Zip
Business Phone	Fax	Email	

❑ This contractor is to be used as PG&E contact and is authorized by Owner to receive confidential Owner information and act on behalf of Owner with respect to this agreement.

G. Other Contact Information (This information is optional).

Contact Person	Company Name	
Mailing Address		
City	State	Zip
Business Phone	Fax	Email

❑ This contact person is to be used as PG&E contact and is authorized by Owner to receive confidential Owner information and act on behalf of Owner with respect to this agreement.

By checking the boxes above and signing this agreement, Owner authorizes PG&E to release information to the contact(s) named above regarding Owner's usage and billing information, Renewable Electric Generation Facility location, size and operational characteristics as requested in the course of this interconnection process. PG&E is granted permission to share information with authorized recipients for a period of **two years** from the date this agreement is received by PG&E. Contact(s) are also authorized to make changes to rates and metering arrangements that may result in charges to Owner. Should Owner wish to select a different authoriziaton period, Owner may utilize the *Authorization to Received Customer Information or Act on a Customr's Behalf*, which may be found at:
https://www.pge.com/tariffs/assets/pdf/tariffbook/ELEC_FORMS_79-1095.pdf.

In addition, Owner authorizes PG&E to release to the California Energy Commission (CEC) information regarding Owner's facility, including Owner's name and Renewable Electric Generation Facility location, size, and operational characteristics, as requested from time to time pursuant to the CEC's rules and regulations.

Part II – Selecting the Study Process

Please check one:

- ❑ Fast Track Process
- ❑ Detailed Study (not typical)
  - Will be either an Independent Study Process, Distribution Group Study Process or Transmission Cluster Study Process, dependent upon the Electrical Independence Tests.

Part III – Requirements for Interconnection

In submitting this document, I the Owner, understand and agree to the following terms and conditions:

Permission to Interconnect
Owner must not operate their Renewable Electric Generation Facility in parallel with PG&E's Distribution System until they receive written authorization for Parallel Operation from PG&E. Unauthorized Parallel Operation could result in injury to persons and/or damage to equipment and/or property for which the Owner may be liable.

Safe Operation of the Renewable Electric Generation Facility
Notwithstanding any other provision of this Agreement, if at any time PG&E determines that either (a) the Owner's Facility, or its operation, may endanger PG&E personnel, or (b) the continued operation of the Owner's Facility may endanger the safe and reliable operation of PG&E's electrical system, PG&E shall have the right to disconnect the Facility from PG&E's system. Owner's Facility shall remain disconnected until such time as PG&E is satisfied that the unsafe condition(s) have been corrected.

Interconnections on PG&E's Secondary Network
Applications to interconnect systems located in San Francisco or Oakland may require additional analysis to determine whether or not their proposed installation is on PG&E's networked secondary system. Networked secondary systems are in place to provide heightened levels of reliability in densely populated areas and may affect the ability of PG&E to interconnect NEMV Owner's Renewable Electric Generation Facility. **Please contact Generation Interconnection Services at 415-972-5676 or email gen@pge.com if your proposed installation is in San Francisco where the zip code is 94102, 94103, 94104, 94105, 94107, 94108, 94109, 94111 or 94133 or in Oakland and where the zip code is 94607 or 94612.**

Meter Access
Owner's generator output meter and the AC disconnect switch must be installed in a safe, PG&E-accessible location and remain unobstructed by locked gates or pets. Additionally, meter and AC disconnect switch access must be maintained at all times for meter reading and system maintenance. Any animals owned by the Owner or Multifamily residents, including pet dogs, should not have access to these areas to avoid hindering PG&E service personnel, preventing them from completing their work. Customers who currently have generator meters inaccessible from the outside of the building and who choose to place their generator AC disconnect switch near their meter, must place the required generator AC disconnect switch in a location readily accessible to PG&E in order to participate in this program. Should future access problems arise, PG&E reserves the right to terminate service, in accordance with its filed tariffs.

Smart Inverters
For Owner applications received on or after September 9, 2017, the Owner certifies that their inverter-based Generating Facilities fully comply with Section Hh of Rule 21, including configuration of protective settings and default settings, in accordance with the specifications therein.

Distribution Provider may require a field verification of the Owner's inverter. Owner further agrees to cooperate fully with any such request and make their inverter available to the Distribution Provider for such verification. Owner understands that in the event the inverter is not set in accordance with Section Hh of Rule 21, Owner will need to cease operation of generating facility until verification is confirmed by Distribution Provider.

(Solar inverter models and firmware versions that comply with Rule 21 Section Hh can be found athttps://www.energy.ca.gov/programs-and-topics/topics/renewable-energy/solar-equipment-lists.)

Verification of compliance with such requirements shall be provided by the Owner upon request by PG&E in accordance with PG&E's Electric Rule 21.

An "existing inverter" is defined as an inverter that is a component of an existing Generating Facility that meets one or more of the following conditions::

(a) it is already approved by PG&E for interconnection prior to September 9, 2017,

(b) the Owner has submitted the interconnection application prior to September 9, 2017,

(c) the Owner provides evidence of having applied for an electrical permit for the Generating Facility installation that is dated prior to September 9, 2017 and submitted a complete interconnection application1[2] no later than March 31, 2018, or

(d) the Owner provides evidence of a final inspection clearance from the governmental authority having jurisdiction over the Generating Facility prior to September 9, 2017.

All "existing inverters" are not required to be Smart Inverters and are only subject to Section H of Rule 21. Owner replacing an "existing inverter" certifies it is being replaced with either:

(i) inverter equipment that complies with Section Hh of Rule 21, (encouraged); or

(ii) a conventional inverter that is of the same size and equivalent ability to that of the inverter being replaced, as allowed in Rule 21 Section H.3.d.ii.

Document and Fee Requirements
Other Documents and/or Fees may be required and there may be requirements for interconnection in addition to the above list, depending on the specifics of the planned Renewable Electric Generation Facility. Other approvals and/or other agreements may be needed for special PG&E programs or regulatory agency requirements.

Stale Agreements
If this agreement is still pending two years from its date of submittal and Owner has not met all of the requirements, PG&E will close this application and Owner will be required to submit a new application should Owner wish to take service on Schedule NEMV.

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[2] A complete application consists all of the following without deficiencies:
1. A completed Interconnection Application including all supporting documents and required payments,
2. A completed signed Interconnection Agreement,
3. Evidence of the Owner final inspection clearance from the governmental authority having jurisdiction over the generating system.

Agreement Package:

These documents are needed to ensure safe and reliable operation of PG&E's Distribution System and to confirm that Owner's interconnection has been performed in accordance with PG&E's tariffs. (Additional forms are available upon request by telephoning 415-972-5676, emailing gen@pge.com, or visiting PG&E's website at www.pge.com/standardnem). **Owners should not delay sending any part of the agreement package to PG&E.** As PG&E receives the documentation described in Sections (1) through (7) below, PG&E will begin to process the application.

Required Documents for New Applicants:

1. A completed copy of this **Agreement, including completed Appendices A, B and C**. ***Please note***: the Owner's name (as identified in Part I, Section D) must be the same name as on the PG&E bill. In this Agreement, Owner will confirm their otherwise-applicable rate schedule (OAS) for all Benefitting accounts in Owner's name as listed in Appendix A – Owners who don't specify an OAS for their Benefitting accounts will be defaulted to Rate Schedule E-1, for residential accounts, A-1 or B-1 for general service accounts (unless required to be on a mandatory rate schedule such a E-19, B-19, E-20 or B-20), and AG-1 or AG-A1 for agricultural rates when establishing how Owner's Benefitting Account's monthly usage or net generation will be charged/credited. Owner's-initiated rate changes are governed in accordance with PG&E's Electric Rule 12.

2. A **single-line diagram** showing Owner's actual installation of his/her Renewable Electric Generation Facility. The diagram must include the electrical rating and operating voltages of the significant electrical components such as the service panel, the disconnect switch (if required), inverters, all generators, circuit breakers and other protective devices of the Renewable Electric Generation Facility, the general location of the Owner's loads relative to the Renewable Electric Generation Facility, and the interconnection with PG&E's Distribution System. The diagram must include the following information:

   a. A description and location of the visible, lockable **AC disconnect switch**.

      PG&E requires an Owner to install an AC disconnect switch to facilitate maintenance of the Owner's equipment (i.e. inverter, PV arrays, etc). The AC disconnect switch provides PG&E the ability to isolate the Owner's generator from the NEMV Eligible Renewable Electric Generation Facility and utility's Distribution System.

   b. A description of the specific **inverter**(s) used to control the interconnection between PG&E and the Renewable Electric Generation Facility, including rating, brand name, and model number. Only CEC-certified inverters[3] will pass the requirements for Simplified Interconnection per PG&E's Electric Rule 21. Non-certified units will require further study and may involve additional costs.

   c. A complete description of the **generating equipment Owner plans to install**. The description must include the photovoltaic panel or wind turbine manufacturer name, model number, number of panels, and the nameplate rating. As with the inverters, only CEC-certified will pass the requirements for Simplified Interconnection. (See the PG&E website www.pge.com/gen or the CEC website in footnote 1 below).

   d. A description of how the power output from the inverter is connected to the **main service panel via a branch breaker.** The ampere rating of this branch breaker and the main service panel breaker must be compatible with the output rating of the Generating Facility. The output rating is computed based on the total nameplate rating of the inverter.

   e. PG&E requires **a generation output meter.** The description must include the meter manufacturer, model number and type (socket or panel), as well as any other relevant information (e.g., socket, panels, breakers, etc.). If instrument transformers are required, the description should include this information. NEMV customers may be able to combine the generator output meter with an incentive meter. See Schedule NEMV for details and the cost.

3. **Site Diagram** – The site diagram must show the building or buildings at the same Service Delivery Point that will be included as part of the NEMV Arrangement that meets the single Service Delivery Point requirement in the Applicability Section of NEMV, the meter locations, and denote where the Renewable Electric Generation Facility will be located and interconnected.

4. Information regarding any existing **insurance coverage** (liability and/or property) for the Schedule NEMV Generating Facility location:

[3] The CEC's eligible equipment list can be found under the CSI heading at: https://www.energy.ca.gov/programs-and-topics/topics/renewable-energy/solar-equipment-lists

Owner shall meet all applicable safety and performance standards established by the National Electrical Code, the Institute of Electrical and Electronics Engineers, accredited testing laboratories such as Underwriters Laboratories and, where applicable, rules of the California Public Utilities Commission regarding safety and reliability. An Owner with a Renewable Electric Generation Facility that meets those standards and rules shall not be required to install additional controls, perform or pay for additional tests, or purchase additional liability insurance.

- ❑ To the extent that Owner has currently in force property insurance and commercial general liability or personal liability insurance, Owner agrees that it will maintain such insurance in force for the duration of this Agreement in no less amounts than those currently in effect. Pacific Gas and Electric Company shall have the right to inspect or obtain a copy of the original policy or policies of insurance prior to commencing operation. As long as Owner meets the requirements of this section, Owner shall not be required to purchase any additional liability insurance.
- ❑ I **have** insurance. I hereby certify that there is presently insurance coverage in the amount of $_____ for the Schedule NEMV Generating Facility location.

  Insuring Company's Name: _____

  Insurance Policy # _____
- ❑ I **do not** have insurance. I hereby certify that there is presently $0 (zero) dollars of insurance for the Schedule NEMV Generating Facility location.

5. A copy of the **final, signed, jurisdictional approval (building permit) for Owner's Generating Facility** from the local government entity with jurisdiction over the Owner's project. **Owner's agreement package will not be complete until PG&E receives this document.**
6. Schedule NEMV may include charges where applicable, including but not limited to that in Special Conditions: 1 (metering), 2 (one-time set-up or modification charges) and/or 3 (demand credit set-up charges).
7. **Appendix C Site Assessment Documentation** as described in the cover sheet for Appendix C.

Internet Agreement Forms

If this Agreement has been completed electronically, it may be submitted to PG&E via e-mail or through PG&E's online portal when it becomes available. Copies or forms requiring a signature, attachments or any applicable fees described in Part II must be emailed (with all aforementioned documents scanned and included as attachments) to PG&E at the address noted in Part V Section G, "Notices".

Part IV – General Facility

A. Expected **date** of Project Completion and PG&E Receipt of Final, Signed-Off Building Permit for Generating Facility?

Date: _____

B. Are there any other generators interconnected on this account?

- ❑ Yes

  If yes, specify what kind of generator _____
- ❑ No

C. Are there any possible generator meter access issues?

- ❑ Yes **If yes**, check all that apply:

❑ Locked Room/Gate	❑ Meter located inside of facility/residence
❑ Unrestrained animal at meter or AC disconnect switch location	❑ Other (Please explain) _____

- ❑ No

D. Are any of your accounts on a Demand Response program?

Qualified Customers are eligible for the same demand response programs and solar tariffs as NEM customers. Demand response payments to Qualified Customers will be based on the Qualified Customer's metered usage disregarding any contributions from virtually net-metered generation. Similarly, any other demand response programmatic elements that are affected by a customer's load (e.g., program eligibility) should also exclude from consideration any impacts of NEMV generation.

- ❑ Yes
  If yes, what program are you on? _____
- ❑ No.

E. Generator Interconnection Tie-in Point – Does your interconnection satisfy PG&E's Meter Standards (Appendix C of this Agreement)?

- ❑ Yes
- ❑ No. Reason: _____

If after review of a customer's NEMV application PG&E determines a site assessment is essential, then PG&E may conduct a site assessment. Please note that entering PG&E sealed sections of their service panels is unsafe and not permitted without PG&E's supervision and express authorization.

F. Are you planning to meet the requirements specified in the PG&E Greenbook (current reference is "VNEM Installation Requirements", Utility Bulletin TD6999B-005, 02/06/2012)?

- ❑ Yes
- ❑ No. Reason: _____

G. Where are you planning to tie in? Can you provide Switchgear cutsheets, detailing the proposed point of connection and bussing modification / clearances, cutsheets of the NGOM socket, to clearly identify proposed tie-in point?

Location: _____

H. Is the currently proposed tie-in point a result of restrictions placed on altering the existing panel or equipment within, as imposed by the local authority having jurisdiction?

- ❑ Yes - What restriction? _____
- ❑ No.

I. Have you confirmed the Ampere Interrupting capacity (AIC) rating of the existing panel?

- ❑ Yes
- ❑ No. Reason: _____

J. Is the account located within a PG&E secondary "network" system?
(Note: PG&E does not allow exporting generators to connect to secondary network systems. Portions of San Francisco and Oakland, where PG&E has a network grid. Customers seeking generator interconnections in San Francisco and Oakland must contact PG&E before beginning any work. See Section II above for more details.)

- ❑ Yes.
- ❑ No.

K. Are there existing PG&E gas or other utility's facilities in the vicinity of the proposed point of interconnection? (Note: Minimum clearances must be maintained from PG&E facilities, as specified in PG&E's Greenbook)

- ❑ Yes - Describe:_____ _____
- ❑ No.

L. Are you going to require PG&E to arrange to de-energize the service panel for you to safely connect the generator to the service panel?

(Note: that the de-energizing process may be as simple as a PG&E Troubleman opening a switch, or as involved as a PG&E crew performing switching, and rearrangement of service wires, and coordinating with neighboring customers that might be impacted by this de-energizing project. **PG&E requires ten (10) business days advance notice prior to performing such a request.)**

- ❑ Yes - Describe:_____ _____
- ❑ No.

M. Can this de-energizing of the service panel be done during normal business hours?

- ❑ Yes
- ❑ No. If not, what time of the week and time of the day do you request this service disconnection to occur?

Mon Tues Wed Thu Fri Sat Sun (circle day of week) ____:_____AM / PM___ (enter time & circle AM or PM)

Note- the time of de-energizing the service panel will also depend on whether other customers are impacted and their input to the process.

N. What is the duration of the service disconnection requested?

Duration _____

O. Do you need PG&E personnel to stand by while you perform your work?

- ❑ Yes
- ❑ No

P. Will you need to obtain clearance from the local authority having jurisdiction prior to PG&E re-energizing the service panel?

(Note: Some cities/counties require that they have inspected the panel prior to reenergizing. You will need to provide proof of the local authority that your work will not require such approval, or be prepared to provide that to PG&E prior to PG&E re-energizing the panel).

- ❑ Yes
- ❑ No

Part V – Description of the Generating Facilities *Use additional sheets, if necessary.*

A. AC Disconnect Switch (see Part II, Section A.2.a above for policy on disconnect switches).
List the AC disconnect switch that will be used at this Generating Facility.

Disconnect Switch Manufacturer	Disconnect Switch Model Number	Disconnect Switch Rating (amps)

B. Inverters interconnected with PG&E
List all the inverters that will be interconnected to PG&E.

Owners with non-standard inverters which do not meet the UL and IEEE requirements specified in Electric Rule 21, or Owners whose aggregate Generating Facility capacity exceeds 15% of the peak load on the distribution line section as described in Electric Rule 21 (Section G.1.m) require a **Supplemental Review** which may entail a study, additional equipment, and/or other requirements.

No.	Inverter Manufacturer	Inverter Model Number	Inverter Nameplate Rating[4] kW (per unit)	Quantity of Inverters	Inverter Output Voltage	Single or Three phase?
1						
2						

C. Photovoltaic Generator Equipment

List the photovoltaic (PV) panel information requested below. If the panels are not all identical modules, list the total capacity connected to each inverter you listed above. (Please attach additional sheets if more space is needed).

No.	PV Panel Manufacturer	PV Panel Model	PV Panel CEC Rating kW (per unit)	Quantity of PV Panels	Total Capacity[5] (kW)	Inverter number from (B.) above (1 or 2)
1						
2						

D. Wind Turbine Equipment (if applicable)

List the wind turbine information requested below. If there is more than one wind turbine of the same type, list the total capacity connected to each inverter you listed in B) above. Write NONE if the inverter is incorporated in the wind turbine and no inverter is required.

No.	Wind Turbine Manufacturer	Wind Turbine Model	Wind Turbine Nameplate Rating kW (per unit)[6]	Wind Turbine CEC Rating (kW) per unit	Quantity of Wind Turbines	Total Capacity (kW)[7]	Turbine Output Voltage	Single or Three Phase	Inverter number from (B) above (1 or 2)
1									

E. Service Panel Short Circuit Interrupting Rating

For systems larger than 10 kW, what is the short circuit interrupting rating (SCIR) rating of the service panel connected to this generating facility? _____

F. Maximum 3-Phase Fault Current Contribution

What is the maximum 3-phase fault current that will be contributed by the Generating Facility to a 3-phase fault at the Point of Common Coupling (PCC)? (If the Generating Facility is single phase in design, please provide the contribution for a line-to-line fault). _____ Amps

G. Notices - Mailing Instructions and Assistance:

When this agreement has been completed it should be e-mailed, along with the required attachments, to the email address below. Any applicable fee payments shall be mailed to:

Payment USPS Mail	Payment Overnight Mail
USPS Mail: PG&E CFM/PPC Department P.O. Box 997340 Sacramento, CA 95899-7340	Overnight Mail: PG&E/Customer Fund Management Payment Processing Center 885 Embarcadero Drive West Sacramento, CA 95605

[4] The inverter rating equals the nameplate rating, in kW. If there is more than one inverter of one type being installed, the inverter rating equals the nameplate rating of one unit of the model being installed.

[5] The total capacity is the PV panel rating times the quantity.

[6] For all generation equipment ratings, please use the nameplate rating found on the equipment or in the equipment specifications.

[7] The total capacity is the PV panel (or wind turbine) rating times the quantity.

Phone calls and questions may be directed to the Generation Interconnection Services' hotline at: 415-972-5676 or an electronic application may be submitted to NEMVGen@pge.com

H . Governing Law

This Agreement shall be interpreted, governed, and construed under the laws of the State of California as if executed and to be performed wholly within the State of California.

I . Term of Agreement

After receipt of all applicable fees, required documents, and this completed Agreement, this Agreement shall become effective on the date of PG&E issues the permission to operate letter. This Agreement shall continue in full force and effect until terminated by either Party providing 30-days prior written notice to the other Party, or when a new Owner takes service with PG&E operating this approved generating facility. This new Owner will be interconnected subject to the terms and conditions as set forth in Schedule NEMV.

J . Governing Authority

This contract shall at all times be subject to such changes or modification by the Public Utilities Commission of the State of California as said Commission may, from time to time, direct in the exercise of its jurisdiction.

K. Appendix A, Appendix B and Appendix C

Attached to this agreement are:

- *Appendix A - Designation of NEMV Generating Account and Benefitting Accounts and their respective Eligible Energy Credit Allocation*
- *Appendix B – Owner Affidavit Warranting That NEMV Arrangement Is Sized to Load;* and
- *Appendix C – Generator Interconnection Tie-in Point Documentation*

Owner Name (Please Print): _____

(Signature): _____ Date:_____

Title: _____

A copy of this signed agreement should be retained with the "Permission to Operate" letter to confirm project approval.

Appendix A – Designation of NEMV Generating Account and Benefitting Accounts and Their Respective Eligible Energy Credit Allocation

Project Identification Number _____ (for PG&E's use only)

Section 1 Instructions

a. Complete the section below (this information must match the Owner information on the associated *Application and Interconnection Agreement for a Solar (PV) or Wind Generating Facility of 1 MW or Less Serving Multi-Tenant And Multi-Meter Property* for the same NEMV Renewable Electric Generation Facility.

Owner Name	Address	Date

b. Is this an application to establishing the Annual Eligible Energy Credit Allocation for a new NEMV Arrangement or for a change to the Allocation for an existing NEMV facility, as described in either NEMV Special Condition 2 or 3(g)?

- ❑ This application is for an allocation for the initial, new NEMV Arrangement:
- ❑ This application is for a reallocation for an existing NEMV Arrangement:

c. Please use the attached Appendix A, Section 2 page to list all Benefitting Accounts in the Arrangement that will be taking service on NEMV. Alternatively, an Applicant may fill out the table below in a digital format (i.e. spreadsheet) and supply that along with the application and agreement to NEMVGen@pge.com The Benefitting Accounts must be associated with the same Generator Account and all must satisfy the applicable Service Delivery Point requirements in the NEMV Applicability Section to be Eligible for Schedule NEMV.

Please note for each row:

- **Account Type** – (required) – The Generator Account row should be completed for the pertinent information for each column indicated; the Benefitting Account rows should be complete for the pertinent information for each column indicated. If there are more Benefitting Accounts than will fit on one page please use additional sheets as required and number pages accordingly.
- **Account Address – (**required) -- Provide an address, including unit / apartment number, for all Accounts (for the Generator Account you may use the street address of the building upon which the generator will be installed).
- **Occupant's / Owner's Name** – (required) - For the Generator Account enter the Owner's name; for all Benefitting accounts enter the name of the occupant or PG&E customer name for that location.
- **PG&E Meter Number – (**required) **-** Enter the PG&E Meter Numbers for the all benefitting accounts.
- **Otherwise Applicable Rate Schedule** – required -- Enter the PG&E Otherwise Applicable Rate Schedule (OAS) for the Generator Account and all Benefitting Accounts.
- **Eligible Allocation Percentage – (**required) -- For each Benefitting Account listed, enter the Eligible Allocation Percentage to two decimal places. The Eligible Energy Allocation Percentage for each Benefitting Account should be established so that the annual kilowatt hours allocated offsets no more than part or all of the customer's own annual electrical requirements. The total of all Benefitting Account Eligible Allocation Percentages in Appendix A for this NEMV Arrangement must equal exactly 100%. If Owner is changing the Eligible Allocation Percentage on an existing NEMV Arrangement, please list all allocations to confirm they add up to 100% and **circle** the changed allocations.
- **Designated Unallocated Credit Account** "system operator/qualified customer" has the option to designate the disposition of unallocated credits to either: the Common Area Account, or one Benefiting Account. In the NEMV tariff this is referred to as the "Default Account."
- **Appendix A, Section 2 Page Numbers –** In the space provided on the bottom of each page, please mark the page number and total number of pages for your Appendix A, Section 2, Account List. (Start with Page 1 and do not count the page numbers for this instruction page. Also indicate on one of the pages if the allocation is for a new Arrangement or an existing Arrangement).

If Owner would like billing data from a Benefiting Account in order to verify the credit allocation they need the Benefitting Account customer's consent. To facilitate this process, here is a link to the *Authorization to Receive Customer Information or Act Upon a Customer's Behalf*: https://www.pge.com/tariffs/assets/pdf/tariffbook/ELEC_FORMS_79-1095.pdf - (Form 79-1095) that would need to be submitted to PG&E prior to release of the Benefitting Account customer's billing data to the Owner.

Section 2

Account Type	**Account Address** *(required field)* **(for Generator Account use street address for building with generator account)**	**Occupant's Name,** *(Required field)* **(Generator Accounts *should be under the Owner's Name* Please use name listed on PG&E Account bill)**	**PG&E Meter Number** *(Required field)*	**Otherwise Applicable Rate Schedule** *(Required field)*	**Eligible Allocation Percentage** (*required* – to 2 decimal places, the sum of all Benefitting Account Allocation must total 100%. For changes to Existing NEMV Arrangements, list all percentages but circle all changed percentages)	**Designated Unallocated Credit Account** (optional – check one Common Area or Benefiting Account to receive unallocated credits)
Generator Account						
Benefitting Accounts						
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						
16						
17						

Project Identification Number _____ (for PG&E's use only) Account List - Appendix A, Section 2 Page _____ of _____

Is this a reallocation of an existing NEMV Arrangement? __ Yes ___ N

Appendix B – Owner Affidavit Warranting That NEMV Arrangement Is Sized to Load

Project Identification Number _____
(for PG&E's use only)

Address of Generator _____

_____

In accordance with Schedule NEMV, I, Owner warrant that:

1) the Generator Account associated with this NEMV agreement is sized to offset no more than part or all of the annual usage (kWh) requirements of all the Benefitting Accounts in this NEMV Arrangement, and

2) the Eligible Allocation Percentage established for <u>each</u> Benefitting Account in Appendix A is sized to offset no more than part or all or the annual usage (kWh) requirement for that specific Benefitting Account.

Signed, _____, Owner, on date: _____

Owner's Name (printed) _____

Appendix C – Generator Interconnection Point Documentation

[PG&E to attach current copy or web link providing PG&E's standards and requirements for Virtual Net Metering and PG&E GIS contact information when sending this form to Applicant].

Applicant attaches the following Documentation:

- the single line diagram to illustrate connection with the selected option provided in the Metering Standard
- the switchgear, switchboard, or main panel cut-sheets/shop drawings detailing the bussing, any modifications, clearances, and proposed point of interconnection. The proposal must include a signed PE stamp and modifications must be certified by the manufacturer or a qualified third party
- pictures of the point of interconnection (see safety "Note" below).
- the meter socket cut-sheets of the net generation output meter socket
- additional material as specified by PG&E

Note: If after review of a customer's NEMV application PG&E determines a site assessment is needed, then PG&E may conduct a site assessment. Owners are reminded that entering PG&E sealed sections of their service panels is unsafe and not permitted without PG&E's supervision and express authorization.

Electric Sample Form No. 79-1131-02 Sheet 1

NEM2V Application and Interconnection Agreement for a Solar (PV) or Wind Generating Facility of 1 MW or Less

Please Refer to Attached Sample Form

Pacific Gas and Electric Company®

NEM2V

Application and Interconnection Agreement for a Solar (PV) or Wind Generating Facility of 1 MW or Less

Please note: This agreement does not constitute an application for rebate and/or incentive programs. For more information on these programs, please visit the program website at the links provided below.

- California Solar Initiative (CSI): www.pge.com/csi
- Self-Generation Incentive Program (SGIP): www.pge.com/sgip

Project Identification Number _____ (for PG&E's use only)

Part I – Identifying the Generating Facility's Location and Responsible Parties

A. Applicability and Purpose:

This *Application and Interconnection Agreement for a Solar (PV) or Wind Generating Facility* (Agreement) applies to electric Rate Schedule *NEM2V—Virtual Net Energy Metering Service* for a multi-tenant or multi-meter Eligible NEM2V installation on a single Premises, as defined in Electric Rule 1 for the Owner or designated agent of the Owner (Owner) who interconnects a single solar photovoltaic and/or wind generating facility sized no larger than for the energy requirements of all eligible Benefitting Accounts (as defined in Schedule NEM2V) of the past year (Renewable Electric Generation Facility) that is on a single Premises, as defined in Electric Rule 1 [1] with other individually metered PG&E Benefitting Accounts the will be allocated the benefits of the Renewable Electric Generation Facility as described in NEM2V, that meets all the applicability requirements in Schedule NEM2V, and that operates in parallel with Pacific Gas and Electric Company's (PG&E) Electric System.

The purpose of this Agreement is to allow the Owner to interconnect the Renewable Electric Generation Facility with PG&E's Electric System, subject to the provisions of this Agreement and PG&E's Rate Schedule NEM2V. Owner has elected to interconnect and operate its Renewable Electric Generation Facility in parallel with PG&E's Electric System, primarily to offset part or all of the NEM2V Arrangement's own electrical requirements of the Benefitting Accounts at the affiliated service on a as listed in Appendix A. Owner shall comply at all times with this Agreement as well as with all applicable laws, tariffs and applicable requirements of the Public Utilities Commission of the State of California.

Note: If this application is for a Renewable Electric Generation Facility with a generator type that is other than solar (PV) and wind covered in Schedule NEM2V, please use Application *"Rule 21 Generator Interconnection Application" (Form 79-1174-02*).

B. Guidelines and Steps for Interconnection

This Application and Agreement must be completed and sent to PG&E to initiate PG&E's interconnection review of the proposed Generating Facility.

[1] From Electric Rule2, a PREMISES is defined as all of the real property and apparatus employed in a single enterprise on an integral parcel of land undivided, excepting in the case of industrial, agricultural, oil field, resort enterprises, and public or quasi-public institutions, by a dedicated street, highwayor public thoroughfare or railway. Automobile parking lots constituting a part of and adjacent to a single enterprise may be separated by an alley from the remainder of the Premises served..

C. Description of Service (This Agreement is being filed for, check all that apply):

- ☐ A New NEM2V Renewable Electric Generation Facility interconnection (at an existing service).
- ☐ For Physical/Electrical Changes to an interconnected NEM2V Renewable Electric Generation Facility with previous approval by PG&E (adding PV panels, changing inverters, or changing load and/or operations).
- ☐ A New NEM2V interconnection in conjunction with a new service. An **Application for Service** must be completed. Additional fees may be required if a service or line extension is required (in accordance with PG&E Electric Rules 15 and 16). Please contact PG&E at 1-800-PGE-5000 (or 1-800-743-5000).
- ☐ A Reallocation of Eligible Energy Generation Credits under NEM2V for an Existing Renewable Electric Generation Facility (see Appendix A). For a reallocation, Owner only needs to fill out Part I, sign Part IV, and complete Appendix A with the reallocation for the NEM2V accounts.

  Special Condition 6 of Schedule NEM2V requires that any Customer with an existing generating facility and meter who enters into a new NEM2V agreement shall complete and submit a copy of Form 79-1125 *NEM / NEMV / NEMVMASH Inspection Report* to PG&E, unless the electrical generating facility and meter have been installed and/or inspected within the previous three years.

D. Owner's Renewable Electric Generation Facility Information - Where will the Generating Facility be installed?

Name shown on Owner's PG&E service account (Must Match Owner's Name on PG&E Energy Bill)			
Street Address			
City		State	Zip
Mailing Address			
City		State	Zip
Business Phone	Home Phone	Fax	Email

E. Contractor Information (Must be completed even if Contractor will not serve as a PG&E contact).

Contractor		Company Name	
Mailing Address			
City		State	Zip
Business Phone	Fax	Email	

☐ This contractor is to be used as PG&E contact and is authorized by Owner to receive confidential Owner information and act on behalf of Owner with respect to this agreement.

F. Other Contact Information (This information is optional).

Contact Person	Company Name	
Mailing Address		
City	State	Zip
Business Phone	Fax	Email

❑ This contact person is to be used as PG&E contact and is authorized by Owner to receive confidential Owner information and act on behalf of Owner with respect to this agreement.

By checking the boxes above and signing this agreement, Owner authorizes PG&E to release information to the contact(s) named above regarding Owner's usage and billing information, Renewable Electric Generation Facility location, size and operational characteristics as requested in the course of this interconnection process. PG&E is granted permission to share information with authorized recipients for a period of **two years** from the date this agreement is received by PG&E. Contact(s) are also authorized to make changes to rates and metering arrangements that may result in charges to Owner. Should Owner wish to select a different authoriziaton period, Owner may utilize the *Authorization to Received Customer Information or Act on a Customr's Behalf (Form 79-1095)*, which may be found at:

https://www.pge.com/tariffs/assets/pdf/tariffbook/ELEC_FORMS_79-1095.pdf.

In addition, Owner authorizes PG&E to release to the California Energy Commission (CEC) information regarding Owner's facility, including Owner's name and Renewable Electric Generation Facility location, size, and operational characteristics, as requested from time to time pursuant to the CEC's rules and regulations.

Part II – Selecting the Study Process

Please check one:

❑ Fast Track Process

❑ Detailed Study (not typical)

- Will be either an Independent Study Process, Distribution Group Study Process or Transmission Cluster Study Process, dependent upon the Electrical Independence Tests.

Part III – Requirements for Interconnection

In submitting this document, I the Owner, understand and agree to the following terms and conditions:

Permission to Interconnect

Owner must not operate their Renewable Electric Generation Facility in parallel with PG&E's Electric System until they receive written authorization for Parallel Operation from PG&E. Unauthorized Parallel Operation could result in injury to persons and/or damage to equipment and/or property for which the Owner may be liable.

Safe Operation of the Renewable Electric Generation Facility

Notwithstanding any other provision of this Agreement, if at any time PG&E determines that either (a) the Owner's Facility, or its operation, may endanger PG&E personnel, or (b) the continued operation of the Owner's Facility may endanger the safe and reliable operation of PG&E's electrical system, PG&E shall have the right to disconnect the Facility from PG&E's system. Owner's Facility shall remain disconnected until such time as PG&E is satisfied that the unsafe condition(s) have been corrected.

Interconnections on PG&E's Secondary Network

Applications to interconnect systems located in San Francisco or Oakland may require additional analysis to determine whether or not their proposed installation is on PG&E's networked secondary system. Networked secondary systems are in place to provide heightened levels of reliability in densely populated areas and may affect the ability of PG&E to interconnect NEM2V Owner's Renewable Electric Generation Facility. **Please contact Electric Generation Interconnection by email nemvgen@pge.com if your proposed installation is in San Francisco where the zip code is 94102, 94103, 94104, 94105, 94107, 94108, 94109, 94111 or 94133 or in Oakland and where the zip code is 94607 or 94612.**

Meter Access

Owner's generator output meter and the AC disconnect switch must be installed in a safe, PG&E-accessible location and remain unobstructed by locked gates or pets. Additionally, meter and AC disconnect switch access must be maintained at all times for meter reading and system maintenance. Any animals owned by the Owner or Multifamily residents, including pet dogs, should not have access to these areas to avoid hindering PG&E service personnel, preventing them from completing their work. Customers who currently have generator meters inaccessible from the outside of the building and who choose to place their generator AC disconnect switch near their meter, must place the required generator AC disconnect switch in a location readily accessible to PG&E in order to participate in this program. Should future access problems arise, PG&E reserves the right to terminate service, in accordance with its filed tariffs.

Smart Inverters

For Owner applications received on or after September 9, 2017, the Owner certifies that their inverter-based Generating Facilities fully comply with Section Hh of Rule 21, including configuration of protective settings and default settings, in accordance with the specifications therein.

Distribution Provider may require a field verification of the Owner's inverter. Owner further agrees to cooperate fully with any such request and make their inverter available to the Distribution Provider for such verification. Owner understands that in the event the inverter is not set in accordance with Section Hh of Rule 21, Owner will need to cease operation of generating facility until verification is confirmed by Distribution Provider.

(Solar inverter models and firmware versions that comply with Rule 21 Section Hh can be found athttps://www.energy.ca.gov/programs-and-topics/topics/renewable-energy/solar-equipment-lists.)

Verification of compliance with such requirements shall be provided by the Owner upon request by PG&E in accordance with PG&E's Electric Rule 21.

An "existing inverter" is defined as an inverter that is a component of an existing Generating Facility that meets one or more of the following conditions::

(a) it is already approved by PG&E for interconnection prior to September 9, 2017

(b) the Owner has submitted the interconnection application prior to September 9, 2017,

(c) the Owner provides evidence of having applied for an electrical permit for the Generating Facility installation that is dated prior to September 9, 2017 and submitted a complete interconnection application[2] no later than March 31, 2018, or

(d) the Owner provides evidence of a final inspection clearance from the governmental authority having jurisdiction over the Generating Facility prior to September 9, 2017.

All "existing inverters" are not required to be Smart Inverters and are only subject to Section H of Rule 21. Owner replacing an "existing inverter" certifies it is being replaced with either:

[2] A complete application consists all of the following without deficiencies:
1. A completed Interconnection Application including all supporting documents and required payments,
2. A completed signed Interconnection Agreement,
3. Evidence of the Owner final inspection clearance from the governmental authority having jurisdiction over the generating system.

(i) inverter equipment that complies with Section Hh of Rule 21, (encouraged); or

(ii) a conventional inverter that is of the same size and equivalent ability to that of the inverter being replaced, as allowed in Rule 21 Section H.3.d.ii.

Document and Fee Requirements

Other Documents and/or Fees *may* be required and there may be requirements for interconnection in addition to the above list**,** depending on the specifics of the planned Renewable Electric Generation Facility. Other approvals and/or other agreements may be needed for special PG&E programs or regulatory agency requirements.

Stale Agreements

If this agreement is still pending two years from its date of submittal and Owner has not met all of the requirements, PG&E will close this application and Owner will be required to submit a new application should Owner wish to take service on Schedule NEM2V.

CEC Listed

In order to promote the safety and reliability of the customer's Generating Facility, the applicant certifies that as a part its request for NEM2, that all major solar system components are on the verified equipment list maintained by the California Energy Commission and certifies that other equipment, as determined by PG&E, has safety certification from a nationally recognized testing laboratory.

Interconnection Fees

Customers on this tariff must pay for the interconnection of their Generation Facilities as provided in Electric Rule 21, pursuant to Decision 16-01-044.

A. Agreement Package:

These documents are needed to ensure safe and reliable operation of PG&E's Electric System and to confirm that Owner's interconnection has been performed in accordance with PG&E's tariffs. (Additional forms are available upon request emailing nemvgen@pge.com, or visiting PG&E's website at www.pge.com/gen. **Owners should not delay sending any part of the agreement package to PG&E.** As PG&E receives the documentation described in Sections (1) through (7) below, PG&E will begin to process the application.

Required Documents for New Applicants:

1. A completed copy of this **Agreement, including completed Appendices A, B and C**. ***Please note***: the Owner's name (as identified in Part I, Section D) must be the same name as on the PG&E bill. In this Agreement, Owner will confirm their otherwise-applicable rate schedule (OAS) for all Benefitting accounts in Owner's name as listed in Appendix A – Owners who don't specify an OAS for their Benefitting accounts will be defaulted to Rate Schedule E-1, for residential accounts, A-1 or B-1 for general service accounts (unless required to be on a mandatory rate schedule such a E-19, B-19, E-20 or B-20), and AG-1 or AG-A1 for agricultural rates when establishing how Owner's Benefitting Account's monthly usage or net generation will be charged/credited. Owner's-initiated rate changes are governed in accordance with PG&E's Electric Rule 12.

2. A **single-line diagram** showing Owner's actual installation of his/her Renewable Electric Generation Facility. The diagram must include the electrical rating and operating voltages of the significant electrical components such as the service panel, the disconnect switch (if required), inverters, all generators, circuit breakers and other protective devices of the Renewable Electric Generation Facility, the general location of the Owner's loads relative to the Renewable Electric Generation Facility, and the interconnection with PG&E's Electric System. The diagram must include the following information:

   a. A description and location of the visible, lockable **AC disconnect switch**.

      PG&E requires an Owner to install an AC disconnect switch to facilitate maintenance of the Owner's equipment (i.e. inverter, PV arrays, etc). The AC disconnect switch provides PG&E the ability to isolate the Owner's generator from the NEM2V Eligible Renewable Electric Generation Facility and utility's Electric System.

b. A description of the specific **inverter**(s) used to control the interconnection between PG&E and the Renewable Electric Generation Facility, including rating, brand name, and model number. Only CEC-certified inverters[3] will pass the requirements for Simplified Interconnection per PG&E's Electric Rule 21. Non-certified units will require further study and may involve additional costs.

c. A complete description of the **generating equipment Owner plans to install**. The description must include the photovoltaic panel or wind turbine manufacturer name, model number, number of panels, and the nameplate rating. As with the inverters, only CEC-certified will pass the requirements for Simplified Interconnection. (See the PG&E website www.pge.com/gen or the CEC website in footnote 1 below).

d. A description of how the power output from the inverter is connected to the **main service panel via a branch breaker.** The ampere rating of this branch breaker and the main service panel breaker must be compatible with the output rating of the Generating Facility. The output rating is computed based on the total nameplate rating of the inverter.

e. PG&E requires **a generation output meter.** The description must include the meter manufacturer, model number and type (socket or panel), as well as any other relevant information (e.g., socket, panels, breakers, etc.). If instrument transformers are required, the description should include this information. NEM2V customers may be able to combine the generator output meter with an incentive meter. See Schedule NEM2V for details and the cost.

3. **Site Diagram** – The site diagram must show the building or buildings on a single Premises that will be included as part of the NEM2V Arrangement that is located on a single Premises and satisfies the requirements in the Applicability Section of NEM2V, the meter locations, and denote where the Renewable Electric Generation Facility will be located and interconnected.

4. Information regarding any existing **insurance coverage** (liability and/or property) for the Schedule NEM2V Generating Facility location:

   Owner shall meet all applicable safety and performance standards established by the National Electrical Code, the Institute of Electrical and Electronics Engineers, accredited testing laboratories such as Underwriters Laboratories and, where applicable, rules of the California Public Utilities Commission regarding safety and reliability. An Owner with a Renewable Electric Generation Facility that meets those standards and rules shall not be required to install additional controls, perform or pay for additional tests, or purchase additional liability insurance.

   ❑ To the extent that Owner has currently in force property insurance and commercial general liability or personal liability insurance, Owner agrees that it will maintain such insurance in force for the duration of this Agreement in no less amounts than those currently in effect. Pacific Gas and Electric Company shall have the right to inspect or obtain a copy of the original policy or policies of insurance prior to commencing operation. As long as Owner meets the requirements of this section, Owner shall not be required to purchase any additional liability insurance.

   ❑ I **have** insurance. I hereby certify that there is presently insurance coverage in the amount of $_____ for the Schedule NEM2V Generating Facility location.

   Insuring Company's Name: _____

   Insurance Policy # _____

   ❑ I **do not** have insurance. I hereby certify that there is presently $0 (zero) dollars of insurance for the Schedule NEM2V Generating Facility location.

5. A copy of the **final, signed, jurisdictional approval (building permit) for Owner's Generating Facility** from the local government entity with jurisdiction over the Owner's project. **Owner's agreement package will not be complete until PG&E receives this document.**

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[3] The CEC's eligible equipment list can be found under the CSI heading at: https://www.energy.ca.gov/programs-and-topics/topics/renewable-energy/solar-equipment-lists

6. Schedule NEM2V may include charges where applicable, including but not limited to that in Special Conditions: 1 (metering), 2 (one-time set-up or modification charges) and/or 3 (demand credit set-up charges).
7. **Appendix C Site Assessment Documentation** as described in the cover sheet for Appendix C.

Internet Agreement Forms

If this Agreement has been completed electronically, it may be submitted to PG&E via e-mail or through PG&E's online portal when it becomes available. Copies or forms requiring a signature, attachments or any applicable fees described in Part II must be emailed (with all aforementioned documents scanned and included as attachments) to PG&E at the address noted in Part V Section G, "Notices".

Part IV – General Facility

A. Expected **date** of Project Completion and PG&E Receipt of Final, Signed-Off Building Permit for Generating Facility?

Date: _____

B. Are there any other generators interconnected on this account?

❑ Yes
If yes, specify what kind of generator _____
❑ No

C. Are there any possible generator meter access issues?

❑ Yes If yes, check all that apply:

❑ Locked Room/Gate	❑ Meter located inside of facility/residence
❑ Unrestrained animal at meter or AC disconnect switch location	❑ Other (Please explain) _____ _____

❑ No

D. Are any of your accounts on a Demand Response program?

Qualified Customers are eligible for the same demand response programs and solar tariffs as NEM customers. Demand response payments to Qualified Customers will be based on the Qualified Customer's metered usage disregarding any contributions from virtually net-metered generation. Similarly, any other demand response programmatic elements that are affected by a customer's load (e.g., program eligibility) should also exclude from consideration any impacts of NEM2V generation.

❑ Yes **If yes,** what program are you on? _____
❑ No.

E. Generator Interconnection Tie-in Point – Does your interconnection satisfy PG&E's Meter Standards (Appendix C of this Agreement)?

❑ Yes
❑ No. Reason: _____

If after review of a customer's NEM2V application PG&E determines a site assessment is essential, then PG&E may conduct a site assessment. Please note that entering PG&E sealed sections of their service panels is unsafe and not permitted without PG&E's supervision and express authorization.

F. Are you planning to meet the requirements specified in the PG&E Greenbook (current reference is "VNEM Installation Requirements", Utility Bulletin TD6999B-005, 02/06/2012)?

❑ Yes
❑ No. Reason: _____

G. Where are you planning to tie in? Can you provide Switchgear cutsheets, detailing the proposed point of connection and bussing modification / clearances, cutsheets of the NGOM socket, to clearly identify proposed tie-in point?

Location: _____

H. Is the currently proposed tie-in point a result of restrictions placed on altering the existing panel or equipment within, as imposed by the local authority having jurisdiction?

- ❑ Yes - What restriction? _____
- ❑ No.

I. Have you confirmed the Ampere Interrupting capacity (AIC) rating of the existing panel?

- ❑ Yes
- ❑ No. Reason: _____

J. Is the account located within a PG&E secondary "network" system?
(Note: PG&E does not allow exporting generators to connect to secondary network systems. Portions of San Francisco and Oakland, where PG&E has a network grid. Customers seeking generator interconnections in San Francisco and Oakland must contact PG&E before beginning any work. See Section II above for more details.)

- ❑ Yes.
- ❑ No.

K. Are there existing PG&E gas or other utility's facilities in the vicinity of the proposed point of interconnection?
(Note: Minimum clearances must be maintained from PG&E facilities, as specified in PG&E's Greenbook)

- ❑ Yes - Describe:_____ _____
- ❑ No.

L. Are you going to require PG&E to arrange to de-energize the service panel for you to safely connect the generator to the service panel?

(Note: that the de-energizing process may be as simple as a PG&E Troubleman opening a switch, or as involved as a PG&E crew performing switching, and rearrangement of service wires, and coordinating with neighboring customers that might be impacted by this de-energizing project. **PG&E requires ten (10) business days advance notice prior to performing such a request.)**

- ❑ Yes - Describe:_____ _____
- ❑ No.

M. Can this de-energizing of the service panel be done during normal business hours?

- ❑ Yes
- ❑ No. If not, what time of the week and time of the day do you request this service disconnection to occur?

Mon Tues Wed Thu Fri Sat Sun
(circle day of week)

____:_____AM / PM___
(enter time & circle AM or PM)

Note- the time of de-energizing the service panel will also depend on whether other customers are impacted and their input to the process.

N. What is the duration of the service disconnection requested?

Duration _____

O. Do you need PG&E personnel to stand by while you perform your work?

- ❑ Yes
- ❑ No

P. Will you need to obtain clearance from the local authority having jurisdiction prior to PG&E re-energizing the service panel?

(Note: Some cities/counties require that they have inspected the panel prior to reenergizing. You will need to provide proof of the local authority that your work will not require such approval, or be prepared to provide that to PG&E prior to PG&E re-energizing the panel).

- ❑ Yes
- ❑ No

Part V – Description of the Generating Facilities *Use additional sheets, if necessary.*

A. AC Disconnect Switch (see Part II, Section A.2.a above for policy on disconnect switches).

List the AC disconnect switch that will be used at this Generating Facility.

Disconnect Switch Manufacturer	Disconnect Switch Model Number	Disconnect Switch Rating (amps)

B. Inverters interconnected with PG&E

List all the inverters that will be interconnected to PG&E.

Owners with non-standard inverters which do not meet the UL and IEEE requirements specified in Electric Rule 21, or Owners whose aggregate Generating Facility capacity exceeds 15% of the peak load on the distribution line section as described in Electric Rule 21 (Section G.1.m) require a **Supplemental Review** which may entail a study, additional equipment, and/or other requirements.

No.	Inverter Manufacturer	Inverter Model Number	Inverter Nameplate Rating[4] kW (per unit)	Quantity of Inverters	Inverter Output Voltage	Single or Three phase?
1						
2						

C. Photovoltaic Generator Equipment

List the photovoltaic (PV) panel information requested below. If the panels are not all identical modules, list the total capacity connected to each inverter you listed above. (Please attach additional sheets if more space is needed).

No.	PV Panel Manufacturer	PV Panel Model	PV Panel CEC Rating kW (per unit)	Quantity of PV Panels	Total Capacity[5] (kW)	Inverter number from (B.) above (1 or 2)
1						

[4] The inverter rating equals the nameplate rating, in kW. If there is more than one inverter of one type being installed, the inverter rating equals the nameplate rating of one unit of the model being installed.

[5] The total capacity is the PV panel rating times the quantity.

2						

D. Wind Turbine Equipment (if applicable)

List the wind turbine information requested below. If there is more than one wind turbine of the same type, list the total capacity connected to each inverter you listed in B) above. Write NONE if the inverter is incorporated in the wind turbine and no inverter is required.

No.	Wind Turbine Manufacturer	Wind Turbine Model	Wind Turbine Nameplate Rating kW (per unit)[6]	Wind Turbine CEC Rating (kW) per unit	Quantity of Wind Turbines	Total Capacity (kW)[7]	Turbine Output Voltage	Single or Three Phase	Inverter number from (B) above (1 or 2)
1									

E. Service Panel Short Circuit Interrupting Rating

For systems larger than 10 kW, what is the short circuit interrupting rating (SCIR) rating of the service panel connected to this generating facility? _____

F. Maximum 3-Phase Fault Current Contribution

What is the maximum 3-phase fault current that will be contributed by the Generating Facility to a 3-phase fault at the Point of Common Coupling (PCC)? (If the Generating Facility is single phase in design, please provide the contribution for a line-to-line fault). _____ Amps

G. Notices - Mailing Instructions and Assistance:

When this agreement has been completed it should be e-mailed, along with the required attachments, to the email address below. Any applicable fee payments shall be mailed to:

Payment USPS Mail	Payment Overnight Mail
USPS Mail: PG&E CFM/PPC Department P.O. Box 997340 Sacramento, CA 95899-7340	Overnight Mail: PG&E/Customer Fund Management Payment Processing Center 885 Embarcadero Drive West Sacramento, CA 95605

Phone calls and questions may be directed to the Generation Interconnection Services' hotline at: 415-972-5676 or an electronic application may be submitted to NEMVGen@pge.com

H . Governing Law

This Agreement shall be interpreted, governed, and construed under the laws of the State of California as if executed and to be performed wholly within the State of California.

I . Term of Agreement

After receipt of all applicable fees, required documents, and this completed Agreement, this Agreement shall become effective on the date of PG&E issues the permission to operate letter. This Agreement shall continue in full force and effect until terminated by either Party providing 30-days prior written notice to the other Party, or when a new Owner takes service with PG&E operating this approved generating facility. This new Owner will be interconnected subject to the terms and conditions as set forth in Schedule NEM2V.

[6] For all generation equipment ratings, please use the nameplate rating found on the equipment or in the equipment specifications.

[7] The total capacity is the PV panel (or wind turbine) rating times the quantity.

J . Governing Authority

This contract shall at all times be subject to such changes or modification by the Public Utilities Commission of the State of California as said Commission may, from time to time, direct in the exercise of its jurisdiction.

K . Warranties or Service Agreements

Customer-Generator certifies as a part of this interconnection request for NEM2 that (i) a warranty of at least 10 years has been provided on all equipment and on its installation, or (ii) a 10-year service warranty or executed “agreement” has been provided ensuring proper maintenance and continued system performance.

L. Appendix A, Appendix B and Appendix C

Attached to this agreement are:

- *Appendix A - Designation of NEM2V Generating Account and Benefitting Accounts and their respective Eligible Energy Credit Allocation*
- *Appendix B – Owner Affidavit Warranting That NEM2V Arrangement Is Sized to Load;* and
- *Appendix C – Generator Interconnection Tie-in Point Documentation*

Owner Name (Please Print): _____

(Signature): _____ Date:_____

Title: _____

A copy of this signed agreement should be retained with the "Permission to Operate" letter to confirm project approval.

Pacific Gas and Electric Company

NEM2V

Application and Interconnection Agreement for a Solar (PV) or Wind Generating Facility of 1 MW or Less

Appendix A – Designation of NEM2V Generating Account and Benefitting Accounts and Their Respective Eligible Energy Credit Allocation

Project Identification Number _____ (for PG&E's use only)

Section 1 Instructions

a. Complete the section below (this information must match the Owner information on the associated *Application and Interconnection Agreement for a Solar (PV) or Wind Generating Facility of 1 MW or Less Serving Multi-Tenant And Multi-Meter Property* for the same NEM2V Renewable Electric Generation Facility.

Owner Name	Address	Date

b. Is this an application to establishing the Annual Eligible Energy Credit Allocation for a new NEM2V Arrangement or for a change to the Allocation for an existing NEM2V facility, as described in either NEM2V Special Condition 2 or 3(g)?

- ❑ This application is for an allocation for the initial, new NEM2V Arrangement:
- ❑ This application is for a reallocation for an existing NEM2V Arrangement:

c. Please use the attached Appendix A, Section 2 page to list all Benefitting Accounts in the Arrangement that will be taking service on NEM2V. Alternatively, an Applicant may fill out the table below in a digital format (i.e. spreadsheet) and supply that along with the application and agreement to NEMVGen@pge.com The Benefitting Accounts must be associated with the same Generator Account and all must satisfy the applicable single Premises requirements in the NEM2V Applicability Section to be Eligible for Schedule NEM2V.

Please note for each row:

- **Account Type** – (required) – The Generator Account row should be completed for the pertinent information for each column indicated; the Benefitting Account rows should be complete for the pertinent information for each column indicated. If there are more Benefitting Accounts than will fit on one page please use additional sheets as required and number pages accordingly.
- **Account Address –** (required) -- Provide an address, including unit / apartment number, for all Accounts (for the Generator Account you may use the street address of the building upon which the generator will be installed).
- **Occupant's / Owner's Name** – (required) - For the Generator Account enter the Owner's name; for all Benefitting accounts enter the name of the occupant or PG&E customer name for that location.
- **PG&E Meter Number –** (required) **-** Enter the PG&E Meter Numbers for the all benefitting accounts.
- **Otherwise Applicable Rate Schedule** – required -- Enter the PG&E Otherwise Applicable Rate Schedule (OAS) for the Generator Account and all Benefitting Accounts.
- **Eligible Allocation Percentage –** (required) -- For each Benefitting Account listed, enter the Eligible Allocation Percentage to two decimal places. The Eligible Energy Allocation Percentage for each Benefitting Account should be established so that the annual kilowatt hours allocated offsets no more than part or all of the customer's own annual electrical requirements. The total of all Benefitting Account Eligible Allocation Percentages in Appendix A for this NEM2V Arrangement must equal exactly 100%. If Owner is changing the Eligible Allocation Percentage on an existing NEM2V Arrangement, please list all allocations to confirm they add up to 100% and **circle** the changed allocations.
- **Designated Unallocated Credit Account** "system operator/qualified customer" has the option to designate the disposition of unallocated credits to either: the Common Area Account, or one Benefiting Account. In the NEM2V tariff this is referred to as the "Default Account."
- **Appendix A, Section 2 Page Numbers –** In the space provided on the bottom of each page, please mark the page number and total number of pages for your Appendix A, Section 2, Account List. (Start with Page 1 and do not count the page numbers for this instruction page. Also indicate on one of the pages if the allocation is for a new Arrangement or an existing Arrangement).

If Owner would like billing data from a Benefiting Account in order to verify the credit allocation they need the Benefitting Account customer's consent. To facilitate this process, here is a link to the *Authorization to Receive Customer Information or Act Upon a Customer's Behalf*: https://www.pge.com/tariffs/assets/pdf/tariffbook/ELEC_FORMS_79-1095.pdf - (Form 79-1095) that would need to be submitted to PG&E prior to release of the Benefitting Account customer's billing data to the Owner.

Pacific Gas and Electric Company

NEM2V

Application and Interconnection Agreement for a Solar (PV) or Wind Generating Facility of 1 MW or Less

Section 2

Account Type	**Account Address** *(required field)* **(for Generator Account use street address for building with generator account)**	**Occupant's Name,** *(Required field)* **(Generator Accounts *should be under the Owner's Name* Please use name listed on PG&E Account bill)**	**PG&E Meter Number** *(Required field)*	**Otherwise Applicable Rate Schedule** *(Required field)*	**Eligible Allocation Percentage** (*required* – to 2 decimal places, the sum of all Benefitting Account Allocation must total 100%. For changes to Existing NEM2V Arrangements, list all percentages but circle all changed percentages)	**Designated Unallocated Credit Account** (optional – check one Common Area or Benefiting Account to receive unallocated credits)
Generator Account						
Benefitting Accounts						
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						
16						
17						

Project Identification Number _____ (for PG&E's use only) Account List - Appendix A, Section 2 Page _____ of _____

Is this a reallocation of an existing NEM2V Arrangement? __ Yes ___ N

Appendix B – Owner Affidavit Warranting That NEM2V Arrangement Is Sized to Load

Project Identification Number _____
(for PG&E's use only)

Address of Generator _____

_____

In accordance with Schedule NEM2V, I, Owner warrant that:

1) the Generator Account associated with this NEM2V agreement is sized to offset no more than part or all of the annual usage (kWh) requirements of all the Benefitting Accounts in this NEM2V Arrangement, and

2) the Eligible Allocation Percentage established for <u>each</u> Benefitting Account in Appendix A is sized to offset no more than part or all or the annual usage (kWh) requirement for that specific Benefitting Account.

Signed, _____, Owner, on date: _____

Owner's Name (printed) _____

Appendix C – Generator Interconnection Point Documentation

[PG&E to attach current copy or web link providing PG&E's standards and requirements for Virtual Net Metering and PG&E EGI contact information when sending this form to Applicant].

Applicant attaches the following Documentation:

- the single line diagram to illustrate connection with the selected option provided in the Metering Standard
- the switchgear, switchboard, or main panel cut-sheets/shop drawings detailing the bussing, any modifications, clearances, and proposed point of interconnection. The proposal must include a signed PE stamp and modifications must be certified by the manufacturer or a qualified third party
- pictures of the point of interconnection (see safety "Note" below).
- the meter socket cut-sheets of the net generation output meter socket
- additional material as specified by PG&E

Note: If after review of a customer's NEM2V application PG&E determines a site assessment is needed, then PG&E may conduct a site assessment. Owners are reminded that entering PG&E sealed sections of their service panels is unsafe and not permitted without PG&E's supervision and express authorization.

Electric Sample Form 79-1137 Sheet 1

Interconnection Agreement for Net Metering for a Renewable Electrical Generation Facility of 1,000 kW or Less, Except Solar Or Wind

Please Refer to Attached Sample Form

INTERCONNECTION AGREEMENT FOR NET ENERGY METERING FOR A RENEWABLE ELECTRICAL GENERATION FACILITY OF 1,000 KW OR LESS, EXCEPT SOLAR OR WIND

This *Interconnection Agreement for Net Energy Metering for a Renewable Electrical Generation Facility of 1,000 kW or Less, Except Solar Or Wind* (Agreement)[1] is entered into by and between _____ (Customer-Generator), and Pacific Gas and Electric Company (PG&E), a California Corporation. Customer-Generator and PG&E are sometimes also referred to in this Agreement jointly as "Parties" or individually as "Party." In consideration of the mutual promises and obligations stated in this Agreement and its attachments, the Parties agree as follows:

1. SCOPE AND PURPOSE

1.1 This Agreement provides for Customer-Generator to interconnect and operate a Renewable Electrical Generation Facility as defined in Schedule NEM (if this is a NEM Solar or Wind Generating Facility, please use form 79-978) (Generating Facility) in parallel with PG&E's Distribution System to serve the electrical loads connected to the electric service account that PG&E uses to interconnect Customer-Generator's Generating Facility. Customer-Generator's Generating Facility is intended primarily to offset part or all of the Customer-Generator's own electrical requirements. Consistent with, and in order to effectuate, the provisions of Sections 2827 of the California Public Utilities Code and PG&E's electric rate Schedule NEM (NEM), Parties enter into this Agreement. This Agreement applies to the Customer-Generator's Generating Facilities identified below with the specified characteristics and generating capacity, and does not allow interconnection or operation of facilities different than those described.

2. SUMMARY AND DESCRIPTION OF CUSTOMER-GENERATOR'S GENERATING FACILITY AND DESIGNATION OF OTHERWISE-APPLICABLE RATE SCHEDULE

2.1 A description of the Generating Facility, including a summary of its significant components, and a single-line diagram showing the general arrangement of how Customer-Generator's Generating Facility and loads are interconnected with PG&E's Distribution System, is attached to and made a part of this Agreement. (This description is supplied by Customer-Generator as Appendix A).

2.2 Generating Facility identification number: _____ (Assigned by PG&E).

2.3 Customer-Generator's electric service agreement ID number: _____ (Assigned by PG&E).

2.4 Name and address used by PG&E to locate the electric service account used to interconnect the Generating Facility with PG&E's Distribution System:

Name: _____

Address: _____

City/Zip Code: _____

[1] Additional forms are available on PG&E's website at http://www.pge.com/gen).

2.5 Customer-Generator's otherwise-applicable rate schedule as of the execution of this Agreement is _____.

2.6 The Generating Facility's expected date of Initial Operation is _____. The expected date of Initial Operation shall be within two years of the date of this Agreement.

2.7 The Gross Nameplate Rating of the Generating Facility: _____ kW.

2.8 The Net Nameplate Rating of the Generating Facility: _____ kW.

2.9 The expected annual energy production of the Generating Facility is _____ kWh.

2.10 Smart Inverters - For Customer-Generator applications received on or after September 9, 2017, the Customer-Generator certifies that their inverter-based Generating Facilities fully comply with Section Hh of Rule 21, including configuration of protective settings and default settings, in accordance with the specifications therein.

Distribution Provider may require a field verification of the Customer-Generator's inverter. Customer-Generator further agrees to cooperate fully with any such request and make their inverter available to the Distribution Provider for such verification. Customer-Generator understands that in the event the inverter is not set in accordance with Section Hh of Rule 21, Customer-Generator will need to cease operation of generating facility until verification is confirmed by Distribution Provider.

Solar Inverter models and firmware versions that comply with Rule 21 Section Hh can be found at https://www.energy.ca.gov/programs-and-topics/topics/renewable-energy/solar-equipment-lists.

Verification of compliance with such requirements shall be provided by the Customer-Generator upon request by PG&E in accordance with PG&E's Electric Rule 21.

An "existing inverter" is defined as an inverter that is a component of an existing Generating Facility that. meets one or more of the following conditions:

(a) it is already approved by PG&E for interconnection prior to September 9, 2017

(b) the Customer-Generator has submitted the interconnection application prior to September 9, 2017,

(c) the Customer-Generator provides evidence of having applied for an electrical permit for the Generating Facility installation that is dated prior to September 9, 2017 and submitted a complete interconnection application[2] no later than March 31, 2018, or

(d) the Customer-Generator provides evidence of a final inspection clearance from the governmental authority having jurisdiction over the Generating Facility prior to September 9, 2017.

[2] A complete application consists all of the following without deficiencies:
1. A completed Interconnection Application including all supporting documents and required payments, (continued next page)
2. A completed signed Interconnection Agreement,
3. Evidence of the Customer Generator final inspection clearance from the governmental authority having jurisdiction over the generating system.

All "existing inverters" are not required to be Smart Inverters and are only subject to Section H of Rule 21. Customer-Generator replacing an "existing inverter" certifies it is being replaced with either:

(i) inverter equipment that complies with Section Hh of Rule 21, (encouraged); or

(ii) a conventional inverter that is of the same size and equivalent ability to that of the inverter being replaced, as allowed in Rule 21 Section H.3.d.ii.

3. DOCUMENTS INCLUDED AND DEFINED TERMS

3.1 This Agreement includes the following exhibits that are specifically incorporated herein and made a part of this Agreement.

Appendix A Description of Generating Facility and Single-Line Diagram (Supplied by Customer-Generator).

Appendix B A Copy of *PG&E's Agreement for Installation or Allocation of Special Facilities* (Forms 79-255, 79-280, 79-702) or *Agreements to Perform Any Tariff Related Work* (62-4527), if applicable (Formed by the Parties).

Appendix C Schedule NEM / NEMV Customer-Generator Warranty That it Meets the Requirements for an Eligible Customer-Generator and Is an Eligible Renewable Electrical Generation Facility Pursuant to Section 2827 of the California Public Utilities Code.

Appendix D NEM Load Aggregation Customer-Generator Declaration Warranting NEM Aggregation Is Located On Same or Adjacent or Contiguous Property to Generator Parcel

In addition, PG&E Electric Tariff Rules and Rates, including but not limited to Electric Rules 2, 14, 15, 16, and 21, Schedule NEM, and Customer-Generator's otherwise-applicable rate schedule, available at PG&E's website at www.pge.com or by request, are specifically incorporated herein and made part of this Agreement.

3.2 When initially capitalized, whether in the singular or in the plural, the terms used herein shall have the meanings assigned to them either in this Agreement or in PG&E's Electric Rule 21, Section G.1.m.

4. CUSTOMER BILLING AND PAYMENT

Customer-Generator initially selects Pacific Gas and Electric Company's electric rate schedule referenced in Section 2.6 of this Agreement as its otherwise-applicable rate schedule. Customer-Generator understands that they will be billed according to the otherwise-applicable rate schedule and Schedule NEM.

5. TERM AND TERMINATION

5.1 This Agreement shall become effective as of the last date entered in Section 18 below. The Agreement shall continue in full force and effect until the earliest date that one of the following events occurs:

(a) The Parties agree in writing to terminate the Agreement.

(b) Unless otherwise agreed in writing by the Parties, at 12:01 A.M. on the day following the date the electric service account through which Customer-

Generator's Generating Facility is interconnected to PG&E is closed or terminated.

(c) At 12:01 A.M. on the 61st day after Customer-Generator or PG&E provides written Notice pursuant to Section 11 below to the other Party of Customer-Generator's or PG&E's intent to terminate this Agreement.

5.2 Customer-Generator may elect to terminate this Agreement pursuant to the terms of Section 5.1(c) for any reason. PG&E may elect to terminate this Agreement pursuant to the terms of Section 5.1(c) for one or more of the following reasons:

(a) A change in applicable rules, tariffs, or regulations, as approved or directed by the Commission, or a change in any local, state or federal law, statute or regulation, either of which materially alters or otherwise affects PG&E's ability or obligation to perform PG&E's duties under this Agreement; or,

(b) Customer-Generator fails to take all corrective actions specified in PG&E's Notice that Customer-Generator's Generating Facility is out of compliance with the terms of this Agreement within the time frame set forth in such Notice; or,

(c) Customer-Generator abandons the Generating Facility. PG&E shall deem the Generating Facility to be abandoned if PG&E determines, in its sole opinion, the Generating Facility is nonoperational and Customer-Generator does not provide a substantive response to PG&E Notice of its intent to terminate this Agreement as a result of Customer-Generator's apparent abandonment of the Generating Facility affirming Customer-Generator's intent and ability to continue to operate the Generating Facility; or,

(d) Customer-Generator's Generating Facility ceases to meet all applicable safety and performance standards set out in Section 6.

5.3 Notwithstanding any other provisions of this Agreement, PG&E shall have the right to unilaterally file with the Commission, pursuant to the Commission's rules and regulations, an application to terminate this Agreement.

5.4 Any agreements attached to and incorporated into this Agreement shall terminate concurrently with this Agreement unless the Parties have agreed otherwise in writing.

6. GENERATING FACILITY REQUIREMENTS

6.1 Customer-Generator's Generating Facility must meet all applicable safety and performance standards established by the National Electrical Code, the Institute of Electrical and Electronics Engineers, and accredited testing laboratories such as Underwriters Laboratories and, where applicable, rules of the Commission regarding safety and reliability including Rule 21.

6.2 Customer-Generator shall: (a) maintain the Generating Facility and Interconnection Facilities in a safe and prudent manner and in conformance with all applicable laws and regulations including, but not limited to, Section 6.1, and (b) obtain any governmental authorizations and permits required for the construction and operation of the Generating Facility and Interconnection Facilities. Customer-Generator shall reimburse PG&E for any and all losses, damages, claims, penalties, or liability it incurs as a result of Customer-Generator's failure to obtain or maintain any governmental authorizations and permits required for construction and operation of Customer-Generator's Generating Facility.

6.3 Customer-Generator shall not commence parallel operation of the Generating Facility until PG&E has provided express written approval. Such approval shall normally be provided no later than thirty (30) business days following PG&E's receipt of: (1) a completed *Generating Facility Interconnection Application for Non-Export or Certain Net Energy Metered Generating Facilities (Between 30 kW and 1000 kW)* (Form 79-974), including all supporting documents and payments as described in the Application; (2) a completed *Expanded Net Energy Metering (NEM) Supplemental Application* (Form 79-998); (3) a signed and completed *Interconnection Agreement for Net Energy Metering of Solar or Wind Electric Generating Facilities of 1,000 KW or Less, Other Than Facilities of 30 KW or Less* (Form 79-978); and (4) a copy of the Customer-Generator's final inspection clearance from the governmental authority having jurisdiction over the Generating Facility. Such approval shall not be unreasonably withheld. PG&E shall have the right to have representatives present at the Commissioning Test as defined in Rule 21. Customer-Generator shall notify PG&E at least five (5) business days prior to the initial testing.

7. INTERCONNECTION FACILITIES

7.1 Customer-Generator and/or PG&E, as appropriate, shall provide Interconnection Facilities that adequately protect PG&E's Distribution System, personnel, and other persons from damage or injury, which may be caused by the operation of Customer-Generator's Generating Facility.

7.2 Customer-Generator shall be solely responsible for the costs, design, purchase, construction, permitting, operation, and maintenance of the Interconnection Facilities that Customer-Generator owns.

7.3 If the provisions of PG&E's Electric Rule 21, or any other tariff or rule approved by the Commission, require PG&E to own and operate a portion of the Interconnection Facilities, Customer-Generator and PG&E shall promptly execute an Special Facilities Agreement that establishes and allocates responsibility for the design, installation, operation, maintenance, and ownership of the Interconnection Facilities. This Special Facilities Agreement shall be attached to and made a part of this Agreement as Appendix B.

8. LIMITATION OF LIABILITY

Each Party's liability to the other Party for any loss, cost, claim, injury, liability, or expense, including reasonable attorney's fees, relating to or arising from any act or omission in its performance of this agreement, shall be limited to the amount of direct damage actually incurred. In no event shall either Party be liable to the other Party for any indirect, special, consequential, or punitive damages of any kind whatsoever.

9. INSURANCE

Customer-Generator Facility is required to comply with standards and rules set forth in section 6 and provide the following for insurance policies in place.

Customer-Generator shall furnish the required certificates and all endorsements to PG&E prior to Parallel Operation.

The certificate shall provide thirty (30) calendar days' written notice to PG&E prior to cancellation, termination, alteration, or material change of such insurance.

PG&E shall have the right to inspect or obtain a copy of the original policy or policies of insurance.

9.1 If at any time during this agreement the Customer-Generator fails to meet the requirements in section 6, the following insurance shall apply:

Customer-Generator shall procure and maintain a commercial general liability insurance policy at least as broad as the Insurance Services Office (ISO) commercial general liability coverage "occurrence" form; or, if Customer-Generator is an individual, then liability coverage with respect to premises and use at least as broad as the ISO homeowners' or personal liability Insurance occurrence policy form, or substitute, providing equivalent coverage no less than the following limits, based on generator size:

(a) Two million dollars ($2,000,000) for each occurrence if the Gross Nameplate Rating of the Generating Facility is greater than one hundred (100) kW; or

(b) One million dollars ($1,000,000) for each occurrence if the Gross Nameplate Rating of the Generating Facility is greater than twenty (20) kW and less than or equal to one hundred (100) kW; or

(c) Five hundred thousand dollars ($500,000) for each occurrence if the Gross Nameplate Rating of the Generating Facility is twenty (20) kW or less;

(d) Two hundred thousand dollars ($200,000) for each occurrence if the Gross Nameplate Rating of the Generating Facility is ten (10) kW or less and the Generating Facility is connected to an account receiving residential service from PG&E.

The insurance shall, by endorsement:

(a) Add PG&E as an additional insured;

(b) State that coverage provided is primary and is not in excess to or contributing with any insurance or self-insurance maintained by PG&E.

(c) Contain a severability of interest clause or cross-liability clause.

9.2 If Customer-Generator's Generating Facility is connected to an account receiving residential service from PG&E and the requirement of Section 9.1 prevents Customer-Generator from obtaining the insurance required in this Section, then upon Customer-Generator's written Notice to PG&E in accordance with Section 11.1, the requirements of Section 9.1 may be waived.

9.3 Customer-Generator may self-insure with approval from PG&E. Evidence of an acceptable plan to self-insure, at least thirty (30) calendar days' prior to operations shall be submitted.

If Customer-Generator ceases to self-insure to the level required hereunder, or if Customer-Generator is unable to provide continuing evidence of Customer-Generator's ability to self-insure, Customer-Generator agrees to immediately obtain the coverage required under agreement.

9.4 All required certificates, endorsements or letters of self-insurance shall be issued and submitted via email or fax to the following:

Pacific Gas and Electric Company
c/o EXIGIS LLC
support@exigis.com
Fax: 646-755-3327

10. INDEMNITY FOR FAILURE TO COMPLY WITH INSURANCE PROVISIONS

10.1 If Customer-Generator fails to comply with the insurance provisions of this Agreement, Customer-Generator shall, at its own cost, defend, save harmless and indemnify PG&E, its directors, officers, employees, agents, assignees, and successors in interest from and against any and all loss, liability, damage, claim, cost, charge, demand, or expense of any kind or nature (including attorney's fees and other costs of litigation) resulting from the death or injury to any person or damage to any property, including the personnel and property of the utility, to the extent that the utility would have been protected had Customer-Generator complied with all such insurance provisions. The inclusion of this Section 10.1 is not intended to create any expressed or implied right in Customer-Generator to elect not to provide any such required insurance.

10.2 The provisions of this Section 10 shall not be construed to relieve any insurer of its obligations to pay any insurance claims in accordance with the provisions of any valid insurance policy.

11. NOTICES

11.1 Any written notice, demand, or request required or authorized in connection with this Agreement (Notice) shall be deemed properly given if delivered in person or sent by first class mail, postage prepaid, to the person specified below:

If to PG&E: Pacific Gas and Electric Company
Attention: Generation Interconnection Services- Contract Management
245 Market Street
Mail Code N7L
San Francisco, California 94105-1702

If to Customer-Generator:

Customer-Generator Name: _____

Address: _____

City: _____

Phone: (_____) _____

FAX: (_____) _____

11.2 A Party may change its address for Notices at any time by providing the other Party notice of the change in accordance with Section 11.1.

11.3 The Parties may also designate operating representatives to conduct the daily communications, which may be necessary or convenient for the administration of this Agreement. Such designations, including names, addresses, and phone numbers may be communicated or revised by one Party's Notice to the other.

12. REVIEW OF RECORDS AND DATA

12.1 PG&E shall have the right to review and obtain copies of Customer-Generator's operations and maintenance records, logs, or other information such as Generating Facility availability, maintenance outages, circuit breaker operation requiring manual reset, relay targets and unusual events pertaining to Customer-Generator's Generating Facility or its interconnection to PG&E.

12.2 Customer-Generator authorizes to release to the California Energy Commission (CEC) information regarding Customer-Generator's facility, including customer name and Generating Facility location, size, and operational characteristics, as requested from time to time pursuant to the CEC's rules and regulations.

13. ASSIGNMENT

Customer-Generator shall not voluntarily assign its rights nor delegate its duties under this Agreement without PG&E's written consent. Any assignment or delegation Customer-Generator makes without PG&E's written consent shall not be valid. PG&E shall not unreasonably withhold its consent to Customer-Generator's assignment of this Agreement.

14. NON-WAIVER

None of the provisions of this Agreement shall be considered waived by a Party unless such waiver is given in writing. The failure of a Party to insist in any one or more instances upon strict performance of any of the provisions of this Agreement or to take advantage of any of its rights hereunder shall not be construed as a waiver of any such provisions or the relinquishment of any such rights for the future, but the same shall continue and remain in full force and effect.

15. GOVERNING LAW, JURISDICTION OF COMMISSION, INCLUSION OF PG&E's TARIFF SCHEDULES AND RULES

15.1 This Agreement shall be interpreted, governed, and construed under the laws of the State of California as if executed and to be performed wholly within the State of California without giving effect to choice of law provisions that might apply to the law of a different jurisdiction.

15.2 This Agreement shall, at all times, be subject to such changes or modifications by the Commission as it may from time to time direct in the exercise of its jurisdiction.

15.3 The interconnection and services provided under this Agreement shall at all times be subject to the terms and conditions set forth in the Tariff Schedules and Rules applicable to the electric service provided by PG&E, which Tariff Schedules and Rules are hereby incorporated into this Agreement by this reference.

15.4 Notwithstanding any other provisions of this Agreement, PG&E shall have the right to unilaterally file with the Commission, pursuant to the Commission's rules and regulations, an application for change in rates, charges, classification, service, tariff or rule or any agreement relating thereto.

16. AMENDMENT AND MODIFICATION

This Agreement can only be amended or modified by a writing signed by both Parties.

17. ENTIRE AGREEMENT

This Agreement, including any incorporated Tariff Schedules and Rules, contains the entire Agreement and understanding between the Parties, their agents, and employees as to the subject matter of this Agreement. Each party also represents that in entering into this Agreement, it has not relied on any promise, inducement, representation, warranty, agreement or other statement not set forth in this Agreement or in the incorporated Tariff Schedules and Rules.

18. SIGNATURES

IN WITNESS WHEREOF, the Parties hereto have caused this Agreement to be executed by their duly authorized representatives. This Agreement is effective as of the last date set forth below.

	PACIFIC GAS AND ELECTRIC COMPANY
Customer-Generator's Name	
Authorized by (Print)	Authorized by (Print)
Signature	Signature
Title	Title
Date	Date

APPENDIX A
DESCRIPTION OF GENERATING FACILITY AND SINGLE-LINE DIAGRAM
(Provided by Customer-Generator)

APPENDIX B
(If Applicable)
Any Rule 2 or Rule 21 Agreements for the Installation or Allocation of Special Facilities (Forms 79-255, 79-280, 79-702) or Agreements to Perform Any Tariff Related Work (62-4527)
(Formed between the Parties)

Appendix C

SCHEDULE NEM CUSTOMER-GENERATOR WARRANTY THAT IT MEETS THE REQUIREMENTS FOR AN ELIGIBLE CUSTOMER-GENERATOR AND IS AN ELIGIBLE RENEWABLE ELECTRICAL GENERATION FACILITY PURSUANT TO SECTION 2827 OF THE CALIFORNIA PUBLIC UTILITIES CODE

(This Affidavit needs to be completed and submitted to PG&E by the Customer-Generator every time a new NEM or NEMV interconnection agreement for a Renewable Electrical Generation Facility is executed or whenever there is a change in ownership of the Generating Facility)

Check Type of Renewable Electrical Generation Facility:

☐ biomass	☐ geothermal	☐ municipal solid waste
☐ solar thermal	☐ fuel cell	☐ landfill gas
☐ small hydroelectric generation	☐ ocean wave	☐ digester gas
☐ ocean thermal	☐ tidal current	

NEM / NEMV Customer-Generator (Customer) declares that

(1) it meets the requirements to be an "Eligible Customer-Generator" and its Generating Facility.

(2) (a) meets the requirements of an "Renewable Electrical Generation Facility", as defined in Section 2827(b)(5) of the California Public Utilities Code and
(b) satisfies the definitions of the renewable resource for the Renewable Electrical Generation Facility in the latest version of the California Energy Commission's (CEC's) Renewables Portfolio Standard (RPS) Eligibility Guidebook and the Overall Program Guidebook.[3] (Eligibility Requirements).

Included in these eligibility requirements (check as applicable) pursuant to Public Utilities Code section 2827(b)(5) and Public Resource Code Section 25741 paragraph 1(a):

☐ If the Renewable Electrical Generation Facility is a fuel cell, or otherwise uses renewable biogas or otherwise, Eligible Customer-Generator warrants that the fuel cell is powered solely with renewable fuel.

☐ If the Renewable Electrical Generation Facility is a Small hydroelectric generating facility, customer warrants that it will not cause an adverse impact on instream beneficial uses, nor cause a change in the volume or timing of streamflow).

[3] The RPS Guidebooks can be found at: https://www.energy.ca.gov/programs-and-topics/programs/renewables-portfolio-standard

If the Customer uses biogas or a renewable fuel as the fuel for their Renewable Electric Generation Facility:

❑ Eligible Customer-Generator warrants that the Renewable Generation Facility is powered solely with renewable fuel.

Eligible Customer-Generator warrants that, beginning on the date of Initial Operation and continuing throughout the term of this Agreement, Eligible Customer-Generator and the Generating Facility shall continue to meet the Eligibility Requirements. If Eligible Customer-Generator or the Generating Facility ceases to meet the Eligibility Requirements, Eligible Customer-Generator shall promptly provide PG&E with Notice of such change pursuant to Section 11 of this Agreement. If at any time during the term of this Agreement PG&E determines, at its sole discretion, that Eligible Customer-Generator or Generating Facility may no longer meet the Eligibility Requirements, PG&E may require Eligible Customer-Generator to provide evidence that Eligible Customer-Generator and/or Generating Facility continues to meet the Eligibility Requirements, within 15 business days of PG&E's request for such evidence. Additionally, PG&E may periodically (typically, once per year) inspect Producer's Generating Facility and/or require documentation from Eligible Customer-Generator to monitor the Generating Facility's compliance with the Eligibility Requirements. If PG&E determines at its sole judgment that Eligible Customer-Generator either failed to provide evidence in a timely manner or that it provided insufficient evidence that its Generating Facility continues to meet the Eligibility Requirements, then the Eligibility Status shall be deemed ineffective until such time as Eligible Customer-Generator again demonstrates to PG&E's reasonable satisfaction that Eligible Customer-Generator meets the requirements for an Eligible Customer–Generator and/or the Generating Facility meets the requirements for a Eligible electrical generating facility (the Eligibility Status Change).

PG&E shall revise its records and the administration of this Agreement to reflect the Eligibility Status Change and provide Notice to Eligible Customer-Generator of the Eligibility Status Change pursuant to Section 11 of this Agreement. Such Notice shall specify the effective date of the Eligibility Status Change. This date shall be the first day of the calendar year for which PG&E determines in its sole discretion that the Eligible Customer-Generator and/or Generating Facility first ceased to meet the Eligibility Requirements. PG&E shall invoice the Eligible Customer-Generator for any tariff charges that were not previously billed during the period between the effective date of the Eligibility Status Change and the date of the Notice in reliance upon Eligible Customer-Generator's representations that Eligible Customer-Generator and/or Generating Facility complied with the Eligibility Requirements and therefore was eligible for the rate treatment available under the Net Energy Metering provisions of PG&E's Schedule NEM or NEMV, Net Energy Metering Service for Eligible Customer-Generators.

Any amounts to be paid or refunded by Eligible Customer-Generator, as may be invoiced by PG&E pursuant to the terms of this warranty, shall be paid to PG&E within 30 days of Eligible Customer-Generator's receipt of such invoice.

Unless otherwise ordered by the CPUC, this Agreement at all times shall be subject to such modifications as the CPUC may direct from time to time in the exercise of its jurisdiction.

I certify the above is true and correct,

Customer-Generator Signature:_____

Name: _____

Title: _____

Date: _____

Appendix D

NEM LOAD AGGREGATION APPENDIX

(If Applicable)

Customer-Generator Declaration Warranting NEM Aggregation Is Located On Same or Adjacent or Contiguous Property to Generator Parcel

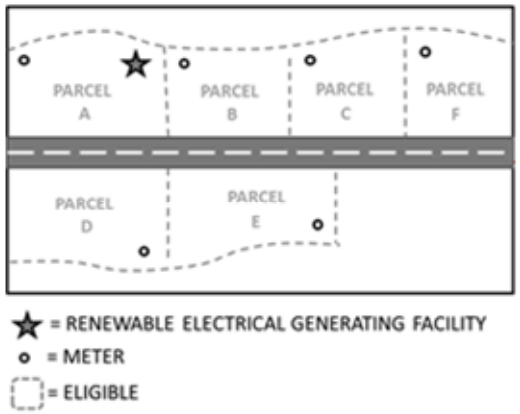
In accordance with Schedule NEM, I, Customer-Generator represent and warrant under penalty of perjury that:

1) The total annual output in kWh of the generator is less than or equal to 110% (for solar and/or wind systems equal to or less than 30 kW) or 100% (for all other technologies and solar and/or wind systems greater than 30 kW) of the annual aggregated electrical load in kWh of the meters associated with the generator account, including the load on the generating account itself (before being offset by the generator); and

2) Each of the aggregated account meters associated with this NEM generator account are located either:

(i) on the property where the renewable electrical generation facility is located, or

(ii) are located within an unbroken chain of contiguous parcels that are all solely owned, leased or rented by the customer-generator. For purposes of Load Aggregation, parcels that are divided by a street, highway, or public thoroughfare are considered contiguous, provided they are within an unbroken chain of otherwise contiguous parcels that are all solely owned leased or rented by the customer-generator.



For example, assume there are five parcels (A, B, C, D, E, and F) that form a cluster of contiguous parcels and D and E are separated from A, B, C and F by a street, highway, or public thoroughfare. For the purposes of participating in Load Aggregation, all five parcels are considered contiguous, provided they are otherwise contiguous and all are solely owned, leased or rented by the customer-generator. Refer to the diagram at left (for illustrative purposes only.)

3) PG&E reserves the right to request a parcel map to confirm the property meets the requirements of 2) above; and

4) Customer-Generator agrees to notify PG&E if there is any change of status that makes any of the participating meters ineligible for meter aggregation to ensure that only eligible meters are participating; PG&E will require an updated Appendix and Declaration form; and

5) Upon request by PG&E, I agree to provide documentation that all aggregated meters meet the requirements of Rate Schedule NEM Special Condition 6 including but not limited to parcel maps and ownership records.

Customer Generator's Name	*Signature*
Date	*Type/Print Name*
	Title

Electric Sample Form No. 79-1137-02 Sheet 1

Interconnection Agreement for Net Energy Metering (NEM2/NEM2V) for a Renewable Electricity Generation Facility of 1,000 Kilowatts or Less, Except Solar or Wind

Please Refer to Attached Sample Form

INTERCONNECTION AGREEMENT FOR A NET ENERGY METERING (NEM2/NEM2V) FOR A RENEWABLE ELECTRICITY GENERATION FACILITY OF 1,000 KILOWATTS OR LESS, EXCEPT SOLAR OR WIND

This *INTERCONNECTION AGREEMENT FOR A NET ENERGY METERING (NEM2/NEM2V) FOR A RENEWABLE ELECTRICITY GENERATION FACILITY OF 1,000 KILOWATTS OR LESS, EXCEPT SOLAR OR WIND* (Agreement) [1] is entered into by and between _____ (Customer-Generator), and Pacific Gas and Electric Company (PG&E), a California Corporation. Customer-Generator and PG&E are sometimes also referred to in this Agreement jointly as "Parties" or individually as "Party." In consideration of the mutual promises and obligations stated in this Agreement and its attachments, the Parties agree as follows:

1. SCOPE AND PURPOSE

1.1 This Agreement provides for Customer-Generator to interconnect and operate a Renewable Electrical Generation Facility as defined in Schedule NEM2 (if this is a NEM Solar or Wind Generating Facility less than 1,000 kWh, please use form 79-978) (Generating Facility) in parallel with PG&E's Electric System to serve the electrical loads connected to the electric service account that PG&E uses to interconnect Customer-Generator's Generating Facility. Customer-Generator's Generating Facility is intended primarily to offset part or all of the Customer-Generator's own electrical requirements. Consistent with, and in order to effectuate, the provisions of Sections 2827 of the California Public Utilities Code and PG&E's electric rate Schedule NEM2 (NEM2), Parties enter into this Agreement. This Agreement applies to the Customer-Generator's Generating Facilities identified below with the specified characteristics and generating capacity, and does not allow interconnection or operation of facilities different than those described.

2. SUMMARY AND DESCRIPTION OF CUSTOMER-GENERATOR'S GENERATING FACILITY AND DESIGNATION OF OTHERWISE-APPLICABLE RATE SCHEDULE

2.1 A description of the Generating Facility, including a summary of its significant components, and a single-line diagram showing the general arrangement of how Customer-Generator's Generating Facility and loads are interconnected with PG&E's Electric System, is attached to and made a part of this Agreement. (This description is supplied by Customer-Generator as Appendix A).

2.2 Generating Facility identification number: _____ (Assigned by PG&E).

2.3 Customer-Generator's electric service agreement ID number: _____ (Assigned by PG&E).

[1] Additional forms are available on PG&E's website at http://www.pge.com/gen).

2.4 Name and address used by PG&E to locate the electric service account used to interconnect the Generating Facility with PG&E's Electric System:

Name: _____

Address: _____

City/Zip Code: _____

2.5 Customer-Generator's otherwise-applicable rate schedule as of the execution of this Agreement is _____.

2.6 The Generating Facility's expected date of Initial Operation is _____. The expected date of Initial Operation shall be within two years of the date of this Agreement.

2.7 The Gross Nameplate Rating of the Generating Facility: _____ kW.

2.8 The Net Nameplate Rating of the Generating Facility: _____ kW.

2.9 The expected annual energy production of the Generating Facility is _____ kWh.

2.10 Smart Inverters - For Customer-Generator applications received on or after September 9, 2017, the Customer-Generator certifies that their inverter-based Generating Facilities fully comply with Section Hh of Rule 21, including configuration of protective settings and default settings, in accordance with the specifications therein.

Distribution Provider may require a field verification of the Customer-Generator's inverter. Customer-Generator further agrees to cooperate fully with any such request and make their inverter available to the Distribution Provider for such verification. Customer-Generator understands that in the event the inverter is not set in accordance with Section Hh of Rule 21, Customer-Generator will need to cease operation of generating facility until verification is confirmed by Distribution Provider.

(Solar inverter models and firmware versions that comply with Rule 21 Section Hh can be found at https://www.energy.ca.gov/programs-and-topics/topics/renewable-energy/solar-equipment-lists.)

Verification of compliance with such requirements shall be provided by the Customer-Generator upon request by PG&E in accordance with PG&E's Electric Rule 21.

An "existing inverter" is defined as an inverter that is a component of an existing Generating Facility that meets one or more of the following conditions:

(a) it is already approved by PG&E for interconnection prior to September 9, 2017

(b) the Customer-Generator has submitted the interconnection application prior to September 9, 2017,

(c) the Customer-Generator provides evidence of having applied for an electrical permit for the Generating Facility installation that is dated prior to September 9, 2017 and submitted a complete interconnection application[2] no later than March 31, 2018, or

[2] A complete application consists all of the following without deficiencies:
1. A completed Interconnection Application including all supporting documents and required payments, (continued next page)
2. A completed signed Interconnection Agreement,

(d) the Customer-Generator provides evidence of a final inspection clearance from the governmental authority having jurisdiction over the Generating Facility prior to September 9, 2017.

All "existing inverters" are not required to be Smart Inverters and are only subject to Section H of Rule 21. Customer-Generator replacing an "existing inverter" certifies it is being replaced with either:

(i) inverter equipment that complies with Section Hh of Rule 21, (encouraged); or

(ii) a conventional inverter that is of the same size and equivalent ability to that of the inverter being replaced, as allowed in Rule 21 Section H.3.d.ii.

3. DOCUMENTS INCLUDED AND DEFINED TERMS

3.1 This Agreement includes the following exhibits that are specifically incorporated herein and made a part of this Agreement.

Appendix A Description of Generating Facility and Single-Line Diagram (Supplied by Customer-Generator).

Appendix B A Copy of *PG&E's Agreement for Installation or Allocation of Special Facilities* (Forms 79-255, 79-280, 79-702) or *Agreements to Perform Any Tariff Related Work* (62-4527), if applicable (Formed by the Parties).

Appendix C Schedule NEM2 / NEM2V Customer-Generator Warranty That it Meets the Requirements for an Eligible Customer-Generator and Is an Eligible Renewable Electrical Generation Facility Pursuant to Section 2827 of the California Public Utilities Code.

Appendix D NEM2 Load Aggregation Customer-Generator Declaration Warranting NEM2 Aggregation Is Located On Same or Adjacent or Contiguous Property to Generator Parcel

In addition, PG&E Electric Tariff Rules and Rates, including but not limited to Electric Rules 2, 14, 15, 16, and 21, Schedule NEM2, and Customer-Generator's otherwise-applicable rate schedule, available at PG&E's website at www.pge.com or by request, are specifically incorporated herein and made part of this Agreement.

3.2 When initially capitalized, whether in the singular or in the plural, the terms used herein shall have the meanings assigned to them either in this Agreement or in PG&E's Electric Rule 21, Section G.1.m.

4. CUSTOMER BILLING AND PAYMENT

Customer-Generator initially selects Pacific Gas and Electric Company's electric rate schedule referenced in Section 2.6 of this Agreement as its otherwise-applicable rate schedule. Customer-Generator understands that they will be billed according to the otherwise-applicable rate schedule and Schedule NEM2.

5. TERM AND TERMINATION

3. Evidence of the Customer-Generator final inspection clearance from the governmental authority having jurisdiction over the generating system.

5.1 This Agreement shall become effective as of the last date entered in Section 20 below. The Agreement shall continue in full force and effect until the earliest date that one of the following events occurs:

(a) The Parties agree in writing to terminate the Agreement.

(b) Unless otherwise agreed in writing by the Parties, at 12:01 A.M. on the day following the date the electric service account through which Customer-Generator's Generating Facility is interconnected to PG&E is closed or terminated.

(c) At 12:01 A.M. on the 61st day after Customer-Generator or PG&E provides written Notice pursuant to Section 11 below to the other Party of Customer-Generator's or PG&E's intent to terminate this Agreement.

5.2 Customer-Generator may elect to terminate this Agreement pursuant to the terms of Section 5.1(c) for any reason. PG&E may elect to terminate this Agreement pursuant to the terms of Section 5.1(c) for one or more of the following reasons:

(a) A change in applicable rules, tariffs, or regulations, as approved or directed by the Commission, or a change in any local, state or federal law, statute or regulation, either of which materially alters or otherwise affects PG&E's ability or obligation to perform PG&E's duties under this Agreement; or,

(b) Customer-Generator fails to take all corrective actions specified in PG&E's Notice that Customer-Generator's Generating Facility is out of compliance with the terms of this Agreement within the time frame set forth in such Notice; or,

(c) Customer-Generator abandons the Generating Facility. PG&E shall deem the Generating Facility to be abandoned if PG&E determines, in its sole opinion, the Generating Facility is nonoperational and Customer-Generator does not provide a substantive response to PG&E Notice of its intent to terminate this Agreement as a result of Customer-Generator's apparent abandonment of the Generating Facility affirming Customer-Generator's intent and ability to continue to operate the Generating Facility; or,

(d) Customer-Generator's Generating Facility ceases to meet all applicable safety and performance standards set out in Section 6.

5.3 Notwithstanding any other provisions of this Agreement, PG&E shall have the right to unilaterally file with the Commission, pursuant to the Commission's rules and regulations, an application to terminate this Agreement.

5.4 Any agreements attached to and incorporated into this Agreement shall terminate concurrently with this Agreement unless the Parties have agreed otherwise in writing.

6. GENERATING FACILITY REQUIREMENTS

6.1 Customer-Generator's Generating Facility must meet all applicable safety and performance standards established by the National Electrical Code, the Institute of Electrical and Electronics Engineers, and accredited testing laboratories such as Underwriters Laboratories and, where applicable, rules of the Commission regarding safety and reliability including Rule 21.

6.2 Customer-Generator shall: (a) maintain the Generating Facility and Interconnection Facilities in a safe and prudent manner and in conformance with all applicable laws and regulations including, but not limited to, Section 6.1, and (b) obtain any governmental authorizations and permits required for the construction and operation of the Generating Facility and Interconnection Facilities. Customer-Generator shall reimburse PG&E for any and all losses, damages, claims, penalties, or liability it

incurs as a result of Customer-Generator's failure to obtain or maintain any governmental authorizations and permits required for construction and operation of Customer-Generator's Generating Facility.

6.3 Customer-Generator shall not commence parallel operation of the Generating Facility until PG&E has provided express written approval. Such approval shall normally be provided no later than thirty (30) business days following PG&E's receipt of: (1) a completed *Generating Facility Interconnection Application for Non-Export or Certain Net Energy Metered Generating Facilities* (Form 79-974-02), including all supporting documents and payments as described in the Application; (2) a signed and completed *INTERCONNECTION AGREEMENT FOR A NET ENERGY METERING (NEM2/NEM2V) FOR A RENEWABLE ELECTRICITY GENERATION FACILITY OF 1,000 KILOWATTS OR LESS, EXCEPT SOLAR OR WIND* (Form 79-1137-02); and (4) a copy of the Customer-Generator's final inspection clearance from the governmental authority having jurisdiction over the Generating Facility. Such approval shall not be unreasonably withheld. PG&E shall have the right to have representatives present at the Commissioning Test as defined in Rule 21. Customer-Generator shall notify PG&E at least five (5) business days prior to the initial testing.

6.4 In order to promote the safety and reliability of the customer Generating Facility, the applicant certifies that as a part of each interconnection request for NEM2, that all major solar system components are on the verified equipment list maintained by the California Energy Commission and certifies that other equipment, as determined by PG&E, has safety certification from a nationally recognized testing laboratory.

6.5 Applicant certifies as a part of each interconnection request for NEM2 that

(i) a warranty of at least 10 years has been provided on all equipment and on its installation, or

(ii) a 10-year service warranty or executed "agreement" has been provided ensuring proper maintenance and continued system performance.

6.6 Customers on this tariff must pay for the interconnection of their Generation Facilities as provided in Electric Rule 21, pursuant to Decision 16-01-044.

7. INTERCONNECTION FACILITIES

7.1 Customer-Generator and/or PG&E, as appropriate, shall provide Interconnection Facilities that adequately protect PG&E's Electric System, personnel, and other persons from damage or injury, which may be caused by the operation of Customer-Generator's Generating Facility.

7.2 Customer-Generator shall be solely responsible for the costs, design, purchase, construction, permitting, operation, and maintenance of the Interconnection Facilities that Customer-Generator owns.

7.3 If the provisions of PG&E's Electric Rule 21, or any other tariff or rule approved by the Commission, require PG&E to own and operate a portion of the Interconnection Facilities, Customer-Generator and PG&E shall promptly execute an Special Facilities Agreement that establishes and allocates responsibility for the design, installation, operation, maintenance, and ownership of the Interconnection Facilities. This Special Facilities Agreement shall be attached to and made a part of this Agreement as Appendix B.

8. LIMITATION OF LIABILITY

Each Party's liability to the other Party for any loss, cost, claim, injury, liability, or expense, including reasonable attorney's fees, relating to or arising from any act or omission in its performance of this agreement, shall be limited to the amount of direct damage actually incurred. In no event shall either Party be liable to the other Party for any indirect, special, consequential, or punitive damages of any kind whatsoever.

9. INSURANCE

9.1 Customer-Generator Facility is required to comply with standards and rules set forth in Section 6 and provide the following for insurance policies in place.

9.2 Customer-Generator shall furnish the required certificates and all endorsements to PG&E prior to Parallel Operation.

9.3 The certificate shall provide thirty (30) calendar days' written notice to PG&E prior to cancellation, termination, alteration, or material change of such insurance.

9.4 PG&E shall have the right to inspect or obtain a copy of the original policy or policies of insurance.

If at any time during this agreement the Customer-Generator fails to meet the requirements in Section 6, the following insurance shall apply:

Customer-Generator shall procure and maintain a commercial general liability insurance policy at least as broad as the Insurance Services Office (ISO) commercial general liability coverage "occurrence" form; or, if Customer-Generator is an individual, then liability coverage with respect to premises and use at least as broad as the ISO homeowners' or personal liability Insurance occurrence policy form, or substitute, providing equivalent coverage no less than the following limits, based on generator size:

(a) Two million dollars ($2,000,000) for each occurrence if the Gross Nameplate Rating of the Generating Facility is greater than one hundred (100) kW; or

(b) One million dollars ($1,000,000) for each occurrence if the Gross Nameplate Rating of the Generating Facility is greater than twenty (20) kW and less than or equal to one hundred (100) kW; or

(c) Five hundred thousand dollars ($500,000) for each occurrence if the Gross Nameplate Rating of the Generating Facility is twenty (20) kW or less;

(d) Two hundred thousand dollars ($200,000) for each occurrence if the Gross Nameplate Rating of the Generating Facility is ten (10) kW or less and the Generating Facility is connected to an account receiving residential service from PG&E.

The insurance shall, by endorsement:

(a) Add PG&E as an additional insured;

(b) State that coverage provided is primary and is not in excess to or contributing with any insurance or self-insurance maintained by PG&E.

(c) Contain a severability of interest clause or cross-liability clause.

9.5 If Customer-Generator's Generating Facility is connected to an account receiving residential service from PG&E and the requirement of Section 9.1 prevents Customer-Generator from obtaining the insurance required in this Section, then upon Customer-Generator's written Notice to PG&E in accordance with Section 11.1, the requirements of Section 9.1 may be waived.

9.6 Customer-Generator may self-insure with approval from PG&E. Evidence of an acceptable plan to self-insure, at least thirty (30) calendar days' prior to operations shall be submitted. Customer-Generators such as state agencies that self-insure under this section are exempt from Section 10.1.

If Customer-Generator ceases to self-insure to the level required hereunder, or if Customer-Generator is unable to provide continuing evidence of Customer-Generator's ability to self-insure, Customer-Generator agrees to immediately obtain the coverage required under agreement.

9.7 All required certificates, endorsements or letters of self-insurance shall be issued and submitted via email or fax to the following:

Pacific Gas and Electric Company
c/o EXIGIS LLC
support@exigis.com
Fax: 646-755-3327

10. INDEMNITY FOR FAILURE TO COMPLY WITH INSURANCE PROVISIONS

10.1 If Customer-Generator fails to comply with the insurance provisions of this Agreement, Customer-Generator shall, at its own cost, defend, save harmless and indemnify PG&E, its directors, officers, employees, agents, assignees, and successors in interest from and against any and all loss, liability, damage, claim, cost, charge, demand, or expense of any kind or nature (including attorney's fees and other costs of litigation) resulting from the death or injury to any person or damage to any property, including the personnel and property of the utility, to the extent that the utility would have been protected had Customer-Generator complied with all such insurance provisions. The inclusion of this Section 10.1 is not intended to create any expressed or implied right in Customer-Generator to elect not to provide any such required insurance.

10.2 The provisions of this Section 10 shall not be construed to relieve any insurer of its obligations to pay any insurance claims in accordance with the provisions of any valid insurance policy..

11. NOTICES

11.1 Any written notice, demand, or request required or authorized in connection with this Agreement (Notice) shall be deemed properly given if delivered in person or sent by first class mail, postage prepaid, to the person specified below:

If to PG&E: Pacific Gas and Electric Company
Attention: Generation Interconnection Services- Contract Management
245 Market Street
Mail Code N7L
San Francisco, California 94105-1702

If to Customer-Generator:

Customer-Generator Name: _____

Address: _____

City: _____

Phone: (_____) _____

FAX:(_____) _____

11.2 A Party may change its address for Notices at any time by providing the other Party notice of the change in accordance with Section 11.1.

11.3 The Parties may also designate operating representatives to conduct the daily communications, which may be necessary or convenient for the administration of this Agreement. Such designations, including names, addresses, and phone numbers may be communicated or revised by one Party's Notice to the other.

12. REVIEW OF RECORDS AND DATA

12.1 PG&E shall have the right to review and obtain copies of Customer-Generator's operations and maintenance records, logs, or other information such as Generating Facility availability, maintenance outages, circuit breaker operation requiring manual reset, relay targets and unusual events pertaining to Customer-Generator's Generating Facility or its interconnection to PG&E.

12.2 Customer-Generator authorizes to release to the California Energy Commission (CEC) information regarding Customer-Generator's facility, including customer name and Generating Facility location, size, and operational characteristics, as requested from time to time pursuant to the CEC's rules and regulations.

13. ASSIGNMENT

Customer-Generator shall not voluntarily assign its rights nor delegate its duties under this Agreement without PG&E's written consent. Any assignment or delegation Customer-Generator makes without PG&E's written consent shall not be valid. PG&E shall not unreasonably withhold its consent to Customer-Generator's assignment of this Agreement.

14. NON-WAIVER

None of the provisions of this Agreement shall be considered waived by a Party unless such waiver is given in writing. The failure of a Party to insist in any one or more instances upon strict performance of any of the provisions of this Agreement or to take advantage of any of its rights hereunder shall not be construed as a waiver of any such provisions or the relinquishment of any such rights for the future, but the same shall continue and remain in full force and effect.

15. DISPUTES

15.1 Dispute Resolution

Any dispute arising between the Parties regarding a Party's performance of its obligations under this Agreement or requirements related to the interconnection of the Generating Facility shall be resolved according to the procedures in Rule 21.

16. REVIEW OF RECORDS AND DATA

16.1 Applicable Tax Laws and Regulation

The Parties agree to follow all applicable tax laws and regulations, consistent with CPUC policy and Internal Revenue Service requirements.

16.2 Maintenance of Tax Status

Each Party shall cooperate with the other to maintain the other Party's tax status. Nothing in this Agreement is intended to adversely affect the Distribution Provider's tax exempt status with respect to the issuance of bonds including, but not limited to, local furnishing bonds

17. GOVERNING LAW, JURISDICTION OF COMMISSION, INCLUSION OF PG&E's TARIFF SCHEDULES AND RULES

17.1 This Agreement shall be interpreted, governed, and construed under the laws of the State of California as if executed and to be performed wholly within the State of California without giving effect to choice of law provisions that might apply to the law of a different jurisdiction.

17.2 This Agreement shall, at all times, be subject to such changes or modifications by the Commission as it may from time to time direct in the exercise of its jurisdiction.

17.3 The interconnection and services provided under this Agreement shall at all times be subject to the terms and conditions set forth in the Tariff Schedules and Rules applicable to the electric service provided by PG&E, which Tariff Schedules and Rules are hereby incorporated into this Agreement by this reference.

17.4 Notwithstanding any other provisions of this Agreement, PG&E shall have the right to unilaterally file with the Commission, pursuant to the Commission's rules and regulations, an application for change in rates, charges, classification, service, tariff or rule or any agreement relating thereto.

18. AMENDMENT AND MODIFICATION

This Agreement can only be amended or modified by a writing signed by both Parties.

19. ENTIRE AGREEMENT

This Agreement, including any incorporated Tariff Schedules and Rules, contains the entire Agreement and understanding between the Parties, their agents, and employees as to the subject matter of this Agreement. Each party also represents that in entering into this Agreement, it has not relied on any promise, inducement, representation, warranty, agreement or other statement not set forth in this Agreement or in the incorporated Tariff Schedules and Rules.

20. SIGNATURES

IN WITNESS WHEREOF, the Parties hereto have caused this Agreement to be executed by their duly authorized representatives. This Agreement is effective as of the last date set forth below.

	PACIFIC GAS AND ELECTRIC COMPANY
(Customer-Generator's Name)	
(Signature)	*(Signature)*
(Print Name)	*(Print Name)*
(Title)	*(Title)*
(Date)	*(Date)*

APPENDIX A

DESCRIPTION OF GENERATING FACILITY AND SINGLE-LINE DIAGRAM

(Provided by Customer-Generator)

APPENDIX B (If Applicable)

Any Rule 2 or Rule 21 Agreements for the Installation or Allocation of Special Facilities (Forms 79-255, 79-280, 79-702) or Agreements to Perform Any Tariff Related Work (62-4527)
(Formed between the Parties)

Appendix C

SCHEDULE NEM2 CUSTOMER-GENERATOR WARRANTY THAT IT MEETS THE REQUIREMENTS FOR AN ELIGIBLE CUSTOMER-GENERATOR AND IS AN ELIGIBLE RENEWABLE ELECTRICAL GENERATION FACILITY PURSUANT TO SECTION 2827 OF THE CALIFORNIA PUBLIC UTILITIES CODE

(This Affidavit needs to be completed and submitted to PG&E by the Customer-Generator every time a new NEM2 or NEM2V interconnection agreement for a Renewable Electrical Generation Facility is executed or whenever there is a change in ownership of the Generating Facility)

Check Type of Renewable Electrical Generation Facility:

☐ biomass	☐ geothermal	☐ municipal solid waste
☐ solar thermal	☐ fuel cell	☐ landfill gas
☐ small hydroelectric generation	☐ ocean wave	☐ digester gas
☐ ocean thermal	☐ tidal current	

NEM2 / NEM2V Customer-Generator (Customer) declares that

(1) it meets the requirements to be an "Eligible Customer-Generator" and its Generating Facility.

(2) (a) meets the requirements of an "Renewable Electrical Generation Facility", as defined in Section 2827(b)(5) of the California Public Utilities Code and
(b) satisfies the definitions of the renewable resource for the Renewable Electrical Generation Facility in the latest version of the California Energy Commission's (CEC's) Renewables Portfolio Standard (RPS) Eligibility Guidebook and the Overall Program Guidebook.[3] (Eligibility Requirements).

Included in these eligibility requirements (check as applicable) pursuant to Public Utilities Code section 2827(b)(5) and Public Resource Code Section 25741 paragraph 1(a):

☐ If the Renewable Electrical Generation Facility is a fuel cell, or otherwise uses renewable biogas or otherwise, Eligible Customer-Generator warrants that the fuel cell is powered solely with renewable fuel.

☐ If the Renewable Electrical Generation Facility is a Small hydroelectric generating facility, customer warrants that it will not cause an adverse impact on instream beneficial uses, nor cause a change in the volume or timing of streamflow).

If the Customer uses biogas or a renewable fuel as the fuel for their Renewable Electric Generation Facility:

[3] The RPS Guidebooks can be found at: https://www.energy.ca.gov/programs-and-topics/programs/renewables-portfolio-standard

❑ Eligible Customer-Generator warrants that the Renewable Generation Facility is powered solely with renewable fuel.

Eligible Customer-Generator warrants that, beginning on the date of Initial Operation and continuing throughout the term of this Agreement, Eligible Customer-Generator and the Generating Facility shall continue to meet the Eligibility Requirements. If Eligible Customer-Generator or the Generating Facility ceases to meet the Eligibility Requirements, Eligible Customer-Generator shall promptly provide PG&E with Notice of such change pursuant to Section 11 of this Agreement. If at any time during the term of this Agreement PG&E determines, at its sole discretion, that Eligible Customer-Generator or Generating Facility may no longer meet the Eligibility Requirements, PG&E may require Eligible Customer-Generator to provide evidence that Eligible Customer-Generator and/or Generating Facility continues to meet the Eligibility Requirements, within 15 business days of PG&E's request for such evidence. Additionally, PG&E may periodically (typically, once per year) inspect Producer's Generating Facility and/or require documentation from Eligible Customer-Generator to monitor the Generating Facility's compliance with the Eligibility Requirements. If PG&E determines at its sole judgment that Eligible Customer-Generator either failed to provide evidence in a timely manner or that it provided insufficient evidence that its Generating Facility continues to meet the Eligibility Requirements, then the Eligibility Status shall be deemed ineffective until such time as Eligible Customer-Generator again demonstrates to PG&E's reasonable satisfaction that Eligible Customer-Generator meets the requirements for an Eligible Customer–Generator and/or the Generating Facility meets the requirements for a Eligible electrical generating facility (the Eligibility Status Change).

PG&E shall revise its records and the administration of this Agreement to reflect the Eligibility Status Change and provide Notice to Eligible Customer-Generator of the Eligibility Status Change pursuant to Section 11 of this Agreement. Such Notice shall specify the effective date of the Eligibility Status Change. This date shall be the first day of the calendar year for which PG&E determines in its sole discretion that the Eligible Customer-Generator and/or Generating Facility first ceased to meet the Eligibility Requirements. PG&E shall invoice the Eligible Customer-Generator for any tariff charges that were not previously billed during the period between the effective date of the Eligibility Status Change and the date of the Notice in reliance upon Eligible Customer-Generator's representations that Eligible Customer-Generator and/or Generating Facility complied with the Eligibility Requirements and therefore was eligible for the rate treatment available under the Net Energy Metering provisions of PG&E's Schedule NEM2 or NEM2V, Net Energy Metering Service for Eligible Customer-Generators.

Any amounts to be paid or refunded by Eligible Customer-Generator, as may be invoiced by PG&E pursuant to the terms of this warranty, shall be paid to PG&E within 30 days of Eligible Customer-Generator's receipt of such invoice.

Unless otherwise ordered by the CPUC, this Agreement at all times shall be subject to such modifications as the CPUC may direct from time to time in the exercise of its jurisdiction.

I certify the above is true and correct,

Customer-Generator Signature: _____

Name: _____

Title: _____

Date: _____

Appendix D

NEM2 LOAD AGGREGATION APPENDIX

(If Applicable)

Customer-Generator Declaration Warranting NEM2 Aggregation Is Located On Same or Adjacent or Contiguous Property to Generator Parcel

In accordance with Schedule NEM2, I, Customer-Generator represent and warrant under penalty of perjury that:

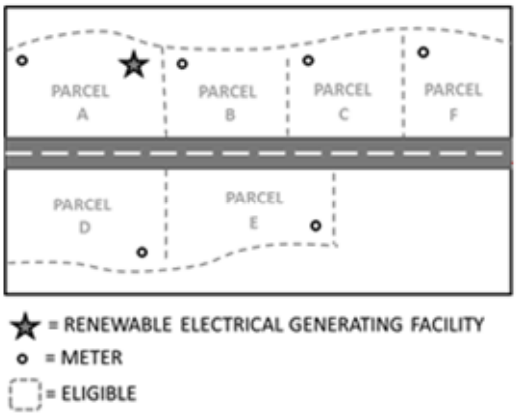
1) The total annual output in kWh of the generator is less than or equal to 110% (for solar and/or wind systems equal to or less than 30 kW) or 100% (for all other technologies and solar and/or wind systems greater than 30 kW) of the annual aggregated electrical load in kWh of the meters associated with the generator account, including the load on the generating account itself (before being offset by the generator); and

2) Each of the aggregated account meters associated with this NEM2 generator account are located either:

(i) on the property where the renewable electrical generation facility is located, or

(ii) are located within an unbroken chain of contiguous parcels that are all solely owned, leased or rented by the customer-generator. For purposes of Load Aggregation, parcels that are divided by a street, highway, or public thoroughfare are considered contiguous, provided they are within an unbroken chain of otherwise contiguous parcels that are all solely owned leased or rented by the customer-generator.

For example, assume there are five parcels (A, B, C, D, E, and F) that form a cluster of contiguous parcels and D and E are separated from A, B, C and F by a street, highway, or public thoroughfare. For the purposes of participating in Load Aggregation, all five parcels are considered contiguous, provided they are otherwise contiguous and all are solely owned, leased or rented by the customer-generator. Refer to the diagram at left (for illustrative purposes only.)



3) PG&E reserves the right to request a parcel map to confirm the property meets the requirements of 2) above; and

4) Customer-Generator agrees to notify PG&E if there is any change of status that makes any of the participating meters ineligible for meter aggregation to ensure that only eligible meters are participating; PG&E will require an updated Appendix and Declaration form; and

5) Upon request by PG&E, I agree to provide documentation that all aggregated meters meet the requirements of Rate Schedule NEM2 Special Condition 6 including but not limited to parcel maps and ownership records.

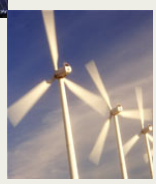
Customer Generator's Name	*Signature*
Date	*Type/Print Name*
	Title

ELECTRIC SAMPLE FORM 79-1142 Sheet 1

NEMV INTERCONNECTION APPLICATION FOR A RENEWABLE ELECTRICAL GENERATION FACILITY OF 1 MEGAWATT OR LESS

Please Refer to Attached Sample Form

Pacific Gas and Electric Company®



NEMV

Interconnection Application for a Renewable Electrical Generation Facility of 1 Megawatt or Less

Please note: This Application does not constitute an application for rebate and/or incentive programs. For more information on these programs, please visit the program website at the links provided below.

- California Solar Initiative (CSI): www.pge.com/csi
- Self-Generation Incentive Program (SGIP): www.pge.com/sgip

Project Identification Number _____ (for PG&E's use only)

Part I – Identifying the Generating Facility's Location and Responsible Parties

A. Applicability and Purpose:

This *NEMV Interconnection Application for a Renewable Electrical Generation Facility of 1 Megawatt or Less* (Application) applies to electric rate schedule *NEMV—Virtual Net Energy Metering For A Multi-Tenant Or Multi-Meter Property Served At The Same Service Delivery Point* for the Owner or designated agent of the Owner (Owner) who interconnects a Renewable Electrical Generation Facility sized no larger than for the energy requirements of all eligible Benefitting Accounts (as defined in Schedule NEMV) of the past year but with a maximum total size of no larger than one megawatt or 1,000 kilowatts (Renewable Electric Generation Facility) that is located at a Single Delivery Point[1] with other individually metered PG&E Benefitting Accounts the will be allocated the benefits of the Renewable Electric Generation Facility as described in NEMV, that meets all the applicability requirements in Schedule NEMV, and that operates in parallel with Pacific Gas and Electric Company's (PG&E) Distribution System.

The purpose of this Application is to allow the Owner to apply for the interconnect the Renewable Electric Generation Facility with PG&E's Distribution System, subject to the provisions of this Application and PG&E's rate schedule NEMV. Owner has elected to interconnect and operate its Renewable Electric Generation Facility in parallel with PG&E's Distribution System, primarily to offset part or all of the NEMV Arrangement's own electrical requirements of the Benefitting Accounts at the affiliated service delivery point as listed in Appendix A. Owner shall comply at all times with this Application as well as with all applicable laws, tariffs and applicable requirements of the Public Utilities Commission of the State of California.

Note: If this application is for a Renewable Electric Generation Facility with a generator type that is solar (PV) and/or wind, please use Application form 79-1131.

B. Guidelines and Steps for Interconnection

This Application and Agreement must be completed and sent to PG&E along with a completed Supplemental Data Collection Form for Net Energy Metered Generating Facilities to initiate PG&E's interconnection review of the proposed Generating Facility.

C. NEM Transition

Customers receiving service on the current NEMV tariff prior to the date that PG&E reaches its NEM Cap or July 1, 2017, whichever is earlier, are subject to the NEM Transition Provisions outlined in Rate Schedule NEM. Please see Rate Schedules NEM and NEMV at https://www.pge.com/tariffs/assets/pdf/tariffbook/ELEC_SCHEDS_NEM.pdf and https://www.pge.com/tariffs/assets/pdf/tariffbook/ELEC_SCHEDS_NEMV.pdf for more details.

[1] Customer-owned line extensions that deliver power to other meters on the same property are not considered separate Service Delivery Points.

D. Description of Service (this Application is being filed for, check all that apply)**:**

- ❑ A New NEMV Renewable Electric Generation Facility interconnection (at an existing service).
- ❑ For Physical/Electrical Changes to an interconnected NEMV Renewable Electric Generation Facility with previous approval by PG&E (adding PV panels, changing inverters, or changing load and/or operations).
- ❑ A New NEMV interconnection in conjunction with a new service. An **Application for Service** must be completed. Additional fees may be required if a service or line extension is required (in accordance with PG&E Electric Rules 15 and 16). Please contact PG&E at 1-800-PGE-5000 (or 1-800-743-5000).
- ❑ A Reallocation of Eligible Energy Generation Credits under NEMV for an Existing Renewable Electric Generation Facility (see Appendix A). For a reallocation, Owner only needs to fill out Part I, sign Part IV, and complete Appendix A with the reallocation for the NEMV accounts.

  Special Condition 6 of Schedule NEMV requires that any Customer with an existing generating facility and meter who enters into a new NEMV Agreement (Form 79-1137) shall complete and submit a copy of form 79-1125 *NEM / NEMV / NEMVMASH Inspection Report* to PG&E, unless the electrical generating facility and meter have been installed and/or inspected within the previous three years.

E. Owner's Renewable Electric Generation Facility Information - Where will the Generating Facility be installed?

Name shown on Owner's PG&E service account (Must Match Owner's Name on PG&E Energy Bill)			
Street Address			
City		State	Zip
Mailing Address			
City		State	Zip
Business Phone	Home Phone	Fax	Email

F. Contractor Information (Must be completed even if Contractor will not serve as a PG&E contact).

Contractor	Company Name	
Mailing Address		
City	State	Zip
Business Phone	Fax	Email

❑ This contractor is to be used as PG&E contact and is authorized by Owner to receive confidential Owner information and act on behalf of Owner with respect to this Application.

G. Other Contact Information (This information is optional).

Contact Person	Company Name	
Mailing Address		
City	State	Zip
Business Phone	Fax	Email

❑ This contact person is to be used as PG&E contact and is authorized by Owner to receive confidential Owner information and act on behalf of Owner with respect to this Application.

By checking the boxes above and signing this Application, Owner authorizes PG&E to release information to the contact(s) named above regarding Owner's usage and billing information, Renewable Electric Generation Facility location, size and operational characteristics as requested in the course of this interconnection process. PG&E is granted permission to share information with authorized recipients for a period of **two years** from the date this Application is received by PG&E. Contact(s) are also authorized to make changes to rates and metering arrangements that may result in charges to Owner. Should Owner wish to select a different authoriziaton period, Owner may utilize the "Authorization to Received Customer Information or Act on a Customr's Behalf", which may be found at:
https://www.pge.com/tariffs/assets/pdf/tariffbook/ELEC_FORMS_79-1095.pdf

In addition, Owner authorizes PG&E to release to the California Energy Commission (CEC) information regarding Owner's facility, including Owner's name and Renewable Electric Generation Facility location, size, and operational characteristics, as requested from time to time pursuant to the CEC's rules and regulations.

Part II – Selecting the Study Process

Please check one:

- ❑ Fast Track Process
- ❑ Detailed Study (not typical)
  - Will be either an Independent Study Process, Distribution Group Study Process or Transmission Cluster Study Process, dependent upon the Electrical Independence Tests.

Part III – Requirements for Interconnection

In submitting this document, I the Owner, understand and agree to the following terms and conditions:

Permission to Interconnect
Owner must not operate their Renewable Electric Generation Facility in parallel with PG&E's Distribution System until they receive written authorization for Parallel Operation from PG&E. Unauthorized Parallel Operation could result in injury to persons and/or damage to equipment and/or property for which the Owner may be liable.

Safe Operation of the Renewable Electric Generation Facility
Notwithstanding any other provision of this Application, if at any time PG&E determines that either (a) the Owner's Facility, or its operation, may endanger PG&E personnel, or (b) the continued operation of the Owner's Facility may endanger the safe and reliable operation of PG&E's electrical system, PG&E shall have the right to disconnect the Facility from PG&E's system. Owner's Facility shall remain disconnected until such time as PG&E is satisfied that the unsafe condition(s) have been corrected.

Interconnections on PG&E's Secondary Network
Applications to interconnect systems located in San Francisco or Oakland may require additional analysis to determine whether or not their proposed installation is on PG&E's networked secondary system. Networked secondary systems are in place to provide heightened levels of reliability in densely populated areas and may affect the ability of PG&E to interconnect NEMV Owner's Renewable Electric Generation Facility. **Please contact Generation Interconnection Services at 415-972-5676 or email gen@pge.com if your proposed installation is in San Francisco where the zip code is 94102, 94103, 94104, 94105, 94107, 94108, 94109, 94111 or 94133 or in Oakland and where the zip code is 94607 or 94612.**

Meter access
Owner's generator output meter and the AC disconnect switch must be installed in a safe, PG&E-accessible location and remain unobstructed by locked gates or pets. Additionally, meter and AC disconnect switch access must be maintained at all times for meter reading and system maintenance. Any animals owned by the Owner or Multifamily residents, including pet dogs, should not have access to these areas to avoid hindering PG&E service personnel, preventing them from completing their work. Customers who currently have generator meters inaccessible from the outside of the building and who choose to place their generator AC disconnect switch near their meter, must place the required generator AC disconnect switch in a location readily accessible to PG&E in order to participate in this program. Should future access problems arise, PG&E reserves the right to terminate service, in accordance with its filed tariffs.

Smart Inverters
For Owner applications received on or after September 9, 2017, the Owner certifies that their inverter-based Generating Facilities fully comply with Section Hh of Rule 21, including configuration of protective settings and default settings, in accordance with the specifications therein.

Distribution Provider may require a field verification of the Owner's inverter. Owner further agrees to cooperate fully with any such request and make their inverter available to the Distribution Provider for such verification. Owner understands that in the event the inverter is not set in accordance with Section Hh of Rule 21, Owner will need to cease operation of generating facility until verification is confirmed by Distribution Provider.

(Solar inverter models and firmware versions that comply with Rule 21 Section Hh can be found athttps://www.energy.ca.gov/programs-and-topics/topics/renewable-energy/solar-equipment-lists.)

Verification of compliance with such requirements shall be provided by the Owner upon request by PG&E in accordance with PG&E's Electric Rule 21.

An "existing inverter" is defined as an inverter that is a component of an existing Generating Facility that meets one or more of the following conditions:

(a) it is already approved by PG&E for interconnection prior to September 9, 2017

(b) the Owner has submitted the interconnection application prior to September 9, 2017,

(c) the Owner provides evidence of having applied for an electrical permit for the Generating Facility installation that is dated prior to September 9, 2017 and submitted a complete interconnection application1[2] no later than March 31, 2018, or

(d) the Owner provides evidence of a final inspection clearance from the governmental authority having jurisdiction over the Generating Facility prior to September 9, 2017.

All "existing inverters" are not required to be Smart Inverters and are only subject to Section H of Rule 21. Owner replacing an "existing inverter" certifies it is being replaced with either:

(i) inverter equipment that complies with Section Hh of Rule 21, (encouraged); or

(ii) a conventional inverter that is of the same size and equivalent ability to that of the inverter being replaced, as allowed in Rule 21 Section H.3.d.ii.

Document and Fee Requirements
Other Documents and/or Fees *may* be required and there may be requirements for interconnection in addition to the above list**,** depending on the specifics of the planned Renewable Electric Generation Facility. Other approvals and/or other agreements may be needed for special PG&E programs or regulatory agency requirements.

Stale Applications
If this Application is still pending two years from its date of submittal and Owner has not met all of the requirements, PG&E will close this application and Owner will be required to submit a new application should Owner wish to take service on Schedule NEMV.

A. Application Package:

[2] A complete application consists all of the following without deficiencies:
1. A completed Interconnection Application including all supporting documents and required payments,
2. A completed signed Interconnection Agreement,
3. Evidence of the Owner final inspection clearance from the governmental authority having jurisdiction over the generating system.

These documents are needed at the time of application to ensure safe and reliable operation of PG&E's Distribution System and to confirm that Owner's interconnection has been performed in accordance with PG&E's tariffs. (Additional forms are available upon request by telephoning 415-972-5676, emailing gen@pge.com, or visiting PG&E's website at www.pge.com/standardnem). **Owners should not delay sending any part of the Application package to PG&E.** As PG&E receives the documentation described in Sections (1) through (5) below, PG&E will begin to process the application.

Required Documents for New Applicants:

1. A completed copy of this **Application, including completed Appendices A, B and C as well as the Supplemental Data Collection Form (see Part I Section B above)**. ***Please note***: the Owner's name (as identified in Part I, Section D) must be the same name as on the PG&E bill. In this Application, Owner will confirm their otherwise-applicable rate schedule (OAS) for all Benefitting accounts in Owner's name as listed in Appendix A – Owners who don't specify an OAS for their Benefitting accounts will be defaulted to Rate Schedule E-1, for residential accounts, A-1 or B-1 for general service accounts (unless required to be on a mandatory rate schedule such as E-19, B-19, E20 or B-20), and AG-1 or AG-A1 for agricultural rates when establishing how Owner's Benefitting Account's monthly usage or net generation will be charged/credited. Owner's-initiated rate changes are governed in accordance with PG&E's Electric Rule 12.

2. A **single-line diagram** showing Owner's actual installation of his/her Renewable Electric Generation Facility. The diagram must include the electrical rating and operating voltages of the significant electrical components such as the service panel, the disconnect switch (if required), inverters, all generators, circuit breakers and other protective devices of the Renewable Electric Generation Facility, the general location of the Owner's loads relative to the Renewable Electric Generation Facility, and the interconnection with PG&E's Distribution System. The diagram must include the following information:

   a. A description and location of the visible, lockable **AC disconnect switch**.

      PG&E requires an Owner to install an AC disconnect switch to facilitate maintenance of the Owner's equipment (i.e. inverter, PV arrays, etc). The AC disconnect switch provides PG&E the ability to isolate the Owner's generator from the NEMV Eligible Renewable Electric Generation Facility and utility's Distribution System.

   b. A description of the specific **inverter**(s), if any, used to control the interconnection between PG&E and the Renewable Electric Generation Facility, including rating, brand name, and model number. Only CEC-certified inverters[3] will pass the requirements for Simplified Interconnection per PG&E's Electric Rule 21. Non-certified units will require further study and may involve additional costs.

   c. A complete description of the **generating equipment Owner plans to install**. The description must include the generator manufacturer name, model number, number of panels, and the nameplate rating. As with the inverters, only CEC-certified equipment will pass the requirements for Simplified Interconnection. (See the PG&E website www.pge.com/gen or the CEC website in footnote below). For generator equipment that is not CEC certified, Applicant may need to provide additional information and/or documentation at PG&E's request.

   d. A description of how the power output from the inverter is connected to the **main service panel via a branch breaker**. The ampere rating of this branch breaker and the main service panel breaker must be compatible with the output rating of the Generating Facility. The output rating is computed based on the total nameplate rating of the inverter.

   e. PG&E requires **a generation output meter**. The description must include the meter manufacturer, model number and type (socket or panel), as well as any other relevant information (e.g., socket, panels, breakers, etc.). If instrument transformers are required, the description should include this information. NEMV customers may be able to combine the generator output meter with an incentive meter. See Schedule NEMV for details and the cost.

3. **Site Diagram** – The site diagram must show the building or buildings at the same Service Delivery Point that will be included as part of the NEMV Arrangement that meets the single Service Delivery Point requirement in the Applicability Section of NEMV, the meter locations, and denote where the Renewable Electric Generation Facility will be located and interconnected.

4. Information regarding any existing **insurance coverage** (liability and/or property) for the Schedule NEMV Generating Facility location:

[3] The CEC's eligible equipment list can be found under the CSI heading at: https://www.energy.ca.gov/programs-and-topics/topics/renewable-energy/solar-equipment-lists

Owner shall meet all applicable safety and performance standards established by the National Electrical Code, the Institute of Electrical and Electronics Engineers, accredited testing laboratories such as Underwriters Laboratories and, where applicable, rules of the California Public Utilities Commission regarding safety and reliability. An Owner with a Renewable Electric Generation Facility that meets those standards and rules shall not be required to install additional controls, perform or pay for additional tests, or purchase additional liability insurance.

- ❑ To the extent that Owner has currently in force property insurance and commercial general liability or personal liability insurance, Owner agrees that it will maintain such insurance in force for the duration of this Application in no less amounts than those currently in effect. Pacific Gas and Electric Company shall have the right to inspect or obtain a copy of the original policy or policies of insurance prior to commencing operation. As long as Owner meets the requirements of this section, Owner shall not be required to purchase any additional liability insurance.
- ❑ I have insurance. I hereby certify that there is presently insurance coverage in the amount of $_____ for the Schedule NEMV Generating Facility location.

  Insuring Company's Name: _____

  Insurance Policy # _____
- ❑ I **do not** have insurance. I hereby certify that there is presently $0 (zero) dollars of insurance for the Schedule NEMV Generating Facility location.

5. A copy of the **final, signed, jurisdictional approval (building permit) for Owner's Generating Facility** from the local government entity with jurisdiction over the Owner's project. **Owner's Application package will not be complete until PG&E receives this document.**
6. Schedule NEMV may include charges where applicable, including but not limited to that in Special Conditions 1 (metering), 2 (one-time set-up or modification charges), and/or 3 (demand credit set-up charges).
7. **Appendix C, Site Assessment Documentation-** as described in the cover sheet for Appendix C.

Internet Application Forms

If this Application has been completed electronically, it may be submitted to PG&E via e-mail or through PG&E's online portal when it becomes available. Copies or forms requiring a signature, attachments or any applicable fees described in Part II must be emailed (with all aforementioned documents scanned and included as attachments) to PG&E at the address noted in Part V Section E, "Notices".

Part IV – General Facility

A. Expected **date** of Project Completion and PG&E Receipt of Final, Signed-Off Building Permit for Generating Facility?

Date: _____

B. Are there any other generators interconnected on this account?

- ❑ Yes

  If yes, specify what kind of generator _____
- ❑ No

C. Are there any possible generator meter access issues?

- ❑ Yes **If yes**, check all that apply:

❑ Locked Room/Gate	❑ Meter located inside of facility/residence
❑ Unrestrained animal at meter or AC disconnect switch location	❑ Other (Please explain) _____

- ❑ No

D. Are any of your accounts on a Demand Response program?

(Qualified Customers are eligible for the same demand response programs and solar tariffs as NEM customers. Demand response payments to Qualified Customers will be based on the Qualified Customer's metered usage disregarding any contributions from virtually net-metered generation. Similarly, any other demand response programmatic elements that are affected by a customer's load (e.g., program eligibility) should also exclude from consideration any impacts of NEMV generation.)

- ❑ Yes
  If yes, what program are you on? _____
- ❑ No.

E. Generator Interconnection Tie-in Point – Does your interconnection satisfy PG&E's Meter Standards (Appendix C of this Application)?

- ❑ Yes
- ❑ No. Reason: _____
  If after review of a customer's NEMV application PG&E determines a site assessment is essential, then PG&E may conduct a site assessment. Please note that entering PG&E sealed sections of their service panels is unsafe and not permitted without PG&E's supervision and express authorization.

F. Are you planning to meet the requirements specified in the PG&E Greenbook (current reference is "VNEM Installation Requirements", Utility Bulletin TD6999B-005, 02/06/2012)?

- ❑ Yes
- ❑ No. Reason: _____

G. Where are you planning to tie in? Can you provide Switchgear cutsheets, detailing the proposed point of connection and bussing modification / clearances, cutsheets of the NGOM socket, to clearly identify proposed tie-in point?

Location: _____

H. Is the currently proposed tie-in point a result of restrictions placed on altering the existing panel or equipment within, as imposed by the local authority having jurisdiction?

- ❑ Yes - What restriction? _____
- ❑ No.

I. Have you confirmed the Ampere Interrupting capacity (AIC) rating of the existing panel?

- ❑ Yes
- ❑ No. Reason: _____

J. Is the account located within a PG&E secondary "network" system?
(Note: PG&E does not allow exporting generators to connect to secondary network systems. Portions of San Francisco and Oakland, where PG&E has a network grid. Customers seeking generator interconnections in San Francisco and Oakland must contact PG&E before beginning any work. See Section II above for more details.)

- ❑ Yes.
- ❑ No.

K. Are there existing PG&E gas or other utility's facilities in the vicinity of the proposed point of interconnection? (Note: Minimum clearances must be maintained from PG&E facilities, as specified in PG&E's Greenbook)

- ❑ Yes - Describe:_____
- ❑ No

.

L. Are you going to require PG&E to arrange to de-energize the service panel for you to safely connect the generator to the service panel?

(**Note:** that the de-energizing process may be as simple as a PG&E Troubleman opening a switch, or as involved as a PG&E crew performing switching, and rearrangement of service wires, and coordinating with neighboring customers that might be impacted by this de-energizing project. **PG&E requires ten (10) business days advance notice prior to performing such a request.)**

- ❑ Yes - Describe:_____
- ❑ No.

M. Can this de-energizing of the service panel be done during normal business hours?

- ❑ Yes
- ❑ No. If not, what time of the week and time of the day do you request this service disconnection to occur?

Mon Tues Wed Thu Fri Sat Sun (circle day of week) ____:_____AM / PM___ (enter time & circle AM or PM)

Note: The time of de-energizing the service panel will also depend on whether other customers are impacted and their input to the process.

N. What is the duration of the service disconnection requested?

Duration _____

O. Do you need PG&E personnel to stand by while you perform your work?

- ❑ Yes
- ❑ No

P. Will you need to obtain clearance from the local authority having jurisdiction prior to PG&E re-energizing the service panel?

(Note: Some cities/counties require that they have inspected the panel prior to reenergizing. You will need to provide proof of the local authority that your work will not require such approval, or be prepared to provide that to PG&E prior to PG&E re-energizing the panel.)

- ❑ Yes
- ❑ No

Part V – Description of the Generating Facilities *Use additional sheets, if necessary.*

A. AC Disconnect Switch (see Part II, Section A.2.a above for policy on disconnect switches)
List the AC disconnect switch that will be used at this Generating Facility.

Disconnect Switch Manufacturer	Disconnect Switch Model Number	Disconnect Switch Rating (amps)

B. Generating Equipment
List all the equipment that will be interconnected to PG&E for this NEMV Arrangement:

1. Generation Equipment Detailed Description

NEMV Type of Generation Equipment - Table B.1 (see row 2 below)		
1. biomass	2. geothermal	3. municipal solid waste
4. solar thermal	5. fuel cell	6. landfill gas
7. small hydroelectric generation	8. ocean wave	9. digester gas
10. ocean thermal	11. tidal current	

Generating Equipment Description - Table B.2						
		Generator type 1	**Generator Type 2**	**Generator Type 3**	**Generator Type 4**	**Generator Type 5**
a	Is the Generator new or existing	__ New __ Existing	__ New __ Existing	__ New __ Existing	__ New __ Existing	__ New __ Existing
b	Number of Type of NEMV generation (from Table B.1)					
c	Please indicate the quantity of each “type” of Generators being installed:					
d	Generator Manufacturer					
e	Generator Model					
f	Is the Generator CEC certified?	____ Yes ____ No	____ Yes ____ No	____ Yes ____ No	____ Yes ____ No	____ Yes ____ No
g	Generator Design	__ Synchronous __ Induction __ Inverter	__ Synchronous __ Induction __ Inverter	__ Synchronous __ Induction __ Inverter	__ Synchronous __ Induction __ Inverter	__ Synchronous __ Induction __ Inverter
h	Generator Gross Nameplate Rating					
i	Generator Operating Voltage					
j	Inverter (if any) Manufacturer					
k	Inverter (if any) Model					
l	Is the Inverter (if any) CEC certified?	____ Yes ____ No	____ Yes ____ No	____ Yes ____ No	____ Yes ____ No	____ Yes ____ No
m	Inverter (if any) Gross Nameplate Rating					
n	Inverter (if any) Generator Operating Voltage					
o	Power Factor rating (if applicable)					
p	PF Adjustment Range (if applicable)					

2. Generator Account’s otherwise-applicable rate schedule under the provisions of Schedule NEMV will be _____.

3. If the date of the permits allowing the Customer-Generator to commence construction of the Generating Facility is prior to January 1, 2003, please provide the date the permits were issued: _____.

4. The expected annual energy production of the Generating Facility is _____ kWh.

C. Service Panel Short Circuit Interrupting Rating

For systems larger than 10 kW, what is the short circuit interrupting rating (SCIR) rating of the service panel connected to this generating facility? _____

D. Maximum 3-Phase Fault Current Contribution

What is the maximum 3-phase fault current that will be contributed by the Generating Facility to a 3-phase fault at the Point of Common Coupling (PCC)? (If the Generating Facility is single phase in design, please provide the contribution for a line-to-line fault). _____ Amps

E. Notices - Mailing Instructions and Assistance:

When this Application has been completed it should be e-mailed, along with the required attachments, to the email address below. Any applicable fee payments shall be mailed to:

Payment USPS Mail	Payment Overnight Mail
USPS Mail: PG&E CFM/PPC Department P.O. Box 997340 Sacramento, CA 95899-7340	Overnight Mail: PG&E Customer Fund Management Payment Processing Center 885 Embarcadero Drive West Sacramento, CA 95605

Phone calls and questions may be directed to the Generation Interconnection Services' hotline at: 415-972-5676 or an electronic application may be submitted to NEMVGen@pge.com

F. Governing Law

This Application shall be interpreted, governed, and construed under the laws of the State of California as if executed and to be performed wholly within the State of California.

G. Term of Application

After receipt of all applicable fees, required documents, and this completed Application, this Application shall become effective on the date of PG&E issues the permission to operate letter. This Application shall continue in full force and effect until terminated by either Party providing 30-days prior written notice to the other Party, or when a new Owner takes service with PG&E operating this approved generating facility. This new Owner will be interconnected subject to the terms and conditions as set forth in Schedule NEMV.

H. Governing Authority

This contract shall at all times be subject to such changes or modification by the Public Utilities Commission of the State of California as said Commission may, from time to time, direct in the exercise of its jurisdiction.

I. Appendix A, Appendix B and Appendix C

Attached to this Application are:

- *Appendix A - Designation of NEMV Generating Account and Benefitting Accounts and their respective Eligible Energy Credit Allocation*
- *Appendix B –Owner Affidavit Warranting That NEMV Arrangement Is Sized to Load;* and
- *Appendix C – Generator Interconnection Tie-in Point Documentation*

Owner Name (Please Print): _____

(Signature): _____ Date:_____

Title: _____

A copy of this signed Application should be retained with the "Permission to Operate" letter to confirm project approval.

Appendix A – Designation of NEMV Generating Account and Benefitting Accounts and their respective Eligible Energy Credit Allocation

Project Identification Number _____ (for PG&E's use only)

Section 1 Instructions

1) Complete the section below (this information must match the Owner information on the attached Application).

Owner Name	Address	Date

2) Is this an application to establishing the Annual Eligible Energy Credit Allocation for a new NEMV Arrangement or for a change to the Allocation for an existing NEMV facility, as described in either NEMV Special Condition 2 or 3(g)?

- ❑ This application is for an allocation for the initial, new NEMV Arrangement
- ❑ This application is for a reallocation for an existing NEMV Arrangement:

3) Please use the attached Appendix A, Section 2 page to list all Benefitting Accounts in the Arrangement that will be taking service on NEMV. Alternatively, an Applicant may fill out the table below in a digital format (i.e. spreadsheet) and supply that along with the application and agreement to Rule21gen@pge.com. The Benefitting Accounts must be associated with the same Generator Account and all must satisfy the applicable Service Delivery Point requirements in the NEMV Applicability Section to be Eligible for Schedule NEMV.

Please note for each row:

- **Account Type** – (required) – The Generator Account row should be completed for the pertinent information for each column indicated; the Benefitting Account rows should be complete for the pertinent information for each column indicated. If there are more Benefitting Accounts than will fit on one page please use additional sheets as required and number pages accordingly.
- **Account Address – (**required) -- Provide an address, including unit / apartment number, for all Accounts (for the Generator Account you may use the street address of the building upon which the generator will be installed).
- **Occupant's / Owner's Name** – (required) - For the Generator Account enter the Owner's name; for all Benefitting accounts enter the name of the occupant or PG&E customer name for that location.
- **PG&E Meter Number – (**required) **-** Enter the PG&E Meter Numbers for the all benefitting accounts.
- **Otherwise Applicable Rate Schedule** – required -- Enter the PG&E Otherwise Applicable Rate Schedule (OAS) for the Generator Account and all Benefitting Accounts.
- **Eligible Allocation Percentage – (**required) -- For each Benefitting Account listed, enter the Eligible Allocation Percentage to two decimal places. The Eligible Energy Allocation Percentage for each Benefitting Account should be established so that the annual kilowatt hours allocated offsets no more than part or all of the customer's own annual electrical requirements. The total of all Benefitting Account Eligible Allocation Percentages in Appendix A for this NEMV Arrangement must equal exactly 100%. If Owner is changing the Eligible Allocation Percentage on an existing NEMV Arrangement, please list all allocations to confirm they add up to 100% and **circle** the changed allocations.
- **Designated Unallocated Credit Account** "system operator/qualified customer" has the option to designate the disposition of unallocated credits to either: the Common Area Account, or one Benefiting Account. In the NEMV tariff this is referred to as the "Default Account."
- **Appendix A, Section 2 Page Numbers –** In the space provided on the bottom of each page, please mark the page number and total number of pages for your Appendix A, Section 2 Account List. (Start with Page 1 and do not count the page numbers for this instruction page). Also indicate on one of the pages if the allocation is for a new Arrangement, or an existing Arrangement.

If Owner would like billing data from a Benefiting Account in order to verify the credit allocation they need the Benefitting Account customer's consent. To facilitate this process, here is a link to the: https://www.pge.com/tariffs/assets/pdf/tariffbook/ELEC_FORMS_79-1095.pdf that would need to be submitted to PG&E prior to release of the Benefitting Account customer's billing data to the Owner.

Section 2

Account Type	**Account Address** *(required field)* **(for Generator Account use street address for building with generator account)**	**Occupant's Name,** *(Required field)* **(Generator Accounts *should be under the Owner's Name* Please use name listed on PG&E Account bill)**	**PG&E Meter Number** *(Required field)*	**Otherwise Applicable Rate Schedule** *(Required field)*	**Eligible Allocation Percentage** (*required* – to 2 decimal places, the sum of all Benefitting Account Allocation must total 100%. For changes to Existing NEMV Arrangements, list all percentages but circle all changed percentages)	**Designated Unallocated Credit Account** (optional – check one Common Area or Benefiting Account to receive unallocated credits)
Generator Account						
Benefitting Accounts						
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						
16						
17						

Project Identification Number _____ (for PG&E's use only) Account List - Appendix A, Section 2 Page _____ of _____

Is this a reallocation of an existing NEMV Arrangement? __ Yes ___ N

Appendix B – Owner Affidavit Warranting That NEMV Arrangement Is Sized to Load

Project Identification Number _____
(for PG&E's use only)

Address of Generator _____

_____

In accordance with Schedule NEMV, I, Owner warrant that:

1) the Generator Account associated with this NEMV Application is sized to offset no more than part or all of the annual usage (kWh) requirements of all the Benefitting Accounts in this NEMV Arrangement, and

2) the Eligible Allocation Percentage established for <u>each</u> Benefitting Account in Appendix A is sized to offset no more than part or all or the annual usage (kWh) requirement for that specific Benefitting Account.

Signed, _____, Owner, on date: _____

Owner's Name (printed) _____

Please complete this agreement in its entirety

Appendix C – Generator Interconnection Point Documentation

[PG&E to attach current copy or web link providing PG&E's standards and requirements for Virtual Net Metering and PG&E GIS contact information when sending this form to Applicant.]

Applicant attaches the following Documentation:

- the single line diagram to illustrate connection with the selected option provided in the Metering Standard
- the switchgear, switchboard, or main panel cut-sheets/shop drawings detailing the bussing, any modifications, clearances, and proposed point of interconnection. The proposal must include a signed PE stamp and modifications must be certified by the manufacturer or a qualified third party
- pictures of the point of interconnection (see safety "Note" below)
- the meter socket cut-sheets of the net generation output meter socket
- additional material as specified by PG&E

Note: If after review of a customer's NEMV application PG&E determines a site assessment is needed, then PG&E may conduct a site assessment. Owners are reminded that entering PG&E sealed sections of their service panels is unsafe and not permitted without PG&E's supervision and express authorization.

Electric Sample Form 79-1145 Sheet 1
Rule 21 Exporting Generator
Interconnection Request

Please Refer to Attached
Sample Form

PG&E'S RULE 21
EXPORTING GENERATOR INTERCONNECTION REQUEST

1. The undersigned Applicant submits this request to interconnect its Generating Facility with the Pacific Gas and Electric Company (PG&E or Distribution Provider) Distribution System pursuant to Rule 21 (check only one):
   - ☐ Detailed Study Process
   - ☐ Fast Track Process

2. This Interconnection Request is for (check only one):
   - ☐ A proposed new Generating Facility.
   - ☐ An increase in the generating capacity or a Material Modification of an existing Generating Facility.

3. Applicant provides the following information:

   a. Address (to the extent known) or location, including the county, of the proposed new Generating Facility site or, in the case of an existing Generating Facility, the name and specific location, including the county, of the existing Generating Facility;

      Project Name:

      Project Location:
      Street Address:
      City, State:
      County:
      Zip Code:
      GPS Coordinates:

   b. Maximum net megawatt electrical output (as defined by section 2.c. of Attachment A to this appendix) of the proposed new Generating Facility or the amount of net megawatt increase in the generating capacity of an existing Generating Facility;

      Maximum net megawatt electrical output (MW): _____ or
      Net Megawatt increase (MW): _____

   c. Type of project (i.e., gas turbine, hydro, wind, etc.) and general description of the equipment configuration (if more than one type is chosen, include net MW for each);

      ___ Cogeneration _____ MW
      ___ Reciprocating Engine _____ MW
      ___ Biomass _____ MW

___ Steam Turbine _____ MW
___ Gas Turbine _____ MW
___ Wind _____ MW
___ Hydro _____ MW
___ Inverter Based: (e.g., Photovoltaic, Fuel Cell) _____ MW
If Fuel Cell, please describe primary fuel source:
___ Combined Cycle _____ MW
___ Other (please describe):_____

d. Proposed In-Service Date, and Other Key Dates (Day/Month/Year) (Dates must be sequential)

Proposed In-Service Date: / /
Proposed Trial Operation Date: / /
Proposed Commercial Operation Date: / /
Proposed Term of Service (years): _____

e. Name, address, telephone number, and e-mail address of Applicant (primary person who will be contacted);

Name:
Title:
Company Name:
Street Address:
City, State:
Zip Code:
Phone Number:
Fax Number:
Email Address:

f. Approximate location of the proposed Point of Interconnection (i.e., specify distribution facility interconnection point name, voltage level, and the location of interconnection);

g. Applicant Data (set forth in Attachment A)

The Applicant shall provide to the Distribution Provider the technical data called for in Attachment A.

h. AC Disconnect Switch. List the AC disconnect switch that will be used at this Generating Facility (enter "N/A" if not applicable)

Disconnect Switch Manufacturer: _____
Disconnect Switch Model Number: _____
Disconnect Switch Rating (amps): _____

4. Application Fee and Detailed Study Deposit as specified in Rule 21 is required to complete this application. Upon receipt of this Interconnection Request and Attachment A, PG&E will send a separate invoice for the applicable fee or deposit. **PLEASE DO NOT INCLUDE ANY CHECKS/MONIES WITH THIS INTERCONNECTION REQUEST**. (Any checks/monies submitted with this IR will be returned to the sender and may result in a delay in the application process.)

5. Attach evidence of Site Exclusivity as specified in Rule 21 Section E.2.d as applicable, and name(s), address(es) and contact information of site owner(s).

6. **Interconnection Request Instructions:** Complete this interconnection request and enter this information into PG&E's web-based form. (PG&E strongly recommends preparing all information and materials before starting the online interconnection request.) The online web-based from can be found at:
https://www.pge.com/en_US/large-business/services/alternatives-to-pge/electric-generation-interconnection.page

Questions concerning PG&E's online interconnection request process can be directed to the Electric Generation Interconnection Department at **rule21gen@pge.com**..

7 Representative of Applicant to contact:

[To be completed by Applicant]
Name:
Title:
Company Name:
Street Address:
City, State:
Zip Code:
Phone Number:
Fax Number:
Email Address:

8. If the Applicant also requires new Distribution Service, the Distribution Provider will coordinate these efforts with this application. The Applicant must also complete a PG&E

Application for Service. Additional fees may be required if a service or line extension is required (in accordance with PG&E Electric Rules 15 and 16). Please contact PG&E's Building and Renovation Services Center (BRSC): 1-800-743-7782 to initiate the application for the new Distribution Service. Additional information will be required in conjunction with an application for new Distribution Service.

9. Applicant should be aware that if Applicant has not yet received Rule 21 Screen Q results from PG&E by March 15 following submittal of this IR, Applicant will need to submit, if Applicant voluntarily chooses to do so, an Interconnection Request under PG&E's FERC Wholesale Distribution Tariff (WDT) by the close of the CAISO cluster application window(refer to http://www.caiso.com/docs/2002/06/11/20020611103004272l4.html for the exact date) in order to participate in the Transmission Cluster Study for the year. An application under WDT will not impact the results of this Rule 21 study.

10. This agreement at all times shall be subject to such modifications as the California Public Utilities Commission may direct from time to time in the exercise of its jurisdiction.

11. This Interconnection Request is submitted by:

Legal name of Applicant: _____

By (signature): _____

Name (type or print): _____

Title: _____

Date: _____

Attachment A to PG&E Rule 21 Exporting Generator Interconnection Request

GENERATING FACILITY DATA

Each Applicant will complete Sections 1 and 2 of this Attachment A.
Each Applicant will complete the applicable data in Sections 3 through 6 of this Attachment A based on the type of generating facility(ies) requesting interconnection. (Section 3 for synchronous generators, Section 4 for induction generators, Section 5 for wind turbine generators, and Section 6 for inverter-based generators).
Each Applicant will complete Sections 7 through 10, as applicable.
At any time, Distribution Provider may require Applicant to provide additional technical data, or additional documentation supporting the technical data provided, as deemed necessary by the Distribution Provider to perform Interconnection Studies, other studies, or evaluations as set forth under Rule 21.

1. Provide electronic copies of the following:

A. Site drawing to scale, showing generator location and Point of Interconnection with the Distribution Provider's Distribution System.
B. Single-line diagram showing applicable equipment such as generating units, step-up transformers, auxiliary transformers, switches/disconnects of the proposed interconnection, including the required protection devices and circuit breakers. For wind and photovoltaic generator projects, the one line diagram should include the distribution lines connecting the various groups of generating units, the generator capacitor banks, the step up transformers, the distribution lines, and the substation transformers and capacitor banks at the Point of Interconnection with the Distribution Provider's Distribution System. This one-line drawing must be signed and stamped by a licensed Professional Engineer if the Generating Facility is larger than 50 kW.
C. AC and DC schematics if available. Required for detailed study process.
D. Description of operations.

Note: Electronic processing is preferred, however, if submitting via U.S. mail, provide one original print of items in A through D, above.

2. Generating Facility General Information:

A. Total Generating Facility rated output (MW): _____
B. Generating Facility auxiliary Load (MW): _____
C. Project net capacity (MW): _____
D. Standby Load when Generating Facility is off-line (MW): _____
E. Number of Generating Units: _____
(Please repeat the following items for each generator)
F. Individual generator rated output (MW for each unit): _____
G. Type (induction, synchronous, D.C. with inverter): _____
H. Phase (3 phase or single phase): _____

3. Synchronous Generator –Information:

3A Generator Information:
(Please repeat the following for each generator)

A. Manufacturer: _____
B. Year Manufactured: _____
C. Rated Generator speed (rpm):_____
D. Rated MVA: _____
E. Rated Terminal Voltage (kV): _____
F. Rated Generator Power Factor Range: _____
G. Generator Efficiency at Rated Load (%): _____
H. Moment of Inertia (including prime mover): _____
I. Inertia Time Constant (on machine base) H: _____ sec or MJ/MVA
J. SCR (Short-Circuit Ratio - the ratio of the field current required for rated open-circuit voltage to the field current required for rated short-circuit current): _____
K. Please attach generator reactive capability curves.
L. Rated Hydrogen Cooling Pressure in psig (Steam Units only): _____
M. Please attach a plot of generator terminal voltage versus field current that shows the air gap line, the open-circuit saturation curve, and the saturation curve at full load and rated power factor.

3B Excitation System Information:
(Please repeat the following for each generator)

A. Indicate the Manufacturer _____ and Type _____of excitation system used for the generator. For exciter type, please choose from 1 to 9 below or describe the specific excitation system.
   (1) Rotating DC commutator exciter with continuously acting regulator. The regulator power source is independent of the generator terminal voltage and current.
   (2) Rotating DC commentator exciter with continuously acting regulator. The regulator power source is bus fed from the generator terminal voltage.
   (3) Rotating DC commutator exciter with non-continuously acting regulator (i.e., regulator adjustments are made in discrete increments).
   (4) Rotating AC Alternator Exciter with non-controlled (diode) rectifiers. The regulator power source is independent of the generator terminal voltage and current (not bus-fed).

(5) Rotating AC Alternator Exciter with controlled (thyristor) rectifiers. The regulator power source is fed from the exciter output voltage.
(6) Rotating AC Alternator Exciter with controlled (thyristor) rectifiers.
(7) Static Exciter with controlled (thyristor) rectifiers. The regulator power source is bus-fed from the generator terminal voltage.
(8) Static Exciter with controlled (thyristor) rectifiers. The regulator power source is bus-fed from a combination of generator terminal voltage and current (compound-source controlled rectifiers system.
(9) Other (specify): _____

B. Attach a copy of the block diagram of the excitation system from its instruction manual. The diagram should show the input, output, and all feedback loops of the excitation system.
C. Excitation system response ratio (ASA): _____
D. Full load rated exciter output voltage: _____
E. Maximum exciter output voltage (ceiling voltage): _____
F. Other comments regarding the excitation system? _____
_____

3C Turbine-Governor Information:
(Please repeat the following for each generator)

Please complete Part A for steam, gas or combined-cycle turbines, Part B for hydro turbines, and Part C for both.

A. Steam, gas or combined-cycle turbines:

(1) List type of unit (Steam, Gas, or Combined-cycle):_____
(2) If steam or combined-cycle, does the turbine system have a reheat process (i.e., both high and low pressure turbines)? _____
(3) If steam with reheat process, or if combined-cycle, indicate in the space provided, the percent of full load power produced by each turbine:
Low pressure turbine or gas turbine: _____%
High pressure turbine or steam turbine: _____%
(4) For combined cycle plants, specify the plant net output capacity (MW) for an outage of the steam turbine or an outage of a single combustion turbine: _____

B. Hydro turbines:

(1) Turbine efficiency at rated load: _____%
(2) Length of penstock: _____ft

(3) Average cross-sectional area of the penstock: _____ft2
(4) Typical maximum head (vertical distance from the bottom of the penstock, at the gate, to the water level): _____ft
(5) Is the water supply run-of-the-river or reservoir: _____
(6) Water flow rate at the typical maximum head: _____ft^3/sec
(7) Average energy rate: _____kW-hrs/acre-ft
(8) Estimated yearly energy production: _____kW-hrs

C. Complete this section for each machine, independent of the turbine type.

(1) Turbine manufacturer: _____
(2) Maximum turbine power output: _____MW
(3) Minimum turbine power output (while on line): _____MW
(4) Governor information:
(a) Droop setting (speed regulation): _____
(b) Is the governor mechanical-hydraulic or electro-hydraulic (Electro-hydraulic governors have an electronic speed sensor and transducer.)? _____
(c) Other comments regarding the turbine governor system?
_____
_____
_____
_____

3D Short Circuit Duty Information:
For each generator, provide the following reactances expressed in p.u. on the generator base:

- Xd – Direct Axis Synchronous Reactance: _____ p.u.
- X'd – Direct Axis Transient Reactance: _____ p.u.
- X"d – Direct Axis Subtransient Reactance: _____ p.u.
- X2 – Negative Sequence Reactance: _____ p.u.
- X0 – Zero Sequence Reactance: _____ p.u.

Generator Grounding (select one for each model):

A. _____ Solidly grounded
B. _____ Grounded through an impedance
(Impedance value in p.u. on generator base. R:_____p.u.
X: _____p.u.)
C. _____ Ungrounded

4. Induction Generator Information:

(Please repeat the following for each generator)

A. Motoring Power (kW): _____
B. I_2^2t or K (Heating Time Constant): _____
C. Rotor Resistance, Rr: _____
D. Stator Resistance, Rs: _____
E. Stator Reactance, Xs: _____
F. Rotor Reactance, Xr: _____
G. Magnetizing Reactance, Xm: _____
H. Short Circuit Reactance, Xd": _____
I. Exciting Current: _____
J. Temperature Rise: _____
K. Frame Size: _____
L. Design Letter: _____
M. Reactive Power Required In Vars (No Load): _____
N. Reactive Power Required In Vars (Full Load): _____
O. Total Rotating Inertia, H: _____ Per Unit on kVA Base

5. Wind Turbine Generator (WTG) Information:

(Proposed projects may include one or more WTG types. Please repeat the following for each type of WTG).

A. WTG Manufacturer and Model: _____
B. Number of WTGs: _____
C. WTG Type (check one):
_____ Type 1 (Squirrel-cage induction generator)
_____ Type 2 (Wound rotor induction machine with variable rotor resistance)
_____ Type 3 (Doubly-fed asynchronous generator)
_____ Type 4 (Full converter interface)
D. Nameplate Rating (each WTG): _____/_____ kW/kVA
E. Rated Terminal Voltage: _____ kV
F. For Type 1 or Type 2 WTGs:
(1) uncompensated power factor at full load: _____
(2) power factor correction capacitors at full load: _____MVAR
(3) number of shunt stages and size: _____
(4) Please attach capability curve describing reactive power or power factor range from no output to full rated output, including the effect of shunt compensation
G. For Type 3 or Type 4 WTGs:
(1) Maximum under-excited power factor at full load: _____
(2) Maximum over-excited power factor at full load: _____
(3) Control mode: _____ (voltage control, fixed power factor)
(4) Please attach capability curve describing reactive power or power factor range from no output to full rated output

H. Short Circuit Characteristics: Applicant to provide technical data related to the short circuit characteristics of proposed WTGs for short circuit duty study modeling purposes. For example, the applicant can provide manufacturer short circuit test data showing faulted condition for three phase and single-line-to-ground fault.

Distribution Provider may require testing verification of voltage and harmonic performance during commissioning test of WTG based generation projects.

6. Inverter Based Generation Systems Information:

Proposed inverter based generation projects may include one or more types of inverters. Please provide answers to the following for each type of inverter.

A. Inverter Manufacturer and Model: _____
B. Number of Inverters: _____
C. Nameplate Rating (AC, each inverter): _____/_____ kW
D. Nameplate Voltage Rating (AC): _____ kV
E. Maximum AC line current: _____ Amps
F. Nameplate Power Factor Rating (AC): _____
G. Please attach capability curve describing reactive power or power factor range from no output to full rated output
H. Inverter control mode (e.g. voltage, power factor, reactive power): _____
I. Short Circuit Characteristics: Applicant to provide technical data related to the short circuit characteristics of proposed inverter based generation systems. For example, the applicant can provide a sinusoidal waveform test data showing faulted condition at the AC side of the inverter for a three phase and single-line-to-ground fault.
J. Harmonics Characteristics:
   (1) Inverter switching frequency: _____
   (2) Harmonic characteristics for each unit up to switching frequency: _____
   (3) Harmonic characteristics for aggregate generation facility: _____
K. Inverter disconnection characteristics: Applicant to provide voltage sinusoidal waveform test data which shows the voltage characteristics during disconnection of inverter system from distribution system at 100% and at 50% of rated output.

Distribution Provider may require testing verification of voltage and harmonic performance during commissioning test of the inverter based generation systems.

7. Step-Up Transformer Data:

For each step-up transformer (e.g. main step-up transformers, padmount transformers), fill out the data form provided in Table 1.

8. Plant-Level Reactive Power Compensation Data:
Provide the following information for plant-level reactive power compensation, if applicable:

A. Number of individual shunt capacitor banks: _____
B. Individual shunt capacitor bank rated voltage (kV): _____
C. Individual shunt capacitor bank size (kVAR at rated voltage): _____
D. Planned dynamic reactive control devices (SVC, STATCOM): _____
E. Control range: _____ kVAR (lead) _____ kVAR (lag)
F. Control mode (e.g. voltage, power factor, reactive power): _____
G. Please provide the overall plant reactive power control strategy

9. Load Flow and Dynamic Models:
Only provide data in this section when requested by the Distribution Provider.

The WECC Data Preparation Manual for Power Flow Base Cases and Dynamic Stability Data has established power flow and dynamic modeling requirements for generation projects in WECC base cases. In general, if the aggregate sum of generation on a bus exceeds 10 MVA, it should not be netted. Furthermore, the total netted generation in an area should not exceed five percent of the area's total generation. Based on current WECC modeling requirements, the following information will be required for all generation projects whose net capacity is greater than 10 MVA. The following information may also be required for generation projects less than 10 MVA on a case-by-case basis, based on the amount of generation in the area of the requested Point of Interconnection.

A. Provide load flow model for the generating plant and its interconnection facilities in GE PSLF *.epc format, including new buses, generators, transformers, interconnection facilities. An equivalent model is required for the plant with generation collector systems. This data should reflect the technical data provided in this Attachment A.

B. For each generator, governor, exciter, power system stabilizer, WTG, or inverter based generator, select the appropriate dynamic models from the General Electric PSLF Program Manual and provide the required input data. Include any user written *.p EPCL files to simulate inverter based plants' dynamic responses (typically needed for inverter based PV/wind plants). Provide a completed *.dyd file that contains the information specified in this section.

The GE PSLF manual is available upon request from GE. There are links within the GE PSLF User's Manual to detailed descriptions of specific models, a definition of each parameter, a list of the output channels, explanatory notes, and a control system block diagram. In addition, GE PSLF modeling information and various modeling guidelines

documents have been prepared by the WECC Modeling and Validation Work Group. This information is available on the WECC website (www.wecc.biz).

If you require assistance in developing the models, we suggest you contact General Electric. Accurate models are important to obtain accurate study results. Costs associated with any changes in facility requirements that are due to differences between model data provided by the generation developer and the actual generator test data, may be the responsibility of the generation developer.

TABLE 1

TRANSFORMER DATA
(Provide for each level of transformation)

UNIT_____

NUMBER OF TRANSFORMERS_____ PHASE _____

RATING	H Winding	X Winding	Y Winding
Rated MVA	_____	_____	_____
Connection (Delta, Wye, Gnd.)	_____	_____	_____
Cooling Type (OA,OA/FA, etc.) :	_____	_____	_____
Temperature Rise Rating	_____	_____	_____
Rated Voltage	_____	_____	_____
BIL	_____	_____	_____
Available Taps (% of rating)	_____	_____	_____
Load Tap Changer? (Y or N)	_____	_____	_____
Tap Settings	_____	_____	_____
IMPEDANCE	H-X	H-Y	X-Y
Percent	_____	_____	_____
MVA Base	_____	_____	_____
Tested Taps	_____	_____	_____
WINDING RESISTANCE	H	X	Y
Ohms	_____	_____	_____

CURRENT TRANSFORMER RATIOS

H_____ X_____ Y_____ N_____

PERCENT EXCITING CURRENT 100 % Voltage; _____ 110% Voltage_____

Supply copy of nameplate and manufacturer's test report when available.

Electric Sample Form No. 79-1148 Sheet 1
Direct Access Customer Replacement Declaration

Please Refer to Attached Sample Form

Pacific Gas and Electric Company

DIRECT ACCESS CUSTOMER REPLACEMENT DECLARATION

I, _____, state as follows:

1. I am an authorized representative of _____ ("Customer") and I am authorized to make this declaration.

2. I have personal knowledge of the matters set forth herein and if called upon as a witness could and would testify competently thereto.

3. Customer has entered into an agreement for electric power service (Agreement) with the following ESP, _____ .

4. Customer seeks to refurbish, reconstruct or remodel facilities at the Current Location, as noted below, and continue to serves these facilities under direct access at the Current Location. This replacement is in the normal course of business. "Current Location" means one existing customer site where the electric load of one customer service account is currently being served under direct access.

   Current Location Information (Service Accounts listed by PG&E Service Agreement Number):

   Name on Account: _____
   Current Service Agreement Number: _____
   New Service Agreement Number: _____
   Service Address: _____
   City, State, ZIP: _____
   Meter Number: _____

5. Customer understands that a DASR must be submitted within sixty (60) days of acceptance of this notice by PG&E, or establishment of electric service for the New Service Account, whichever occurs last, for this replacement to be valid.

6. Customer agrees to maintain, and make available to the California Public Utilities Commission (CPUC) upon request, all records associated with its electricity service and consumption at Current Location, including, but not limited to, the applicable meter and account numbers, and the associated direct access load.

7. Customer agrees, by signing this Declaration, to authorize PG&E to share this information with the ESP named in Condition 3 above.

8. I understand that this form at all times shall be subject to such modifications as the California Public Utilities Commission may direct from time to time in the exercise of its jurisdiction.

I declare under penalty of perjury under the laws of the State Of California that the foregoing is true and correct. Executed this _____ day of _____ , _____ at _____ , _____ [City, State]

Signature: _____
Authorized Representative of New Customer

Title: _____

Date: _____

This document may be submitted by email, however PG&E reserves the right to request the original signature documents if needed.

Electric Sample Form No. 79-1151A-02 Sheet 1

Agreement And Customer Authorization Net Energy Metering (NEM2)
Internconnection For Solar And/Or Wind Electric Generating Facilities Of 30 Kilowatts Or Less

Please Refer to Attached Sample Form

AGREEMENT AND CUSTOMER AUTHORIZATION
Net Energy Metering (NEM2) Interconnection For Solar And/Or Wind Electric Generating Facilities Of 30 Kilowatts Or Less

IMPORTANT NOTES:

- Customers may not operate their Generating Facility while interconnected to the PG&E system until they receive written permission from PG&E.
- City and County of San Francisco ("CCSF") owned generating facilities seeking Schedule NEMCCSF or participants in the Demand Response Programs below are not eligible to participate in NEM2.
  - ○ Peak Day Pricing (PDP)
  - ○ Scheduled Load Reduction Program (SLRP)
  - ○ SmartRate
- Customers who participate in Direct Access and Community Choice Aggregation must contact their Energy Service Provider directly regarding their NEM2 program.

Part I – Generating Facility Information and Responsible Parties

A. Customer and Generating Facility Information (*as it appears on the PG&E bill):

Standard NEM2 Agreement Type: ❑ Single Account ❑ Multiple Aggregated Accounts

Note: Net Energy Metering Aggregation 2 (NEM2A) is a program that allows customers with multiple meters to use the renewable energy generated at one meter to be credited against other meters that are located on parcel(s) that is/are contiguous or adjacent to the parcel that has the renewable generator.

Customer Sector (check only one):
❑ Residential ❑ Educational
❑ Commercial ❑ Military
❑ Industrial ❑ Other Government
❑ Non-Profit

Account Holder Name* (Individual or Company) _____ Electric Service Agreement ID * _____ Meter Number* _____

Service Address* _____ City* _____ CA State _____ Zip* _____

Customer Phone Number _____ Email (if blank, Permission to Operate (PTO) letter will be mailed to mailing address on record) _____

Is there an electric vehicle charging on site at the above service address? ❑ Yes ❑ No
If yes, please indicate how many electric vehicles _____

B. Meter Access Issues (if applicable, check all that apply and provide contact information to request access):

❑ Meter in building or behind locked gate ❑ Unrestrained animal at meter or AC Disconnect Switch ❑ Other: _____

Contact Name to Request Access (if access issues exist) _____ Contact Phone _____

C. Authorized Contact Information (required if Customer is authorizing a third party to act on Customer's behalf):

Company Name _____ Contact Person _____

Contact Phone Number _____ Email _____

AGREEMENT AND CUSTOMER AUTHORIZATION
Net Energy Metering (NEM2) Interconnection For Solar And/Or Wind Electric Generating Facilities Of 30 Kilowatts Or Less

❑ **By checking this box and signing this Agreement, I (Customer) authorize PG&E to release my PG&E Electric Account information to the Company above limited to kilowatt hour (kWh) usage, operational characteristics, and other information related to my Generating Facility application. Company is also authorized to submit Application Form 79-1151-02B and act on my behalf with regard to the interconnection and receive copies of this executed Interconnection Agreement and the Permission to Operate Letter when issued.**

Part II – NEM2 Generator System Size

A. Interconnection Study and Requirements

This Agreement covers the installed Generating Facility nameplate listed in the accompanying Application Form 79-1151-02B.

The interconnection study will use the nameplate to determine if Interconnection Facilities or Distribution or Network Upgrades are required and the responsible party for the associated costs. If upgrades are required, this will increase the time it will take for PG&E to approve your interconnection.

In order for PG&E to approve your system, you will need to provide (1) this signed Agreement, (2) Application Form 79-1151-02B, and (3) a copy of the final signed jurisdiction approval (building permit) for your project.

NEM2 systems should be sized with an estimated annual production no larger than 110% of the Customer's total previous 12 months of usage (annual usage) and projected future increase. All NEM2 customers must take service on a Time-of-Use rate schedule and sizing your system to offset 80%-85% of your average electricity usage could be an effective way to minimize your electricity bill[A]. Of course, individual circumstances may vary. Customers can obtain their usage data by following the instructions on www .pge.com on the page titled "Access, download, or share usage data.

[A] Customers on rate schedules such as ET, ES, and ESR, which do not have a corresponding TOU Rate, are not required to switch to TOU rates, unless and until such a rate becomes available.

AGREEMENT AND CUSTOMER AUTHORIZATION
Net Energy Metering (NEM2) Interconnection For Solar And/Or Wind Electric Generating Facilities Of 30 Kilowatts Or Less

Generator System Sizing

Generator System Type: ❑ Solar ❑ Wind ❑ Both

	(1) Solar CEC-AC rating[B]	_____ (kW) X 1,664[C]	=	_____ (kWh)
AND/OR	(2) Wind Nameplate rating	_____ (kW) X 2,190[D]		_____ (kWh)
	(3) Total Energy Production	(1) + (2)		_____ (kWh)

Estimated Annual Energy Usage:
(Solar systems ≤ 5 kW (CEC-AC) do not need to complete this section)

	(4) Recent annual usage	_____ (kWh) X 1.1	=	_____ (kWh)
OR (If 12 months usage not available)	(5) Building size	_____ (sq ft) X 3.32[E]	=	_____ (kWh)
AND	(6) I plan to increase my annual usage (kWh) by			_____ (kWh)
	(7) Total Energy Usage	(4 or 5) + (6)	=	_____ (kWh)

Net Generation:

	(8) Production – Usage	(3) – (7)	=	_____ (kWh)*

*Positive number indicates that the system is estimated to generate more than the estimated usage. Please refer to Part IV, Section E to read the provisions around Net Surplus Compensation (NSC).

Part III – Rate Selection

A. Current Rate: Please identify your existing rate by reviewing your PG&E energy statement or by calling the phone number listed below.

Otherwise Applicable Rate Schedule (OAS) for NEM2 Account: Select one rate from the category applicable to you. NEM2 residential customers must be an applicable time-of-use rate[F] schedule. If you are currently on a rate that is no longer open to new customers and are opting to move to a different rate, by signing this Agreement and Customer Authorization you are acknowledging that you are leaving the current rate and will not be able to return to this rate in the future. Visit www.pge.com/rateoptions or call (800)-PGE-5000 for rate information.

Residential Service Rate (Select one):

[Rate Schedule to be Selected online from Currently Available Residential Rates]

[B] CEC-AC (kW) =California Energy Commission Alternating Current, refers to the inverter efficiency rating (Quantity of PV Modules x PTC Rating of PV Modules x CEC Inverter Efficiency Rating)/1000
[C] 8,760 hrs/yr x 0. solar 19 capacity factor = 1,664
[D] 8,760 hrs/yr x 0.25 wind capacity factor = 2,190
[E] 2 watts/ sq ft x 1/1,000 watts x 8,760 hrs/yr x 0.19 solar capacity factor = 3.32
[F] Schedules such as ES, ESR or ET, which have no available corresponding time-of-use rate, are not required to switch to time-of-use rates, unless and until such a rate becomes available.

Small and Medium Commercial Service Rate (Select one rate and primary or secondary service voltage):

[Rate Schedule to be Selected online From Currently Available Small & Medium Commercial Rates]

Agricultural Power Service Rate: (Select one rate and rate option):

[Rate Schedule to be Selected online From Currently Available Agricultural Rates]

Part IV – Interconnection Agreement Provisions

A. Applicability

This Agreement applies to Electric Schedule NEM2 Customer-Generators (Customer) who interconnect a solar and/or wind turbine electric Generating Facility, or a hybrid system of both, with an aggregate capacity of 30 kilowatts or less that is located on Customer's premises and that operates in parallel with PG&E's Distribution System.

B. Permission to Operate

Customer may not operate their generator while interconnected to the PG&E system until receiving written permission from PG&E. Unauthorized Parallel Operation could result in injury to persons and/or damage to equipment and/or property for which the Customer may be liable.

C. Safety

Customer shall meet all applicable safety and performance standards established by the National Electrical Code, the Institute of Electrical and Electronics Engineers, accredited testing laboratories such as Underwriters Laboratories and, where applicable, PG&E's Electric Rule 21, and other rules approved by the CPUC regarding safety and reliability. A Customer with a solar or wind-turbine electric generating system, or a hybrid system of both, that meets

those standards and rules shall not be required to install additional controls, perform or pay for additional tests, or purchase additional liability insurance.

Part IV – Interconnection Agreement Provisions – Continued

A. Safe Operation of your Generating Facility

Notwithstanding any other provision of this Agreement, if at any time PG&E determines that the Customer's Facility, or its operation, may endanger (a) the public, (b) PG&E personnel, or (c) the safe and reliable operation of PG&E's electric system, PG&E shall have the right to disconnect the Facility from PG&E's system. Customer's Facility shall remain disconnected until such time as PG&E is satisfied that the unsafe condition(s) have been corrected.

B. AC Disconnect Switch

PG&E recommends that a customer installing an inverter-based generator consider also installing an AC Disconnect Switch to facilitate maintenance of the Customer's equipment (i.e. inverter, PV arrays, etc.). If an AC Disconnect Switch is not installed, the revenue meter may be temporarily removed by PG&E due to an emergency or maintenance on PG&E's system to isolate the Customer's generator from the electric distribution system. Removal of the revenue meter will result in loss of electrical service to the Customer's facility or residence. AC Disconnect Switch requirements are available in PG&E's Greenbook www.pge.com/greenbook.

C. Rate

Customer has confirmed their otherwise applicable rate schedule (OAS) to establish how the Customer's monthly usage or net generation will be charged/credited when submitting this Agreement. Further Customer-initiated rate changes are governed in accordance with PG&E's Electric Rule 12.

D. NEM2 Billing

The Customer's meter separately measures exports and imports.

The meter is read monthly and an amount is calculated based on the net energy (kWh) and total energy(kWh) exports recorded in kilowatt hours (kWh). If a customer exported more electricity than they drew from the energy provider in a given billing cycle, the amount is deemed a surplus. If a customer received more electricity from PG&E than they exported, the amount is deemed a charge. The rate at which the charge or surplus is calculated is based on the customer's OAS which is requested by the Customer in this Agreement.

Additionally, the Customer will be billed for non-bypassable charges on all imports from the grid, as describe in Schedule NEM2 Special Condition 2.

After 12 billing cycles, the corresponding charges and surpluses are reconciled in the annual true-up bill. Any remaining charges must be paid and any excess surpluses are typically zeroed out. More information about NEM2 billing is available at www.pge.com/nembilling.

E. Net Surplus Compensation (NSC)

NSC payments are made to NEM2 customers who produce more electricity than they use during the Relevant Period. The payment rate is based on a rolling 12-month average of spot market prices and may fluctuate on a monthly basis. The historical range of the NSC rate at the time of this Advice Filing is approximately $0.03 to $0.04. A history of NSC rates is available at www.pge.com/nembilling. If a customer would like to opt out from receiving this payment, please visit https://www.pge.com/tariffs/assets/pdf/tariffbook/ELEC_FORMS_79-1130.pdf. Participants in NEM2A, please see provisions in *NEM2 Load Aggregation Appendix (Form 79-1153)*.

F. Limitation of Liability

PG&E's and Customer's (Individually Party or together Parties) liability to the other Party for any loss, cost, claim, injury, liability, or expense, including reasonable attorney's fees, relating to or arising from any act or omission in its performance of this Agreement, shall be limited to the amount of direct damage actually incurred. In no event shall either Party be liable to the other Party for any indirect, special, consequential, or punitive damages of any kind whatsoever.

G. Governing Law

This Agreement shall be interpreted, governed, and construed under the laws of the State of California as if executed and to be performed wholly within the State of California.

Part IV – Interconnection Agreement Provisions – Continued

A. Governing Authority

This Agreement shall at all times be subject to such changes or modification by the CPUC as said Commission may, from time to time, direct in the exercise of its jurisdiction.

B. Term of Agreement

This Agreement shall become effective as of the date of PG&E's issuance of the permission to operate letter after receipt of all applicable fees, required documents, and this completed Agreement. This Agreement shall continue in full force and effect until terminated by either Party providing 30-days prior written notice to the other Party, or when a new Customer takes service with PG&E operating this approved generating facility. This new Customer will be interconnected subject to the terms and conditions as set forth in Schedule NEM2.

C. Meter Access

The electric meter must be installed in a safe location easily accessible upon PG&E request.

D. Stale Agreements

If this agreement is still pending one year from the date it is received by PG&E and Customer has not met all of the requirements, PG&E will close this application and Customer will be required to submit a new Agreement and Application should Customer wish to take service on Schedule NEM2.

E. CEC Listed

In order to promote the safety and reliability of the customer's Generating Facility, the applicant certifies that as a part its request for NEM2, that all major solar system components are on the verified equipment list maintained by the California Energy Commission and certifies that other equipment, as determined by PG&E, has safety certification from a nationally recognized testing laboratory.

F. Warranties or Service Agreements

Customer certifies as a part of its interconnection request for NEM2 that:

(i) a warranty of at least 10 years has been provided on all equipment and on its installation, or

(ii) a 10-year service warranty or executed "agreement" has been provided ensuring proper maintenance and continued system performance.

G. Smart Inverters

For Customer applications received on or after September 9, 2017, the Customer certifies that their inverter-based Generating Facilities fully comply with Section Hh of Rule 21, including configuration of protective settings and default settings, in accordance with the specifications therein.

Distribution Provider may require a field verification of the Customer's inverter. Customer further agrees to cooperate fully with any such request and make their inverter available to the Distribution Provider for such verification. Customer understands that in the event the inverter is not set in accordance with Section Hh of Rule 21, Customer will need to cease operation of generating facility until verification is confirmed by Distribution Provider.

(Solar inverter models and firmware versions that comply with Rule 21 Section Hh can be found athttps://www.energy.ca.gov/programs-and-topics/topics/renewable-energy/solar-equipment-lists.)

Verification of compliance with such requirements shall be provided by the Customer upon request by PG&E in accordance with PG&E's Electric Rule 21.

An "existing inverter" is defined as an inverter that is a component of an existing Generating Facility that meets one or more of the following conditions:

(a) it is already approved by PG&E for interconnection prior to September 9, 2017

(b) the Customer has submitted the interconnection application prior to September 9, 2017,

(c) the Customer provides evidence of having applied for an electrical permit for the Generating Facility installation that is dated prior to September 9, 2017 and submitted a complete interconnection application [G] no later than March 31, 2018, or

(d) the Customer provides evidence of a final inspection clearance from the governmental authority having jurisdiction over the Generating Facility prior to September 9, 2017.

[G] A complete application consists all of the following without deficiencies:

1. A completed Interconnection Application including all supporting documents and required payments,
2. A completed signed Interconnection Agreement, (continued on next page)
3. Evidence of the Customer final inspection clearance from the governmental authority having jurisdiction over the generating system.

AGREEMENT AND CUSTOMER AUTHORIZATION
Net Energy Metering (NEM2) Interconnection For Solar And/Or Wind Electric Generating Facilities Of 30 Kilowatts Or Less

All "existing inverters" are not required to be Smart Inverters and are only subject to Section H of Rule 21. Customer replacing an "existing inverter" certifies it is being replaced with either:

(i) inverter equipment that complies with Section Hh of Rule 21, (encouraged); or

(ii) a conventional inverter that is of the same size and equivalent ability to that of the inverter being replaced, as allowed in Rule 21 Section H.3.d.ii.

IMPORTANT INFORMATION FOR CUSTOMERS – BE SURE TO READ THE FULLY POPULATED DOCUMENT BEFORE SIGNING – THIS IS A LEGALLY BINDING CONTRACT – READ IT CAREFULLY.

THIS FORM MUST BE SIGNED BY THE EXISTING PG&E CUSTOMER LISTED IN PART I.

Under Pacific Gas and Electric Company's (PG&E's) privacy policies, which can be found at [www.pge.com/about/company/privacy/customer], PG&E generally does not sell or disclose personal information about you, such as your name, address, phone number, or electric account and billing information, to third parties unless you expressly authorize us to do so. The purpose of this form is to allow you, the customer, to exercise your right to choose whether to disclose your personal electricity usage data and other personal information to a third party. Once you authorize a third party to access personal information about you, you are responsible for ensuring that the third party safeguards the personal information from further disclosure without your consent.

By signing below, I declare under penalty of perjury under the laws of the State of California that:

1) The information provided in this Agreement is true and correct.

2) By completing the fields and checking the box in Part I Section C, I authorize the identified third party (Company) to receive my information and act on my behalf, which includes submitting or revising my Interconnection Application.

3) I have completed and reviewed Part II to determine if my system is sized to meet no more than my projected energy usage.

4) I have read in its entirety and agree to all the terms and conditions in this Interconnection Agreement and agree to comply with PG&E's Electric Rule 21.

_____
(Print Customer Name as it appears on the PG&E Bill)

_____
(Signature)

_____
(Print name and title of signee, applicable if customer is a Company)
(e.g. John Doe, Manager)

_____
(Date)

Note: PG&E can request additional documentation to verify the authenticity of the externally signed Agreement and Customer Authorization.

To confirm project approval, the Customer should retain a copy of this signed agreement and a copy of the Permission to Operate (PTO) letter from PG&E authorizing the Customer to operate the Generating Facility after PG&E deems satisfactory compliance with all NEM2 requirements.

ELECTRIC SAMPLE FORM 79-1152 Sheet 1
CUSTOMER INFORMATION SERVICE REQUEST FOR DRP (CISR-DRP)

Please Refer to Attached Sample Form

Pacific Gas and Electric Company®

CUSTOMER INFORMATION SERVICE REQUEST FOR DRP (CISR-DRP)

IMPORTANT INFORMATION FOR CUSTOMERS – BE SURE TO READ FIRST
THIS IS A LEGALLY BINDING CONTRACT – READ IT CAREFULLY

Pacific Gas and Electric Company's (PG&E's) Electric Rule 27 and its corresponding privacy policies, which can be found at www.pge.com/about/company/privacy/customer, generally do not allow for the disclosure of customers' personal information, such as your name, address, phone number, or electric or gas account and billing information, to third parties unless you expressly authorize us to do so. This form allows you to exercise your right to disclose your personal electricity-related information to up to two third-party Demand Response Providers (DRPs), pursuant to PG&E's Electric Rule 24 (Rule 24), so that you may obtain Demand Response services offered by DRP(s). Rule 24 can be accessed at https://www.pge.com/tariffs/assets/pdf/tariffbook/ELEC_RULES_24.pdf. This form may be used for authorization to release Bundled, Community Choice Aggregation (CCA), and Direct Access (DA) customer's information. In some cases two different DRPs may work in concert to help a customer obtain Rule 24 Demand Response services. Accordingly, this form allows for disclosure of your information to both a First DRP and an optional Second DRP. Alternatively, each DRP may submit its own CISR-DRP forms with your consent to receive personal information about you. Once you authorize access by the DRP(s) to your personal information, you are responsible for ensuring that the DRP(s) safeguards this information from further disclosure without your consent. Authorization for PG&E to release your information under Rule 24 is separate from commitments you may have or may make with the DRP(s) for their services.

This form grants the First DRP the ability to request that PG&E make limited changes to the PG&E electric meter(s) serving your Service Agreement(s), as specified in Section C below.

I, (Customer),

Customer Name According To PG&E Records					
Contact Name *(if different from above)*	First		Last		
E-Mail				Phone	

(You are required to provide at least your e-mail or phone number.)

do hereby ☐ AUTHORIZE ☐ REVOKE (*check only one*) the following DRP(s):

Name of First DRP		PG&E Rule 24 ID	
E-Mail		Phone	

(Complete the following table only if the customer is authorizing data to be released to one additional DRP)

Name of Second DRP		PG&E Rule 24 ID	
E-Mail		Phone	

Access to the following electric Service Agreements:

STREET ADDRESS	SERVICE CITY	SERVICE AGREEMENT ID

(You can include an additional 15 service agreements by attaching a list to this form.)

*Automated Document, Preliminary Statement, Part A

Pacific Gas and Electric Company®

CUSTOMER INFORMATION SERVICE REQUEST FOR DRP (CISR-DRP)

FOR AUTHORIZATION USE ONLY

A. TIMEFRAME OF AUTHORIZATION (Check only one option below.)

☐ Begin today and continue until _____ (mm/dd/yyyy) or until revoked by Customer or DRP.

☐ Begin today and continue indefinitely or until revoked by Customer or DRP.

In all cases, the Authorization for a Service Agreement will be automatically revoked when the Service Agreement is closed by the Customer.

B. SUMMARY OF INFORMATION AUTHORIZED TO BE RELEASED

I, (Customer), authorize PG&E to disclose to the above DRP(s) for the Service Agreements(s) listed above or attached to this form: 1) customer agreement and account information (e.g., name, service address, rate schedule), 2) access up to 48 months historical and ongoing interval meter data and/or monthly usage data, 3) current PG&E demand response programs in which you are known to participate, and 4) other information identified in Section D of Rule 24.

C. CHANGES YOU AUTHORIZE THE DRP TO MAKE ON YOUR BEHALF

I, (Customer), grant the First DRP permission to request that PG&E shorten the interval length of my electric meter(s), as available by PG&E, for the Service Agreement(s) listed above or attached to this form, when the DRP has successfully enrolled my Service Agreement with the CAISO, if PG&E is the Meter Service Provider.

I, (Customer), grant the above DRP(s) permission to revoke this authorization on my behalf and a revocation submitted by any one party shall revoke this Authorization for all of the other parties to this authorization.

D. CUSTOMER AGREEMENT

I, (Customer), authorize the actions and changes to be made (or undertaken) by PG&E as specified in this authorization. I further understand that my information may be transmitted to the DRP(s) even after the Authorization has ended, limited to updates to the data for the time period during which this Authorization was valid.

I, (Customer), understand and agree that if I am on Peak Day Pricing (PDP), then I will automatically be unenrolled from PDP when my Service Agreement has been successfully setup by the DRP in the CAISO's Demand Response systems. I agree to bear any resulting financial consequences, including without limitation, loss of bill protection, incentive payments, and reimbursements to PG&E of incentives, related to my participation in PDP, other PG&E DR programs, or DR enabling technology.

I, (If not Customer of Record), declare that I am authorized to execute this Authorization manually or electronically on behalf of the Customer of Record listed at the top of this form and that I have authority to financially bind the Customer of Record.

I understand PG&E reserves the right to verify any authorization request submitted before releasing information or taking any action on my behalf. I hereby release, hold harmless, and indemnify PG&E from any liability, claims, demands, and causes of action, damages, or expenses resulting from: (1) any release of information to the DRP pursuant to this Authorization; (2) the unauthorized use of this information by the DRP or any third party; and (3) any actions taken by the DRP pursuant to this Authorization. I understand that I may revoke this Authorization at any time by submitting a newly completed copy of this form with the revoke check box selected. I hereby indicate my consent to execute and submit this authorization electronically.

Authorized Signature of Customer or Agent	Date Signed (mm/dd/yyyy)

*Automated Document, Preliminary Statement, Part A

E. FIRST DRP'S AGREEMENT REGARDING CUSTOMER RELEASE AUTHORIZATION

I, (First DRP), hereby agree to comply with this agreement, and to release, hold harmless, and indemnify PG&E from any liability, claims, demand, causes of action, damages, or expenses resulting from the use of customer information obtained pursuant to this Authorization. I hereby indicate my consent to execute and submit this authorization electronically.

Authorized Signature of First DRP | Date Signed (mm/dd/yyyy)

F. SECOND DRP'S AGREEMENT REGARDING CUSTOMER RELEASE AUTHORIZATION

I, (Second DRP), hereby agree to comply with this agreement, and to release, hold harmless, and indemnify PG&E from any liability, claims, demand, causes of action, damages, or expenses resulting from the use of customer information obtained pursuant to this Authorization. I hereby indicate my consent to execute and submit this authorization electronically.

Authorized Signature of Second DRP | Date Signed (mm/dd/yyyy)

G. JURISDICTION OF CPUC

This agreement at all times shall be subject to such modifications and access to information as the California Public Utilities Commission may direct from time to time in the exercise of its jurisdiction, including, without limitation, revisions to the types of customer information to be released under Rule 24.

FOR REVOCATION USE ONLY

H. CUSTOMER REVOCATION OF AUTHORIZATION

I, (Customer), declare that I am authorized to execute this Revocation manually or electronically on behalf of the Customer of Record listed at the top of this form and that I have authority to financially bind the Customer of Record. I hereby revoke the authorization to release information to the DRP listed above. I hereby release, hold harmless, and indemnify PG&E from any liability, claims, demands, causes of action, damages, or expenses resulting from: (1) any negligent conduct relating to this revocation; (2) any refusal to release information to the DRP pursuant to this revocation; and (3) any conduct by the DRP in connection with this revocation. I hereby indicate my consent to execute and submit this revocation electronically.

Authorized Signature of Customer or Agent | Date Signed (mm/dd/yyyy)

I. DRP REVOCATION OF AUTHORIZATION/DISENROLLMENT FROM DRP(S) DEMAND RESPONSE SERVICE

I, (DRP), hereby revoke the authorization to release the Customer's information to the above designated DRP. Further, I hereby notify PG&E that the date of the Customer's actual or anticipated disenrollment from my Demand Response services is _____ (mm/dd/yyyy). I hereby release, hold harmless, and indemnify PG&E and its agents from any liability, claims, demands, causes of action, damages, or expenses resulting from: (1) revocation of the authorization to release information to the above designated DRP, (2) any refusal to release information to the DRP pursuant to this revocation, (3) any conduct by the DRP in connection with this revocation, and (4) my failure to timely notify PG&E of the Customer's disenrollment from my Demand Response services. I also hereby indicate my consent to execute and submit this revocation electronically.

Authorized Signature of DRP | Date Signed (mm/dd/yyyy)

*Automated Document, Preliminary Statement, Part A

Electric Sample Form No. 79-1174 Sheet 1
Rule 21 Generator Interconnection Application

Please Refer to Attached Sample Form

INTERCONNECTION APPLICATION (Form 79-1174)
ATTACHMENT INFO
CUSTOMER AND PROJECT INFORMATION

Part I - Selecting the Study Process[1]

This Application is not applicable for incentives and/or rebates offered by the Energy Resources Conservation and Development Commission (CEC), the CPUC or any other entity. Please contact those agencies directly or on their respective websites:

www.energy.ca.gov and www.cpuc.ca.gov.

Please check one:

- ❑ Fast Track Process.
- ❑ Detailed Study (not typical)
  - Will be either an Independent Study Process, Distribution Group Study Process or Transmission Cluster Study Process, dependent upon the Electrical Independence Tests.

Part II – Identifying the Generating Facility Location and Responsible Parties

Project Name:

A. Generating Facility Account Information (What electric service will the Generating Facility be interconnected for parallel operation with PG&E? For aggregated electric accounts provide the primary account and meter information).

Name shown on PG&E service account	Electric Service Agreement ID number - 10-digits	Electric Badge (Meter) Number - 6-10 digits (alpha numeric)

NOTE: ***Customer Electric account must match the customer's utility bill account information.***

Meter Location Street Address	City	State	Zip - 5-digits
		CA	

Please check all that apply:

- ❑ A New Generating Facility interconnection (at an existing service).
- ❑ Physical Changes to an interconnected Generating Facility with previous approval by PG&E (adding PV panels, adding energy storage as an addition or enhancement, changing inverters/turbines or changing load and/or operations).
- ❑ A New interconnection in conjunction with a new service.
  - An **Application for Service** must be completed. Additional fees may be required if a service or line extension is required (in accordance with PG&E Electric Rules 15 and 16). Please contact PG&E at 1-800-PGE-5000 or Rule21Gen@pge.com.
- ❑ An Interconnection under Direct Access (DA).
  - Customers applying for interconnection who are served under Direct Access by an Electric Service Provider (ESP) must contact their ESP directly for information regarding the options available under their Direct Access contract.

[1] For selection of Study Process for Exporting Generating Facilities, please complete the Rule 21 Exporting Generating Facility Interconnection Request Form 79-1145.

❑ An Interconnection under Community Choice Aggregation Service (CCA Service).

- Customers applying for interconnection who are served under Community Choice Aggregation Service (CCA Service) by a Community Choice Aggregator (CCA) must contact their CCA directly for information regarding the options available under their CCA Service Program.

❑ An interconnected non-exporting Generating Facility (load always exceeds generation).

B. Customer Account Contact Information -

Mailing Address			
City		State	Zip - 5-digits
( ) -_____	( ) -_____		
Business Phone	Home Phone	Fax	Email

C. Contractor Information (Must be completed even if Contractor will not serve as a PG&E contact).

Contact		Company Name	
Mailing Address			
City		State	Zip - 5-digits
( ) -	( ) -		
Business Phone	Fax	Email	
☐ Yes ☐ No			
Does Installer have Contractors State License Board (CSLB) Number?		Contractors State License Board Number	

D. Project Contact Information (Who is the project manager for this Generating Facility?)

Contact		Company Name	
Mailing Address			
City		State	Zip - 5-digits
( ) -	( ) -		
Business Phone	Fax	Email	

What is the **maximum 3-phase fault current** that will be contributed by the Generating Facility to a 3-phase fault at the Point of Common Coupling (PCC)? (If the Generating Facility is single phase in design, please provide the contribution for a line-to-line fault).	_____ Amps
Please indicate the **short circuit interrupting rating** of the host Customer facility's service panel:	_____ Amps

Refer to PG&E's Rule 21, Section G, for significance and additional information. To determine this value, any transformers and/or significant lengths of interconnecting conductor used between each of the Generators (if there are more than one) that make up the Generating Facility and the PCC must be taken into account. The details, impedance, and arrangement of such transformers and interconnecting conductors should be shown on the single-line diagram that is provided. Consult an electrical engineer or the equipment supplier if assistance is needed in answering this question.

It is expected that most Applicants will want to reserve the flexibility to operate any or all of their Generators in parallel. If the design of the proposed Generating Facility limits the amount of generation that may be interconnected at any time to PG&E's Distribution System, please describe the assumptions used in calculating the maximum fault current contribution value.

E. Customer Impacted by a Natural or Man-Made Disaster

Customers who were taking service on the NEM tariff prior to the total or partial destruction of their system have the option to resume service on the same NEM tariff if a request for reapplication is received within two years from the date of destruction. To be eligible for this provision, all the following must be true:

1. You are the same PG&E customer of record pre-system destruction

2. You are now reapplying with a system that is sized to your most recent 12 months usage, or estimated usage that is determined by building size[2] (if applicable)

3. You are not operating the new (either completely new or partially new) system without written permission from PG&E

4. Your NEM Transition Period has not expired at the time of reapplication (see NEM Tariff)

Based on the above, select the appropriate box (check one):

☐ I am a Customer who was impacted by a Natural or Man-Made Disaster as described in the NEM Tariffs and the above statements are true. I will submit my application online at https://www.egi-pge.com/ and will include the complete system currently onsite on the single line diagram. If my previous system was destroyed, I will also state this on the single line diagram.

☐ I am either ineligible for this provision or this provision does not apply to my application. In either case, I will submit my application online at https://www.egi-pge.com/ .

[2] Building Size Calculation: Sq Ft X 3.23. Note: 2 watts/sq ft x 1/1,000 watts x 8,760 hrs/yr x 0.19 solar capacity factor = 3.32

INTERCONNECTION APPLICATION (Form 79-1174)
ATTACHMENT NX
NON-EXPORT

Interconnection Agreement Type

Please select one option below:

☐ Non-Export A Generating Facility Interconnection Agreement that provides for parallel operation of the Generating Facility, but does not provide for exporting power to PG&E's Distribution System. This non-export agreement, however does allow the occasional and uncompensated export of energy to PG&E's Distribution System for less than 2 seconds in duration.

☐ Uncompensated Export A Generating Facility Interconnection Export Addendum that provides for parallel operation of the Generating Facility and the occasional, continuous, non-compensated, export of generator facilities sized 2 MW or less to PG&E's Distribution System. Continuous export is export greater than 60 seconds in duration. This addendum must be executed in concert with the generating facility interconnection agreement.

Third Party Generating Facility Ownership

☐ Third Party Owned Generating Facility A Generating Facility Interconnection Agreement that provides for parallel operation of the 3rd Party owned Generating Facility, but does not provide for exporting energy to PG&E's Distribution System; as well as a Customer Generation Agreement that defines the relationship between the Customer whose name appears on PG&E's electric service account. If this option is chosen, please complete the Third Party Generating Facility Ownership section below.

Customer Generation Agreement (CGA) (for 3rd Party Generator on Premises) Information (Please identify the PG&E Customer of Record where Generating Facility will be installed). CGA is not applicable to Net Energy Metering (NEM) Applicants because PG&E and the Customer, not the 3rd Party if any, must enter into the Net Energy Metering Interconnection Agreement.

Company Name to be entered on CGA	**Legal Title of Host Facility to be entered on CGA**	
Person Executing the CGA	**Title of Person Executing the CGA**	
	( ) ____ - _____	
Mailing Address	**Phone**	**E-Mail**

Generating Facility Interconnection Agreement (GFIA) for 3rd Party Owner – GFIA Information

☐ Generating Facility Interconnection Agreement (GFIA) for 3rd Party Owner will be executed by Contractor

Please identify the Party that will own the Generating Facility.
This Section is not applicable to Net Energy Metering (NEM) Applicants because PG&E and the Customer, not the 3rd Party if any, must enter into the Net Energy Metering Interconnection Agreement.

Company Name to be entered on GFIA	**Legal Title of Company to be entered on GFIA**	
	( ) ____ - _____	
Mailing Address	**Phone**	**E-Mail**

Part II – Generating Facility Operational Details

Operating Modes:

☐ **Parallel Operation:** The Generating Facility will interconnect and operate "in parallel" with PG&E's Distribution System for more than one (1) second.

Please supply all of the information requested for the Generating Facility. Be sure to supply adequate information including diagrams and written descriptions regarding the protective relays that will be used to detect faults or abnormal operating conditions on PG&E's Distribution System.

☐ **Inadvertent Export:** The Generating Facility will interconnect and operate, providing unscheduled and uncompensated export of real power for a duration exceeding two (2) seconds but fewer than sixty (60) seconds. The expected frequency of "inadvertent export" occurrences should be less than two occurrences per 24-hour period. Protective Functions, technical requirements and operational limitations are described in Rule 21, Section M.

Be sure to supply adequate information including diagrams and written descriptions regarding the switching device or scheme that will be used to limit the parallel operation period to one second or less. Please also describe the back up or protective device and controls that will trip the Generating Facility should the transfer switch or scheme not complete the transfer in one second or less.

☐ **Momentary Parallel Operation (MP):** The Generating Facility will interconnect and operate on a "momentary parallel" basis with PG&E's Distribution System for a duration of one (1) second or less through transfer switches or operating schemes specifically designed and engineered for such operation.

Be sure to supply adequate information including diagrams and written descriptions regarding the switching device or scheme that will be used to limit the parallel operation period to one second or less. Please also describe the back up or protective device and controls that will trip the Generating Facility should the transfer switch or scheme not complete the transfer in one second or less.

☐ **Isolated Operation (I):** The Generating Facility will be "isolated" and prevented from becoming interconnected with PG&E's Distribution System through a transfer switch or operating scheme specifically designed and engineered for such operation.

Be sure to supply adequate information including diagrams and written descriptions regarding the isolating switching device or scheme that will be used to prevent the Generating Facility from operating in parallel with PG&E's Distribution System.

Parallel and Inadvertent Export Options

- ❑ A **reverse-power protection device** will be installed to measure any export of power and trip the Generating Facility or open an intertie breaker to isolate the Generating Facility if limits are exceeded.

- ❑ An **under-power protection device** will be installed to measure the inflow of power and trip or reduce the output of the Generating Facility if limits are not maintained.

- ❑ The Generating Facility Interconnection Facility equipment has been **certified as non-islanding and the incidental export of power will be limited by the design of the interconnection**. If this option is to be used, the nominal ampere rating of the service entrance equipment (service panel rating) that is used by the host Customer facility is: _____.

- ❑ The **Gross Nameplate Rating of the Generating Facility will not exceed 50% of the host Customer facility's minimum electrical load over the past 12 months**. If this option is to be used, the minimum load of the host Customer facility must be stated in the space provided above.

The Generating Facility **completely offset their facility load** by being (a) optimally sized to meet their peak demand with load following functionality on the Generator controls and (b) ensuring conditional (inadvertent) export of electric power from the Generation Facility to Distribution Provider's Distribution or Transmission System occurs no more frequently than twice in any 24 hour period and the exports are greater than 2 seconds but no more than more than 60 seconds.

With the approval of PG&E, a Producer that wishes to retain the option to export power from a Generating Facility to PG&E's Distribution System may use a different protection scheme that provides for the detection of faults and other abnormal operating conditions.

Please indicate

- ❑ Standby / Emergency / Backup – Where the Generating Facility will normally be operated only when PG&E's electric service is not available.

- ❑ Qualifying Facility (QF) Status will be obtained from the FERC for this Generating Facility.

  Instructions and Notes: Parties operating Generating Facilities (QF) complying with all of the requirements for qualification as either a small power production facility or cogeneration facility pursuant to the regulations of the FERC (18 Code of Federal Regulations Part 292, Section 292.203 et seq.) implementing the Public Utility Regulatory Policies Act of 1978 (16 U.S.C.A. Section 796, et seq.), or any successor requirements for Qualifying Facilities, may seek certification from FERC to have the Generating Facility designated as a Qualifying Facility or "QF." In summary, QFs are Generating Facilities using renewable or alternative fuels as a primary energy source or facilities that utilize the thermal energy given off by the generation process for some other useful purpose. QFs enjoy certain rights and privileges not available to non-QF Generating Facilities.

  QF status is not required to interconnect and operate in parallel with PG&E's Distribution System.

INTERCONNECTION APPLICATION (Form 79-1174)
ATTACHMENT EX
EXPORT

Describing the Export Operation

Interconnection Service Requirements: (Please select one box below)

☐ Existing Service (currently metered PG&E service)

☐ New Generation-only Service (no load other than ancillary required for Generating Facility)
NEMVMASH participants must select either this option or the next

☐ New Generation-only Meter Tap (at location of existing service)
NEMV applicants must select this option

If new generation-only service is needed, please indicate the requested voltage level: (Please select one box below)

☐ Secondary (up to 480V)

☐ Primary (up to 59 kV)

☐ Transmission (60 kV and up)

Power Export:

Generator Nameplate[1] Export (kW) _____

Maximum Expected Facility Net Export (kW) _____

Applications to interconnect systems located in San Francisco or Oakland may require additional analysis to determine whether or not their proposed installation is on PG&E's networked secondary system. Networked secondary systems are in place to provide heightened levels of reliability in densely populated areas and may affect the ability of PG&E to interconnect NEM customers.

☐ Is the proposed installation is in San Francisco where the zip code is 94102, 94103, 94104, 94105, 94107, 94108, 94109, 94111 or 94133 or in Oakland where the zip code is 94607 or 94612?

[1] Please note that for Generating Facilities larger than 1 MW interconnecting to existing secondary voltage services, the revenue meter may require power loss adjustment.

INTERCONNECTION APPLICATION (Form 79-1174)
ATTACHMENT T1
SOLAR (PV) TECHNOLOGY

Part IV Cont'd - Describing the Generating Facility and Host Customer's Electrical Facilities

For other solar generation technologies not utilizing inverters please use attachment F.

Please complete the following table for the specific generator technology indicated.

Instructions				
Inverter	Existing Generator type 1	Existing Generator type 2	New Generator type 1	New Generator type 2
Please indicate the number of each "**type" and quantity** of Generator being installed Be sure all Generators classified as one "type" are identical in all respects. If only one type of Generator is to be used, only one column needs to be completed.				
A - Generator/Inverter Manufacturer Enter the brand name of the Generator.				
B - Generator/Inverter Model Enter the model name or number assigned by the manufacturer of the Generator.				
C - Generator/Inverter Software Version If this Generator's control and or protective functions are dependent on a software program supplied by the manufacturer of the equipment, please provide the version or release number for the software that will be used.				
D - Is the Generator/Inverter certified? Is the Generator Certified by a Nationally Recognized Testing Laboratory (NRTL) according to Rule 21? Answer "Yes" only if the Generator manufacturer can or has provided certification data. See PG&E's Rule 21, Section L for additional information regarding Generator certification.	____ Yes ____ No	____ Yes ____ No	____ Yes ____ No	____ Yes ____ No

INTERCONNECTION APPLICATION (Form 79-1174)
ATTACHMENT T1
SOLAR (PV) TECHNOLOGY

Generator Information	Existing Generator type 1	Existing Generator type 2	New Generator type 1	New Generator type 2
E - Modules.	_____ Manufacturer _____ Model #. _____ Quantity	_____ Manufacturer _____ Model #. _____ Quantity	_____ Manufacturer _____ Model #. _____ Quantity	_____ Manufacturer _____ Model #. _____ Quantity
F - Gross Nameplate Rating (kVA) This is the capacity value normally supplied by the manufacturer and stamped on the Generator's nameplate. This value is not required where the manufacturer provides only a kW rating. However, where both kVA and kW values are available, please indicate both.				
G - Operating Voltage This value should be the voltage rating designated by the manufacturer and used in this Generating Facility. Please indicate phase-to-phase voltages for 3-phase installations. See PG&E's Rule 21, Section H.2.b. and Table H.1., for additional information.				
H - Power Factor Rating This value should be the nominal power factor rating designated by the manufacturer for the Generator. See PG&E's Rule 21, Section H.2.i. for additional information.				
I - PF Adjustment Range Where the power factor of the Generator is adjustable, please indicate the maximum and minimum operating values. See PG&E's Rule 21, Section H.2.i.				
J - Wiring Configuration Please indicate whether the Generator is a single-phase or three-phase device. See PG&E's Rule 21, Section H.3.				

INTERCONNECTION APPLICATION (Form 79-1174)
ATTACHMENT T1
SOLAR (PV) TECHNOLOGY

Generator Information	Existing Generator type 1	Existing Generator type 2	New Generator type 1	New Generator type 2
K - AC Disconnect For systems requiring an AC Disconnect only, please include the requested information about the AC Disconnect. See PG&E's Rule 21, Section H.1.d	_____ Manufacturer _____ Model # _____ Rating (amps)	_____ Manufacturer _____ Model # _____ Rating (amps)	_____ Manufacturer _____ Model # _____ Rating (amps)	_____ Manufacturer _____ Model # _____ Rating (amps)
Located within 10 feet of the PG&E meter?	____ Yes ____ No	____ Yes ____ No	____ Yes ____ No	____ Yes ____ No
L - Lineside Tap PG&E has special requirements for a lineside tap. Contact PG&E at: Rule21Gen@PGE.com for more information.	____ Yes ____ No	____ Yes ____ No	____ Yes ____ No	____ Yes ____ No

Part II Solar Statistics Data Fields

Per Appendix A of CPUC D. 14-11-001, the following data fields must all be completed, in their entirety, in order to initiate PG&E's interconnection review of the proposed Generating Facility. *Only complete Part II if the solar generating facility is serving as part of a Net Energy Metering (NEM) arrangement..*

A. Customer Sector (Check one)

❑ Residential ❑ Educational ❑ Industrial
❑ Commercial ❑ Military ❑ Non-Profit
❑ Other Government

B. Are Performance Monitoring and Reporting Services (PMRS) being utilized?

❑ Yes ❑ No

If yes, please indicate who is receiving the data? (check all that apply)

❑ Customer
❑ 3rd Party (list name) _____

C. Are there electric vehicles charging on site at the above generating facility address?

❑ Yes ❑ No

If yes, please indicate how many electric vehicles _____

SOLAR (PV) TECHNOLOGY

D. System Ownership and Financing

i. System Owner (check one):

❑ PG&E Customer Owned

If PG&E Customer Owned, please answer the following:

Indicate the System Cost paid by Customer: $_____

Property Assessed Clean Energy (PACE) Financed?

❑ Yes ❑ No

If Yes, PACE financed by which entity? _____

❑ Third Party Owned

If Third Party Owned, please answer the following:

Claimed Federal Investment Tax Credit (ITC) Cost Basis: $_____

Name of Developer at the time of sale:

_____

Contract Type: ❑ PPA ❑ Lease ❑ Pre-Paid Lease ❑ Other _____

ii. Rebate Information:

Did you participate in a California rebate program? ❑ Yes ❑ No

Please indicate the rebate program that you participated in: _____

Rebate Amount: $_____

E. Additional Generating Facility Information (Solar PV Only)

i. Mounting Method: ❑ Rooftop ❑ Ground ❑ Mixed

ii. Tracking Type: ❑ Fixed ❑ Single-Axis ❑ Dual-Axis ❑ Mixed

If fixed, please indicate: Tilt: _____degrees Azimuth: _____degrees

INTERCONNECTION APPLICATION (Form 79-1174)
ATTACHMENT T2
WIND TURBINE TECHNOLOGY

Please complete the following table for the specific generator technology indicated.

Instructions				
Generator Information	Existing Generator type 1	Existing Generator type 2	New Generator type 1	New Generator type 2
Please indicate the number of each "**type" and quantity** of Generator being installed Be sure all Generators classified as one "type" are identical in all respects. If only one type of Generator is to be used, only one column needs to be completed.				
A - Generator/Inverter Manufacturer Enter the brand name of the Generator.				
B - Generator/Inverter Model Enter the model name or number assigned by the manufacturer of the Generator.				
C - Generator/Inverter Software Version If this Generator's control and or protective functions are dependent on a software program supplied by the manufacturer of the equipment, please provide the version or release number for the software that will be used.				
D - Is the Inverter certified? Is the Generator Certified by a Nationally Recognized Testing Laboratory (NRTL) according to Rule 21? Answer "Yes" only if the Generator manufacturer can or has provided certification data. See PG&E's Rule 21, Section L for additional information regarding Generator certification.	____ Yes ____ No	____ Yes ____ No	____ Yes ____ No	____Yes ____ No

INTERCONNECTION APPLICATION (Form 79-1174)
ATTACHMENT T2
WIND TURBINE TECHNOLOGY

Generator Information	Existing Generator type 1	Existing Generator type 2	New Generator type 1	New Generator type 2
E - Generator Design Please indicate the design of each Generator. Designate "Inverter" anytime an inverter is used as the interface between the Generator and the electric system regardless of the primary power production/storage device used.	____ Synch ____ Induct. ____ Inverter	____ Synch ____ Induct. ____ Inverter	____ Synch ____ Induct. ____ Inverter	____ Synch ____ Induct. ____ Inverter
F - Gross Nameplate Rating (kVA) This is the capacity value normally supplied by the manufacturer and stamped on the Generator's nameplate. This value is not required where the manufacturer provides only a kW rating. However, where both kVA and kW values are available, please indicate both.				
G - Operating Voltage This value should be the voltage rating designated by the manufacturer and used in this Generating Facility. Please indicate phase-to-phase voltages for 3-phase installations. See PG&E's Rule 21, Section H.2.b. and Table H.1., for additional information.				
H - Power Factor Rating This value should be the nominal power factor rating designated by the manufacturer for the Generator. See PG&E's Rule 21, Section H.2.i. for additional information.				
I - PF Adjustment Range Where the power factor of the Generator is adjustable, please indicate the maximum and minimum operating values. See PG&E's Rule 21, Section H.2.i.				
J - Wiring Configuration Please indicate whether the Generator is a single-phase or three-phase device. See PG&E's Rule 21, Section H.3.				
K - (MP) 3-Phase Winding Configuration (Choose One) For three-phase generating units, please indicate the configuration of the Generator's windings or inverter systems.	__3 Wire Delta __3 Wire Wye __4 Wire Wye	__3 Wire Delta __3 Wire Wye __4 Wire Wye	__3 Wire Delta __3 Wire Wye __4 Wire Wye	__3 Wire Delta __3 Wire Wye __4 Wire Wye

INTERCONNECTION APPLICATION (Form 79-1174)
ATTACHMENT T2
WIND TURBINE TECHNOLOGY

Generator Information	Existing Generator type 1	Existing Generator type 2	New Generator type 1	New Generator type 2
L - (MP) Neutral Grounding System Used (Choose One) Wye connected generating units are often grounded – either through a resistor or directly, depending upon the nature of the electrical system to which the Generator is connected. If the grounding method used at this facility is not listed, please attach additional descriptive information.	___ Ungrounded ___ Solidly Grounded ___ Ground Resistor ___ Ohms	___ Ungrounded ___ Solidly Grounded ___ Ground Resistor ___ Ohms	___ Ungrounded ___ Solidly Grounded ___ Ground Resistor ___ Ohms	___ Ungrounded ___ Solidly Grounded ___ Ground Resistor ___ Ohms
M - *Induction Generators Only:* Locked Rotor Current: ***Stator Resistance:*** Stator Leakage Reactance: Rotor Resistance: Rotor Leakage Reactance: If the Generator is of an induction design, please provide the "locked rotor current" value supplied by the manufacturer. If this value is not available, the stator resistance, stator leakage reactance, rotor resistance, rotor leakage reactance values supplied by the manufacturer may be used to determine the locked rotor current. If the Generator's Gross Nameplate Capacity is 10 MW or greater, PG&E may request additional data to better model the nature and behavior of the Generator with relation to its Distribution System.	_____ (Amps) _____(%) _____(%) _____(%) _____(%)	_____ (Amps) _____(%) _____(%) _____(%) _____(%)	_____ (Amps) _____(%) _____(%) _____(%) _____(%)	_____ (Amps) _____(%) _____(%) _____(%) _____(%)
N - Short Circuit Current Produced by Generator:	_____ (Amps)	_____ (Amps)	_____ (Amps)	_____ (Amps)
O - AC Disconnect For systems requiring an AC Disconnect only, please include the requested information about the AC Disconnect. See PG&E's Rule 21, Section H.1.d Located within 10 feet of the PG&E meter?	_____ Manufacturer _____ Model # _____ Rating (amps) ____ Yes ____ No	_____ Manufacturer _____ Model # _____ Rating (amps) ____ Yes ____ No	_____ Manufacturer _____ Model # _____ Rating (amps) ____ Yes ____ No	_____ Manufacturer _____ Model # _____ Rating (amps) ____ Yes ____ No
P - Lineside Tap PG&E has special requirements for a lineside tap. Contact PG&E at: Rule21Gen@PGE.com for more information.	____ Yes ____ No	____ Yes ____ No	____ Yes ____ No	____ Yes ____ No

INTERCONNECTION APPLICATION (Form 79-1174)
ATTACHMENT T3
MACHINE-BASED TECHNOLOGY

Please complete the following table for the specific generator technology indicated.

Instructions				
Generator Information	Existing Generator type 1	Existing Generator type 2	New Generator type 1	New Generator type 2
Please indicate the number of each "**type" and quantity** of Generator being installed. Be sure all Generators classified as one "type" are identical in all respects. If only one type of Generator is to be used, only one column needs to be completed.				
A - Generator/Inverter Manufacturer Enter the brand name of the Generator.				
B - Generator/Inverter Model Enter the model name or number assigned by the manufacturer of the Generator.				
C - Generator/Inverter Software Version If this Generator's control and or protective functions are dependent on a software program supplied by the manufacturer of the equipment, please provide the version or release number for the software that will be used.				
D - Is the Generator/Inverter certified? Is the Generator Certified by a Nationally Recognized Testing Laboratory (NRTL) according to Rule 21? Answer "Yes" only if the Generator manufacturer can or has provided certification data. See PG&E's Rule 21, Section L for additional information regarding Generator certification.	____ Yes ____ No	____ Yes ____ No	____ Yes ____ No	____ Yes ____ No

INTERCONNECTION APPLICATION (Form 79-1174)
ATTACHMENT T3
MACHINE-BASED TECHNOLOGY

Generator Information	Existing Generator type 1	Existing Generator type 2	New Generator type 1	New Generator type 2
E - Generator Design Please indicate the design of each Generator. Designate "Inverter" anytime an inverter is used as the interface between the Generator and the electric system regardless of the primary power production/storage device used.	____ Synch ____ Induct. ____ Inverter	____ Synch ____ Induct. ____ Inverter	____ Synch ____ Induct. ____ Inverter	____ Synch ____ Induct. ____ Inverter
F - Gross Nameplate Rating (kVA) This is the capacity value normally supplied by the manufacturer and stamped on the Generator's nameplate. This value is not required where the manufacturer provides only a kW rating. However, where both kVA and kW values are available, please indicate both.				
G - Operating Voltage This value should be the voltage rating designated by the manufacturer and used in this Generating Facility. Please indicate phase-to-phase voltages for 3-phase installations. See PG&E's Rule 21, Section H.2.b. and Table H.1., for additional information.				
H - Power Factor Rating This value should be the nominal power factor rating designated by the manufacturer for the Generator. See PG&E's Rule 21, Section H.2.i. for additional information.				
I - PF Adjustment Range Where the power factor of the Generator is adjustable, please indicate the maximum and minimum operating values. See PG&E's Rule 21, Section H.2.i.				
J - Wiring Configuration Please indicate whether the Generator is a single-phase or three-phase device. See PG&E's Rule 21, Section H.3.				
K - (MP) 3-Phase Winding Configuration (Choose One) For three-phase generating units, please indicate the configuration of the Generator's windings or inverter systems.	__3 Wire Delta __3 Wire Wye __4 Wire Wye	__3 Wire Delta __3 Wire Wye __4 Wire Wye	__3 Wire Delta __3 Wire Wye __4 Wire Wye	__3 Wire Delta __3 Wire Wye __4 Wire Wye

INTERCONNECTION APPLICATION (Form 79-1174)
ATTACHMENT T3
MACHINE-BASED TECHNOLOGY

Generator Information	Existing Generator type 1	Existing Generator type 2	New Generator type 1	New Generator type 2
L - (MP) Neutral Grounding System Used (Choose One) Wye connected generating units are often grounded – either through a resistor or directly, depending upon the nature of the electrical system to which the Generator is connected. If the grounding method used at this facility is not listed, please attach additional descriptive information.	__ Ungrounded __ Solidly Grounded __ Ground Resistor __ Ohms	__ Ungrounded __ Solidly Grounded __ Ground Resistor __ Ohms	__ Ungrounded __ Solidly Grounded __ Ground Resistor __ Ohms	__ Ungrounded __ Solidly Grounded __ Ground Resistor __ Ohms
M – *Synchronous Generators Only:* If the Generator is of a synchronous design, please provide the synchronous reactance, transient reactance, and subtransient reactance values supplied by the manufacturer. This information is necessary to determine the short circuit contribution of the Generator and as data in load flow and short circuit computer models of PG&E's Distribution System. If the Generator's Gross Nameplate Capacity is 10 MW or greater, PG&E may request additional data to better model the nature and behavior of the Generator with relation to its Distribution System. Synchronous Reactance: Transient Reactance: Subtransient Reactance:	_____ (Xd %) _____ (Xd %) _____ (Xd %)	_____ (Xd %) _____ (Xd %) _____ (Xd %)	_____ (Xd %) _____ (Xd %) _____ (Xd %)	_____ (Xd %) _____ (Xd %) _____ (Xd %)
N - *Induction Generators Only:* Locked Rotor Current: ***Stator Resistance:*** Stator Leakage Reactance: Rotor Resistance: Rotor Leakage Reactance: If the Generator is of an induction design, please provide the "locked rotor current" value supplied by the manufacturer. If this value is not available, the stator resistance, stator leakage reactance, rotor resistance, rotor leakage reactance values supplied by the manufacturer may be used to determine the locked rotor current. If the Generator's Gross Nameplate Capacity is 10 MW or greater, PG&E may request additional data to better model the nature and behavior of the Generator with relation to its Distribution System.	_____ (Amps) _____(%) _____(%) _____(%) _____(%)	_____ (Amps) _____(%) _____(%) _____(%) _____(%)	_____ (Amps) _____(%) _____(%) _____(%) _____(%)	_____ (Amps) _____(%) _____(%) _____(%) _____(%)

INTERCONNECTION APPLICATION (Form 79-1174)
ATTACHMENT T3
MACHINE-BASED TECHNOLOGY

Generator Information	Existing Generator type 1	Existing Generator type 2	New Generator type 1	New Generator type 2
O - Short Circuit Current Produced by Generator	_____ (Amps)	_____ (Amps)	_____ (Amps)	_____ (Amps)
P – *For Generators that are Started as a "Motor" Only:* This information is needed only for Generators that are started by "motoring" the generator. See PG&E's Rule 21, Sections L.3.d. and L.7.b. for significance and additional information. If this question was answered in Part IV, question C of this Application, it need not be answered here. 1. In-Rush Current: 2. Host Customer's Service Entrance Panel (Main Panel) Continuous Current Rating:	_____ (Amps) _____ (Amps)	_____ (Amps) _____ (Amps)	_____ (Amps) _____ (Amps)	_____ (Amps) _____ (Amps)
Q – Prime Mover Type Please indicate the type and fuel used as the prime mover or source of energy for the Generator. 1 = Natural Gas 2 = Diesel Fueled 3 = Other Fuel	1 2 3	1 2 3	1 2 3	1 2 3
R - AC Disconnect For systems requiring an AC Disconnect only, please include the requested information about the AC Disconnect. See PG&E's Rule 21, Section H.1.d Located within 10 feet of the PG&E meter?	_____ Manufacturer _____ Model # _____ Rating (amps) ____ Yes ____ No	_____ Manufacturer _____ Model # _____ Rating (amps) ____ Yes ____ No	_____ Manufacturer _____ Model # _____ Rating (amps) ____ Yes ____ No	_____ Manufacturer _____ Model # _____ Rating (amps) ____ Yes ____ No
S - Lineside Tap PG&E has special requirements for a lineside tap. Contact PG&E at: Rule21Gen@PGE.com for more information.	____ Yes ____ No	____ Yes ____ No	____ Yes ____ No	____ Yes ____ No

INTERCONNECTION APPLICATION (Form 79-1174)
ATTACHMENT T4
FUEL CELL TECHNOLOGY

Part IV Cont'd - Describing the Generating Facility and Host Customer's Electrical Facilities

Please complete the following table for the specific generator technology indicated.

Instructions				
Generator Information	Existing Generator type 1	Existing Generator type 2	New Generator type 1	New Generator type 2
Please indicate the number of each "**type" and quantity** of Generator being installed. Be sure all Generators classified as one "type" are identical in all respects. If only one type of Generator is to be used, only one column needs to be completed.				
A - Generator/Inverter Manufacturer Enter the brand name of the Generator.				
B - Generator/Inverter Model Enter the model name or number assigned by the manufacturer of the Generator.				
C - Generator/Inverter Software Version If this Generator's control and or protective functions are dependent on a software program supplied by the manufacturer of the equipment, please provide the version or release number for the software that will be used.				
D - Is the Generator/Inverter certified? Is the Generator Certified by a Nationally Recognized Testing Laboratory (NRTL) according to Rule 21? Answer "Yes" only if the Generator manufacturer can or has provided certification data. See PG&E's Rule 21, Section L for additional information regarding Generator certification.	____ Yes ____ No	____ Yes ____ No	____ Yes ____ No	____ Yes ____ No

INTERCONNECTION APPLICATION (Form 79-1174)
ATTACHMENT T4
FUEL CELL TECHNOLOGY

Generator Information	Existing Generator type 1	Existing Generator type 2	New Generator type 1	New Generator type 2
E - Generator Design Please indicate the design of each Generator. Designate “Inverter” anytime an inverter is used as the interface between the Generator and the electric system regardless of the primary power production/storage device used.	____ Synch ____ Induct. ____ Inverter	____ Synch ____ Induct. ____ Inverter	____ Synch ____ Induct. ____ Inverter	____ Synch ____ Induct. ____ Inverter
F - Gross Nameplate Rating (kVA) This is the capacity value normally supplied by the manufacturer and stamped on the Generator’s nameplate. This value is not required where the manufacturer provides only a kW rating. However, where both kVA and kW values are available, please indicate both.				
G - Operating Voltage This value should be the voltage rating designated by the manufacturer and used in this Generating Facility. Please indicate phase-to-phase voltages for 3-phase installations. See PG&E’s Rule 21, Section H.2.b. and Table H.1., for additional information.				
H - Power Factor Rating This value should be the nominal power factor rating designated by the manufacturer for the Generator. See PG&E’s Rule 21, Section H.2.i. for additional information.				
I - PF Adjustment Range Where the power factor of the Generator is adjustable, please indicate the maximum and minimum operating values. See PG&E’s Rule 21, Section H.2.i.				
J - Wiring Configuration Please indicate whether the Generator is a single-phase or three-phase device. See PG&E’s Rule 21, Section H.3.				
K - (MP) 3-Phase Winding Configuration (Choose One) For three-phase generating units, please indicate the configuration of the Generator’s windings or inverter systems.	__3 Wire Delta __3 Wire Wye __4 Wire Wye	__3 Wire Delta __3 Wire Wye __4 Wire Wye	__3 Wire Delta __3 Wire Wye __4 Wire Wye	__3 Wire Delta __3 Wire Wye __4 Wire Wye
Generator Information	Existing	Existing	New	New

INTERCONNECTION APPLICATION (Form 79-1174)
ATTACHMENT T4
FUEL CELL TECHNOLOGY

	Generator type 1	Generator type 2	Generator type 1	Generator type 2
L - (MP) Neutral Grounding System Used (Choose One) Wye connected generating units are often grounded – either through a resistor or directly, depending upon the nature of the electrical system to which the Generator is connected. If the grounding method used at this facility is not listed, please attach additional descriptive information.	__ Ungrounded __ Solidly Grounded __ Ground Resistor __ Ohms	__ Ungrounded __ Solidly Grounded __ Ground Resistor __ Ohms	__ Ungrounded __ Solidly Grounded __ Ground Resistor __ Ohms	__ Ungrounded __ Solidly Grounded __ Ground Resistor __ Ohms
M - Short Circuit Current Produced by Generator	_____ (Amps)	_____ (Amps)	_____ (Amps)	_____ (Amps)
N – Prime Mover Type Please indicate the type and fuel used as the prime mover or source of energy for the Generator. 1 = Natural Gas 2 = Diesel Fueled 3 = Other Fuel	1 2 3	1 2 3	1 2 3	1 2 3
O - AC Disconnect For systems requiring an AC Disconnect only, please include the requested information about the AC Disconnect. See PG&E's Rule 21, Section H.1.d Located within 10 feet of the PG&E meter?	_____ Manufacturer _____ Model # _____ Rating (amps) ____ Yes ____ No	_____ Manufacturer _____ Model # _____ Rating (amps) ____ Yes ____ No	_____ Manufacturer _____ Model # _____ Rating (amps) ____ Yes ____ No	_____ Manufacturer _____ Model # _____ Rating (amps) ____ Yes ____ No
P - Lineside Tap PG&E has special requirements for a lineside tap. Contact PG&E at: Rule21Gen@PGE.com for more information.	____ Yes ____ No	____ Yes ____ No	____ Yes ____ No	____ Yes ____ No

INTERCONNECTION APPLICATION (Form 79-1174)
ATTACHMENT T5
ENERGY STORAGE TECHNOLOGY

Please complete the following table for the specific generator technology indicated.

Instructions				
Generator Information	Existing Generator type 1	Existing Generator type 2	New Generator type 1	New Generator type 2
# Please indicate the number of each "**type" and quantity** of Generator being installed. Be sure all Generators classified as one "type" are identical in all respects. If only one type of Generator is to be used, only one column needs to be completed.				
A - Generator/Inverter Manufacturer Enter the brand name of the Generator.				
B - Generator/Inverter Model Enter the model name or number assigned by the manufacturer of the Generator.				
C - Generator/Inverter Software Version If this Generator's control and or protective functions are dependent on a software program supplied by the manufacturer of the equipment, please provide the version or release number for the software that will be used.				
D - Is the Generator/Inverter certified? Is the Generator Certified by a Nationally Recognized Testing Laboratory (NRTL) according to Rule 21? Answer "Yes" only if the Generator manufacturer can or has provided certification data. See PG&E's Rule 21, Section L for additional information regarding Generator certification.	____ Yes ____ No	____ Yes ____ No	____ Yes ____ No	____ Yes ____ No

INTERCONNECTION APPLICATION (Form 79-1174)
ATTACHMENT T5
ENERGY STORAGE TECHNOLOGY

Generator Information	Existing Generator type 1	Existing Generator type 2	New Generator type 1	New Generator type 2
E - Generator Design Please indicate the design of each Generator. Designate "Inverter" anytime an inverter is used as the interface between the Generator and the electric system regardless of the primary power production/storage device used.	____ Synch ____ Induct. ____ Inverter	____ Synch ____ Induct. ____ Inverter	__ Synch ____ Induct. ____ Inverter	____ Synch ____ Induct. ____ Inverter
F - Gross Nameplate Rating (kVA) This is the capacity value normally supplied by the manufacturer and stamped on the Generator's nameplate. This value is not required where the manufacturer provides only a kW rating. However, where both kVA and kW values are available, please indicate both.				
G - Energy Storage Electrical Source Function (in addition, please complete section: "Additional Information Required for Energy Storage") List (if any) device(s) used to limit discharge (Inverter, Power Control, etc.)	Max kWh Capacity: _____ Rated kW Discharge: _____ Max kW Discharge: _____ _____ _____ _____ _____	Max kWh Capacity: _____ Rated kW Discharge: _____ Max kW Discharge: _____ _____ _____ _____ _____	Max kWh Capacity: _____ Rated kW Discharge: _____ Max kW Discharge: _____ _____ _____ _____ _____	Max kWh Capacity: _____ Rated kW Discharge: _____ Max kW Discharge: _____ _____ _____ _____ _____
H - Operating Voltage This value should be the voltage rating designated by the manufacturer and used in this Generating Facility. Please indicate phase-to-phase voltages for 3-phase installations. See PG&E's Rule 21, Section H.2.b. and Table H.1., for additional information.				

INTERCONNECTION APPLICATION (Form 79-1174)
ATTACHMENT T5
ENERGY STORAGE TECHNOLOGY

Generator Information	Existing Generator type 1	Existing Generator type 2	New Generator type 1	New Generator type 2
I - Power Factor Rating This value should be the nominal power factor rating designated by the manufacturer for the Generator. See PG&E's Rule 21, Section H.2.i. for additional information.				
J - PF Adjustment Range Where the power factor of the Generator is adjustable, please indicate the maximum and minimum operating values. See PG&E's Rule 21, Section H.2.i.				
K - Wiring Configuration Please indicate whether the Generator is a single-phase or three-phase device. See PG&E's Rule 21, Section H.3.				
L - (MP) 3-Phase Winding Configuration (Choose One) For three-phase generating units, please indicate the configuration of the Generator's windings or inverter systems.	__3 Wire Delta __3 Wire Wye __4 Wire Wye	__3 Wire Delta __3 Wire Wye __4 Wire Wye	__3 Wire Delta __3 Wire Wye __4 Wire Wye	__3 Wire Delta __3 Wire Wye __4 Wire Wye
M - (MP) Neutral Grounding System Used (Choose One) Wye connected generating units are often grounded – either through a resistor or directly, depending upon the nature of the electrical system to which the Generator is connected. If the grounding method used at this facility is not listed, please attach additional descriptive information.	__ Ungrounded __ Solidly Grounded __ Ground Resistor __ Ohms	__ Ungrounded __ Solidly Grounded __ Ground Resistor __ Ohms	__ Ungrounded __ Solidly Grounded __ Ground Resistor __ Ohms	__ Ungrounded __ Solidly Grounded __ Ground Resistor __ Ohms
N - Short Circuit Current Produced by Generator	_____ (Amps)	_____ (Amps)	_____ (Amps)	_____ (Amps)
O – Prime Mover Type Please indicate the type and fuel used as the prime mover or source of energy for the Generator. 1 = Natural Gas 2 = Diesel Fueled 3 = Other Fuel	1 2 3	1 2 3	1 2 3	1 2 3

INTERCONNECTION APPLICATION (Form 79-1174)
ATTACHMENT T5
ENERGY STORAGE TECHNOLOGY

Generator Information	Existing Generator type 1	Existing Generator type 2	New Generator type 1	New Generator type 2
P - AC Disconnect For systems requiring an AC Disconnect only, please include the requested information about the AC Disconnect. See PG&E's Rule 21, Section H.1.d Located within 10 feet of the PG&E meter?	_____ Manufacturer _____ Model # _____ Rating (amps) ____ Yes ____ No	_____ Manufacturer _____ Model # _____ Rating (amps) ____ Yes ____ No	_____ Manufacturer _____ Model # _____ Rating (amps) ____ Yes ____ No	_____ Manufacturer _____ Model # _____ Rating (amps) ____ Yes ____ No
Q - Energy Storage (ES) System (For important sizing information related to DC-Couple configurations, see sizing note below).	_____ Manufacturer _____ Model # _____ Quantity of Units	_____ Manufacturer _____ Model # _____ Quantity of Units	_____ Manufacturer _____ Model # _____ Quantity of Units	_____ Manufacturer _____ Model # _____ Quantity of Units
R - Lineside Tap PG&E has special requirements for a lineside tap. Contact PG&E at: Rule21Gen@PGE.Com for more information.	____ Yes ____ No	____ Yes ____ No	____ Yes ____ No	____ Yes ____ No

INTERCONNECTION APPLICATION (Form 79-1174)
ATTACHMENT T5
ENERGY STORAGE TECHNOLOGY

Energy Storage Charging Function:

Rated Charge Demand (Load): _____ kW

Estimated annual Net Energy Usage* of the energy storage device(s): ____ ____ kWh
*Net Energy usage = (kWh input, including charging, storage device auxiliary loads and losses) – (kWh output including discharging)

Will the Distribution System be used to charge the storage device: ☐ Yes ☐ No

If no: Provide technical description of control systems including (e.g. Nationally-certified piece of equipment, Relays/metering):

Source of energy for Charging: _____

Mechanism to prevent charging from the Distribution System: _____

If Yes: Will charging the storage device(s) increase the host facility's existing peak load demand:

☐ Yes ☐ No

If Yes: Provide the following loading information:

Amount of added peak demand: _____ kW

If no: Provide technical description of controls systems including:

Charging periods: _____

Mechanism to prevent charging from the Distribution System during host facility peak:

_____

Expedited Interconnection Process Selection for Non-Export Energy Storage:

☐ This project meets the requirements identified in Rule 21 Section N and this process is being selected for expedited interconnection.

Note on Sizing (DC-Coupled Configurations)

The size of the storage system in DC-coupled NEM-eligible generator plus storage systems is the lesser of the shared inverter's (or inverters') nameplate capacity (capacities summed) and the storage device's (devices') maximum continuous discharge capacity (capacities summed) listed on the device's (devices') technical specifications sheets. A storage device's maximum continuous discharge capacity may be listed on technical specification sheets using different terminology. Note: PG&E will use common sense to determine whether a device's technical specification sheet includes the appropriate metric for purposes of determining system size, regardless of the terminology used. If that metric is not included, PG&E may rely on the inverter's nameplate rating.

For example:

- What is the maximum continuous discharge capability for each storage unit?
  _____ +_____ +_____ +_____ + _____ =. total_____
- What is each inverter's nameplate rating?
  _____ +_____ +_____ +_____ + _____ =. total_____

INTERCONNECTION APPLICATION (Form 79-1174)
ATTACHMENT P1
RES- BCT

Part I – Applicability and Purpose

This *LOCAL GOVERNMENT APPLICATION FOR AN ARRANGEMENT TO TAKE SERVICE ON RATE SCHEDULE RES-BCT WITH INTERCONNECTED ELIGIBLE RENEWABLE GENERATION OF NOT MORE THAN 5 MEGAWATTS* ("RES-BCT Application") allows for a Local Government, as defined in Rate Schedule RES-BCT, to apply for an Arrangement, as defined in Rate Schedule RES-BCT, to take service on PG&E's electric Rate Schedule *RES-BCT NET ENERGY METERING SERVICE FOR LOCAL GOVERNMENT REMOTE RENEWABLE SELF GENERATION*.

For the Local Government's Arrangement (as defined in the RES-BCT tariff), this Application allows a Local Government to:

a) Elect one or more Generating Accounts with Eligible Renewable Generating Facilities, as defined in Rate Schedule RES-BCT, where each interconnected Eligible Renewable Generating Facilities at the Arrangement, has a capacity of 5 megawatts (5,000 kW) ("Generating Facility") or less; and

b) Interconnect and operate the Eligible Renewable Generating Facilities under the provisions of PG&E's Electric Rule 21;

c) Elect one or more, but no more than 50, Benefiting Account to receive the Bill Credit, as defined in Rate Schedule RES-BCT from the Generating Accounts in (a); and

d) Elect Bill Credit Allocation Percentages for each of the Generating and Benefiting Accounts.

Local Government has elected to apply for service for its Arrangement on Rate Schedule RES-BCT, which involves the interconnection and operation of its Eligible Renewable Generating Facilities in parallel with PG&E's Electric System, primarily to offset part or all of the Arrangement's own electrical requirements at the affiliated Generating and Benefiting Accounts as listed in Appendix A.

Part II – Designation of Bill Credit Allocation Percentages to RES-BCT Arrangement Accounts

A. Section 1 Instructions

- Complete the section below.

Local Government Name	Address	Date
Name: Contact Name: Contact Title:		

- Is this application for a new Arrangement or a reallocation for an existing Arrangement? (For an existing Arrangement, Local Governments may not change the Credit Allocation Percentages more frequently than once in any 12 month period.

- ❑ This Appendix A to the RES-BCT Application is for an allocation for the initial new Arrangement.

- ❑ This Appendix A to the RES-BCT Application is for a reallocation for an existing Arrangement.

- Please use the attached Appendix A Section 2 page to list all Benefiting Accounts that are located in the Arrangement that will be taking service on RES-BCT. Include the Generating Account, and all Benefiting Accounts.

- Please note for each row:

  - **Account Type** - check the one box corresponding to the type of account (that is, Generating or Benefiting Account). There must be at least one Generating Account and one Benefiting Account listed. Every row (account) should have one and only one of these 2 boxes checked. *(Required).* A Rule 21 Application and Interconnection Agreement as described in Section A of the RES-BCT Application will need to be submitted for the Generating Facility at each Generating Account listed below. In the "Designated Account…" column, designate the ONE account to which PG&E should apply any remaining true-up credit as described in the RES-BCT Special Condition 2(h). It may not be the generator account.

  - **Account Address -** Provide an address, including unit number, for all Accounts. *(Required)*

  - **Name** - For Generating and Benefiting Accounts, the Account Holder's name must be entered. *(Required)*

  - **PG&E Account Number -** Enter the PG&E Account number for all accounts. *(Required)*

  - **Otherwise Applicable Rate Schedule** – Enter the PG&E Otherwise Applicable Rate Schedule (OAS) for all accounts. *(Required)*

  - **Bill Credit Allocation Percentage –** For each Generating and Benefiting Account listed, enter the Bill Credit Allocation Percentage to the nearest whole percentage. The total of all Bill Credit Allocation Percentages must equal 100%.

  - **Appendix A, Section 2 Page Numbers –** In the space provided on the bottom of each page, please mark the page number and total number of pages for your Appendix A, Section 2 Account List. (Start with Page 1 and do not count the page numbers for these two instruction pages.) Note that no more than 50 Benefiting Accounts may be included in an Arrangement.

Local Governments are encouraged to not allocate more Bill Credit to an account than will be used annually. If any additional Bill Credit pursuant to RES-BCT Special Condition 2 (c),(d) and (g) remains, PG&E will review the true up bills for the Generating Account and Benefiting Accounts to determine if any charges for the generation component of the energy charge remain to be credited. If yes, PG&E will apply the remaining Bill Credit to the Designated Account. Local Governments are encouraged to not allocate more Bill Credit to an account than will be used annually.

INTERCONNECTION APPLICATION (Form 79-1174)
ATTACHMENT P1
RES- BCT

B. Section 2

#	Account Type Check only one box for each row *(required field)*			Account Address *(required field)*	For Benefiting and Generating Account, List **Name** on Account,	*(Required field for All Accounts)* **PG&E Service Agreement Number**	*(Required field for All Accounts)* **Otherwise Applicable Rate Schedule (OAS) under RES-BCT**	*(Required Field for All Accounts)* **Bill Credit Allocation Percentage** (to the nearest whole percentage)
	Generator Account	Benefiting Account	Designated Account Check *only one* account Must not be a generator account					
1	❑	❑	❑					
2	❑	❑	❑					
3	❑	❑	❑					
4	❑	❑	❑					
5	❑	❑	❑					
6	❑	❑	❑					
7	❑	❑	❑					
8	❑	❑	❑					
9	❑	❑	❑					
10	❑	❑	❑					
11	❑	❑	❑					
12	❑	❑	❑					
13	❑	❑	❑					
14	❑	❑	❑					
15	❑	❑	❑					
Total Bill Credit Allocation Percentage for all accounts over all pages must equal 100% _____								

Note 1) The capacity of all Eligible Renewable Generating Facilities on each Generating Account in the Arrangement must not total more than 5 megawatts.
Note 2) There must be no more than 50 Benefiting Accounts in an Arrangement.
Note 3) The Monthly Billing Setup Recovery Charge for the Arrangement from the RES-BCT tariff will be billed to each Generating Account listed, unless otherwise note

INTERCONNECTION APPLICATION (Form 79-1174)
ATTACHMENT P2
NEMFC LOAD AGGREGATION

As governed by Schedule NEMFC Special Condition 4, for purposes of determining if the eligible Fuel Cell Customer-Generator was a net consumer or a net producer of electricity during each Relevant Period PG&E will aggregate the load of the Fuel Cell Customer-Generator's accounts listed below where the Fuel Cell Customer Generator is the customer of record and the following requirements are met: (i) the accounts are on an applicable time-of-use rate schedule, and (ii) the accounts are located on the property where the Eligible Fuel Cell Electrical Generation Facility is located or on property adjacent or contiguous to that property as long as those properties are solely owned, leased, or rented by the Eligible Fuel Cell Customer-Generator; and (iii) all the accounts are served by the same electric commodity service provider. (i.e. the Eligible Fuel Cell Customer- Generator account and all aggregated accounts must all be on bundled service or all on CCA service, or all on DA service.)

	Meter (Badge) Number	Service Agreement ID	Rate Schedule	Address (Street, City, Zip Code)
1				
2				
3				
4				
5				
6				
7				
8				
9				
10				

INTERCONNECTION APPLICATION (Form 79-1174)
ATTACHMENT P3
NEM LOAD AGGREGATION

Part I

This is an appendix to Form 79-1151A, 79-978, 79-1137 or 79-1069 as applicable. As governed by Schedule NEM Special Condition 7, PG&E will aggregate the load of the Customer-Generator's accounts listed below where the Customer-Generator is the customer of record and the accounts continue to meet the requirements of Special Condition 7 of PG&E's NEM tariff as outlined in the Customer Declaration below.

In accordance with this appendix:

(i) Pursuant to Schedule NEM Special Condition 7 the electricity generated by the renewable electrical generation facility and exported to the grid shall be allocated to each of the aggregated meters in proportion to the electrical load served by those meters, and

(ii) One time set up fee of $25 is assessed for each account in the NEMA arrangement (not to exceed $500). A $5 monthly fee will be assessed for each aggregated account. These fees will be billed to the generating account.

Note these fees are subject to change from time to time. Additional monthly fees (for example, but not limited to, minimum charges, meter fees, demand charges) may also apply to each account, as described in that account's otherwise applicable rate schedule,, and

(iii) Customer-Generator shall permanently be ineligible to receive Assembly Bill (AB) 920 net surplus electricity compensation (NSC), and PG&E shall retain any kilowatt hours in excess of the eligible Customer-Generator's electrical load as determined for each aggregated meter individually. (However, if an Aggregated Account that is not a Generating Account is separated from the Arrangement, and subsequently qualifies for NEM, it may be eligible for NSC.)

This agreement at all times shall be subject to such modifications as the California Public Utilities Commission may direct from time to time in the exercise of its jurisdiction.

Part II

In accordance with Schedule NEM, as Customer-Generator you will be required to represent and warrant under penalty of perjury on the interconnection agreement that:

1) The total annual output in kWh of the generator is less than or equal to 110% (for solar and/or wind systems equal to or less than 30 kW) or 100% (for all other technologies and solar and/or wind systems greater than 30 kW) of the annual aggregated electrical load in kWh of the meters associated with the generator account, including the load on the generating account itself (before being offset by the generator); and

2) Each of the aggregated account meters associated with this NEM generator account are located either

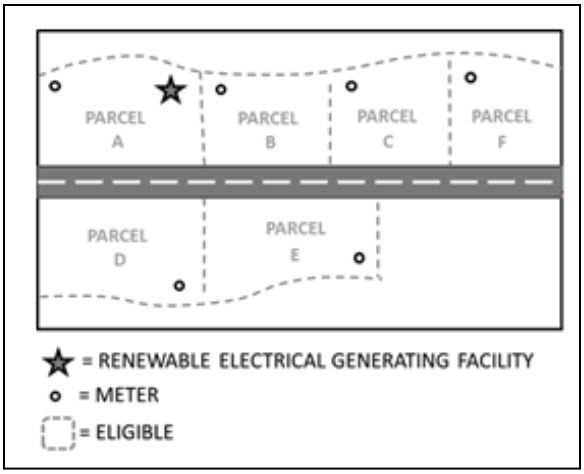
   (i) on the property where the renewable electrical generation facility is located, or

   (ii) are located within an unbroken chain of contiguous parcels that are all solely owned, leased or rented by the customer-generator. For purposes of Load Aggregation, parcels that are divided by a street, highway, or public thoroughfare are considered contiguous, provided they are within an unbroken chain of otherwise contiguous parcels that are all solely owned leased or rented by the customer-generator.

   For example, assume there are five parcels (A, B, C, D, E, and F) that form a cluster of contiguous parcels and D and E are separated from A, B, C and F by a street, highway, or public thoroughfare. For the purposes of participating in Load Aggregation, all five parcels are considered contiguous, provided they are otherwise contiguous and all are solely owned, leased or rented by the customer-generator. Refer to the diagram at left (for illustrative purposes only.)

3) PG&E reserves the right to request a parcel map to confirm the property meets the requirements of 2) above; and

4) You agree to notify PG&E if there is any change of status that makes any of the meters listed in this Appendix ineligible for meter aggregation to ensure that only eligible meters are participating PG&E will require an updated Appendix and Declaration form and



5) In the "Variations on Customer Generator Name" fields on the following table, you may provide all variations of your name. By signing he interconnection agreement you attest that as Customer-Generator, you have sole control of all the parcels establishing contiguity for the Arrangement listed on Page 3 of this Appendix.

Variations on Customer-Generator Name
1)
2)
3)
4)
5)

You will have to sign that you understand that "sole control" means that I solely own, lease or rent each parcel or that I have an irrevocable easement that grants me sole use and control of the entire parcel. I understand that other types of easements are not sufficient to establish contiguity for NEMA.

Part III

A. Second Service For Generator

Requesting Second Service for Generator: ☐ Yes ☐ No

For Load Aggregation Arrangements Requesting an additional service for a Generator Account – Subject to all other applicable rules, an additional service may be allowed for the Generating Account if it has no load other than that associated directly with the Renewable Electric Generation Facility. However, a customer may not subsequently add load to that additional service, and if the Renewable Electrical Generation Facility is removed, the additional service, may not be converted to a load account.

B. Minimum Number of Aggregated Load Accounts

A NEMA Arrangement must have at least two Aggregated Load Accounts. The generator account must have non-generator (existing) load to be counted as an Aggregated Load Account. Generator Accounts interconnected based on Part II A above, will not be counted as an Aggregated Load Account.

INTERCONNECTION APPLICATION (Form 79-1174)
ATTACHMENT P3
NEM LOAD AGGREGATION

NEM Load Aggregation Worksheet								
Accounts	PARCEL NUMBER	ACCOUNT NAME[1] [2]	SERVICE ADDRESS	ELECTRIC ACCOUNT NUMBER[2]	ELECTRIC SERVICE AGREEMENT NUMBER[2]	ELECTRIC METER NUMBER[2]	ELECTRIC RATE SCHEDULE[2]	ANNUAL KWH LOAD[3]
Generator								
Load Acct 1								
Load Acct 2								
Load Acct 3								
Load Acct 4								
Load Acct 5								
Load Acct 6								
Load Acct 7								
Load Acct 8								
Load Acct 9								
Load Acct 10								
							Total Annual kWh	
							(For Standard NEM Solar/Wind less than 30kW) - 110% of Total Annual kWh	
Estimated Annual kWh Production			**Solar** = CEC-AC[4] rating X 1,664[5] **Wind** = Total Inverter Nameplate Rating X 2,190[6] **Other Technologies** = Total Inverter Nameplate Rating X 7,008[7]					

[1] If this is a new account, enter *NEW*.
[2] As listed on your Billing Statement
[3] For previous twelve months from date of signature. Please also enter the annual kWh for generator account prior to the generator being installed; if none, enter zero.
[4] CEC-AC (kW) = California Energy Commission Alternating Current, refers to inverter efficiency rating (Quantity of PV Modules x PTC Rating of PV Modules x CEC Inverter Efficiency Rating)/1000
[5] Estimated Solar Production = 8,760 hrs/yr X 0.19 solar capacity factor = 1,664
[6] Estimated Wind Production = 8,760 hrs/yr X 0.25 wind capacity factor = 2,190
[7] Estimated Other Technologies = 8,760 hrs/yr X 0.80 other technologies capacity factor = 7,008

INTERCONNECTION APPLICATION (Form 79-1174)
ATTACHMENT P4
NEMV

Part I - General Facility

A. Are there any other generators interconnected on this account?

- ❑ Yes
  If yes, specify what kind of generator _____
- ❑ No

B. Are there any possible generator meter access issues?

- ❑ Yes **If yes**, check all that apply:

❑ Locked Room/Gate	❑ Meter located inside of facility/residence
❑ Unrestrained animal at meter or AC disconnect switch location	❑ Other (Please explain) _____

- ❑ No

C. Are any of your accounts on a Demand Response program?

Qualified Customers are eligible for the same demand response programs and solar tariffs as NEM customers. Demand response payments to Qualified Customers will be based on the Qualified Customer's metered usage disregarding any contributions from virtually net-metered generation. Similarly, any other demand response programmatic elements that are affected by a customer's load (e.g., program eligibility) should also exclude from consideration any impacts of NEMV generation.

- ❑ Yes
  If yes, what program are you on? _____
- ❑ No.

D. Generator Interconnection Tie-in Point – Does your interconnection satisfy PG&E's Meter Standards?

- ❑ Yes
- ❑ No. Reason: _____

If after review of a customer's NEMV application PG&E determines a site assessment is essential, then PG&E may conduct a site assessment. Please note that entering PG&E sealed sections of their service panels is unsafe and not permitted without PG&E's supervision and express authorization.

E. Are you planning to meet the requirements specified in the PG&E Greenbook (current reference is "VNEM Installation Requirements", Utility Bulletin TD6999B-005, 02/06/2012)?

- ❑ Yes
- ❑ No. Reason: _____

F. Where are you planning to tie in? Can you provide Switchgear cutsheets, detailing the proposed point of connection and bussing modification / clearances, cutsheets of the NGOM socket, to clearly identify proposed tie-in point?

Location: _____

G. Is the currently proposed tie-in point a result of restrictions placed on altering the existing panel or equipment within, as imposed by the local authority having jurisdiction?

- ❑ Yes - What restriction? _____
- ❑ No.

H. Have you confirmed the Ampere Interrupting capacity (AIC) rating of the existing panel?

- ❑ Yes
- ❑ No. Reason: _____

I. Are there existing PG&E gas or other utility's facilities in the vicinity of the proposed point of interconnection?

INTERCONNECTION APPLICATION (Form 79-1174)
ATTACHMENT P4
NEMV

(Note: Minimum clearances must be maintained from PG&E facilities, as specified in PG&E's Greenbook)

- ❑ Yes - Describe:_____ _____
- ❑ No.

J. Are you going to require PG&E to arrange to de-energize the service panel for you to safely connect the generator to the service panel?

(Note: that the de-energizing process may be as simple as a PG&E Troubleman opening a switch, or as involved as a PG&E crew performing switching, and rearrangement of service wires, and coordinating with neighboring customers that might be impacted by this de-energizing project. **PG&E requires ten (10) business days advance notice prior to performing such a request.)**

- ❑ Yes - Describe:_____ _____
- ❑ No.

K. Can this de-energizing of the service panel be done during normal business hours?

- ❑ Yes
- ❑ No. If not, what time of the week and time of the day do you request this service disconnection to occur?

Mon Tues Wed Thu Fri Sat Sun _____:_____AM_____/_____PM___
(circle day of week) (enter time & circle AM or PM)

Note- the time of de-energizing the service panel will also depend on whether other customers are impacted and their input to the process.

L. What is the duration of the service disconnection requested?

Duration _____

M. Do you need PG&E personnel to stand by while you perform your work?

- ❑ Yes
- ❑ No

N. Will you need to obtain clearance from the local authority having jurisdiction prior to PG&E re-energizing the service panel?

(Note: Some cities/counties require that they have inspected the panel prior to reenergizing. You will need to provide proof of the local authority that your work will not require such approval, or be prepared to provide that to PG&E prior to PG&E re-energizing the panel).

- ❑ Yes
- ❑ No

INTERCONNECTION APPLICATION (Form 79-1174)
ATTACHMENT P4
NEMV

Part 2 - Designation of NEMV Generating Account and Benefitting Accounts and Their Respective Eligible Energy Credit Allocation

Section 1 Instructions

a. Please ensure the information on the Customer and Project Information for account information represents the owner as per NEMV.

b. Is this an application to establishing the Annual Eligible Energy Credit Allocation for a new NEMV Arrangement or for a change to the Allocation for an existing NEMV facility, as described in either NEMV Special Condition 2 or 3(g)?
   ❑ This application is for an allocation for the initial, new NEMV Arrangement:
   ❑ This application is for a reallocation for an existing NEMV Arrangement:

c. Please use the attached Appendix A, Section 2 page to list all Benefitting Accounts in the Arrangement that will be taking service on NEMV. Alternatively, an Applicant may fill out the table below in a digital format (i.e. spreadsheet) and supply that along with the application and agreement to NEMVGen@pge.com The Benefitting Accounts must be associated with the same Generator Account and all must satisfy the applicable Service Delivery Point requirements in the NEMV Applicability Section to be Eligible for Schedule NEMV.

   Please note for each row:
   - **Account Type** – (required) – The Generator Account row should be completed for the pertinent information for each column indicated; the Benefitting Account rows should be complete for the pertinent information for each column indicated. If there are more Benefitting Accounts than will fit on one page please use additional sheets as required and number pages accordingly.
   - **Account Address – (**required) -- Provide an address, including unit / apartment number, for all Accounts (for the Generator Account you may use the street address of the building upon which the generator will be installed).
   - **Occupant's / Owner's Name** – (required) - For the Generator Account enter the Owner's name; for all Benefitting accounts enter the name of the occupant or PG&E customer name for that location.
   - **PG&E Meter Number – (**required) **-** Enter the PG&E Meter Numbers for the all benefitting accounts.
   - **Otherwise Applicable Rate Schedule** – required -- Enter the PG&E Otherwise Applicable Rate Schedule (OAS) for the Generator Account and all Benefitting Accounts.
   - **Eligible Allocation Percentage – (**required) -- For each Benefitting Account listed, enter the Eligible Allocation Percentage to two decimal places. The Eligible Energy Allocation Percentage for each Benefitting Account should be established so that the annual kilowatt hours allocated offsets no more than part or all of the customer's own annual electrical requirements. The total of all Benefitting Account Eligible Allocation Percentages in Appendix A for this NEMV Arrangement must equal exactly 100%. If Owner is changing the Eligible Allocation Percentage on an existing NEMV Arrangement, please list all allocations to confirm they add up to 100% and **circle** the changed allocations.
   - **Designated Unallocated Credit Account** " system operator/qualified customer" has the option to designate the disposition of unallocated credits to either: the Common Area Account, or one Benefiting Account. In the NEMV tariff this is referred to as the "Default Account."
   - **Appendix A, Section 2 Page Numbers –** In the space provided on the bottom of each page, please mark the page number and total number of pages for your Appendix A, Section 2, Account List. (Start with Page 1 and do not count the page numbers for this instruction page. Also indicate on one of the pages if the allocation is for a new Arrangement or an existing Arrangement).

If Owner would like billing data from a Benefiting Account in order to verify the credit allocation they need the Benefitting Account customer's consent. To facilitate this process, here is a link to the *Authorization to Receive Customer Information or Act Upon a Customer's Behalf*: https://www.pge.com/tariffs/assets/pdf/tariffbook/ELEC_FORMS_79-1095.pdf - (Form 79-1095) that would need to be submitted to PG&E prior to release of the Benefitting Account customer's billing data to the Owner.

INTERCONNECTION APPLICATION (Form 79-1174)
ATTACHMENT P4
NEMV

Section 2

Account Type	**Account Address** *(required field)* **(for Generator Account use street address for building with generator account)**	**Occupant's Name,** *(Required field)* **(Generator Accounts *should be under the Owner's Name* Please use name listed on PG&E Account bill)**	**PG&E Meter Number** *(Required field)*	**Otherwise Applicable Rate Schedule** *(Required field)*	**Eligible Allocation Percentage** (*required* – to 2 decimal places, the sum of all Benefitting Account Allocation must total 100%. For changes to Existing NEMV Arrangements, list all percentages but circle all changed percentages)	**Designated Unallocated Credit Account** (optional – check one Common Area or Benefiting Account to receive unallocated credits)
Generator Account						
Benefitting Accounts						
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						

Is this a reallocation of an existing NEMV Arrangement? __ Yes ___ No

INTERCONNECTION APPLICATION (Form 79-1174)
ATTACHMENT L
NEMV

Part 3 - Generator Interconnection Point Documentation

Applicant shall attach the following Documentation:

- the single line diagram to illustrate connection with the selected option provided in the Metering Standard
- the switchgear, switchboard, or main panel cut-sheets/shop drawings detailing the bussing, any modifications, clearances, and proposed point of interconnection. The proposal must include a signed PE stamp and modifications must be certified by the manufacturer or a qualified third party
- pictures of the point of interconnection (see safety "Note" below).
- the meter socket cut-sheets of the net generation output meter socket
- additional material as specified by PG&E

Note: If after review of a customer's NEMV application PG&E determines a site assessment is needed, then PG&E may conduct a site assessment. Owners are reminded that entering PG&E sealed sections of their service panels is unsafe and not permitted without PG&E's supervision and express authorization.

Electric Sample Form No. 79-1174-02 Sheet 1
Rule 21 Generator Interconnection Application

Please Refer to Attached Sample Form

RULE 21 GENERATOR INTERCONNECTION APPLICATION (Form 79-1174-02)

Part I - Introduction and Overview

A. Applicability: This Generating Facility Interconnection Application (Application) is used to request the interconnection to Pacific Gas and Electric Company's (PG&E) Electric System (over which the California Public Utilities Commission (CPUC) has jurisdiction) one or more of the following[1] tariffs:

(1) Non-Exporting Generating Facilities;
(2) NEM2 Solar (PV) (other than PV 30 KW or less)[2]; or RPS Generating Facilities
(3) NEM2 California Dept. of Corrections & Rehabilitation
(4) NEM2A – NEM2 Load Aggregation (under Schedule NEM2)
(5) NEM2MT- generating facilities subject to multiple tariff treatment
(6) RES-BCT (Renewable Energy Self-Generation Bill Credit Transfer) Generating Facilities;
(7) NEMFC / NEMFCA Net Energy Metering for Fuel Cells
(8) NEM2V – Virtual Net Energy Metering
(9) NEMVMASH (on a single Service Delivery Point, or for a Low Income Development)

Refer to PG&E's Electric Rule 21 and program tariffs to determine the specific requirements for interconnecting a Generating Facility. Capitalized terms used in this Application, and not otherwise defined herein, shall have the same meanings as defined in PG&E's Rule 21 and Rule 1.

Except as noted in the next paragraph, this Application may be used for any Generating Facility to be operated by, or for, a Customer and/or Interconnection Customer to supplement or serve part or all of its electric energy requirements that would otherwise be provided by PG&E, including distributed generation, cogeneration, emergency, backup, standby generation, and certain Net Energy Metered Generating Facilities. While Customers operating Generating Facilities isolated from PG&E's Electric System are not obligated to enter into an Interconnection Agreement with PG&E, parts of this Application will still need to be completed to satisfy PG&E's notice requirements for operating an isolated Generating Facility as specified in the California Health and Safety Code Section 119085 (b).

This Application may not be used to apply for interconnecting Generating Facilities used to participate in transactions where all, or a portion of, the electrical output of the Generating Facility is scheduled with the California Independent System Operator (CAISO). Such transactions may be subject to the jurisdiction of the Federal Energy Regulatory Commission (FERC) and require a different application available from PG&E.

This Application is not applicable for incentives and/or rebates offered by the Energy Resources Conservation and Development Commission (CEC), the CPUC or any other entity. Please contact those agencies directly or on their respective websites:

www.energy.ca.gov and www.cpuc.ca.gov.

B. Guidelines and Steps for Interconnection: This Application must be completed and sent to PG&E along with the additional information indicated in Part II below to initiate PG&E's interconnection review of

[1] Also when included with Energy Storage (e.g., batteries), or when operating under the provisions of PU Code 218, where permitted.
[2] For Net Energy Metering Customers with Solar and/or Wind Electric Generating Facilities less than 30 kW that are not paired with Energy Storage, simpler, shorter forms are available from PG&E (i.e., Forms 79-1151-02 A and B). These forms are available on PG&E's website at http://www.pge.com/gen.

the proposed Generating Facility. When applicable per Rule 21, unless exempted by CPUC Decision, a non-refundable Interconnection Request fee shall be invoiced and must be paid by Interconnection Customer. Pursuant to PG&E's Rule 21, there may be additional study and other costs; see PG&E's Rule 21, Sections E.2.c and E.3., for more information regarding interconnection of a generator to PG&E's Electric System.

This document is only an Application. Upon acceptance of the Generating Facilities, PG&E will prepare an Interconnection Agreement for execution by the Interconnection Customer, the party that will be responsible for the Generating Facility. PG&E may also require an inspection and testing of the Generating Facility and installation of any related Interconnection Facilities prior to giving the Interconnection Customer written authorization to operate in parallel. **Unauthorized Parallel Operation may be dangerous and may result in injury to persons and/or may cause damage to equipment and/or property for which a Interconnection Customer/Customer may be liable!**

Please note, other approvals may need to be acquired, and/or other agreements may need to be formed with PG&E or regulatory agencies, such as the Air Quality Management Districts and local governmental building and planning commissions, prior to operating a Generating Facility. PG&E's authorization to operate in parallel does not satisfy the need for an Interconnection Customer to acquire such other approvals.

Part II – Describing the Generating Facility and Host Customer's Electrical Facilities

Required Documents: Each of the following documents **is required to be submitted** before this application will be processed. Drawings must conform to accepted engineering standards and must be legible. Electronic documents are preferred.

1. A **Single-line drawing** showing the electrical relationship and descriptions of the significant electrical components such as the primary switchgear, secondary switchboard, protective relays, transformers, generators, circuit breakers, with operating voltages, capacities, and protective functions of the Generating Facility, the Customer's loads, and the interconnection with PG&E's Electric System. Please show the location of all required net generation electric output meter(s) and the A.C. manual operated disconnect switch on the single line drawing, when required.
2. **Site plans and diagrams** showing the physical relationship of the significant electrical components of the Generating Facility such as generators, transformers, primary switchgear/secondary switchboard, and control panels, the Customer's loads and the interconnection with PG&E's Electric System. Please show the location of all required net generation electric output meter(s) and the A.C. manual operated disconnect switch on the site plans, when required.
3. **Disconnect Switch Specification Sheet** - as required in Rule 21 Section H.1.d, along with the disconnect switch specification sheet.

   PG&E allows only one AC Disconnect for a generating facility but does makes exceptions upon review and approval. Please provide a Variance Letter explaining why multiple AC disconnect switches are needed. This Variance Request will be reviewed in parallel with the Engineering Review.

4. **Variance Request** - A variance request will be required for anything outside Electric Rule 21[3], PG&E's Greenbook[4], or PG&E's Distribution or Transmission Interconnection Handbooks[5,6] stated requirements. (See links below)
5. **Transformer nameplate information** - Provide **transformer nameplate information** (voltages, capacity, winding arrangements, connections, impedance, et cetera), if transformers are used to interconnect the Generating Facility with PG&E's Electric System,
6. **Transfer switch/scheme documentation** - If used to interconnect the Generating Facility with PG&E Electric System, Documentation shall include component descriptions, capacity ratings, and a technical description of how the transfer scheme is intended to operate.
7. **Protective relay documentation** If used to control the interconnection, documentation shall include protection diagrams or elementary drawings showing relay wiring and connections, proposed relay settings, and a description of how the protection scheme is intended to function.

Part III Application Appendices

Application Instructions: Complete this application for the complete Generating Facility and enter this information into PG&E's web-based form. (PG&E strongly recommends preparing all information and materials before starting the online application.) The online web-based form can be found at:

https://www.pge.com/en_US/for-our-business-partners/interconnection-renewables/interconnections-renewables.page?ctx=large-business

Questions concerning PG&E's Online Application process can be directed to the Electric Generation Interconnection Department at rule21gen@pge.com.

For each new generating facility you are applying to interconnect, please complete and submit the applicable appendices.

[3] Rule 21 can be found at: https://www.pge.com/tariffs/assets/pdf/tariffbook/ELEC_RULES_21.pdf
[4] PG&E's Greenbook can be found at: http://www.pge.com/greenbook/
[5] Distribution Interconnection Handbook (DIH) can be found at: https://www.pge.com/en_US/large-business/services/alternatives-to-pge/distribution-handbook.page
[6] Transmission Interconnection Handbook (TIH) can be found at: https://www.pge.com/en_US/large-business/services/alternatives-to-pge/third-party-electric-options/electric-transmission-services/transmission-interconnection-handbooks.page

Part IV Attachments / On-Line Form - Overview

Table 1 - Summary of the attachment to this form.

		Attachment	Project Type
	1	INFO	Customer Project Information
EXPORT	2	NX	Non Export
	3	EX	Export
TECHNOLOGY	4	T1	Solar (PV) Only
	5	T2	Wind Only
	6	T3	Machine-Based Only
	7	T4	Fuel Cell
	8	T5	Energy Storage Only
TARIFF PROGRAM	9	P1	RES-BCT
	10	P2	NEM2A
	11	P3	NEMFCA
	12	P4	NEM2V
	13	P5	NEMVMASH
	14	P6	NEMVMASH Development

Table 2 below summarizes which attachments to this form will be required for each tariffed program.

Table 2 – New Application Form/Attachments as they apply to PG&E's Various Tariffed Programs

Category			Non-Export	NEMEXP	RES-BCT	NEM2A	NEMFC	NEM2V	NEMVMASH
	Main (79-1184)	Customer info							
	INFO	Customer & Project info							
Rule 21 - must complete one of these Attachments	NX	Non-export							
	EX	Export							
Each generating facility must complete one corresponding to technology	T1	Solar							
	T2	Wind							
	T3	Machine		(1)	(1)	(1)		(1)	
	T4	Fuel Cell		(1)	(1)	(1)	(2)	(1)	
	T5	Storage		(3)	(3)	(3)	(3)		
Complete Attachment that corresponds to tariff program for a generating facility	P1	RES-BCT							
	P2	NEM2A							
	P3	Fuel Cell Aggregation							
	P4	NEM2V							
	P5	NEMVMASH Single building							
	P6	NEMVMASH development							

Black – must be complete.
Grey – at least one option in category must be selected

Note (1) – must be fueled with a renewable (RPS-Eligible) fuel.
Note (2) – may be fueled with a non-renewable fuel.
Note (3) – treatment consistent with Decision 14-05-033, if NEM paired.

If an applicant's project has multiple generating facilities, they would need to complete all forms/screens relevant for each generating facility in technology and tariff program (e.g. for NEM2MT).

INTERCONNECTION APPLICATION (Form 79-1174-02)
ATTACHMENT INFO
CUSTOMER AND PROJECT INFORMATION

Part I - Selecting the Study Process

Please check one:

- ❑ Fast Track Process[1].
- ❑ Greater than 1 MW generation facility,
- ❑ Detailed Study (not typical)
  - Will be either an Independent Study Process, Distribution Group Study Process or Transmission Cluster Study Process, dependent upon the Electrical Independence Tests.

Part II – Identifying the Generating Facility Location and Responsible Parties

Project Name:

A. Generating Facility Account Information (What electric service will the Generating Facility be interconnected for parallel operation with PG&E? For aggregated electric accounts provide the primary account and meter information).

Name shown on PG&E service account	Electric Service Agreement ID number - 10-digits	Electric Badge (Meter) Number - 6-10 digits (alpha numeric)

NOTE: ***Customer Electric account must match the customer's utility bill account information.***

		CA	
Meter Location Street Address	City	State	Zip - 5-digits

Please check all that apply:

- ❑ A New Generating Facility interconnection (at an existing service).
- ❑ Physical Changes to an interconnected Generating Facility with previous approval by PG&E (adding PV panels, adding energy storage as an addition or enhancement, changing inverters/turbines or changing load and/or operations).
- ❑ A New interconnection in conjunction with a new service.
  - An **Application for Service** must be completed. Additional fees may be required if a service or line extension is required (in accordance with PG&E Electric Rules 15 and 16). Please contact PG&E at 1-800-PGE-5000 or Rule21Gen@pge.com.
- ❑ An Interconnection under Direct Access (DA).
  - Customers applying for interconnection who are served under Direct Access by an Electric Service Provider (ESP) must contact their ESP directly for information regarding the options available under their Direct Access contract.

[1] See Electric Rule 21 for FAST TRACK requirements.

- ❑ An Interconnection under Community Choice Aggregation Service (CCA Service).
  - Customers applying for interconnection who are served under Community Choice Aggregation Service (CCA Service) by a Community Choice Aggregator (CCA) must contact their CCA directly for information regarding the options available under their CCA Service Program.
- ❑ An interconnected non-exporting Generating Facility (load always exceeds generation).

B. Customer Account Contact Information -

Mailing Address			
City		State	Zip - 5-digits
( ) -_____	( ) -_____		
Business Phone	Home Phone	Fax	Email

C. Contractor Information (Must be completed even if Contractor will not serve as a PG&E contact).

Contact		Company Name	
Mailing Address			
City		State	Zip - 5-digits
( ) -	( ) -		
Business Phone	Fax	Email	
☐ Yes ☐ No			
Does Contractor have Contractors State License Board (CSLB) Number?	Contractors State License Board Number		

D. Project Contact Information (Who is the project manager for this Generating Facility?)

Contact	Company Name
Mailing Address	

INTERCONNECTION APPLICATION (Form 79-1174-02)
ATTACHMENT INFO
CUSTOMER AND PROJECT INFORMATION

City		State	Zip - 5-digits
( ) -	( ) -		
Business Phone	Fax	Email	

What is the **maximum 3-phase fault current** that will be contributed by the Generating Facility to a 3-phase fault at the Point of Common Coupling (PCC)? (If the Generating Facility is single phase in design, please provide the contribution for a line-to-line fault).	_____ Amps
Please indicate the **short circuit interrupting rating** of the host Customer facility's service panel:	_____ Amps

Refer to PG&E's Rule 21, Section G, for significance and additional information. To determine this value, any transformers and/or significant lengths of interconnecting conductor used between each of the Generators (if there are more than one) that make up the Generating Facility and the PCC must be taken into account. The details, impedance, and arrangement of such transformers and interconnecting conductors should be shown on the single-line diagram that is provided. Consult an electrical engineer or the equipment supplier if assistance is needed in answering this question.

It is expected that most Applicants will want to reserve the flexibility to operate any or all of their Generators in parallel. If the design of the proposed Generating Facility limits the amount of generation that may be interconnected at any time to PG&E's Electric System, please describe the assumptions used in calculating the maximum fault current contribution value.

For Customer applying for interconnection under Schedules
i) NEM2 – Net Energy Metering Service (including NEM2A – Load Aggregation,. Or NEM2MT- Multiple Tariff- with a NEM2 eligible generator), or
ii) NEM2V – Virtual Net Energy Metering Service, or
iii) NEM2VMS- Virtual Net Energy Metering For Multifamily Affordable Housing (MASH/NSHP) With Solar Generator(s),
please note, pursuant to California Public Utilities Commission Decision (D.) 16-01-044:

CEC Listed
In order to promote the safety and reliability of the customer's Generating Facility, the applicant certifies that as a part its request for NEM2, that all major solar system components are on the verified equipment list maintained by the California Energy Commission and certifies that other equipment, as determined by PG&E, has safety certification from a nationally recognized testing laboratory.

Warranties or Service Agreements
Applicant certifies as a part of its interconnection request for NEM2 that:
(i) a warranty of at least 10 years has been provided on all equipment and on its installation, or
(ii) a 10-year service warranty or executed "agreement" has been provided ensuring proper maintenance and continued system performance.

Interconnection Fees
Customers on this tariff must pay for the interconnection of their Generation Facilities as provided in Electric Rule 21.

INTERCONNECTION APPLICATION (Form 79-1174-02)
ATTACHMENT NX
NON-EXPORT

Interconnection Agreement Type

Please select one option below:

☐ Non-Export A Generating Facility Interconnection Agreement that provides for parallel operation of the Generating Facility, but does not provide for exporting power to PG&E's Electric System. This non-export agreement, however does allow the occasional and uncompensated export of energy to PG&E's Electric System for less than 2 seconds in duration.

☐ Uncompensated Export A Generating Facility Interconnection Export Addendum that provides for parallel operation of the Generating Facility and the occasional, continuous, non-compensated, export of generator facilities sized 2 MW or less to PG&E's Electric System. Continuous export is export greater than 60 seconds in duration. This addendum must be executed in concert with the generating facility interconnection agreement.

Third Party Generating Facility Ownership

☐ Third Party Owned Generating Facility A Generating Facility Interconnection Agreement that provides for parallel operation of the 3rd Party owned Generating Facility, but does not provide for exporting energy to PG&E's Electric System; as well as a Customer Generation Agreement that defines the relationship between the Customer whose name appears on PG&E's electric service account. If this option is chosen, please complete the Third Party Generating Facility Ownership section below.

Customer Generation Agreement (CGA) (for 3rd Party Generator on Premises) Information (Please identify the PG&E Customer of Record where Generating Facility will be installed). CGA is not applicable to Net Energy Metering 2 (NEM2) Applicants because PG&E and the Customer, not the 3rd Party if any, must enter into the Net Energy Metering Interconnection Agreement.

Company Name to be entered on CGA	**Legal Title of Host Facility to be entered on CGA**	
Person Executing the CGA	**Title of Person Executing the CGA**	
	( ) ____ - _____	
Mailing Address	**Phone**	**E-Mail**

Generating Facility Interconnection Agreement (GFIA) for 3rd Party Owner – GFIA Information

☐ Generating Facility Interconnection Agreement (GFIA) for 3rd Party Owner will be executed by Contractor

Please identify the Party that will own the Generating Facility.
This Section is not applicable to Net Energy Metering 2 (NEM2) Applicants because PG&E and the Customer, not the 3rd Party if any, must enter into the Net Energy Metering 2 Interconnection Agreement.

Company Name to be entered on GFIA	**Legal Title of Company to be entered on GFIA**	
	( ) ____ - _____	
Mailing Address	**Phone**	**E-Mail**

Part II – Generating Facility Operational Details

Operating Modes: Please select one box below:

☐ **Parallel Operation:** The Generating Facility will interconnect and operate "in parallel" with PG&E's Electric System for more than one (1) second.

Please supply all of the information requested for the Generating Facility. Be sure to supply adequate information including diagrams and written descriptions regarding the protective relays that will be used to detect faults or abnormal operating conditions on PG&E's Electric System.

☐ **Inadvertent Export:** The Generating Facility will interconnect and operate, providing unscheduled and uncompensated export of real power for a duration exceeding two (2) seconds but fewer than sixty (60) seconds. The expected frequency of "inadvertent export" occurrences should be less than two occurrences per 24-hour period. Protective Functions, technical requirements and operational limitations are described in Rule 21, Section M.

Be sure to supply adequate information including diagrams and written descriptions regarding the switching device or scheme that will be used to limit the parallel operation period to one second or less. Please also describe the back up or protective device and controls that will trip the Generating Facility should the transfer switch or scheme not complete the transfer in one second or less.

☐ **Momentary Parallel Operation (MP):** The Generating Facility will interconnect and operate on a "momentary parallel" basis with PG&E's Electric System for a duration of one (1) second or less through transfer switches or operating schemes specifically designed and engineered for such operation.

Be sure to supply adequate information including diagrams and written descriptions regarding the switching device or scheme that will be used to limit the parallel operation period to one second or less. Please also describe the back up or protective device and controls that will trip the Generating Facility should the transfer switch or scheme not complete the transfer in one second or less.

☐ **Isolated Operation (I):** The Generating Facility will be "isolated" and prevented from becoming interconnected with PG&E's Electric System through a transfer switch or operating scheme specifically designed and engineered for such operation.

Be sure to supply adequate information including diagrams and written descriptions regarding the isolating switching device or scheme that will be used to prevent the Generating Facility from operating in parallel with PG&E's Electric System.

Parallel and Inadvertent Export Options Please select one box below:

- ❑ A **reverse-power protection device** will be installed to measure any export of power and trip the Generating Facility or open an intertie breaker to isolate the Generating Facility if limits are exceeded.
- ❑ An **under-power protection device** will be installed to measure the inflow of power and trip or reduce the output of the Generating Facility if limits are not maintained.
- ❑ The Generating Facility Interconnection Facility equipment has been **certified as non-islanding and the incidental export of power will be limited by the design of the interconnection**. If this option is to be used, the nominal ampere rating of the service entrance equipment (service panel rating) that is used by the host Customer facility is: _____.
- ❑ The **Gross Nameplate Rating of the Generating Facility will not exceed 50% of the host Customer facility's minimum electrical load over the past 12 months**. If this option is to be used, the minimum load of the host Customer facility must be stated in the space provided above.

The Generating Facility **completely offset their facility load** by being (a) optimally sized to meet their peak demand with load following functionality on the Generator controls and (b) ensuring conditional (inadvertent) export of electric power from the Generation Facility to Distribution Provider's Distribution or Transmission System occurs no more frequently than twice in any 24 hour period and the exports are greater than 2 seconds but no more than more than 60 seconds.

With the approval of PG&E, a Producer that wishes to retain the option to export power from a Generating Facility to PG&E's Electric System may use a different protection scheme that provides for the detection of faults and other abnormal operating conditions.

Please indicate:

- ❑ Standby / Emergency / Backup – Where the Generating Facility will normally be operated only when PG&E's electric service is not available.
- ❑ Qualifying Facility (QF) Status will be obtained from the FERC for this Generating Facility.

  Instructions and Notes: Parties operating Generating Facilities (QF) complying with all of the requirements for qualification as either a small power production facility or cogeneration facility pursuant to the regulations of the FERC (18 Code of Federal Regulations Part 292, Section 292.203 et seq.) implementing the Public Utility Regulatory Policies Act of 1978 (16 U.S.C.A. Section 796, et seq.), or any successor requirements for Qualifying Facilities, may seek certification from FERC to have the Generating Facility designated as a Qualifying Facility or "QF." In summary, QFs are Generating Facilities using renewable or alternative fuels as a primary energy source or facilities that utilize the thermal energy given off by the generation process for some other useful purpose. QFs enjoy certain rights and privileges not available to non-QF Generating Facilities.

  QF status is not required to interconnect and operate in parallel with PG&E's Electric System.

INTERCONNECTION APPLICATION (Form 79-1174-02)
ATTACHMENT EX
EXPORT

Describing the Export Operation

Interconnection Service Requirements: (Please select one box below)

☐ Existing Service (currently metered PG&E service)

☐ New Generation-only Service (no load other than ancillary required for Generating Facility)
NEMVMASH participants must select either this option or the next

☐ New Generation-only Meter Tap (at location of existing service)
NEM2V applicants must select this option

If new generation-only service is needed, please indicate the requested voltage level: (Please select one box below)

☐ Secondary (up to 480V)

☐ Primary (up to 59 kV)

☐ Transmission (60 kV and up)

Power Export:

Generator Nameplate[1] Export (kW) _____

Maximum Expected Facility Net Export (kW) _____

Applications to interconnect systems located in San Francisco or Oakland may require additional analysis to determine whether or not their proposed installation is on PG&E's networked secondary system. Networked secondary systems are in place to provide heightened levels of reliability in densely populated areas and may affect the ability of PG&E to interconnect NEM customers.

☐ Is the proposed installation is in San Francisco where the zip code is 94102, 94103, 94104, 94105, 94107, 94108, 94109, 94111 or 94133 or in Oakland where the zip code is 94607 or 94612?

[1] Please note that for Generating Facilities larger than 1 MW interconnecting to existing secondary voltage services, the revenue meter may require power loss adjustment.

INTERCONNECTION APPLICATION (Form 79-1174-02)
ATTACHMENT T1
SOLAR (PV) TECHNOLOGY

Part I - Describing the Generating Facility and Host Customer's Electrical Facilities

Please complete the following table for the specific generator technology indicated.

Instructions				
Inverter	Existing Generator type 1	Existing Generator type 2	New Generator type 1	New Generator type 2
Please indicate the number of each "**type" and quantity** of Generator being installed Be sure all Generators classified as one "type" are identical in all respects. If only one type of Generator is to be used, only one column needs to be completed.				
A - Generator/Inverter Manufacturer Enter the brand name of the Generator.				
B - Generator/Inverter Model Enter the model name or number assigned by the manufacturer of the Generator.				
C - Generator/Inverter Software Version If this Generator's control and or protective functions are dependent on a software program supplied by the manufacturer of the equipment, please provide the version or release number for the software that will be used.				
D - Is the Generator/Inverter certified? Applicant has verified that all major solar system components are on the verified equipment list maintained by the California Energy Commission and other equipment, as determined by PG&E, has been verified by the customer as having safety certification from a nationally recognized testing laboratory. See PG&E's Rule 21, Section L for additional information regarding Generator certification.	____ Yes ____ No	____ Yes ____ No	____ Yes ____ No	____ Yes ____ No

INTERCONNECTION APPLICATION (Form 79-1174-02)
ATTACHMENT T1
SOLAR (PV) TECHNOLOGY

Generator Information	Existing Generator type 1	Existing Generator type 2	New Generator type 1	New Generator type 2
E - Modules.	Manufacturer Model #. Quantity	Manufacturer Model #. Quantity	Manufacturer Model #. Quantity	Manufacturer Model #. Quantity
F - Gross Nameplate Rating (kVA) This is the capacity value normally supplied by the manufacturer and stamped on the Generator's nameplate. This value is not required where the manufacturer provides only a kW rating. However, where both kVA and kW values are available, please indicate both.				
G - Operating Voltage This value should be the voltage rating designated by the manufacturer and used in this Generating Facility. Please indicate phase-to-phase voltages for 3-phase installations. See PG&E's Rule 21, Section H.2.b. and Table H.1., for additional information.				
H - Power Factor Rating This value should be the nominal power factor rating designated by the manufacturer for the Generator. See PG&E's Rule 21, Section H.2.i. for additional information.				
I - PF Adjustment Range Where the power factor of the Generator is adjustable, please indicate the maximum and minimum operating values. See PG&E's Rule 21, Section H.2.i.				
J - Wiring Configuration Please indicate whether the Generator is a single-phase or three-phase device. See PG&E's Rule 21, Section H.3.				

INTERCONNECTION APPLICATION (Form 79-1174-02)
ATTACHMENT T1
SOLAR (PV) TECHNOLOGY

Generator Information	Existing Generator type 1	Existing Generator type 2	New Generator type 1	New Generator type 2
K - AC Disconnect For systems requiring an AC Disconnect only, please include the requested information about the AC Disconnect. See PG&E's Rule 21, Section H.1.d	_____ Manufacturer _____ Model # _____ Rating (amps)	_____ Manufacturer _____ Model # _____ Rating (amps)	_____ Manufacturer _____ Model # _____ Rating (amps)	_____ Manufacturer _____ Model # _____ Rating (amps)
Located within 10 feet of the PG&E meter?	____ Yes ____ No	____ Yes ____ No	____ Yes ____ No	____ Yes ____ No
L - Lineside Tap PG&E has special requirements for a lineside tap. Contact PG&E at: Rule21Gen@PGE.com for more information.	____ Yes ____ No	____ Yes ____ No	____ Yes ____ No	____ Yes ____ No
N - Warranty or Service Agreement Applicant has verified that (i) a warranty of at least 10 years has been provided on all equipment and on its installation, or (ii) have a 10-year service warranty or executed "agreement" ensuring proper maintenance and continued system performance.	____ Yes ____ No	____ Yes ____ No	____ Yes ____ No	____ Yes ____ No

Part II Solar Statistics Data Fields

Per Appendix A of CPUC D. 14-11-001, the following data fields must all be completed, in their entirety, in order to initiate PG&E's interconnection review of the proposed Generating Facility. *Only complete Part II if the solar generating facility is serving as part of a Net Energy Metering (NEM2) arrangement..*

A. Customer Sector (Check one)

❑ Residential ❑ Educational ❑ Industrial
❑ Commercial ❑ Military ❑ Non-Profit
❑ Other Government

SOLAR (PV) TECHNOLOGY

B. Are Performance Monitoring and Reporting Services (PMRS) being utilized?

❑ Yes ❑ No

If yes, please indicate who is receiving the data? (check all that apply)

❑ Customer

❑ 3rd Party (list name) _____

C. Are there electric vehicles charging on site at the above generating facility address?

❑ Yes ❑ No

If yes, please indicate how many electric vehicles _____

D. System Ownership and Financing

i. System Owner (check one):

❑ PG&E Customer Owned

If PG&E Customer Owned, please answer the following:

Indicate the System Cost paid by Customer: $_____

Property Assessed Clean Energy (PACE) Financed?

❑ Yes ❑ No

If Yes, PACE financed by which entity? _____

❑ Third Party Owned

If Third Party Owned, please answer the following:

Claimed Federal Investment Tax Credit (ITC) Cost Basis: $_____

Name of Developer at the time of sale:

_____

Contract Type: ❑ PPA ❑ Lease ❑ Pre-Paid Lease ❑ Other _____

ii. Rebate Information:

Did you participate in a California rebate program? ❑ Yes ❑ No

Please indicate the rebate program that you participated in: _____

Rebate Amount: $_____

If you are participating in the Single-family Affordable Solar Home (SASH) program, please provide SASH project number: _____

E. Additional Generating Facility Information (Solar PV Only)

i. Mounting Method: ❑ Rooftop ❑ Ground ❑ Mixed

ii. Tracking Type: ❑ Fixed ❑ Single-Axis ❑ Dual-Axis ❑ Mixed

If fixed, please indicate: Tilt: _____degrees Azimuth: _____degrees

F. Installer's/Vendor's California State Contractor License Number: _____

INTERCONNECTION APPLICATION (Form 79-1174-02)
ATTACHMENT T2
WIND TURBINE TECHNOLOGY

Please complete the following table for the specific generator technology indicated.

Instructions				
Generator Information	Existing Generator type 1	Existing Generator type 2	New Generator type 1	New Generator type 2
Please indicate the number of each "**type" and quantity** of Generator being installed Be sure all Generators classified as one "type" are identical in all respects. If only one type of Generator is to be used, only one column needs to be completed.	Type: _____ Qty.: _____	Type: _____ Qty.: _____	Type: _____ Qty.: _____	Type: _____ Qty.: _____
A - Generator/Inverter Manufacturer Enter the brand name of the Generator.				
B - Generator/Inverter Model Enter the model name or number assigned by the manufacturer of the Generator.				
C - Generator/Inverter Software Version If this Generator's control and or protective functions are dependent on a software program supplied by the manufacturer of the equipment, please provide the version or release number for the software that will be used.				
D - Is the Inverter certified? Applicant has verified that all major solar system components are on the verified equipment list maintained by the California Energy Commission and other equipment, as determined by PG&E, has been verified by the customer as having safety certification from a nationally recognized testing laboratory. See PG&E's Rule 21, Section L for additional information regarding Generator certification.	____ Yes ____ No	____ Yes ____ No	____ Yes ____ No	____Yes ____ No
E - Generator Design Please indicate the design of each Generator. Designate "Inverter" anytime an inverter is used as the interface between the Generator and the electric system regardless of the primary power production/storage device used.	____ Synch ____ Induct. ____ Inverter	____ Synch ____ Induct. ____ Inverter	____ Synch ____ Induct. ____ Inverter	____ Synch ____ Induct. ____ Inverter

WIND TURBINE TECHNOLOGY

Generator Information	Existing Generator type 1	Existing Generator type 2	New Generator type 1	New Generator type 2
F - Gross Nameplate Rating (kVA) This is the capacity value normally supplied by the manufacturer and stamped on the Generator's nameplate. This value is not required where the manufacturer provides only a kW rating. However, where both kVA and kW values are available, please indicate both.				
G - Operating Voltage This value should be the voltage rating designated by the manufacturer and used in this Generating Facility. Please indicate phase-to-phase voltages for 3-phase installations. See PG&E's Rule 21, Section H.2.b. and Table H.1., for additional information.				
H - Power Factor Rating This value should be the nominal power factor rating designated by the manufacturer for the Generator. See PG&E's Rule 21, Section H.2.i. for additional information.				
I - PF Adjustment Range Where the power factor of the Generator is adjustable, please indicate the maximum and minimum operating values. See PG&E's Rule 21, Section H.2.i.				
J - Wiring Configuration Please indicate whether the Generator is a single-phase or three-phase device. See PG&E's Rule 21, Section H.3.				
K - (MP) 3-Phase Winding Configuration (Choose One) For three-phase generating units, please indicate the configuration of the Generator's windings or inverter systems.	__3 Wire Delta __3 Wire Wye __4 Wire Wye	__3 Wire Delta __3 Wire Wye __4 Wire Wye	__3 Wire Delta __3 Wire Wye __4 Wire Wye	__3 Wire Delta __3 Wire Wye __4 Wire Wye

INTERCONNECTION APPLICATION (Form 79-1174-02)
ATTACHMENT T2
WIND TURBINE TECHNOLOGY

Generator Information	Existing Generator type 1	Existing Generator type 2	New Generator type 1	New Generator type 2
L - (MP) Neutral Grounding System Used (Choose One) Wye connected generating units are often grounded – either through a resistor or directly, depending upon the nature of the electrical system to which the Generator is connected. If the grounding method used at this facility is not listed, please attach additional descriptive information.	___ Ungrounded ___ Solidly Grounded ___ Ground Resistor ___ Ohms	___ Ungrounded ___ Solidly Grounded ___ Ground Resistor ___ Ohms	___ Ungrounded ___ Solidly Grounded ___ Ground Resistor ___ Ohms	___ Ungrounded ___ Solidly Grounded ___ Ground Resistor ___ Ohms
M - *Induction Generators Only:* Locked Rotor Current: ***Stator Resistance:*** Stator Leakage Reactance: Rotor Resistance: Rotor Leakage Reactance: If the Generator is of an induction design, please provide the "locked rotor current" value supplied by the manufacturer. If this value is not available, the stator resistance, stator leakage reactance, rotor resistance, rotor leakage reactance values supplied by the manufacturer may be used to determine the locked rotor current. If the Generator's Gross Nameplate Capacity is 10 MW or greater, PG&E may request additional data to better model the nature and behavior of the Generator with relation to its Electric System.	_____ (Amps) _____(%) _____(%) _____(%) _____(%)	_____ (Amps) _____(%) _____(%) _____(%) _____(%)	_____ (Amps) _____(%) _____(%) _____(%) _____(%)	_____ (Amps) _____(%) _____(%) _____(%) _____(%)
N - Short Circuit Current Produced by Generator:	_____ (Amps)	_____ (Amps)	_____ (Amps)	_____ (Amps)
O - AC Disconnect For systems requiring an AC Disconnect only, please include the requested information about the AC Disconnect. See PG&E's Rule 21, Section H.1.d Located within 10 feet of the PG&E meter?	_____ Manufacturer _____ Model # _____ Rating (amps) ____ Yes ____ No	_____ Manufacturer _____ Model # _____ Rating (amps) ____ Yes ____ No	_____ Manufacturer _____ Model # _____ Rating (amps) ____ Yes ____ No	_____ Manufacturer _____ Model # _____ Rating (amps) ____ Yes ____ No
P - Lineside Tap PG&E has special requirements for a lineside tap. Contact PG&E at: Rule21Gen@PGE.com for more information.	____ Yes ____ No	____ Yes ____ No	____ Yes ____ No	____ Yes ____ No
Q – Warranty or Service Agreement Applicant has verified that (i) a warranty of at least 10 years has been provided on all equipment and on its installation, or (ii) have a 10-year service warranty or executed "agreement" ensuring proper maintenance and continued system performance.	____ Yes ____ No	____ Yes ____ No	____ Yes ____ No	____ Yes ____ No

INTERCONNECTION APPLICATION (Form 79-1174-02)
ATTACHMENT T3
MACHINE-BASED TECHNOLOGY

Please complete the following table for the specific generator technology indicated.

Instructions				
Generator Information	Existing Generator type 1	Existing Generator type 2	New Generator type 1	New Generator type 2
Please indicate the number of each "**type" and quantity** of Generator being installed. Be sure all Generators classified as one "type" are identical in all respects. If only one type of Generator is to be used, only one column needs to be completed.				
A - Generator/Inverter Manufacturer Enter the brand name of the Generator.				
B - Generator/Inverter Model Enter the model name or number assigned by the manufacturer of the Generator.				
C - Generator/Inverter Software Version If this Generator's control and or protective functions are dependent on a software program supplied by the manufacturer of the equipment, please provide the version or release number for the software that will be used.				
D - Is the Generator/Inverter certified? Applicant has verified that all major solar system components are on the verified equipment list maintained by the California Energy Commission and other equipment, as determined by PG&E, has been verified by the customer as having safety certification from a nationally recognized testing laboratory. See PG&E's Rule 21, Section L for additional information regarding Generator certification.	____ Yes ____ No	____ Yes ____ No	____ Yes ____ No	____ Yes ____ No
F - Gross Nameplate Rating (kVA) This is the capacity value normally supplied by the manufacturer and stamped on the Generator's nameplate. This value is not required where the manufacturer provides only a kW rating. However, where both kVA and kW values are available, please indicate both.				

INTERCONNECTION APPLICATION (Form 79-1174-02)
ATTACHMENT T3
MACHINE-BASED TECHNOLOGY

Generator Information	Existing Generator type 1	Existing Generator type 2	New Generator type 1	New Generator type 2
G - Operating Voltage This value should be the voltage rating designated by the manufacturer and used in this Generating Facility. Please indicate phase-to-phase voltages for 3-phase installations. See PG&E's Rule 21, Section H.2.b. and Table H.1., for additional information.				
H - Power Factor Rating This value should be the nominal power factor rating designated by the manufacturer for the Generator. See PG&E's Rule 21, Section H.2.i. for additional information.				
I - PF Adjustment Range Where the power factor of the Generator is adjustable, please indicate the maximum and minimum operating values. See PG&E's Rule 21, Section H.2.i.				
J - Wiring Configuration Please indicate whether the Generator is a single-phase or three-phase device. See PG&E's Rule 21, Section H.3.				
K - (MP) 3-Phase Winding Configuration (Choose One) For three-phase generating units, please indicate the configuration of the Generator's windings or inverter systems.	__3 Wire Delta __3 Wire Wye __4 Wire Wye	__3 Wire Delta __3 Wire Wye __4 Wire Wye	__3 Wire Delta __3 Wire Wye __4 Wire Wye	__3 Wire Delta __3 Wire Wye __4 Wire Wye
L - (MP) Neutral Grounding System Used (Choose One) Wye connected generating units are often grounded – either through a resistor or directly, depending upon the nature of the electrical system to which the Generator is connected. If the grounding method used at this facility is not listed, please attach additional descriptive information.	__ Ungrounded __ Solidly Grounded __ Ground Resistor __ Ohms	__ Ungrounded __ Solidly Grounded __ Ground Resistor __ Ohms	__ Ungrounded __ Solidly Grounded __ Ground Resistor __ Ohms	__ Ungrounded __ Solidly Grounded __ Ground Resistor __ Ohms

INTERCONNECTION APPLICATION (Form 79-1174-02)
ATTACHMENT T3
MACHINE-BASED TECHNOLOGY

Generator Information	Existing Generator type 1	Existing Generator type 2	New Generator type 1	New Generator type 2
M – *Synchronous Generators Only:* If the Generator is of a synchronous design, please provide the synchronous reactance, transient reactance, and subtransient reactance values supplied by the manufacturer. This information is necessary to determine the short circuit contribution of the Generator and as data in load flow and short circuit computer models of PG&E's Electric System. If the Generator's Gross Nameplate Capacity is 10 MW or greater, PG&E may request additional data to better model the nature and behavior of the Generator with relation to its Electric System.				
Synchronous Reactance:	_____ (Xd %)	_____ (Xd %)	_____ (Xd %)	_____ (Xd %)
Transient Reactance:	_____ (Xd %)	_____ (Xd %)	_____ (Xd %)	_____ (Xd %)
Subtransient Reactance:	_____ (Xd %)	_____ (Xd %)	_____ (Xd %)	_____ (Xd %)
N - *Induction Generators Only:*				
Locked Rotor Current:	_____ (Amps)	_____ (Amps)	_____ (Amps)	_____ (Amps)
Stator Resistance:	_____(%)	_____(%)	_____(%)	_____(%)
Stator Leakage Reactance:	_____(%)	_____(%)	_____(%)	_____(%)
Rotor Resistance:	_____(%)	_____(%)	_____(%)	_____(%)
Rotor Leakage Reactance:	_____(%)	_____(%)	_____(%)	_____(%)
If the Generator is of an induction design, please provide the "locked rotor current" value supplied by the manufacturer. If this value is not available, the stator resistance, stator leakage reactance, rotor resistance, rotor leakage reactance values supplied by the manufacturer may be used to determine the locked rotor current. If the Generator's Gross Nameplate Capacity is 10 MW or greater, PG&E may request additional data to better model the nature and behavior of the Generator with relation to its Electric System.				
O - Short Circuit Current Produced by Generator	_____ (Amps)	_____ (Amps)	_____ (Amps)	_____ (Amps)

INTERCONNECTION APPLICATION (Form 79-1174-02)
ATTACHMENT T3
MACHINE-BASED TECHNOLOGY

Generator Information	Existing Generator type 1	Existing Generator type 2	New Generator type 1	New Generator type 2
P – *For Generators that are Started as a "Motor" Only:* This information is needed only for Generators that are started by "motoring" the generator. See PG&E's Rule 21, Sections L.3.d. and L.7.b. for significance and additional information. If this question was answered in Part IV, question C of this Application, it need not be answered here. 1. In-Rush Current: 2. Host Customer's Service Entrance Panel (Main Panel) Continuous Current Rating:	_____ (Amps) _____ (Amps)	_____ (Amps) _____ (Amps)	_____ (Amps) _____ (Amps)	_____ (Amps) _____ (Amps)
Q – Prime Mover Type Please indicate the type and fuel used as the prime mover or source of energy for the Generator. 1 = Natural Gas 2 = Diesel Fueled 3 = Other Fuel	1 2 3	1 2 3	1 2 3	1 2 3
R - AC Disconnect For systems requiring an AC Disconnect only, please include the requested information about the AC Disconnect. See PG&E's Rule 21, Section H.1.d Located within 10 feet of the PG&E meter?	_____ Manufacturer _____ Model # _____ Rating (amps) ____ Yes ____ No	_____ Manufacturer _____ Model # _____ Rating (amps) ____ Yes ____ No	_____ Manufacturer _____ Model # _____ Rating (amps) ____ Yes ____ No	_____ Manufacturer _____ Model # _____ Rating (amps) ____ Yes ____ No
S - Lineside Tap PG&E has special requirements for a lineside tap. Contact PG&E at: Rule21Gen@PGE.com for more information.	____ Yes ____ No	____ Yes ____ No	____ Yes ____ No	____ Yes ____ No
T – Warranty or Service Agreement Applicant has verified that (i) a warranty of at least 10 years has been provided on all equipment and on its installation, or (ii) have a 10-year service warranty or executed "agreement" ensuring proper maintenance and continued system performance.	____ Yes ____ No	____ Yes ____ No	____ Yes ____ No	____ Yes ____ No

INTERCONNECTION APPLICATION (Form 79-1174-02)
ATTACHMENT T4
FUEL CELL TECHNOLOGY

Please complete the following table for the specific generator technology indicated.

Instructions				
Generator Information	Existing Generator type 1	Existing Generator type 2	New Generator type 1	New Generator type 2
Please indicate the number of each "**type" and quantity** of Generator being installed. Be sure all Generators classified as one "type" are identical in all respects. If only one type of Generator is to be used, only one column needs to be completed.				
A - Generator/Inverter Manufacturer Enter the brand name of the Generator.				
B - Generator/Inverter Model Enter the model name or number assigned by the manufacturer of the Generator.				
C - Generator/Inverter Software Version If this Generator's control and or protective functions are dependent on a software program supplied by the manufacturer of the equipment, please provide the version or release number for the software that will be used.				
D - Is the Generator/Inverter certified? Applicant has verified that all major solar system components are on the verified equipment list maintained by the California Energy Commission and other equipment, as determined by PG&E, has been verified by the customer as having safety certification from a nationally recognized testing laboratory. See PG&E's Rule 21, Section L for additional information regarding Generator certification.	____ Yes ____ No	____ Yes ____ No	____ Yes ____ No	____ Yes ____ No

FUEL CELL TECHNOLOGY

Generator Information	Existing Generator type 1	Existing Generator type 2	New Generator type 1	New Generator type 2
E - Generator Design Please indicate the design of each Generator. Designate "Inverter" anytime an inverter is used as the interface between the Generator and the electric system regardless of the primary power production/storage device used.	____ Synch ____ Induct. ____ Inverter	____ Synch ____ Induct. ____ Inverter	____ Synch ____ Induct. ____ Inverter	____ Synch ____ Induct. ____ Inverter
F - Gross Nameplate Rating (kVA) This is the capacity value normally supplied by the manufacturer and stamped on the Generator's nameplate. This value is not required where the manufacturer provides only a kW rating. However, where both kVA and kW values are available, please indicate both.				
G - Operating Voltage This value should be the voltage rating designated by the manufacturer and used in this Generating Facility. Please indicate phase-to-phase voltages for 3-phase installations. See PG&E's Rule 21, Section H.2.b. and Table H.1., for additional information.				
H - Power Factor Rating This value should be the nominal power factor rating designated by the manufacturer for the Generator. See PG&E's Rule 21, Section H.2.i. for additional information.				
I - PF Adjustment Range Where the power factor of the Generator is adjustable, please indicate the maximum and minimum operating values. See PG&E's Rule 21, Section H.2.i.				
J - Wiring Configuration Please indicate whether the Generator is a single-phase or three-phase device. See PG&E's Rule 21, Section H.3.				
K - (MP) 3-Phase Winding Configuration (Choose One) For three-phase generating units, please indicate the configuration of the Generator's windings or inverter systems.	__3 Wire Delta __3 Wire Wye __4 Wire Wye	__3 Wire Delta __3 Wire Wye __4 Wire Wye	__3 Wire Delta __3 Wire Wye __4 Wire Wye	__3 Wire Delta __3 Wire Wye __4 Wire Wye
Generator Information	Existing	Existing	New	New

INTERCONNECTION APPLICATION (Form 79-1174-02)
ATTACHMENT T4
FUEL CELL TECHNOLOGY

	Generator type 1	Generator type 2	Generator type 1	Generator type 2
L - (MP) Neutral Grounding System Used (Choose One) Wye connected generating units are often grounded – either through a resistor or directly, depending upon the nature of the electrical system to which the Generator is connected. If the grounding method used at this facility is not listed, please attach additional descriptive information.	__ Ungrounded __ Solidly Grounded __ Ground Resistor __ Ohms	__ Ungrounded __ Solidly Grounded __ Ground Resistor __ Ohms	__ Ungrounded __ Solidly Grounded __ Ground Resistor __ Ohms	__ Ungrounded __ Solidly Grounded __ Ground Resistor __ Ohms
M - Short Circuit Current Produced by Generator	_____ (Amps)	_____ (Amps)	_____ (Amps)	_____ (Amps)
N – Prime Mover Type Please indicate the type and fuel used as the prime mover or source of energy for the Generator. 1 = Natural Gas 2 = Diesel Fueled 3 = Other Fuel	1 2 3	1 2 3	1 2 3	1 2 3
O - AC Disconnect For systems requiring an AC Disconnect only, please include the requested information about the AC Disconnect. See PG&E's Rule 21, Section H.1.d Located within 10 feet of the PG&E meter?	_____ Manufacturer _____ Model # _____ Rating (amps) ____ Yes ____ No	_____ Manufacturer _____ Model # _____ Rating (amps) ____ Yes ____ No	_____ Manufacturer _____ Model # _____ Rating (amps) ____ Yes ____ No	_____ Manufacturer _____ Model # _____ Rating (amps) ____ Yes ____ No
P - Lineside Tap PG&E has special requirements for a lineside tap. Contact PG&E at: Rule21Gen@PGE.com for more information.	____ Yes ____ No	____ Yes ____ No	____ Yes ____ No	____ Yes ____ No
Q – Warranty or Service Agreement Applicant has verified that (i) a warranty of at least 10 years has been provided on all equipment and on its installation, or (ii) have a 10-year service warranty or executed "agreement" ensuring proper maintenance and continued system performance.	____ Yes ____ No	____ Yes ____ No	____ Yes ____ No	____ Yes ____ No

INTERCONNECTION APPLICATION (Form 79-1174-02)
ATTACHMENT T5
ENERGY STORAGE TECHNOLOGY

Please complete the following table for the specific generator technology indicated.

Instructions				
Generator Information	Existing Generator type 1	Existing Generator type 2	New Generator type 1	New Generator type 2
Please indicate the number of each "**type" and quantity** of Generator being installed. Be sure all Generators classified as one "type" are identical in all respects. If only one type of Generator is to be used, only one column needs to be completed.				
A - Generator/Inverter Manufacturer Enter the brand name of the Generator.				
B - Generator/Inverter Model Enter the model name or number assigned by the manufacturer of the Generator.				
C - Generator/Inverter Software Version If this Generator's control and or protective functions are dependent on a software program supplied by the manufacturer of the equipment, please provide the version or release number for the software that will be used.				
D - Is the Generator/Inverter certified? Applicant has verified that all major solar system components are on the verified equipment list maintained by the California Energy Commission and other equipment, as determined by PG&E, has been verified by the customer as having safety certification from a nationally recognized testing laboratory. See PG&E's Rule 21, Section L for additional information regarding Generator certification.	____ Yes ____ No	____ Yes ____ No	____ Yes ____ No	____ Yes ____ No
E - Generator Design Please indicate the design of each Generator. Designate "Inverter" anytime an inverter is used as the interface between the Generator and the electric system regardless of the primary power production/storage device used.	____ Synch ____ Induct. ____ Inverter	____ Synch ____ Induct. ____ Inverter	__ Synch ____ Induct. ____ Inverter	____ Synch ____ Induct. ____ Inverter

INTERCONNECTION APPLICATION (Form 79-1174-02)
ATTACHMENT T5
ENERGY STORAGE TECHNOLOGY

Generator Information	Existing Generator type 1	Existing Generator type 2	New Generator type 1	New Generator type 2
F - Gross Nameplate Rating (kVA) This is the capacity value normally supplied by the manufacturer and stamped on the Generator's nameplate. This value is not required where the manufacturer provides only a kW rating. However, where both kVA and kW values are available, please indicate both.				
G - Energy Storage Electrical Source Function (in addition, please complete section: "Additional Information Required for Energy Storage")	Max kWh Capacity: _____ Rated kW Discharge: _____	Max kWh Capacity: _____ Rated kW Discharge: _____	Max kWh Capacity: _____ Rated kW Discharge: _____	Max kWh Capacity: _____ Rated kW Discharge: _____
H - Operating Voltage This value should be the voltage rating designated by the manufacturer and used in this Generating Facility. Please indicate phase-to-phase voltages for 3-phase installations. See PG&E's Rule 21, Section H.2.b. and Table H.1., for additional information.				
I - Power Factor Rating This value should be the nominal power factor rating designated by the manufacturer for the Generator. See PG&E's Rule 21, Section H.2.i. for additional information.				
J - PF Adjustment Range Where the power factor of the Generator is adjustable, please indicate the maximum and minimum operating values. See PG&E's Rule 21, Section H.2.i.				
K - Wiring Configuration Please indicate whether the Generator is a single-phase or three-phase device. See PG&E's Rule 21, Section H.3.				

INTERCONNECTION APPLICATION (Form 79-1174-02)
ATTACHMENT T5
ENERGY STORAGE TECHNOLOGY

Generator Information	Existing Generator type 1	Existing Generator type 2	New Generator type 1	New Generator type 2
L - (MP) 3-Phase Winding Configuration (Choose One) For three-phase generating units, please indicate the configuration of the Generator's windings or inverter systems.	__3 Wire Delta __3 Wire Wye __4 Wire Wye	__3 Wire Delta __3 Wire Wye __4 Wire Wye	__3 Wire Delta __3 Wire Wye __4 Wire Wye	__3 Wire Delta __3 Wire Wye __4 Wire Wye
M - (MP) Neutral Grounding System Used (Choose One) Wye connected generating units are often grounded – either through a resistor or directly, depending upon the nature of the electrical system to which the Generator is connected. If the grounding method used at this facility is not listed, please attach additional descriptive information.	__ Ungrounded __ Solidly Grounded __ Ground Resistor __ Ohms	__ Ungrounded __ Solidly Grounded __ Ground Resistor __ Ohms	__ Ungrounded __ Solidly Grounded __ Ground Resistor __ Ohms	__ Ungrounded __ Solidly Grounded __ Ground Resistor __ Ohms
N - Short Circuit Current Produced by Generator:	_____ (Amps)	_____ (Amps)	_____ (Amps)	_____ (Amps)
O – Prime Mover Type Please indicate the type and fuel used as the prime mover or source of energy for the Generator. 1 = Natural Gas 2 = Diesel Fueled 3 = Other Fuel	1 2 3	1 2 3	1 2 3	1 2 3
P - AC Disconnect For systems requiring an AC Disconnect only, please include the requested information about the AC Disconnect. See PG&E's Rule 21, Section H.1.d Located within 10 feet of the PG&E meter?	_____ Manufacturer _____ Model # _____ Rating (amps) ____ Yes ____ No	_____ Manufacturer _____ Model # _____ Rating (amps) ____ Yes ____ No	_____ Manufacturer _____ Model # _____ Rating (amps) ____ Yes ____ No	_____ Manufacturer _____ Model # _____ Rating (amps) ____ Yes ____ No

INTERCONNECTION APPLICATION (Form 79-1174-02)
ATTACHMENT T5
ENERGY STORAGE TECHNOLOGY

Generator Information	Existing Generator type 1	Existing Generator type 2	New Generator type 1	New Generator type 2
Q - Energy Storage (ES) System (For important sizing information related to DC-Couple configurations, see sizing note below).	_____ Manufacturer _____ Model # _____ Quantity of Units	_____ Manufacturer _____ Model # _____ Quantity of Units	_____ Manufacturer _____ Model # _____ Quantity of Units	_____ Manufacturer _____ Model # _____ Quantity of Units
R - Lineside Tap PG&E has special requirements for a lineside tap. Contact PG&E at: Rule21Gen@PGE.Com for more information.	____ Yes ____ No	____ Yes ____ No	____ Yes ____ No	____ Yes ____ No
S – Warranty or Service Agreement Applicant has verified that (i) a warranty of at least 10 years has been provided on all equipment and on its installation, or (ii) have a 10-year service warranty or executed "agreement" ensuring proper maintenance and continued system performance.	____ Yes ____ No	____ Yes ____ No	____ Yes ____ No	____ Yes ____ No

Energy Storage Charging Function:

Rated Charge Demand (Load): _____ kW

Estimated annual Net Energy Usage* of the energy storage device(s): ____ ____ kWh

*Net Energy usage = (kWh input, including charging, storage device auxiliary loads and losses) – (kWh output including discharging)

Will the Distribution Grid be used to charge the storage device: ☐ Yes ☐ No

If no: Provide technical description of control systems including (e.g. Nationally-certified piece of equipment, Relays/metering):

Source of energy for Charging: _____

Mechanism to prevent charging from the Distribution System: _____

If Yes: Will charging the storage device(s) increase the host facility's existing peak load demand:

☐ Yes ☐ No

If Yes: Provide the following loading information:

Amount of added peak demand: _____ kW

If no: Provide technical description of controls systems including:

Charging periods: _____

Mechanism to prevent charging from the Distribution System during host facility peak:

_____

INTERCONNECTION APPLICATION (Form 79-1174-02)
ATTACHMENT T5
ENERGY STORAGE TECHNOLOGY

Expedited Interconnection Process Selection for Non-Export Energy Storage:

☐ This project meets the requirements identified in Rule 21 Section N and this process is being selected for expedited interconnection.

Note on Sizing (DC-Coupled Configurations)

The size of the storage system in DC-coupled NEM-eligible generator plus storage systems is the lesser of the shared inverter's (or inverters') nameplate capacity (capacities summed) and the storage device's (devices') maximum continuous discharge capacity (capacities summed) listed on the device's (devices') technical specifications sheets. A storage device's maximum continuous discharge capacity may be listed on technical specification sheets using different terminology. Note: PG&E will use common sense to determine whether a device's technical specification sheet includes the appropriate metric for purposes of determining system size, regardless of the terminology used. If that metric is not included, PG&E may rely on the inverter's nameplate rating.

For example:

- What is the maximum continuous discharge capability for each storage unit?
  _____ +_____ +_____ +_____ + _____ =. total_____
- What is each inverter's nameplate rating?
  _____ +_____ +_____ +_____ + _____ =. total_____

INTERCONNECTION APPLICATION (Form 79-1174-02)
ATTACHMENT P1
RES- BCT

-02

Part I – Applicability and Purpose

This *LOCAL GOVERNMENT APPLICATION FOR AN ARRANGEMENT TO TAKE SERVICE ON RATE SCHEDULE RES-BCT WITH INTERCONNECTED ELIGIBLE RENEWABLE GENERATION OF NOT MORE THAN 5 MEGAWATTS* ("RES-BCT Application") allows for a Local Government, as defined in Rate Schedule RES-BCT, to apply for an Arrangement, as defined in Rate Schedule RES-BCT, to take service on PG&E's electric Rate Schedule *RES-BCT NET ENERGY METERING SERVICE FOR LOCAL GOVERNMENT REMOTE RENEWABLE SELF GENERATION*.

For the Local Government's Arrangement (as defined in the RES-BCT tariff), this Application allows a Local Government to:

a) Elect one or more Generating Accounts with Eligible Renewable Generating Facilities, as defined in Rate Schedule RES-BCT, where each interconnected Eligible Renewable Generating Facilities at the Arrangement, has a capacity of 5 megawatts (5,000 kW) ("Generating Facility") or less; and

b) Interconnect and operate the Eligible Renewable Generating Facilities under the provisions of PG&E's Electric Rule 21;

c) Elect one or more, but no more than 50, Benefiting Account to receive the Bill Credit, as defined in Rate Schedule RES-BCT from the Generating Accounts in (a); and

d) Elect Bill Credit Allocation Percentages for each of the Generating and Benefiting Accounts.

Local Government has elected to apply for service for its Arrangement on Rate Schedule RES-BCT, which involves the interconnection and operation of its Eligible Renewable Generating Facilities in parallel with PG&E's Electric System, primarily to offset part or all of the Arrangement's own electrical requirements at the affiliated Generating and Benefiting Accounts as listed in Appendix A.

Part II – Designation of Bill Credit Allocation Percentages to RES-BCT Arrangement Accounts

A. Section 1 Instructions

- Complete the section below.

Local Government Name	Address	Date
Name: Contact Name: Contact Title:		

- Is this application for a new Arrangement or a reallocation for an existing Arrangement? (For an existing Arrangement, Local Governments may not change the Credit Allocation Percentages more frequently than once in any 12 month period.

❑ This Appendix A to the RES-BCT Application is for an allocation for the initial new Arrangement.

❑ This Appendix A to the RES-BCT Application is for a reallocation for an existing Arrangement.

- Please use the attached Appendix A Section 2 page to list all Benefiting Accounts that are located in the Arrangement that will be taking service on RES-BCT. Include the Generating Account, and all Benefiting Accounts.

- Please note for each row:

  - **Account Type** - check the one box corresponding to the type of account (that is, Generating or Benefiting Account). There must be at least one Generating Account and one Benefiting Account listed. Every row (account) should have one and only one of these 2 boxes checked. *(Required).* A Rule 21 Application and Interconnection Agreement as described in Section A of the RES-BCT Application will need to be submitted for the Generating Facility at each Generating Account listed below. In the "Designated Account…" column, designate the ONE account to which PG&E should apply any remaining true-up credit as described in the RES-BCT Special Condition 2(h). It may not be the generator account.

  - **Account Address -** Provide an address, including unit number, for all Accounts. *(Required)*

  - **Name** - For Generating and Benefiting Accounts, the Account Holder's name must be entered. *(Required)*

  - **PG&E Account Number -** Enter the PG&E Account number for all accounts. *(Required)*

  - **Otherwise Applicable Rate Schedule** – Enter the PG&E Otherwise Applicable Rate Schedule (OAS) for all accounts. *(Required)*

  - **Bill Credit Allocation Percentage –** For each Generating and Benefiting Account listed, enter the Bill Credit Allocation Percentage to the nearest whole percentage. The total of all Bill Credit Allocation Percentages must equal 100%.

  - **Appendix A, Section 2 Page Numbers –** In the space provided on the bottom of each page, please mark the page number and total number of pages for your Appendix A, Section 2 Account List. (Start with Page 1 and do not count the page numbers for these two instruction pages.) Note that no more than 50 Benefiting Accounts may be included in an Arrangement.

Local Governments are encouraged to not allocate more Bill Credit to an account than will be used annually. If any additional Bill Credit pursuant to RES-BCT Special Condition 2 (c),(d) and (g) remains, PG&E will review the true up bills for the Generating Account and Benefiting Accounts to determine if any charges for the generation component of the energy charge remain to be credited. If yes, PG&E will apply the remaining Bill Credit to the Designated Account.

INTERCONNECTION APPLICATION (Form 79-1174-02)
ATTACHMENT P1
RES- BCT

-02

B. Section 2

#	Account Type Check only one box for each row *(required field)*			Account Address *(required field)*	For Benefiting and Generating Account, List **Name** on Account,	***(Required field for All Accounts)*** **PG&E Service Agreement Number**	***(Required field for All Accounts)*** **Otherwise Applicable Rate Schedule (OAS) under RES-BCT**	***(Required Field for All Accounts)*** **Bill Credit Allocation Percentage** (to the nearest whole percentage)
	Generator Account	Benefiting Account	Designated Account Check *only one* account Must not be a generator account					
1	❑	❑	❑					
2	❑	❑	❑					
3	❑	❑	❑					
4	❑	❑	❑					
5	❑	❑	❑					
6	❑	❑	❑					
7	❑	❑	❑					
8	❑	❑	❑					
9	❑	❑	❑					
10	❑	❑	❑					
11	❑	❑	❑					
12	❑	❑	❑					
13	❑	❑	❑					
14	❑	❑	❑					
15	❑	❑	❑					
Total Bill Credit Allocation Percentage for all accounts over all pages must equal 100% _____								

Note 1) The capacity of all Eligible Renewable Generating Facilities on each Generating Account in the Arrangement must not total more than 5 megawatts.
Note 2) There must be no more than 50 Benefiting Accounts in an Arrangement.
Note 3) The Monthly Billing Setup Recovery Charge for the Arrangement from the RES-BCT tariff will be billed to each Generating Account listed, unless otherwise note

INTERCONNECTION APPLICATION (Form 79-1174-02)
ATTACHMENT P2
NEMFC LOAD AGGREGATION

As governed by Schedule NEMFC Special Condition 4, for purposes of determining if the eligible Fuel Cell Customer-Generator was a net consumer or a net producer of electricity during each Relevant Period PG&E will aggregate the load of the Fuel Cell Customer-Generator's accounts listed below where the Fuel Cell Customer Generator is the customer of record and the following requirements are met: (i) the accounts are on an applicable time-of-use rate schedule, and (ii) the accounts are located on the property where the Eligible Fuel Cell Electrical Generation Facility is located or on property adjacent or contiguous to that property as long as those properties are solely owned, leased, or rented by the Eligible Fuel Cell Customer-Generator; and (iii) all the accounts are served by the same electric commodity service provider. (i.e. the Eligible Fuel Cell Customer- Generator account and all aggregated accounts must all be on bundled service or all on CCA service, or all on DA service.)

	Meter (Badge) Number	Service Agreement ID	Rate Schedule	Address (Street, City, Zip Code)
1				
2				
3				
4				
5				
6				
7				
8				
9				
10				

INTERCONNECTION APPLICATION (Form 79-1174-02)
ATTACHMENT P3
NEM2 LOAD AGGREGATION

Part I

This is an appendix to Form 79-1151-02A, 79-978-02, 79-1137-02 or 79-1069-02 as applicable. As governed by Schedule NEM2 Special Condition 7, PG&E will aggregate the load of the Customer-Generator's accounts listed below where the Customer-Generator is the customer of record and the accounts continue to meet the requirements of Special Condition 7 of PG&E's NEM2 tariff as outlined in the Customer Declaration below.

In accordance with this appendix:

(i) Pursuant to Schedule NEM2 Special Condition 7 the electricity generated by the renewable electrical generation facility and exported to the grid shall be allocated to each of the aggregated meters in proportion to the electrical load served by those meters, and

(ii) One time set up fee of $25 is assessed for each account in the NEMA2 arrangement (not to exceed $500). A $5 monthly fee will be assessed for each aggregated account. These fees will be billed to the generating account.

Note these fees are subject to change from time to time. Additional monthly fees (for example, but not limited to, minimum charges, meter fees, demand charges) may also apply to each account, as described in that account's otherwise applicable rate schedule,, and

(iii) Customer-Generator shall permanently be ineligible to receive Assembly Bill (AB) 920 net surplus electricity compensation (NSC), and PG&E shall retain any kilowatt hours in excess of the eligible Customer-Generator's electrical load as determined for each aggregated meter individually. (However, if an Aggregated Account that is not a Generating Account is separated from the Arrangement, and subsequently qualifies for NEM2, it may be eligible for NSC.)

This agreement at all times shall be subject to such modifications as the California Public Utilities Commission may direct from time to time in the exercise of its jurisdiction.

Part II

In accordance with Schedule NEM2, as Customer-Generator you will be required to represent and warrant under penalty of perjury on the interconnection agreement that:

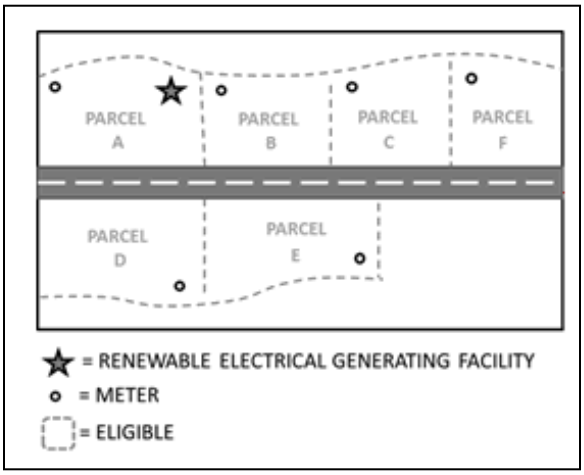
1) The total annual output in kWh of the generator is less than or equal to 110% (for solar and/or wind systems equal to or less than 30 kW) or 100% (for all other technologies and solar and/or wind systems greater than 30 kW) of the annual aggregated electrical load in kWh of the meters associated with the generator account, including the load on the generating account itself (before being offset by the generator); and

2) Each of the aggregated account meters associated with this NEM2 generator account are located either

   (i) on the property where the renewable electrical generation facility is located, or

   (ii) are located within an unbroken chain of contiguous parcels that are all solely owned, leased or rented by the customer-generator. For purposes of Load Aggregation, parcels that are divided by a street, highway, or public thoroughfare are considered contiguous, provided they are within an unbroken chain of otherwise contiguous parcels that are all solely owned leased or rented by the customer-generator.

   For example, assume there are five parcels (A, B, C, D, E, and F) that form a cluster of contiguous parcels and D and E are separated from A, B, C and F by a street, highway, or public thoroughfare. For the purposes of participating in Load Aggregation, all five parcels are considered contiguous, provided they are otherwise contiguous and all are solely owned, leased or rented by the customer-generator. Refer to the diagram at left (for illustrative purposes only.)



3) PG&E reserves the right to request a parcel map to confirm the property meets the requirements of 2) above; and

4) You agree to notify PG&E if there is any change of status that makes any of the meters listed in this Appendix ineligible for meter aggregation to ensure that only eligible meters are participating PG&E will require an updated Appendix and Declaration form and

5) In the "Variations on Customer Generator Name" fields on the following table, you may provide all variations of your name. By signing he interconnection agreement you attest that as Customer-Generator, you have sole control of all the parcels establishing contiguity for the Arrangement listed on Page 3 of this Appendix.

Variations on Customer-Generator Name
1)
2)
3)
4)
5)

You will have to sign that you understand that "sole control" means that I solely own, lease or rent each parcel or that I have an irrevocable easement that grants me sole use and control of the entire parcel. I understand that other types of easements are not sufficient to establish contiguity for NEM2A.

INTERCONNECTION APPLICATION (Form 79-1174-02)
ATTACHMENT P3
NEM2 LOAD AGGREGATION

Part III

A. Second Service For Generator

Requesting Second Service for Generator: ☐ Yes ☐ No

For Load Aggregation Arrangements Requesting an additional service for a Generator Account – Subject to all other applicable rules, an additional service may be allowed for the Generating Account if it has no load other than that associated directly with the Renewable Electric Generation Facility. However, a customer may not subsequently add load to that additional service, and if the Renewable Electrical Generation Facility is removed, the additional service, may not be converted to a load account.

B. Minimum Number of Aggregated Load Accounts

A NEM2A Arrangement must have at least two Aggregated Load Accounts. The generator account must have non-generator (existing) load to be counted as an Aggregated Load Account. Generator Accounts interconnected based on Part II A above, will not be counted as an Aggregated Load Account.

INTERCONNECTION APPLICATION (Form 79-1174)
ATTACHMENT P3
NEM2 LOAD AGGREGATION

NEM2 Load Aggregation Worksheet								
Accounts	PARCEL NUMBER	ACCOUNT NAME[1] [2]	SERVICE ADDRESS	ELECTRIC ACCOUNT NUMBER[2]	ELECTRIC SERVICE AGREEMENT NUMBER[2]	ELECTRIC METER NUMBER[2]	ELECTRIC RATE SCHEDULE[2]	ANNUAL KWH LOAD[3]
Generator								
Load Acct 1								
Load Acct 2								
Load Acct 3								
Load Acct 4								
Load Acct 5								
Load Acct 6								
Load Acct 7								
Load Acct 8								
Load Acct 9								
Load Acct 10								
							Total Annual kWh	
							(For Standard NEM2 Solar/Wind less than 30kW) - 110% of Total Annual kWh	
Estimated Annual kWh Production				**Solar** = CEC-AC[4] rating X 1,664[5] **Wind** = Total Inverter Nameplate Rating X 2,190[6] **Other Technologies** = Total Inverter Nameplate Rating X 7,008[7]				

[1] If this is a new account, enter *NEW*.
[2] As listed on your Billing Statement
[3] For previous twelve months from date of signature. Please also enter the annual kWh for generator account prior to the generator being installed; if none, enter zero.
[4] CEC-AC (kW) = California Energy Commission Alternating Current, refers to inverter efficiency rating (Quantity of PV Modules x PTC Rating of PV Modules x CEC Inverter Efficiency Rating)/1000
[5] Estimated Solar Production = 8,760 hrs/yr X 0.19 solar capacity factor = 1,664
[6] Estimated Wind Production = 8,760 hrs/yr X 0.25 wind capacity factor = 2,190
[7] Estimated Other Technologies = 8,760 hrs/yr X 0.80 other technologies capacity factor = 7,008

INTERCONNECTION APPLICATION (Form 79-1174-02)
ATTACHMENT P4
NEM2V

Part I - General Facility

A. Are there any other generators interconnected on this account?

- ❑ Yes
  If yes, specify what kind of generator _____
- ❑ No

B. Are there any possible generator meter access issues?

- ❑ Yes **If yes**, check all that apply:

❑ Locked Room/Gate	❑ Meter located inside of facility/residence
❑ Unrestrained animal at meter or AC disconnect switch location	❑ Other (Please explain) _____

- ❑ No

C. Are any of your accounts on a Demand Response program?

Qualified Customers are eligible for the same demand response programs and solar tariffs as NEM2 customers. Demand response payments to Qualified Customers will be based on the Qualified Customer's metered usage disregarding any contributions from virtually net-metered generation. Similarly, any other demand response programmatic elements that are affected by a customer's load (e.g., program eligibility) should also exclude from consideration any impacts of NEM2V generation.

- ❑ Yes
  If yes, what program are you on? _____
- ❑ No.

D. Generator Interconnection Tie-in Point – Does your interconnection satisfy PG&E's Meter Standards?

- ❑ Yes
- ❑ No. Reason: _____

If after review of a customer's NEM2V application PG&E determines a site assessment is essential, then PG&E may conduct a site assessment. Please note that entering PG&E sealed sections of their service panels is unsafe and not permitted without PG&E's supervision and express authorization.

E. Are you planning to meet the requirements specified in the PG&E Greenbook (current reference is "VNEM Installation Requirements", Utility Bulletin TD6999B-005, 02/06/2012)?

- ❑ Yes
- ❑ No. Reason: _____

F. Where are you planning to tie in? Can you provide Switchgear cutsheets, detailing the proposed point of connection and bussing modification / clearances, cutsheets of the NGOM socket, to clearly identify proposed tie-in point?

Location: _____

G. Is the currently proposed tie-in point a result of restrictions placed on altering the existing panel or equipment within, as imposed by the local authority having jurisdiction?

- ❑ Yes - What restriction? _____
- ❑ No.

H. Have you confirmed the Ampere Interrupting capacity (AIC) rating of the existing panel?

- ❑ Yes
- ❑ No. Reason: _____

I. Are there existing PG&E gas or other utility's facilities in the vicinity of the proposed point of interconnection? (Note: Minimum clearances must be maintained from PG&E facilities, as specified in PG&E's Greenbook)

❑ Yes - Describe:_____ _____
❑ No.

J. Are you going to require PG&E to arrange to de-energize the service panel for you to safely connect the generator to the service panel?

(Note: that the de-energizing process may be as simple as a PG&E Troubleman opening a switch, or as involved as a PG&E crew performing switching, and rearrangement of service wires, and coordinating with neighboring customers that might be impacted by this de-energizing project. **PG&E requires ten (10) business days advance notice prior to performing such a request. Fees may apply.)**

❑ Yes - Describe:_____ _____
❑ No.

K. Can this de-energizing of the service panel be done during normal business hours?

❑ Yes
❑ No. If not, what time of the week and time of the day do you request this service disconnection to occur?

Mon Tues Wed Thu Fri Sat Sun ____:_____AM_____/_____PM___
(circle day of week) (enter time & circle AM or PM)

Note- the time of de-energizing the service panel will also depend on whether other customers are impacted and their input to the process.

L. What is the duration of the service disconnection requested?

Duration _____

M. Do you need PG&E personnel to stand by while you perform your work?

❑ Yes
❑ No

N. Will you need to obtain clearance from the local authority having jurisdiction prior to PG&E re-energizing the service panel?

(Note: Some cities/counties require that they have inspected the panel prior to reenergizing. You will need to provide proof of the local authority that your work will not require such approval, or be prepared to provide that to PG&E prior to PG&E re-energizing the panel).

❑ Yes
❑ No

INTERCONNECTION APPLICATION (Form 79-1174-02)
ATTACHMENT P4
NEM2V

Part 2 - Designation of NEMV Generating Account and Benefitting Accounts and Their Respective Eligible Energy Credit Allocation

Section 1 Instructions

a. Please ensure the information on the Customer and Project Information for account information represents the owner as per NEM2V.

b. Is this an application to establishing the Annual Eligible Energy Credit Allocation for a new NEM2V Arrangement or for a change to the Allocation for an existing NEM2V facility, as described in either NEM2V Special Condition 2 or 3(g)?

- ❑ This application is for an allocation for the initial, new NEM2V Arrangement:
- ❑ This application is for a reallocation for an existing NEM2V Arrangement:

c. Please use the attached Appendix A, Section 2 page to list all Benefitting Accounts in the Arrangement that will be taking service on NEM2V. Alternatively, an Applicant may fill out the table below in a digital format (i.e. spreadsheet) and supply that along with the application and agreement to NEMVGen@pge.com The Benefitting Accounts must be associated with the same Generator Account and all must satisfy the applicable Service Delivery Point requirements in the NEM2V Applicability Section to be Eligible for Schedule NEM2V.

Please note for each row:

- **Account Type** – (required) – The Generator Account row should be completed for the pertinent information for each column indicated; the Benefitting Account rows should be complete for the pertinent information for each column indicated. If there are more Benefitting Accounts than will fit on one page please use additional sheets as required and number pages accordingly.
- **Account Address – (**required) -- Provide an address, including unit / apartment number, for all Accounts (for the Generator Account you may use the street address of the building upon which the generator will be installed).
- **Occupant's / Owner's Name** – (required) - For the Generator Account enter the Owner's name; for all Benefitting accounts enter the name of the occupant or PG&E customer name for that location.
- **PG&E Meter Number – (**required) **-** Enter the PG&E Meter Numbers for the all benefitting accounts.
- **Otherwise Applicable Rate Schedule** – required -- Enter the PG&E Otherwise Applicable Rate Schedule (OAS) for the Generator Account and all Benefitting Accounts.
- **Eligible Allocation Percentage – (**required) -- For each Benefitting Account listed, enter the Eligible Allocation Percentage to two decimal places. The Eligible Energy Allocation Percentage for each Benefitting Account should be established so that the annual kilowatt hours allocated offsets no more than part or all of the customer's own annual electrical requirements. The total of all Benefitting Account Eligible Allocation Percentages in Appendix A for this NEM2V Arrangement must equal exactly 100%. If Owner is changing the Eligible Allocation Percentage on an existing NEM2V Arrangement, please list all allocations to confirm they add up to 100% and **circle** the changed allocations.
- **Designated Unallocated Credit Account** "system operator/qualified customer" has the option to designate the disposition of unallocated credits to either: the Common Area Account, or one Benefiting Account. In the NEM2V tariff this is referred to as the "Default Account."
- **Appendix A, Section 2 Page Numbers –** In the space provided on the bottom of each page, please mark the page number and total number of pages for your Appendix A, Section 2, Account List. (Start with Page 1 and do not count the page numbers for this instruction page. Also indicate on one of the pages if the allocation is for a new Arrangement or an existing Arrangement).

If Owner would like billing data from a Benefiting Account in order to verify the credit allocation they need the Benefitting Account customer's consent. To facilitate this process, here is a link to the *Authorization to Receive Customer Information or Act Upon a Customer's Behalf*: https://www.pge.com/tariffs/assets/pdf/tariffbook/ELEC_FORMS_79-1095.pdf - (Form 79-1095) that would need to be submitted to PG&E prior to release of the Benefitting Account customer's billing data to the Owner.

INTERCONNECTION APPLICATION (Form 79-1174)
ATTACHMENT P4
NEM2V

Section 2

Account Type	**Account Address** *(required field)* **(for Generator Account use street address for building with generator account)**	**Occupant's Name,** *(Required field)* **(Generator Accounts *should be under the Owner's Name* Please use name listed on PG&E Account bill)**	**PG&E Meter Number** *(Required field)*	**Otherwise Applicable Rate Schedule** *(Required field)*	**Eligible Allocation Percentage** (*required* – to 2 decimal places, the sum of all Benefitting Account Allocation must total 100%. For changes to Existing NEM2V Arrangements, list all percentages but circle all changed percentages)	**Designated Unallocated Credit Account** (optional – check one Common Area or Benefiting Account to receive unallocated credits)
Generator Account						
Benefitting Accounts						
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						

Is this a reallocation of an existing NEM2V Arrangement? __ Yes ___ No

Part 3 - Generator Interconnection Point Documentation

Applicant shall attach the following Documentation:

- the single line diagram to illustrate connection with the selected option provided in the Metering Standard
- the switchgear, switchboard, or main panel cut-sheets/shop drawings detailing the bussing, any modifications, clearances, and proposed point of interconnection. The proposal must include a signed PE stamp and modifications must be certified by the manufacturer or a qualified third party
- pictures of the point of interconnection (see safety "Note" below).
- the meter socket cut-sheets of the net generation output meter socket
- additional material as specified by PG&E

Note: If after review of a customer's NEM2V application PG&E determines a site assessment is needed, then PG&E may conduct a site assessment. Owners are reminded that entering PG&E sealed sections of their service panels is unsafe and not permitted without PG&E's supervision and express authorization.

INTERCONNECTION APPLICATION (Form 79-1174-02)
ATTACHMENT P5
NEMVMASH SINGLE SERVICE DELIVERY POINT

Part I - Incentives

If you are applying for a CSI rebate, please check the box for the rebate program under which your NEMVMASH project will receive incentives and understand that you will have to apply for rebates separately.

- ❑ MASH
- ❑ NSHP

Part II - General Facility

A. Are there any other generators interconnected on this account?

- ❑ Yes
  If yes, specify what kind of generator _____
- ❑ No

B. Are there any possible generator meter access issues?

- ❑ Yes **If yes**, check all that apply:

❑ Locked Room/Gate	❑ Meter located inside of facility/residence
❑ Unrestrained animal at meter or AC disconnect switch location	❑ Other (Please explain) _____

- ❑ No

C. Are any of your accounts on a Demand Response program?

(For more information on PG&E's demand response programs see: www.pge.com/demandresponse)

- ❑ Yes
  If yes, what program are you on? _____
- ❑ No.

INTERCONNECTION APPLICATION (Form 79-1174-02)
ATTACHMENT P5
NEMVMASH SINGLE SERVICE DELIVERY POINT

Part I - Designation of Generator Accounts, and Their Associated Common Area Accounts and Residential Units With Their respective Solar Energy Credit Allocation

1) Is this application for a new NEMVMASH Eligible Low Income Facility or a reallocation for an existing NEMVMASH facility? (Existing NEMVMASH facility Owners may not reallocate the Solar Allocation Percentages for all Common Area Accounts and all Residential Unit Accounts for a period of 5 years after first being interconnected on NEMVMASH even if there is a change in Owner. However, after 5 years a reallocation may be requested. Also, a reallocation of credits between the different Common Area Accounts is allowed, and similarly if a residential unit becomes uninhabitable under the terms described in the NEMVMASH tariff in Special Condition 2 g, the Owner may choose to reallocate credits to the other Residential Unit Accounts).

   This application is for an allocation for the initial new NEMVMASH Eligible Low Income Facility: ❑
   This application is for a reallocation for an existing NEMVMASH Eligible Low Income Facility: ❑

2) For a new NEMVMASH Eligible Low Income Facility, if you applied for the Multifamily Affordable Solar Housing Program (MASH), please enter the percentages in the space provided below from the MASH application.

Solar Allocation Percentage for All <u>Common Area Account(s)</u> Listed in the MASH Incentive Application (only required if applying for MASH Track 1a incentives):	**Solar Allocation Percentage for All <u>Residential Unit Accounts</u> Listed in MASH Incentive Application (only required if applying for MASH Track 1b incentives):**	**Both Percentages Must Total 100%**
%	%	= 100 %

3) Please use the Section 2 to list all accounts that are located in the Eligible Low Income Facility that will be taking service on NEMVMASH. Alternatively, an Applicant may complete the table below in a digital format (i.e. spreadsheet) and supply that along with the application and agreement to NEMVGen@pge.com. Include the Generator Account, all Common Area Accounts (if any) and all Residential Unit Accounts. The Common Area and Residential Unit Accounts must be associated with the same Generator Account and all must satisfy the applicable Service Delivery Point requirements if any, in the NEMVMASH Applicability Section to be Eligible for Schedule NEMVMASH.

NEMVMASH SINGLE SERVICE DELIVERY POINT

Please note for each row:

- **Account Type** - check the one box corresponding to the type of account (that is, Common Area, Residential Unit or Generator Account). Every row (account) should have one and only one of these 3 boxes checked. *(Required)*

- **Account Address -** Provide an address, including unit number, for all Accounts (for the Generator Account you may use the address of the nearest Common Area Account). *(Required)*

- **Name** - For Common Area Accounts and the Generator Account, the Owner's name must be entered. For Residential Unit Accounts, enter the name of the occupant, if it is known.

- **PG&E Account Number -** Enter the PG&E Account number on all Common Area Accounts and the Generator Account. (Required)

- **Otherwise Applicable Rate Schedule** – Enter the PG&E Otherwise Applicable Rate Schedule (OAS) for all Common Area Accounts and the desired Generator Account. (Required).

- **Solar Allocation Percentage –** For each Common Area Account and Residential Unit Account listed (but not the Generator Account), enter the Solar Allocation Percentage to two decimal places. The Solar Energy Allocation Percentage for each Residential Unit Account must be in proportion to the relative size of each unit, consistent with the manner in which affordable housing rents are established. The total of all Solar Energy Allocation Percentages must equal 100%.

- **Appendix A, Section 2 Page Numbers –** In the space provided on the bottom of each page, please mark the page number and total number of pages for your Appendix A, Section 2 Account List. (Start with Page 1 and do not count the page numbers for these two instruction pages).

  If the Eligible Low Income Facility has been on the MASH program for less than 5 years, verify that: (for all pages included).

  Total of Solar Allocation Percentages for all the Common Area Accounts (if any) _____.

  Total of Solar Allocation Percentage for all the Residential Unit Accounts _____.

  These numbers must match the percentages provided in number 3 above (if receiving MASH incentives), from Line 2, and must add up to 100%.

INTERCONNECTION APPLICATION (Form 79-1174)
ATTACHMENT P5
NEMV2MASH

Section 2

#	Account Type Check only one box for each row *(required field)*			Account Address *(required field)* (for Generator Account use address of nearest common area account)	For Residential Units, Last **Name** of Occupant, if known For Common Area and Generator Accounts, **Owner's Name** (Name on PG&E Account)	*(Required field for Common Area Accounts and Generator Account only)* **PG&E Meter Number**	*(Required field for Common Area Accounts and Generator Account only)* **Otherwise Applicable Rate Schedule (OAS) under NEMVMASH**	*(Required Field for Common Area Accounts and Residential Accounts)* **Solar Energy Allocation Percentage**
	Common Area	Residential Unit	Generator Account (only 1)					
1	❑	❑	❑					
2	❑	❑	❑					
3	❑	❑	❑					
4	❑	❑	❑					
5	❑	❑	❑					
6	❑	❑	❑					
7	❑	❑	❑					
8	❑	❑	❑					
9	❑	❑	❑					
10	❑	❑	❑					
11	❑	❑	❑					
12	❑	❑	❑					
13	❑	❑	❑					
14	❑	❑	❑					
15	❑	❑	❑					
Total Solar Energy Allocation Percentage for this page _____								

INTERCONNECTION APPLICATION (Form 79-1174-02)
ATTACHMENT P6
NEMVMASH DEVELOPMENT

Please note that this does not constitute an application for **rebate** and/or **incentive programs**. For more information on these programs and their specific applications, please contact PG&E by phone, or by email using the subject "solar energy" at smarter-energy@pge.com, 1-800-933-9555 (residential) or BusinessCustomerHelp@pge.com, 1-800-468-4743 (commercial/industrial).

For more information on the , Multifamily Affordable Solar Housing (MASH) or the New Solar Homes Partnership (NSHP) for affordable housing, please go to www.pge.com/csi where you will find information about the program, including the program handbook, reservation request forms with the program contract as well as a list of requirements, FAQ's and resources. For additional questions about the California Solar Initiative (CSI), MASH or the NSHP, contact PG&E at solar@pge.com.

If you are applying for a CSI rebate, please check the appropriate box below and continue with this application.

- ❑ I am also applying for a MASH rebate, and understand that I will have to apply for MASH rebates separately.
- ❑ I am also applying for a NSHP rebate, and understand that I will have to apply for the NSHP rebates separately.

Part 1 - General Facility

A. Expected **date** of Project Completion and PG&E Receipt of Final, Signed-Off Building Permit for Generating Facility?

Date: _____

B. Are there any other generators interconnected on this account?

- ❑ Yes
  If yes, specify what kind of generator _____
- ❑ No

C. Are there any possible generator meter access issues?

- ❑ Yes **If yes**, check all that apply:

❑ Locked Room/Gate	❑ Meter located inside of facility/residence
❑ Unrestrained animal at meter or AC disconnect switch location	❑ Other (Please explain) _____

- ❑ No

D. Are any of your accounts on a Demand Response program?

(For more information on PG&E's demand response programs see: www.pge.com/demandresponse)

- ❑ Yes
  If yes, what program are you on? _____
- ❑ No.

INTERCONNECTION APPLICATION (Form 79-1174-02)
ATTACHMENT P6
NEMVMASH DEVELOPMENT

Part II - Designation of Generator Accounts, and Their Associated Common Area Accounts and Residential Units With Their respective Solar Energy Credit Allocation

Section 1 Instructions

1) Complete the section below (this information must match the Customer Electric Account Contact Information on the associated *Customer and Project Information (79-001)* for the same NEMVMASH Eligible Low Income Facility.

Eligible Low Income Development Name		
Owner Name	Address	Date

2) Is this application for a new NEMVMASH Eligible Low Income Development or a reallocation for an existing Eligible Low Income Development? Existing NEMVMASH Development Owners may not reallocate the Solar Allocation Percentages for all Common Area Accounts and all Residential Unit Accounts for a period of 5 years after first being interconnected on NEMVMASH, even if there is a change in Owner. However, after 5 years a reallocation may be requested. Also, a reallocation of credits between the different Common Area Accounts is allowed, and similarly if a residential unit becomes uninhabitable under the terms described in the NEMVMASH tariff in Special Condition 2 g, the Owner may choose to reallocate credits to the other Residential Unit Accounts.

This application is for an allocation for the initial new NEMVMASH Eligible Low Income Development: ❑

This application is for a reallocation for an existing NEMVMASH Eligible Low Income Development: ❑

3) A NEMVMASH Eligible Low Income Development on NEMVMASH must either receive incentive funds from the Multifamily Affordable Solar Housing Program (MASH), or the New Solar Homes Partnership (NSHP) for affordable housing, or be eligible to receive funds from the MASH program.

Is this Development receiving funds from either the MASH or NSHP program? Yes ❑ No ❑

If it is not receiving either MASH or NSHP incentives, is it eligible to receive MASH funds? Yes ❑ No ❑

4) For a new NEMVMASH Eligible Low Income Development, if you applied for MASH incentives, please enter the percentages in the space provided below from the MASH application.

Solar Allocation Percentage for All Common Area Account(s) Listed in the MASH Incentive Application (only required if applying for MASH Track 1a incentives):	**Solar Allocation Percentage for All Residential Unit Accounts Listed in MASH Incentive Application (only required if applying for MASH Track 1b incentives):**	**Both Percentages Must Total 100%**
%	%	= 100 %

5) Please use Section 2 to list all accounts that are located in the Eligible Low Income Development that will be taking service on NEMVMASH.

On a building by building basis, please list all participating Generator Accounts, Common Area Accounts (if any) and all Residential Unit Accounts as specified in Section 2.

Please note for each row:

- **Account Type** - check the one box corresponding to the type of account (that is, **Generator Account**, **Common Area** or **Residential Unit**). Every row (account) should have one and only one of these 3 boxes checked. *(Required).* Additionally, Generator accounts must also list the CEC AC rating in the **Generator Capacity** column and be numbered, starting with "1" in the **Generator Number** column. The sum of all generators' capacities listed must not exceed 1 MW.

- **Account Address -** Provide an address, including unit number, for all Accounts (for Generator Accounts without an address please specify location in detail). *(Required)*

- **Name** - For Common Area Accounts and the Generator Account, the Owner's name must be entered. For Residential Unit Accounts, enter the name of the occupant, if it is known.

- **PG&E Account Number -** Enter the PG&E Account number on all Common Area Accounts and Generator Accounts. (Required).

- **Otherwise Applicable Rate Schedule** – Enter the PG&E Otherwise Applicable Rate Schedule (OAS) for all Common Area Accounts and desired Generator Accounts. (Required).

- **Total Solar Generation (**bottom of each page) **–** For each Generator Account total the CEC AC rating. The total of all rating of all Generator Accounts on all pages must equal no more than 1 MW.

- **Solar Allocation Percentage (**bottom of the each page) - For each Common Area Account and Residential Unit Account listed (but not the Generator Account), enter the Solar Allocation Percentage to two decimal places. The Solar Energy Allocation Percentage for each Residential Unit Account must be in proportion to the relative size of each unit, consistent with the manner in which affordable housing rents are established. The total of all Solar Energy Allocation Percentages must equal 100%.

6) If the Eligible Low Income Development has been on the MASH program for less than 5 years, verify that: (for all pages included).

   Total of Solar Allocation Percentages for all the Common Area Accounts (if any) _____.

   Total of Solar Allocation Percentage for all the Residential Unit Accounts _____.

   These numbers must match the percentages provided in number 3 above (if receiving MASH incentives), from Line 2, and must add up to 100%.

INTERCONNECTION APPLICATION (Form 79-1174-02)
ATTACHMENT P6
NEMVMASH DEVELOPMENT

Section 2 Please list all participating on a building by building basis.

#	Account Type Check only one box for each row *(required field)*					Account Address *(required field)* (for Generator Accounts without an address please describe location in detail)	Owner's Name *(For Residential Units, Last Name of Occupant, if known* *For Common Area and Generator Accounts. Use Name as shown on PG&E Account)*	PG&E Meter Number *(Required field for Common Area Accounts and Generator Account only)*	Otherwise Applicable Rate Schedule (OAS) under NEMVMASH *(Required field for Common Area Accounts and Generator Account only)*	Solar Energy Allocation Percentage *(up to 2 decimal places. Required Field for Common Area Accounts and Residential Accounts)*
	Generator Account	Generator Number (must complete an Appendix B with a corres-ponding generator number)	Generator Capacity (must total to no more than 1 MW)	Common Area	Residential Unit					
1	❑			❑	❑					
2	❑			❑	❑					
3	❑			❑	❑					
4	❑			❑	❑					
5	❑			❑	❑					
6	❑			❑	❑					
7	❑			❑	❑					
8	❑			❑	❑					
9	❑			❑	❑					
10	❑			❑	❑					
11	❑			❑	❑					
12	❑			❑	❑					
13	❑			❑	❑					
14	❑			❑	❑					
15	❑			❑	❑					
_____ Total Solar Generation this page							Total Solar Energy Allocation Percentage for this page _____			

Electric Sample Form No. 79-1186 Sheet 1
Customer Information Service
Request For Share My Data CISR-SMD

Please Refer to Attached Sample Form

CUSTOMER INFORMATION SERVICE REQUEST FOR SHARE MY DATA (CISR-SMD)

IMPORTANT INFORMATION FOR CUSTOMERS – BE SURE TO READ FIRST
THIS IS A LEGALLY BINDING CONTRACT – READ IT CAREFULLY

This form allows you to create a new Authorization to grant a Third Party access to your PG&E data via PG&E's Share My Data (SMD) platform or to modify or revoke an existing Authorization you currently have on the Share My Data platform. This form should be completed by the main Customer Account Holder (name on the PG&E bill) or the Customer's Authorized Agent.

Pacific Gas and Electric Company's (PG&E's) Gas and Electric Rules 27 and its corresponding privacy policies, which can be found at www.pge.com/about/company/privacy/customer, do not allow for the disclosure of customers' personal information, such as your name, address, phone number, or electric account and billing information, to third parties for purposes other than providing utility services to you or as otherwise required by law, unless you expressly authorize us to do so. This form allows you to exercise your right to disclose personal energy-related information about you to a Third Party under PG&E's Electric Rule 25 which can be found athttps://www.pge.com/tariffs/assets/pdf/tariffbook/ELEC_RULES_25.pdf. This form may be used to authorize the release of electric-related information for Bundled, Community Choice Aggregation (CCA), Direct Access (DA) customers, and gas-related information for Core End-Use and Noncore End-Use customers. When you authorize access by a Third Party to personal energy-related information about you, you agree that you are solely responsible for ensuring that the Third Party safeguards this information from further disclosure without your consent.

If you want to provide data to a Demand Response Provider (DRP), please use "Customer Information Service Request For Demand Response Provider" (CISR-DRP), Form 79-1152.

This agreement at all times shall be subject to such modifications as the California Public Utilities Commission may direct from time to time in the exercise of its jurisdiction, including, without limitation, revisions to the types of customer information to be released.

STEP 1: AUTHORIZATION DETAILS

- ***Please select the action you wish to take:***

  [ ] **CREATE** A NEW AUTHORIZATION – Please Complete SECTION 1
  [ ] **MODIFY** AN EXISTING AUTHORIZATION – Please Complete SECTION 2
  [ ] **REVOKE** AN EXISTING AUTHORIZATION – Please Complete SECTION 3

[SECTION 1: CREATE A NEW AUTHORIZATION]

- ***Please provide either an email address or your My Account User Name:***

  [ ] Email Address: _____
  (The email address you provide here will be used for all transactional emails relating to this Authorization.)

  OR

  [ ] My Account User Name: _____
  (If you provide your My Account User Name you will have the ability to modify or revoke this Authorization via My Account, your PG&E online account. All transactional emails relating to this Authorization will be sent to the email address associated to your My Account account.)

- ***Third Party:***

  Please provide the name of the Third Party you authorize to access your data via the Share My Data platform. You may authorize only those third parties who have registered with PG&E to use the Share My Data platform. This form will not be processed if you list a Third Party who has not registered to use the Share My Data platform.

  Name of Third Party: _____

  (PLEASE NOTE: PG&E has not conducted vendor security reviews on the Share My Data registered Third Parties. Please be sure to read Terms and Conditions offered by the Third Party prior to authorizing the Third Party to access your data.)

- ***Data Elements:***

  Please select the data elements you wish to authorize (you may select more than one data element):

  [ ] **Basic Information** (Includes name and service address)
  [ ] **Billing Information** (Includes up to 48 months historical, current, and ongoing billing records, billing and meter read dates, rate schedule, and voltage class.)
  [ ] **Account Information** (Includes account number(s), service agreement number(s), and service start date.)
  [ ] **Usage Information** (Includes up to 48 months of historical, current, and ongoing electric and/or gas usage data used for bill calculations, interval usage, and interval time-of-use indicators.)
  [ ] **Program Enrollment Information** (Includes current and ongoing PG&E Demand Response program name and status.)

- ***Authorization Period:***

  The Third Party will automatically have access to up to 48 months of historical data from the date the Authorization is created.

  Please select the period of time you wish to authorize the Third Party, listed above, to have ongoing access to the data elements selected above:

  [ ] Ongoing Access Until _____ or until I revoke this Authorization.
  [Date]

  OR

  [ ] Indefinitely until I revoke this Authorization.

  In all cases, the Authorization for a Service Agreement will be automatically revoked when the Service Agreement is closed by the Customer.

- ***Service Agreement IDs to be Authorized:***

  Please list the Account Number(s) and Service Agreement ID(s) you, as the Customer Account Holder, are authorizing the specified Third Party to access via the Share My Data platform:

Account Number	Service Agreement ID

(For more than three Service Agreement IDs please attach a separate file)

[SECTION 2: MODIFY AN EXISTING AUTHORIZATION]

- ***Subscription ID:***

  Please provide the Subscription ID associated to the Authorization you wish to modify. Your Subscription ID can be found in the confirmation email sent to you when the Authorization was initially created. If you cannot find your Subscription ID, please contact PG&E Customer Service at (800) 743-5000 for assistance.

  Subscription ID: _____

- ***Authorization Period:***

  [ ] Ongoing Access Until _____ or until I revoke this Authorization.
  [Date]

  OR

  [ ] Indefinitely until I revoke this Authorization.

  In all cases, the Authorization for a Service Agreement will be automatically revoked when the Service Agreement is closed by the Customer.

- ***Service Agreement IDs to be added and/or removed from Authorization by the Customer Account Holder***

  If you would like to add or remove Service Agreement IDs from this Authorization, please specify them below.

Account Number	Service Agreement ID	Add	Remove
		☐	☐
		☐	☐
		☐	☐

(For more than three Service Agreement IDs please attach a separate file)

[SECTION 3: REVOKE AN EXISTING AUTHORIZATION]

- ***Subscription ID:***

  Please provide the Subscription ID associated to the Authorization you wish to revoke. Your Subscription ID can be found in the confirmation email sent to you when the Authorization was initially created. If you cannot find your Subscription ID, please contact PG&E Customer Service at (800) 743-5000 for assistance.

  Subscription ID: _____

Pacific Gas and Electric Company®

CUSTOMER INFORMATION SERVICE REQUEST FOR SHARE MY DATA (CISR-SMD)

STEP 2: AGREE TO SHARE MY DATA TERMS AND CONDITIONS

Important information: Please read carefully. This is a legally binding agreement.

- ***Customer Authorization to Release Information:***

  I, (First and Last Name of Customer or Agent), _____, authorize the designated Third Party to access the Customer of Record's personal energy data in accordance with these terms and conditions for the designated Service Agreement(s) as indicated in Section 1 or Section 2 above**.** I further understand that the Customer of Record's information may be transmitted to the Third Party even after this Authorization has ended, limited to updates to the data for the time period during which this Authorization was valid. I understand PG&E reserves the right to verify any authorization request submitted before releasing information on my behalf.

  I declare that I am authorized to execute this Authorization manually or electronically on behalf of the Customer of Record, and that I have authority to bind the Customer of Record. I hereby release, hold harmless, and indemnify PG&E from any liability, claims, demands, and causes of action, damages, or expenses resulting from: (1) any release of information to the Third Party pursuant to this Authorization; (2) the unauthorized use of this information by the Third Party or any other third party; and (3) any actions taken by the Third Party pursuant to this Authorization. I understand that I may revoke this Authorization at any time by submitting a newly completed copy of this form with the Revocation check box selected. I hereby indicate my consent to execute and submit this Authorization electronically.

  _____ _____
  Signature of Customer or Agent Date

- ***Customer Authorization for Revocation***

  I, (First and Last Name of Customer or Agent), _____, revoke the Authorization of the designated Third Party to access personal data about me from the designated Service Agreement(s).

  I declare that I am authorized to execute this Revocation manually or electronically on behalf of the Customer of Record, and that I have authority to bind the Customer of Record. I hereby release, hold harmless, and indemnify PG&E from any liability, claims, demands, causes of action, damages, or expenses resulting from: (1) any negligent conduct relating to this Revocation; (2) any refusal to release information to the Third Party pursuant to this Revocation; and (3) any conduct by the Third Party in connection with this Revocation. I hereby indicate my consent to execute and submit this Revocation electronically.

  _____ _____
  Signature of Customer or Agent Date

STEP 3: SUBMIT FORM VIA EMAIL OR MAIL

Forms can be emailed to:
sharemydata@pge.com

Forms can be mailed to:
Pacific Gas and Electric Company
Share My Data
245 Market Street, N3E
San Francisco, CA 94105

Electric Sample Form No. 79-1191 Sheet 1

Generating Facility Interconnection Agreement for Local Government Renewable Energy Self-Generation Bill Credit Transfer (RES-BCT)

Please Refer to Attached Sample Form

(Continued)

GENERATING FACILITY INTERCONNECTION AGREEMENT FOR LOCAL GOVERNMENT RENEWABLE ENERGY SELF-GENERATION BILL CREDIT TRANSFER (RES-BCT)

This *Generating Facility Interconnection Agreement for Local Government Renewable Energy Self-Generation Bill Credit Transfer (RES-BCT)*, (Agreement) is entered into by and between _____, a _____ (Producer), and Pacific Gas and Electric Company (PG&E) a California Corporation. Producer and PG&E are sometimes also referred to in this Agreement jointly as "Parties" or individually as "Party." In consideration of the mutual promises and obligations stated in this Agreement and its attachments, the Parties agree as follows:

1. SCOPE AND PURPOSE

This Agreement provides for Producer to interconnect and operate a Local Government Renewable Energy Self Generation Bill Credit Transfer Generating Facility in parallel with PG&E's Distribution System to serve the electrical loads connected to the electric service account that PG&E uses to interconnect Producer's Generating Facility (or, where permitted under Section 218 of the California Public Utilities Code (PUC), the electric loads of an on-site or neighboring party lawfully connected to Producer's Generating Facility through Producer's circuits).

2. SUMMARY AND DESCRIPTION OF PRODUCER'S GENERATING FACILITY

2.1. A description of the Generating Facility, including a summary of its significant components and a single-line diagram showing the general arrangement of how Producer's Generating Facility and loads are interconnected with PG&E's Distribution System, are attached to and made a part of this Agreement. (Supplied by Producer as Appendix A).

2.2. Generating Facility identification number: _____ (Assigned by PG&E).

2.3. Producer's electric service agreement ID number: _____ (Assigned by PG&E).

2.4. Name and address used by PG&E to locate the electric service account used to interconnect the Generating Facility with PG&E's Distribution System:

Name: _____

Address: _____

City/Zip Code: _____

2.5. The Gross Nameplate Rating of the Generating Facility is: _____ kW.

2.6. The Net Nameplate Rating of the Generating Facility is _____ kW.

2.7. The expected annual energy production of the Generating Facility is _____ kWh.

2.8. For the purpose of securing the Competition Transition Charge exemption available under Section 372 of the California Public Utilities Code (PUC), Producer hereby declares that the Generating Facility ☐ does / ☐ does not meet the requirements for Cogeneration as such term is used in Section 216.6 of the California Public Utilities Code.

2.9. The Generating Facility's expected date of Initial Operation is _____.
The expected date of Initial Operation shall be within two years of the date of this Agreement.

3. DOCUMENTS INCLUDED; DEFINED TERMS

3.1. This Agreement includes the following exhibits which are specifically incorporated herein and made a part of this Agreement.

Appendix A-	Description of Generating Facility and Single-Line Diagram (Supplied by Producer).
Appendix B-	Copies of Rules 2 and 21 and other selected rules and tariffs of PG&E (Supplied by PG&E).
Appendix C-	A Copy of PG&E's Agreement for Installation of Allocation of Special Facilities for Parallel Operation of Nonutility-Owned Generation and/or Electrical Standby Service (Form 79-280) (Special Facility Agreement), if applicable, (Formed by the Parties).
Appendix D-	Producer Warranty that it Meets the Requirements for an Eligible Customer-Generator and is an Eligible Renewable Electrical Generation Facility Pursuant to Section 2830 of the California Public Utilities Code
Appendix E-	Producer Certification that it meets the Definition of a Local Government, as Defined in Public Utilities Section 2830(A)

3.2. When initially capitalized, whether in the singular or in the plural, the terms used herein shall have the meanings assigned to them either in this Agreement or in PG&E's Rule 21, Section C.

4. TERM AND TERMINATION

4.1. This Agreement shall become effective as of the last date entered in Section 19, below. The Agreement shall continue in full force and effect until the earliest date that one of the following events occurs:

(a) The Parties agree in writing to terminate the Agreement.

(b) Unless otherwise agreed in writing by the Parties, at 12:01 A.M. on the day following the date the electric service account through which Producer's Generating Facility is interconnected to PG&E's Distribution System is closed or terminated.

(c) At 12:01 A.M. on the 61st day after Producer or PG&E provides written Notice pursuant to Section 11 below to the other Party of Producer's or PG&E's intent to terminate this Agreement.

4.2. Producer may elect to terminate this Agreement pursuant to the terms of Section 4.1(c) for any reason. PG&E may elect to terminate this Agreement pursuant to the terms of Section 4.1(c) for one or more of the following reasons:

(a) A change in applicable rules, tariffs, and regulations, as approved or directed by the Commission, or a change in any local, state or federal law, statute or regulation, either of which materially alters or otherwise affects PG&E's ability or obligation to perform PG&E's duties under this Agreement; or,

(b) Producer fails to take all corrective actions specified in PG&E's Notice that Producer's Generating Facility is out of compliance with the terms of this Agreement within the time frame set forth in such Notice; or,

(c) Producer fails to interconnect and operate the Generating Facility per the terms of this Agreement prior to 120 days after the date set forth in Section 2.9, above, as the Generating Facility's expected date of Initial Operation; or,

(d) Producer abandons the Generating Facility. PG&E shall deem the Generating Facility to be abandoned if PG&E determines, in its sole opinion, the Generating Facility is non-operational and Producer does not provide a substantive response to PG&E Notice of its intent to terminate this Agreement as a result of Producer's apparent abandonment of the Generating Facility affirming Producer's intent and ability to continue to operate the Generating Facility.

4.3. Notwithstanding any other provisions of this Agreement, PG&E shall have the right to unilaterally file with the Commission, pursuant to the Commission's rules and regulations, an application to terminate this Agreement.

4.4. Any agreements attached to and incorporated into this Agreement shall terminate concurrently with this Agreement unless the Parties have agreed otherwise in writing.

5. GENERATING FACILITY, OPERATION AND CERTIFICATION REQUIREMENTS

5.1. If Producer declares that its Generating Facility meets the requirements for Cogeneration as such term is used in Section 216.6 of the PUC (or any successor definition of Cogeneration) (Cogeneration Requirements), Producer warrants that, beginning on the date of Initial Operation and continuing throughout the term of this Agreement, its Generating Facility shall continue to meet such Cogeneration Requirements. If Producer becomes aware that its Generating Facility has ceased to meet the Cogeneration Requirements, Producer shall promptly provide PG&E with Notice of such change pursuant to Section 11.1 below. If at any time during the term of this Agreement PG&E determines in its sole discretion that Producer's Generating Facility may no longer meet the Cogeneration Requirements, PG&E

may require Producer to provide evidence that its Generating Facility continues to meet the Cogeneration Requirements within 15 business days of PG&E's request for such evidence. Additionally, PG&E may periodically (typically, once per year) inspect Producer's Generating Facility and/or require documentation from Producer to monitor the Generating Facility's compliance with Section 216.6 of the PUC. If PG&E determines in its sole judgment that Producer either failed to provide evidence in a timely manner or that it provided insufficient evidence that its Generating Facility continues to meet the Cogeneration Requirements, then the Cogeneration status of the Generating Facility shall be deemed ineffective until such time as Producer again demonstrates to PG&E's reasonable satisfaction that the Generating Facility meets the requirements for a Cogeneration facility (the Status Change).

5.1.1. PG&E shall revise its records and the administration of this Agreement to reflect the Status Change and provide Notice to Producer of the Status Change pursuant to Section 12.1 below. This Notice shall specify the effective date of the Status Change. This date shall be the first day of the calendar year for which PG&E determines in its sole discretion that the Generating Facility first ceased to meet the Cogeneration Requirements. PG&E's Notice shall include an invoice for Competition Transition Charges (CTCs) that were not previously billed during the period between the effective date of the Status Change and the date of the Notice in reliance upon Producer's representations that the Generating Facility complied with the Cogeneration Requirements and therefore was eligible for the exemption from CTCs available under Section 372 of the PUC.

5.1.2. Any amounts to be paid or refunded by Producer, as may be invoiced by PG&E pursuant to the terms of this Section 5.1, shall be paid to PG&E within 30 days of Producer's receipt of such invoice.

5.2. The Producer certifies that their inverter-based Generating Facilities will upon receiving permission to operate from PG&E fully comply with Section Hh of Rule 21 that is in effect at the time the application is received, including configuration of protective settings and default settings, in accordance with the specifications therein.

Distribution Provider may require a field verification of the Producer inverter. Producer further agrees to cooperate fully with any such request and make their inverter available to the Distribution Provider for such verification. Producer understands that in the event the inverter is not set in accordance with Section Hh of Rule 21, Producer will need to cease operation of generating facility until verification is confirmed by Distribution Provider. (Solar Inverter models and firmware versions that comply with Rule 21 Section Hh can be found athttps://www.energy.ca.gov/programs-and-topics/topics/renewable-energy/solar-equipment-lists.

Verification of inverter model's compliance with such requirements shall be provided by the Producer upon request by PG&E in accordance with PG&E's Electric Rule 21.

An "existing inverter" is defined as an inverter that is a component of an existing

Generating Facility that meets one or more of the following conditions:

6. INTERCONNECTION FACILITIES

6.1. Producer and/or PG&E, as appropriate, shall provide Interconnection Facilities that adequately protect PG&E's Distribution System, personnel, and other persons from damage or injury, which may be caused by the operation of Producer's Generating Facility.

6.2. Producer shall be solely responsible for the costs, design, purchase, construction, operation, and maintenance of the Interconnection Facilities that Producer owns.

6.3. If the provisions of PG&E's Rule 21, or any other tariff or rule approved by the Commission, requires PG&E to own and operate a portion of the Interconnection Facilities, Producer and PG&E shall promptly execute an Special Facilities Agreement that establishes and allocates responsibility for the design, installation, operation, maintenance, and ownership of the Interconnection Facilities. This Special Facilities Agreement shall be attached to and made a part of this Agreement as Appendix C.

7. DISTRIBUTION UPGRADES

The Distribution Provider shall design, procure, construct, install, and own the Distribution Upgrades described in a Special Facilities Agreement attached to and made a part of this Agreement as Appendix C. The actual cost of the Distribution Upgrades, including overheads, shall be directly assigned to the Interconnection Customer.

8. NETWORK UPGRADES

8.1. No portion of this Section 8 shall apply unless the interconnection of the Generating Facility requires Network Upgrades.

8.2. The Distribution Provider or the Distribution Owner shall design, procure, construct, install, and own the Network Upgrades required to interconnection this Generating Facility. Unless the Distribution Provider elects to pay for Network Upgrades, the actual cost of the Network Upgrades, including overheads, shall be borne by the Interconnection Customer unless Section 8.2.1 directs otherwise.

8.2.1. To the extent that the CAISO Tariff, as referenced in Rule 21 section E.4, provides for cash repayment to interconnection customers for contribution to the cost of Network Upgrades, the Interconnection Customer shall be entitled to a cash repayment, equal to the total amount paid to the Distribution Provider and Affected System operator, if any, for Network Upgrades, including any tax gross-up or other tax-related payments associated with the Network Upgrades, and not otherwise refunded to the Interconnection Customer, to be paid to the Interconnection Customer on a dollar-for-dollar basis for the non-usage sensitive portion of transmission charges, as payments are made under the Distribution Provider's Tariff and Affected System's Tariff for transmission services with respect to the Generating Facility. Any repayment shall include interest calculated in accordance with the methodology set forth in FERC's regulations at 18

C.F.R. §35.19a(a)(2)(iii) from the date of any payment for Network Upgrades through the date on which the Interconnection Customer receives a repayment of such payment pursuant to this subparagraph. The Interconnection Customer may assign such repayment rights to any person. To the extent that the CAISO Tariff does not provide for cash repayment to interconnection customers for contribution to the cost of Network Upgrades, Interconnection Customer is not entitled to a cash repayment for amounts paid to the Distribution Provider and Affected System operator for Network Upgrades, and no cash repayment shall be made pursuant to this Agreement.

8.2.1.1. If the Interconnection Customer is entitled to a cash repayment pursuant to Article 8.2.1, the Interconnection Customer, the Distribution Provider, and any applicable Affected System operators may adopt any alternative payment schedule that is mutually agreeable so long as the Distribution Provider and said Affected System operators take one of the following actions no later than five years from the Commercial Operation Date: (1) return to the Interconnection Customer any amounts advanced for Network Upgrades not previously repaid, or (2) declare in writing that the Distribution Provider or any applicable Affected System operators will continue to provide payments to the Interconnection Customer on a dollar-for-dollar basis for the nonusage sensitive portion of transmission charges, or develop an alternative schedule that is mutually agreeable and provides for the return of all amounts advanced for Network Upgrades not previously repaid; however, full reimbursement shall not extend beyond twenty (20) years from the commercial operation date.

8.2.1.2. If the Generating Facility fails to achieve commercial operation, but it or another generating facility is later constructed and requires use of the Network Upgrades, the Distribution Provider and Affected System operator shall at that time reimburse the Interconnection Customer for the amounts advanced for the Network Upgrades if the Interconnection Customer is entitled to a cash repayment pursuant to Article 8.2.1. Before any such reimbursement can occur, the Interconnection Customer, or the entity that ultimately constructs the generating facility, if different, is responsible for identifying the entity to which reimbursement must be made.

8.3. Notwithstanding any other provision of this Agreement, nothing herein shall be construed as relinquishing or foreclosing any rights, including but not limited to firm transmission rights, capacity rights, transmission congestion rights, or transmission credits, that the Interconnection Customer shall be entitled to, now or in the future, under any other agreement or tariff as a result of, or otherwise associated with, the transmission capacity, if any, created by the Network Upgrades, including the right to obtain cash reimbursements or transmission credits for transmission service that

is not associated with the Generating Facility.

9. LIMITATION OF LIABILITY

Each Party's liability to the other Party for any loss, cost, claim, injury, liability, or expense, including reasonable attorney's fees, relating to or arising from any act or omission in its performance of this agreement, shall be limited to the amount of direct damage actually incurred. In no event shall either Party be liable to the other Party for any indirect, special, consequential, or punitive damages of any kind whatsoever.

10. INSURANCE

10.1. In connection with Producer's performance of its duties and obligations under this Agreement, Producer shall maintain, during the term of this Agreement, general liability insurance with a combined single limit of not less than:

(a) Two million dollars ($2,000,000) for each occurrence if the Gross Nameplate Rating of Producer's Generating Facility is greater than one hundred (100) kW;

(b) One million dollars ($1,000,000) for each occurrence if the Gross Nameplate Rating of Producer's Generating Facility is greater than twenty (20) kW and less than or equal to one hundred (100) kW; and

(c) Five hundred thousand dollars ($500,000) for each occurrence if the Gross Nameplate Rating of Producer's Generating Facility is twenty (20) kW or less.

(d) Two hundred thousand dollars ($200,000) for each occurrence if the Gross Nameplate Rating of Producer's Generating Facility is ten (10) kW or less and Producer's Generating Facility is connected to an account receiving residential service from PG&E.

Such general liability insurance shall include coverage for "Premises-Operations, Owners and Contractors Protective, Products/Completed Operations Hazard, Explosion, Collapse, Underground, Contractual Liability, and Broad Form Property Damage including Completed Operations."

10.2. The general liability insurance required in Section 10.1 shall, by endorsement to the policy or policies, (a) include PG&E as an additional insured; (b) contain a severability of interest clause or cross-liability clause; (c) provide that PG&E shall not by reason of its inclusion as an additional insured incur liability to the insurance carrier for payment of premium for such insurance; and (d) provide for thirty (30) calendar days' written notice to PG&E prior to cancellation, termination, alteration, or material change of such insurance.

10.3. Evidence of the insurance required in Section 10.2 shall state that coverage provided is primary and is not in excess to or contributing with any insurance or self-insurance maintained by PG&E.

10.4. Producer agrees to furnish the required certificates and endorsements to PG&E

prior to Initial Operation. PG&E shall have the right to inspect or obtain a copy of the original policy or policies of insurance.

10.5. If Producer is self-insured with an established record of self-insurance, Producer may comply with the following in lieu of Sections 10.1 through 10.4:

(a) Producer shall provide to, PG&E, at least thirty (30) calendar days prior to the date of Initial Operation, evidence of an acceptable plan to self-insure to a level of coverage equivalent to that required under Section 10.1.

(b) If Producer ceases to self-insure to the level required hereunder, or if Producer are unable to provide continuing evidence of Producer's ability to self-insure, Producer agrees to immediately obtain the coverage required under Section 10.1.

10.6. All insurance certificates, statements of self-insurance, endorsements, cancellations, terminations, alterations, and material changes of such insurance shall be issued and submitted via email or fax to the following:

Pacific Gas and Electric Company
c/o EXIGIS LLC
support@exigis.com
Fax: 646-755-3327

11. NOTICES

11.1. Any written notice, demand, or request required or authorized in connection with this Agreement (Notice) shall be deemed properly given if delivered in person or sent by first class mail, postage prepaid, to the person specified below:

If to PG&E: Pacific Gas and Electric Company
Attention: Electric Generation Interconnection - Contract Management
245 Market Street
Mail Code N7L
San Francisco, California 94105-1702

If to Producer:

Producer Name: _____

Address: _____

City: _____

Phone: ( ) _____

FAX: ( ) _____

11.2. A Party may change its address for Notices at any time by providing the other Party Notice of the change in accordance with Section 11.1.

11.3. The Parties may also designate operating representatives to conduct the daily communications, which may be necessary or convenient for the administration of

this Agreement. Such designations, including names, addresses, and phone numbers may be communicated or revised by one Party's Notice to the other.

12. REVIEW OF RECORDS AND DATA

12.1. PG&E shall have the right to review and obtain copies of Producer's operations and maintenance records, logs, or other information such as, unit availability, maintenance outages, circuit breaker operation requiring manual reset, relay targets and unusual events pertaining to Producer's Generating Facility or its interconnection with PG&E's Distribution System.

12.2. Producer authorizes to release to the California Energy Commission (CEC) information regarding Producer's facility, including customer name, location, size, and operational characteristics of the unit, as requested from time to time pursuant to the CEC's rules and regulations.

13. ASSIGNMENT

Producer shall not voluntarily assign its rights nor delegate its duties under this Agreement without PG&E's written consent. Any assignment or delegation Producer makes without PG&E's written consent shall not be valid. PG&E shall not unreasonably withhold its consent to Producer's assignment of this Agreement.

14. NON-WAIVER

None of the provisions of this Agreement shall be considered waived by a Party unless such waiver is given in writing. The failure of a Party to insist in any one or more instances upon strict performance of any of the provisions of this Agreement or to take advantage of any of its rights hereunder shall not be construed as a waiver of any such provisions or the relinquishment of any such rights for the future, but the same shall continue and remain in full force and effect.

15. GOVERNING LAW, JURISDICTION OF COMMISSION, INCLUSION OF PG&E's TARIFF SCHEDULES AND RULES

15.1. This Agreement shall be interpreted, governed, and construed under the laws of the State of California as if executed and to be performed wholly within the State of California without giving effect to choice of law provisions that might apply to the law of a different jurisdiction.

15.2. This Agreement shall, at all times, be subject to such changes or modifications by the Commission as it may from time to time direct in the exercise of its jurisdiction.

15.3. The interconnection and services provided under this Agreement shall at all times be subject to the terms and conditions set forth in the Tariff Schedules and Rules applicable to the electric service provided by, PG&E, which Tariff Schedules and Rules are hereby incorporated into this Agreement by this reference.

15.4. Notwithstanding any other provisions of this Agreement, PG&E shall have the right to unilaterally file with the Commission, pursuant to the Commission's rules and regulations, an application for change in rates, charges, classification, service, tariff or rule or any agreement relating thereto.

16. AMENDMENT AND MODIFICATION

This Agreement can only be amended or modified in writing, signed by both Parties.

17. ENTIRE AGREEMENT

This Agreement, including any incorporated Tariff Schedules and rules, contains the entire agreement and understanding between the Parties, their agents, and employees as to the subject matter of this Agreement. Each party also represents that in entering into this Agreement, it has not relied on any promise, inducement, representation, warranty, agreement or other statement not set forth in this Agreement or in the incorporated tariff schedules and rules.

18. SIGNATURES

IN WITNESS WHEREOF, the Parties hereto have caused two originals of this Agreement to be executed by their duly authorized representatives. This Agreement is effective as of the last date set forth below.

BY:

	PACIFIC GAS AND ELECTRIC COMPANY
(Producer's Company Name)	
(Signature)	*(Signature)*
(Print Name)	*(Print Name)*
(Title)	*(Title)*
(Date)	*(Date)*

APPENDIX A

DESCRIPTION OF GENERATING FACILITY
AND SINGLE-LINE DIAGRAM,
(Provided by Producer)

APPENDIX B

RULES "2" AND "21"

Note: PG&E's electric Rules "2" and "21" may be subject to such changes or modifications by the Commission as the Commission may, from time to time, direct in the exercise of its jurisdiction. PG&E's tariffs, including Rules "2" and "21" can be accessed via the PG&E website at www.pge.com/tariffs. Upon request, PG&E can provide copies to Producer of Rules "2" and "21.")

APPENDIX C (If Applicable)

RULE 21 "SPECIAL FACILITIES" AGREEMENT
(Formed between the Parties)

APPENDIX D

PRODUCER WARRANTY THAT IT MEETS THE REQUIREMENTS FOR AN ELIGIBLE RENEWABLE GENERATING FACILITY PURSUANT TO SECTION 2830 OF THE CALIFORNIA PUBLIC UTILITIES CODE

Identify the Type of Renewable Electrical Generation Facility:

❑ biomass	❑ geothermal	❑ municipal solid waste
❑ solar thermal	❑ fuel cell	❑ landfill gas
❑ small hydroelectric generation	❑ ocean wave	❑ digester gas
❑ ocean thermal	❑ tidal current	

RES-BCT Producer declares that its Generating Facility:

(1) meets the requirements of an "Eligible Renewable Generating Facility", as defined in Section 2830(a)(4) of the California Public Utilities Code and

(2) satisfies the definitions of the renewable resource for the Renewable Electrical Generation Facility in the latest version of the California Energy Commission's (CEC's) Renewables Portfolio Standard (RPS) Eligibility Guidebook and the Overall Program Guidebook.[1] (Eligibility Requirements).

Included in these eligibility requirements (check as applicable) pursuant to Public Utilities Code section 2830(a)(4) and Public Resource Code Section 25741 paragraph 1(a):

❑ If the Renewable Electrical Generation Facility is a fuel cell, or otherwise uses renewable biogas or otherwise, Eligible Producer warrants that the fuel cell is powered solely with renewable fuel.

❑ If the Renewable Electrical Generation Facility is a Small hydroelectric generating facility, customer warrants that it will not cause an adverse impact on instream beneficial uses, nor cause a change in the volume or timing of streamflow).

If the Customer uses biogas or a renewable fuel as the fuel for their Renewable Electric Generation Facility:

❑ Eligible Producer warrants that the Renewable Generation Facility is powered solely with renewable fuel.

Eligible Producer warrants that, beginning on the date of Initial Operation and continuing throughout the term of this Agreement, Eligible Producer and the Generating Facility shall continue to meet the

[1] The RPS Guidebooks can be found at: https://www.energy.ca.gov/programs-and-topics/programs/renewables-portfolio-standard

Eligibility Requirements. If Eligible Producer or the Generating Facility ceases to meet the Eligibility Requirements, Eligible Producer shall promptly provide PG&E with Notice of such change pursuant to Section 12 of this Agreement. If at any time during the term of this Agreement PG&E determines, at its sole discretion, that Eligible Producer or Generating Facility may no longer meet the Eligibility Requirements, PG&E may require Eligible Producer to provide evidence that Eligible Producer and/or Generating Facility continues to meet the Eligibility Requirements, within 15 business days of PG&E's request for such evidence. Additionally, PG&E may periodically (typically, once per year) inspect Producer's Generating Facility and/or require documentation from Eligible Producer to monitor the Generating Facility's compliance with the Eligibility Requirements. If PG&E determines at its sole judgment that Eligible Producer either failed to provide evidence in a timely manner or that it provided insufficient evidence that its Generating Facility continues to meet the Eligibility Requirements, then the Eligibility Status shall be deemed ineffective until such time as Eligible Producer again demonstrates to PG&E's reasonable satisfaction that Eligible Producer meets the requirements for an Eligible Customer–Generator and/or the Generating Facility meets the requirements for a Eligible electrical generating facility (the Eligibility Status Change).

PG&E shall revise its records and the administration of this Agreement to reflect the Eligibility Status Change and provide Notice to Eligible Producer of the Eligibility Status Change pursuant to Section 12 of this Agreement. Such Notice shall specify the effective date of the Eligibility Status Change. This date shall be the first day of the calendar year for which PG&E determines in its sole discretion that the Eligible Producer and/or Generating Facility first ceased to meet the Eligibility Requirements. PG&E shall invoice the Eligible Producer for any tariff charges that were not previously billed during the period between the effective date of the Eligibility Status Change and the date of the Notice in reliance upon Eligible Producer's representations that Eligible Producer and/or Generating Facility complied with the Eligibility Requirements and therefore was eligible for the rate treatment available under the provisions of PG&E's Schedule RES-BCT.

Any amounts to be paid or refunded by Eligible Producer, as may be invoiced by PG&E pursuant to the terms of this warranty, shall be paid to PG&E within 30 days of Eligible Producer's receipt of such invoice.

Unless otherwise ordered by the CPUC, this Agreement at all times shall be subject to such modifications as the CPUC may direct from time to time in the exercise of its jurisdiction.

I certify the above is true and correct,

Producer Signature:_____

Name:_____

Title:_____

Date:_____

APPENDIX E

PRODUCER CERTIFICATION THAT IT MEETS THE DEFINITION OF A LOCAL GOVERNMENT, AS DEFINED IN PUBLIC UTILITIES SECTION 2830(A)

The Producer certifies that it is a Local Government that meets the definition of a "Local Government" as defined in Public Utilities code (PU) Section 2830 (a) (6) and, where applicable, PU Section 2830 (a) (3).

PU Code § 2830 (a) (6) reads as follows:

"Local government" means a city, county, whether general law or chartered, city and county, special district, school district, political subdivision, or other local public agency, but shall not mean a joint powers authority, the state or any agency or department of the state, other than an individual campus of the University of California or the California State University.

And a campus is defined in PU Code 2830 (a) (3) as:

"Campus" means an individual community college campus, individual California State University campus, or individual University of California campus.

In addition applicant certifies that all of the service agreements listed on the submitted Rule 21 Generation Interconnection Application are accounts for this same Local Government.

I am duly authorized to make this certification on behalf of the Local Government submitting this RES-BCT Application.

Name: _____

Title: _____

Authorized Signature: _____

Date _____

Electric Sample Form No. 79-1198-02 Sheet 1

Interconnection Agreement for Net Energy Metering (NEM2) and
Renewable Electrical Generating Facility Sized Greater than 1,000 kW

Please Refer to Attached
Sample Form

(Continued)

INTERCONNECTION AGREEMENT FOR NET ENERGY METERING (NEM2) AND RENEWABLE ELECTRICAL GENERATING FACILITY SIZED GREATER THAN 1,000 KW

This *Interconnection Agreement for Net Energy Metering (NEM2) and Renewable Electrical Generating Facility Sized Greater than 1,000 kW* (Agreement)[1] is entered into by and between _____ (Customer-Generator), and Pacific Gas and Electric Company (PG&E), a California Corporation. Customer-Generator and PG&E are sometimes also referred to in this Agreement jointly as "Parties" or individually as "Party." In consideration of the mutual promises and obligations stated in this Agreement and its attachments, the Parties agree as follows:

1. SCOPE AND PURPOSE

This Agreement provides for Customer-Generator to interconnect and operate a Generating Facility in parallel with PG&E's Electric System to serve the electrical loads connected to the electric service agreement ID number that PG&E uses to interconnect Customer-Generator's Generating Facility. Customer-Generator's Generating Facility is intended primarily to offset part or all of the Customer-Generator's own electrical requirements. Consistent with, and in order to effectuate, the provisions of Sections 2827, and 2827.7 of the California Public Utilities Code and PG&E's electric rate Schedule NEM2 (NEM2), Parties enter into this Agreement. This Agreement applies to the Customer-Generator's Generating Facilities identified below with the specified characteristics and generating capacity, and does not allow interconnection or operation of facilities different than those described.

2. SUMMARY AND DESCRIPTION OF CUSTOMER-GENERATOR'S GENERATING FACILITY AND DESIGNATION OF OTHERWISE-APPLICABLE RATE SCHEDULE

2.1 A description of the Generating Facility, including a summary of its significant components and a single-line diagram showing the general arrangement of how Customer-Generator's Generating Facility and loads are interconnected with PG&E's Electric System, is attached to and made a part of this Agreement.

2.2 Generating Facility identification number: _____ (Assigned by PG&E).

2.3 Customer-Generator's electric service agreement ID number: _____ (Assigned by PG&E).

2.4 Name and address used by PG&E to locate the electric service agreement ID number used to interconnect the Generating Facility with PG&E's Electric System:

Name: _____

Address: _____

City/Zip Code: _____

[1] Additional forms are available on PG&E's website at http://www.pge.com/gen).

2.5 The Gross Nameplate Rating of the Generating Facility is: _____ kW.

2.6 The Net Nameplate Rating of the Generating Facility is _____ kW.

2.7 The purpose of securing the Competition Transition Charge exemption available under Section 372 of the California Public Utilities Code (PUC), Producer hereby declares that the portion of the Generating Facility that is generating in a combined heat and power mode ☐ does / ☐ does not meet the requirements for Cogeneration as such term is used in Section 216.6 of the California Public Utilities Code.

2.8 Customer-Generator's otherwise-applicable rate schedule as of the execution of this Agreement _____.

2.9 The Generating Facility's expected date of Initial Operation is _____.
The expected date of Initial Operation shall be within two years of the date of this Agreement.

2.10 The Producer certifies that their inverter-based Generating Facilities will upon receiving permission to operate from PG&E fully comply with Section Hh of Rule 21 that is in effect at the time the application is received, including configuration of protective settings and default settings, in accordance with the specifications therein.

Distribution Provider may require a field verification of the Customer-Generator's inverter. Customer-Generator further agrees to cooperate fully with any such request and make their inverter available to the Distribution Provider for such verification. Customer-Generator understands that in the event the inverter is not set in accordance with Section Hh of Rule 21, Customer-Generator will need to cease operation of generating facility until verification is confirmed by Distribution Provider.

(Solar Inverter models and firmware versions that comply with Rule 21 Section Hh can be found at https://www.energy.ca.gov/programs-and-topics/topics/renewable-energy/solar-equipment-lists.)

Verification of compliance with such requirements shall be provided by the Customer-Generator upon request by PG&E in accordance with PG&E's Electric Rule 21.

An "existing inverter" is defined as an inverter that is a component of an existing Generating Facility that meets one or more of the following conditions:

(a) it is already approved by PG&E for interconnection prior to September 9, 2017

(b) the Customer-Generator has submitted the interconnection application prior to September 9, 2017,

(c) the Customer-Generator provides evidence of having applied for an electrical permit for the Generating Facility installation that is dated prior to September 9, 2017 and submitted a complete interconnection application[2] no later than March 31, 2018, or

[2] A complete application consists all of the following without deficiencies:
1. A completed Interconnection Application including all supporting documents and required

(d) the Customer-Generator provides evidence of a final inspection clearance from the governmental authority having jurisdiction over the Generating Facility prior to September 9, 2017.

All "existing inverters" are not required to be Smart Inverters and are only subject to Section H of Rule 21. Customer-Generator replacing an "existing inverter" certifies it is being replaced with either:

(i) inverter equipment that complies with Section Hh of Rule 21, (encouraged); or

(ii) a conventional inverter that is of the same size and equivalent ability to that of the inverter being replaced, as allowed in Rule 21 Section H.3.d.ii.

3. DOCUMENTS INCLUDED AND DEFINED TERMS

3.1 This Agreement includes the following exhibits that are specifically incorporated herein and made a part of this Agreement.

Attachment A	Additional Terms and Conditions for Projects Requiring Interconnection Facilities and/or Upgrades to PG&E's Distribution and/or Transmission System
Attachment B	Final Study Report Including Description and Costs of the Generating Facility, Interconnection Facilities, Metering Equipment, Distribution and/or Network Upgrades and Cost Responsibility
Attachment C	Expected Date of Initial Operation
Attachment D	NEM2V or NEM2VMSH Storage (when applicable)
Attachment E	NEM2 Load Aggregation Customer-Generator Declaration Warranting NEM2 Aggregation Is Located on Same or Adjacent or Contiguous Property to Generator Parcel (when applicable)
Attachment F	Addendum for Net Energy Metering Multiple Tariff (when applicable)
Attachment G	Producer's Warranty that the Generating Facility is a "Cogeneration Facility" Pursuant to Section 216.6 of the California Public Utilities Code (when applicable)
Attachment H	Producer's Warranty that the Generating Facility is an Eligible Biogas Electrical Generating Facility Pursuant to Section 2827.9 of the California Public Utilities Code (when applicable)

payments,
2. A completed signed Interconnection Agreement,
3. Evidence of the Customer-Generator final inspection clearance from the governmental authority having jurisdiction over the generating system.

Attachment I Schedule NEM2 Customer-Generator Warranty that it Meets the Requirements for an Eligible Customer-Generator and is an Eligible Renewable Electrical Generation Facility Pursuant to Section 2827.1 of the California Public Utilities Code (when applicable)

Attachment J Operating Requirements for Energy Storage Device(s) (when applicable)

Attachment K NEMFC Customer Agreement Starting January 1, 2017 Until California Air Resources Board Emission Standard is Established (when applicable)

In addition, PG&E Electric Tariff Rules and Rates, including but not limited to Electric Rules 2, 14, 15, 16, and 21, Schedule NEM2, and Customer-Generator's otherwise-applicable rate schedule, available at PG&E's website at www.pge.com or by request, are specifically incorporated herein and made part of this Agreement.

3.2 When initially capitalized, whether in the singular or in the plural, the terms used herein shall have the meanings assigned to them either in this Agreement or in PG&E's Electric Rule 21, Section C.

4. CUSTOMER BILLING AND PAYMENT

Customer-Generator initially selected Pacific Gas and Electric Company's electric rate schedule referenced in Section 2.7 of this Agreement as its otherwise-applicable rate schedule. Customer-Generator understands that they will be billed according to the otherwise-applicable rate schedule and Schedule NEM2.

5. TERM AND TERMINATION

5.1 This Agreement shall become effective as of the last date entered in Section 17 below. The Agreement shall continue in full force and effect until the earliest date that one of the following events occurs:

(a) The Parties agree in writing to terminate the Agreement.

(b) Unless otherwise agreed in writing by the Parties, at 12:01 A.M. on the day following the date the electric service agreement ID number through which Customer-Generator's Generating Facility is interconnected to PG&E is closed or terminated.

(c) At 12:01 A.M. on the 61st day after Customer-Generator or PG&E provides written Notice pursuant to Section 10 below to the other Party of Customer-Generator's or PG&E's intent to terminate this Agreement.

5.2 Customer-Generator may elect to terminate this Agreement pursuant to the terms of Section 5.1(c) for any reason. PG&E may elect to terminate this Agreement pursuant to the terms of Section 5.1(c) for one or more of the following reasons:

(a) A change in applicable rules, tariffs, or regulations, as approved or directed by the Commission, or a change in any local, state or federal law, statute or regulation, either of which materially alters or otherwise affects PG&E's ability or obligation to perform PG&E's duties under this Agreement; or,

(b) Customer-Generator fails to take all corrective actions specified in PG&E's Notice that Customer-Generator's Generating Facility is out of compliance with the terms of this Agreement within the time frame set forth in such Notice; or,

(c) Customer-Generator abandons the Generating Facility. PG&E shall deem the Generating Facility to be abandoned if PG&E determines, in its sole opinion, the Generating Facility is nonoperational and Customer-Generator does not provide a substantive response to PG&E Notice of its intent to terminate this Agreement as a result of Customer-Generator's apparent abandonment of the Generating Facility affirming Customer-Generator's intent and ability to continue to operate the Generating Facility; or,

(d) Customer-Generator's Generating Facility ceases to meet all applicable safety and performance standards set out in Section 6.

5.3 Notwithstanding any other provisions of this Agreement, PG&E shall have the right to unilaterally file with the Commission, pursuant to the Commission's rules and regulations, an application to terminate this Agreement.

5.4 Any agreements attached to and incorporated into this Agreement shall terminate concurrently with this Agreement unless the Parties have agreed otherwise in writing.

6. GENERATING FACILITY REQUIREMENTS

6.1 Customer-Generator's Generating Facility must meet all applicable safety and performance standards established by the National Electrical Code, the Institute of Electrical and Electronics Engineers, and accredited testing laboratories such as Underwriters Laboratories and, where applicable, rules of the Commission regarding safety and reliability including Rule 21.

6.2 Customer-Generator shall: (a) maintain the Generating Facility and Interconnection Facilities in a safe and prudent manner and in conformance with all applicable laws and regulations including, but not limited to, Section 6.1, and (b) obtain any governmental authorizations and permits required for the construction and operation of the Generating Facility and Interconnection Facilities. Customer-Generator shall reimburse PG&E for any and all losses, damages, claims, penalties, or liability it incurs as a result of Customer-Generator's failure to obtain or maintain any governmental authorizations and permits required for construction and operation of Customer-Generator's Generating Facility.

6.3 Customer-Generator shall not commence parallel operation of the Generating Facility until PG&E has provided express written approval. Such approval shall normally be provided no later than thirty (30) business days following PG&E's receipt of: (1) a completed *Generating Facility Interconnection Application for Non-Export or Certain Net Energy Metered Generating Facilities* (Form 79-1174-02), including all supporting documents and payments as described in the Application; (2) a signed and completed *Interconnection Agreement for Net Energy Metering (NEM2) and Renewable Generating Facility Sized Greater than 1,000 kW* (Form 79-1198-02); and (3) a copy of the Customer-Generator's final inspection clearance from the governmental authority having jurisdiction over the Generating Facility. Such approval shall not be unreasonably withheld. PG&E shall have the right to have representatives present at the Commissioning Test as defined in Rule 21. Customer-Generator shall notify PG&E at least five (5) business days prior to the initial testing.

6.4 In order to promote the safety and reliability of the customer Generating Facility, the Customer-Generator certifies that as a part of this interconnection request for NEM2, that all major solar system components are on the verified equipment list maintained by the California Energy Commission and certifies that other equipment, as determined by PG&E, has safety certification from a nationally recognized testing laboratory.

6.5 Customer-Generator certifies as a part of this interconnection request for NEM2 that

(i) a warranty of at least 10 years has been provided on all equipment and on its installation, or

(ii) a 10-year service warranty or executed "agreement" has been provided ensuring proper maintenance and continued system performance.

6.6 Customers on this tariff must pay for the interconnection of their Generation Facilities as provided in Electric Rule 21, pursuant to Decision 16-01-044.

7. LIMITATION OF LIABILITY

Each Party's liability to the other Party for any loss, cost, claim, injury, liability, or expense, including reasonable attorney's fees, relating to or arising from any act or omission in its performance of this agreement, shall be limited to the amount of direct damage actually incurred. In no event shall either Party be liable to the other Party for any indirect, special, consequential, or punitive damages of any kind whatsoever.

8. INSURANCE

Customer-Generator Facility is required to comply with standards and rules set forth in Section 6 and provide the following for insurance policies in place.

Customer-Generator shall furnish the required certificates and all endorsements to PG&E prior to Parallel Operation.

The certificate shall provide thirty (30) calendar days' written notice to PG&E prior to cancellation, termination, alteration, or material change of such insurance.

PG&E shall have the right to inspect or obtain a copy of the original policy or policies of insurance.

8.1 If at any time during this agreement the Customer-Generator fails to meet the requirements in Section 6 and is not self-insured under Section 8.3, the following insurance shall apply:

Customer-Generator shall procure and maintain a commercial general liability insurance policy at least as broad as the Insurance Services Office (ISO) commercial general liability coverage "occurrence" form; or, if Customer-Generator is an individual, then liability coverage with respect to premises and use at least as broad as the ISO homeowners' or personal liability Insurance occurrence policy form, or substitute, providing equivalent coverage no less than the following limits, based on generator size:

(a) Two million dollars ($2,000,000) for each occurrence if the Gross Nameplate Rating of the Generating Facility is greater than one hundred (100) kW; or

(b) One million dollars ($1,000,000) for each occurrence if the Gross Nameplate Rating of the Generating Facility is greater than twenty (20) kW and less than or equal to one hundred (100) kW; or

(c) Five hundred thousand dollars ($500,000) for each occurrence if the Gross Nameplate Rating of the Generating Facility is twenty (20) kW or less;

(d) Two hundred thousand dollars ($200,000) for each occurrence if the Gross Nameplate Rating of the Generating Facility is ten (10) kW or less and the Generating Facility is connected to an account receiving residential service from PG&E.

The insurance shall, by endorsement:

(a) Add PG&E as an additional insured;

(b) State that coverage provided is primary and is not in excess to or contributing with any insurance or self-insurance maintained by PG&E.

(c) Contain a severability of interest clause or cross-liability clause.

8.2 If Customer-Generator's Generating Facility is connected to an account receiving residential service from PG&E and the requirement of Section 8.1 prevents Customer-Generator from obtaining the insurance required in this Section, then upon Customer-Generator's written Notice to PG&E in accordance with Section 10.1, the requirements of Section 8.1 may be waived.

8.3 Customer-Generator may self-insure with approval from PG&E. Evidence of an acceptable plan to self-insure, at least thirty (30) calendar days' prior to operations shall be submitted. Customer-Generators such as state agencies that self-insure under this section are exempt from Section 9.1.

If Customer-Generator ceases to self-insure to the level required hereunder, or if Customer-Generator is unable to provide continuing evidence of Customer-Generator's ability to self-insure, Customer-Generator agrees to immediately obtain the coverage required under agreement.

8.4 All required certificates, endorsements or letters of self-insurance shall be issued and submitted via email or fax to the following:

Pacific Gas and Electric Company
c/o EXIGIS LLC
support@exigis.com
Fax: 646-755-3327

9. INDEMNITY FOR FAILURE TO COMPLY WITH INSURANCE PROVISIONS

9.1 If Customer-Generator fails to comply with the insurance provisions of this Agreement, Customer-Generator shall, at its own cost, defend, save harmless and indemnify PG&E, its directors, officers, employees, agents, assignees, and successors in interest from and against any and all loss, liability, damage, claim, cost, charge, demand, or expense of any kind or nature (including attorney's fees and other costs of litigation) resulting from the death or injury to any person or damage to any property, including the personnel and property of the utility, to the extent that the utility would have been protected had Customer-Generator complied with all such insurance provisions. The inclusion of this Section 9.1 is not intended to create any expressed or implied right in Customer-Generator to elect not to provide any such required insurance.

9.2 The provisions of this Section 9 shall not be construed to relieve any insurer of its obligations to pay any insurance claims in accordance with the provisions of any valid insurance policy.

10. NOTICES

10.1 Any written notice, demand, or request required or authorized in connection with this Agreement (Notice) shall be deemed properly given if delivered in person or sent by first class mail, postage prepaid, to the person specified below:

If to PG&E: Pacific Gas and Electric Company
Attention: Electric Generation Interconnection - Contract Management
245 Market Street
Mail Code N7L
San Francisco, California 94105-1702

If to Customer-Generator:

Customer-Generator Name: _____

Address: _____

City: _____

Phone: (_____) _____

FAX: (_____) _____

10.2 A Party may change its address for Notices at any time by providing the other Party notice of the change in accordance with Section 10.1.

10.3 The Parties may also designate operating representatives to conduct the daily communications, which may be necessary or convenient for the administration of this Agreement. Such designations, including names, addresses, and phone numbers may be communicated or revised by one Party's Notice to the other.

11. REVIEW OF RECORDS AND DATA

11.1 PG&E shall have the right to review and obtain copies of Customer-Generator's operations and maintenance records, logs, or other information such as Generating Facility availability, maintenance outages, circuit breaker operation requiring manual

reset, relay targets and unusual events pertaining to Customer-Generator's Generating Facility or its interconnection to PG&E.

11.2 Customer-Generator authorizes to release to the California Energy Commission (CEC) information regarding Customer-Generator's facility, including customer name and Generating Facility location, size, and operational characteristics, as requested from time to time pursuant to the CEC's rules and regulations.

12. ASSIGNMENT

Customer-Generator shall not voluntarily assign its rights nor delegate its duties under this Agreement without PG&E's written consent. Any assignment or delegation Customer-Generator makes without PG&E's written consent shall not be valid. PG&E shall not unreasonably withhold its consent to Customer-Generator's assignment of this Agreement.

13. NON-WAIVER

None of the provisions of this Agreement shall be considered waived by a Party unless such waiver is given in writing. The failure of a Party to insist in any one or more instances upon strict performance of any of the provisions of this Agreement or to take advantage of any of its rights hereunder shall not be construed as a waiver of any such provisions or the relinquishment of any such rights for the future, but the same shall continue and remain in full force and effect.

14. GOVERNING LAW, JURISDICTION OF COMMISSION, INCLUSION OF PG&E's TARIFF SCHEDULES AND RULES

14.1 This Agreement shall be interpreted, governed, and construed under the laws of the State of California as if executed and to be performed wholly within the State of California without giving effect to choice of law provisions that might apply to the law of a different jurisdiction.

14.2 This Agreement shall, at all times, be subject to such changes or modifications by the Commission as it may from time to time direct in the exercise of its jurisdiction.

14.3 The interconnection and services provided under this Agreement shall at all times be subject to the terms and conditions set forth in the Tariff Schedules and Rules applicable to the electric service provided by PG&E, which Tariff Schedules and Rules are hereby incorporated into this Agreement by this reference.

14.4 Notwithstanding any other provisions of this Agreement, PG&E shall have the right to unilaterally file with the Commission, pursuant to the Commission's rules and regulations, an application for change in rates, charges, classification, service, tariff or rule or any agreement relating thereto.

15. AMENDMENT AND MODIFICATION

This Agreement can only be amended or modified by a writing signed by both Parties.

16. ENTIRE AGREEMENT

This Agreement, including any incorporated Tariff Schedules and Rules, contains the entire Agreement and understanding between the Parties, their agents, and employees as to the subject matter of this Agreement. Each party also represents that in entering into this Agreement,

it has not relied on any promise, inducement, representation, warranty, agreement or other statement not set forth in this Agreement or in the incorporated Tariff Schedules and Rules.

17. SIGNATURES

IN WITNESS WHEREOF, the Parties hereto have caused this Agreement to be executed by their duly authorized representatives. This Agreement is effective as of the last date set forth below.

	PACIFIC GAS AND ELECTRIC COMPANY
(Customer Generator's Name)	
(Signature)	*(Signature)*
(Print Name)	*(Print Name)*
(Title)	*(Title)*
(Date)	*(Date)*

ATTACHMENT A

Additional Terms and Conditions for Projects Requiring Interconnection Facilities and/or Upgrades to PG&E's Distribution and/or Transmission System

Section 1. Cost Responsibility for Interconnection Facilities and Distribution Upgrades

1.1. Interconnection Facilities

1.1.1. The Interconnection Customer shall pay for the cost of the Interconnection Facilities itemized in Attachment B of this Agreement. The Distribution Provider shall provide a best estimate cost, including overheads, for the purchase and construction of its Interconnection Facilities and provide a detailed itemization of such costs. Costs associated with Interconnection Facilities may be shared with other entities that may benefit from such facilities by agreement of the Interconnection Customer, such other entities, and the Distribution Provider.

1.1.2. The Interconnection Customer shall be responsible for its share of all reasonable expenses, including overheads, associated with (1) owning, operating, maintaining, repairing, and replacing its own Interconnection Facilities, and (2) operating, maintaining, repairing, and replacing the Distribution Provider's Interconnection Facilities.

1.2. Distribution Upgrades

The Distribution Provider shall design, procure, construct, install, and own the Distribution Upgrades described in Attachment B of this Agreement. If the Distribution Provider and the Interconnection Customer agree, the Interconnection Customer may construct Distribution Upgrades that are located on land owned by the Interconnection Customer. The actual cost of the Distribution Upgrades, including overheads, shall be directly assigned to the Interconnection Customer.

Section 2. Cost Responsibility for Network Upgrades

2.1. Applicability

No portion of this Section 5 shall apply unless the interconnection of the Generating Facility requires Network Upgrades.

2.2. Network Upgrades

The Distribution Provider or the Distribution Owner shall design, procure, construct, install, and own the Network Upgrades described in Attachment B of this Agreement. If the Distribution Provider and the Interconnection Customer agree, the Interconnection Customer may construct Network Upgrades that are located on land owned by the Interconnection Customer. Unless the Distribution Provider elects to pay for Network Upgrades, the actual cost of the Network Upgrades, including overheads, shall be borne by the Interconnection Customer unless Section 2.2.1 directs otherwise.

2.2.1. Repayment of Amounts Advanced for Network Upgrades

To the extent that the CAISO Tariff provides for cash repayment to interconnection customers for contribution to the cost of Network Upgrades, the Interconnection Customer shall be entitled to a cash repayment, equal to the total amount paid to the Distribution Provider and Affected System operator, if any, for Network Upgrades, including any tax gross-up or other tax-related payments associated with the Network Upgrades, and not otherwise refunded to the Interconnection Customer, to be paid to the Interconnection Customer on a dollar-for-dollar basis for the non-usage sensitive portion of transmission charges, as payments are made under the Distribution Provider's Tariff and Affected System's Tariff for transmission services with respect to the Generating Facility. Any repayment shall include interest calculated in accordance with the methodology set forth in FERC's regulations at 18 C.F.R. §35.19a(a)(2)(iii) from the date of any payment for Network Upgrades through the date on which the Interconnection Customer receives a repayment of such payment pursuant to this subparagraph. The Interconnection Customer may assign such repayment rights to any person. To the extent that the CAISO Tariff does not provide for cash repayment to interconnection customers for contribution to the cost of Network Upgrades, Interconnection Customer is not entitled to a cash repayment for amounts paid to the Distribution Provider and Affected System operator for Network Upgrades, and no cash repayment shall be made pursuant to this Agreement.

2.2.1.1. If the Interconnection Customer is entitled to a cash repayment

pursuant to Section 2.2.1, the Interconnection Customer, the Distribution Provider, and any applicable Affected System operators may adopt any alternative payment schedule that is mutually agreeable so long as the Distribution Provider and said Affected System operators take one of the following actions no later than five years from the Commercial Operation Date: (1) return to the Interconnection Customer any amounts advanced for Network Upgrades not previously repaid, or (2) declare in writing that the Distribution Provider or any applicable Affected System operators will continue to provide payments to the Interconnection Customer on a dollar-for-dollar basis for the non-usage sensitive portion of transmission charges, or develop an alternative schedule that is mutually agreeable and provides for the return of all amounts advanced for Network Upgrades not previously repaid; however, full reimbursement shall not extend beyond twenty (20) years from the commercial operation date.

2.2.1.2. If the Generating Facility fails to achieve commercial operation, but it

or another generating facility is later constructed and requires use of the Network Upgrades, the Distribution Provider and Affected System operator shall at that time reimburse the Interconnection Customer for the amounts advanced for the Network Upgrades if the Interconnection Customer is entitled to a cash repayment pursuant to Section 2.2.1. Before any such reimbursement can occur, the Interconnection Customer, or the entity that ultimately constructs the generating facility, if different, is responsible for identifying the entity to which reimbursement must be made.

2.3. Rights Under Other Agreements

Notwithstanding any other provision of this Agreement, nothing herein shall be construed as relinquishing or foreclosing any rights, including but not limited to firm transmission rights, capacity rights, transmission congestion rights, or transmission credits, that the Interconnection Customer shall be entitled to, now or in the future, under any other agreement or tariff as a result of, or otherwise associated with, the transmission capacity, if any, created by the Network Upgrades, including the right to obtain cash reimbursements or transmission credits for transmission service that is not associated with the Generating Facility.

Section 3. Billing, Payment, Milestones, and Financial Security

3.1. Billing and Payment Procedures and Final Accounting

3.1.1. The Distribution Provider shall bill the Interconnection Customer for the design, engineering, construction, and procurement costs, including any applicable taxes, of Interconnection Facilities and Upgrades contemplated by this Agreement on a monthly basis, or as otherwise agreed by the Parties. The Interconnection Customer shall pay each bill within 30 calendar days of receipt, or as otherwise agreed to by the Parties.

3.1.2. Within three months of completing the construction and installation of the Distribution Provider's Interconnection Facilities and/or Upgrades described in the Attachments to this Agreement, the Distribution Provider shall provide the Interconnection Customer with a final accounting report of any difference between (1) the Interconnection Customer's cost responsibility for the actual cost of such facilities or Upgrades, and (2) the Interconnection Customer's previous aggregate payments to the Distribution Provider for such facilities or Upgrades. If the Interconnection Customer's cost responsibility exceeds its previous aggregate payments, the Distribution Provider shall invoice the Interconnection Customer for the amount due and the Interconnection Customer shall make payment to the Distribution Provider within 30 calendar days. If the Interconnection Customer's previous aggregate payments exceed its cost responsibility under this Agreement, the Distribution Provider shall refund to the Interconnection Customer an amount equal to the difference within 30 calendar days of the final accounting report.

3.2. Expected Date of Initial Operation

Interconnection Customer may request Distribution Provider to construct, and Distribution Provider shall construct, using Reasonable Efforts to accommodate Interconnection Customer's Expected Date of Initial Operation If a Party anticipates that it will be unable to meet a milestone for any reason other than a Uncontrollable Force Event, it shall immediately notify the other Party of the reason(s) for not meeting the milestone and propose the earliest reasonable alternate date by which it can attain this and future milestones. .

3.3. Financial Security Arrangements

For projects studied under the Fast Track Interconnection Review Process, no more than 120 Calendar Days after the Effective Date of this agreement, the Interconnection Customer shall provide the Distribution Provider, at the Interconnection Customer's option, a guarantee, a surety bond, letter of credit or other form of security that is reasonably acceptable to the Distribution Provider and is consistent with the Uniform Commercial Code of the jurisdiction where the Point of Interconnection is located.

For projects studied under the Detailed Study Interconnection Review Process, The Interconnection Customer is obligated to provide all necessary Interconnection Financial Security required under Rule 21 Section F.4.

Regardless of Review Process, such security for payment shall be in an amount sufficient to cover the costs for constructing, designing, procuring, and installing the applicable portion of the Distribution Provider's Interconnection Facilities and Upgrades and shall be reduced on a dollar-for-dollar basis for payments made to the Distribution Provider under this Agreement during its term.

In addition:

3.3.1. The guarantee must be made by an entity that meets the creditworthiness requirements of the Distribution Provider, and contain terms and conditions that guarantee payment of any amount that may be due from the Interconnection Customer, up to an agreed-to maximum amount.

3.3.2. The letter of credit or surety bond must be issued by a financial institution or insurer reasonably acceptable to the Distribution Provider and must specify a reasonable expiration date.

Section 4. Taxes

4.1. Applicable Tax Laws and Regulation

The Parties agree to follow all applicable tax laws and regulations, consistent with CPUC policy and Internal Revenue Service requirements.

4.1.1 In the application of IRS Notice 2016-36, any Income Tax Component of Contribution (ITCC) for Interconnection Facilities, Distribution Upgrades and Network Upgrades (based on the enclosed estimates) will be billed to the Interconnection Customer and collected by the Distribution Provider as per Section 3.1.1. The Distribution Provider shall true-up the final ITCC charges based on actual final costs and will either refund any excess ITCC collected by the Distribution Provider or bill the Interconnection Customer the additional ITCC charges that are required.

4.2. Maintenance of Tax Status

Each Party shall cooperate with the other to maintain the other Party's tax status. Nothing in this Agreement is intended to adversely affect the Distribution Provider's tax exempt status with respect to the issuance of bonds including, but not limited to, local furnishing bonds.

Section 5. Environmental Releases

Each Party shall notify the other Party, first orally and then in writing, of the release of any hazardous substances, any asbestos or lead abatement activities, or any type of remediation activities related to the Generating Facility or the Interconnection Facilities, each of which may reasonably be expected to affect the other Party. The notifying Party shall (1) provide the notice as soon as practicable, provided such Party makes a good faith effort to provide the notice no later than 24 hours after such Party becomes aware of the occurrence, and (2) promptly furnish to the other Party copies of any publicly available reports filed with any governmental authorities addressing such events.

Section 6. Subcontractors

Nothing in this Agreement shall prevent a Party from utilizing the services of any subcontractor as it deems appropriate to perform its obligations under this Agreement; provided, however, that each Party shall require its subcontractors to comply with all applicable terms and conditions of this Agreement in providing such services and each Party shall remain primarily liable to the other Party for the performance of such subcontractor.

6.1 The creation of any subcontract relationship shall not relieve the hiring Party of any of its obligations under this Agreement. The hiring Party shall be fully responsible to the other Party for the acts or omissions of any subcontractor the hiring Party hires as if no subcontract had been made; provided, however, that in no event shall the Distribution Provider be liable for the actions or inactions of the Interconnection Customer or its subcontractors with respect to obligations of the Interconnection Customer under this Agreement. Any applicable obligation imposed by this Agreement upon the hiring Party shall be equally binding upon, and shall be construed as having application to, any subcontractor of such Party.

6.2 The obligations under this article will not be limited in any way by any limitation of subcontractor's insurance.

ATTACHMENT B

Final Study Report Including Description and Costs of the Generating Facility, Interconnection Facilities, Metering Equipment, Distribution and/or Network Upgrades and Cost Responsibility

Final study report includes equipment, including the Generating Facility, Interconnection Facilities, and metering equipment itemized and identified as being owned by the Interconnection Customer, the Distribution Provider, or the Distribution Owner. The Distribution Provider will provide a best estimate itemized cost, including overheads, of its Interconnection Facilities and metering equipment, and a best estimate itemized cost of the annual operation and maintenance expenses associated with its Interconnection Facilities and metering equipment. Additionally, NEM program specific information relating to the Interconnection Customer's Generating Facility and any associated arrangements (i.e. NEM2, NEM2A, NEM2MT, NEM2V, NEM2VMSH (1 SDP), and NEMVMSH (DEV)) will be set forth in this attachment.

Final study report includes description of Upgrades and provides an itemized best estimate of the cost, including overheads, of the Upgrades and annual operation and maintenance expenses associated with such Upgrades. The Distribution Provider shall functionalize Upgrade costs and annual expenses as either transmission or distribution related.

ATTACHMENT C

Expected Date of Initial Operation

Expected Date of Initial Operation: _____

For the Interconnection Customer _____ Date _____

ATTACHMENT D

NEM2V or NEM2VMSH Storage (when applicable)

Applicants adding storage pursuant to Schedules NEM2V or NEM2VMSH under the Special Condition for storage must include proper documentation per PG&E's Distribution Interconnection Handbook (DIH).

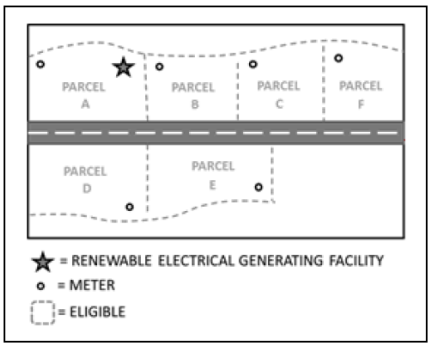
ATTACHMENT E

NEM Load Aggregation Customer-Generator Declaration Warranting NEM2 Aggregation Is Located on Same or Adjacent or Contiguous Property to Generator Parcel (when applicable)

In accordance with Schedule NEM2, I, Customer-Generator represent and warrant under penalty of perjury that:

1. The total annual output in kWh of the generator is less than or equal to 100% of the annual aggregated electrical load in kWh of the meters associated with the generator account, including the load on the generating account itself (before being offset by the generator); and
2. Each of the aggregated account meters associated with this NEM2 generator account are located either:
   a. on the property where the renewable electrical generation facility is located, or
   b. are located within an unbroken chain of contiguous parcels that are all solely owned, leased or rented by the customer-generator. For purposes of Load Aggregation, parcels that are divided by a street, highway, or public thoroughfare are considered contiguous, provided they are within an unbroken chain of otherwise contiguous parcels that are all solely owned leased or rented by the customer-generator.

   For example, assume there are five parcels (A, B, C, D, E, and F) that form a cluster of contiguous parcels and D and E are separated from A, B, C and F by a street, highway, or public thoroughfare. For the purposes of participating in Load Aggregation, all five parcels are considered contiguous, provided they are otherwise contiguous and all are solely owned, leased or rented by the customer-generator. Refer to the diagram at left (for illustrative purposes only.)



3. PG&E reserves the right to request a parcel map to confirm the property meets the requirements of item 2 above; and
4. Customer-Generator agrees to notify PG&E if there is any change of status that makes any of the participating meters ineligible for meter aggregation to ensure that only eligible meters are participating; PG&E will require an updated Attachment and Declaration form; and
5. Upon request by PG&E, I agree to provide documentation that all aggregated meters meet the requirements of Rate Schedule NEM2 Special Condition 6 including but not limited to parcel maps and ownership records.

Customer Generator's Name	*Signature*
Date	*Type/Print Name*
	Title

ATTACHMENT F

Addendum for Net Energy Metering Multiple Tariff (when applicable)

This Addendum represents mutual agreement between PG&E and Customer to provide for an interim arrangement to accommodate interconnection under Interconnection Agreement for Net Energy Metering (NEM2) and Renewable Electrical Generating Facility Sized Greater Than 1,000 kW consistent with the multiple tariff treatment provided in PG&E Schedule NEM, Special Condition 4 (NEMMT). The Parties enter into this Addendum pursuant to Rule 21 Section H.1.f.

1. **MULTIPLE TARIFF GENERATING FACILITY DESCRIPTION**

1.1. In addition to the requirements of Electric Rule 21 and the GIA, Customer will abide by the requirements in the interconnection and operation of its Generating Facility described below.

1.2. The Gross Nameplate Rating of the Generating Facility is:

1.2.1. Eligible Generator(s):

Biomass	NEM1: NEM2:	_____kW _____kW	Digester gas	NEM1: NEM2:	_____kW _____kW
Solar thermal	NEM1: NEM2:	_____kW _____kW	Municipal solid waste	NEM1: NEM2:	_____kW _____kW
Photovoltaic	NEM1: NEM2:	_____kW _____kW	Landfill gas	NEM1: NEM2:	_____kW _____kW
Wind	NEM1: NEM2:	_____kW _____kW	Ocean wave	NEM1: NEM2:	_____kW _____kW
Geothermal	NEM1: NEM2:	_____kW _____kW	Ocean thermal	NEM1: NEM2:	_____kW _____kW
Fuel cell	NEM1: NEM2:	_____kW _____kW	Tidal current	NEM1: NEM2:	_____kW _____kW
Small hydroelectric generation	NEM1: NEM2:	_____kW _____kW	Storage/Batteries (NEM eligible only) _____amp hours _____ inverter kW	NEM1: NEM2:	_____kW _____kW

1.2.2. Non-Eligible Generator(s): _____ kW

1.2.3. Total Gross Nameplate Rating of the Generating Facility: _____ kW

1.3. The Net Nameplate Rating of the Generating Facility is:

1.3.1. Eligible Generator(s):

Biomass	NEM1: _____kW NEM2: _____kW		Digester gas	NEM1: _____kW NEM2: _____kW	
Solar thermal	NEM1: _____kW NEM2: _____kW		Municipal solid waste	NEM1: _____kW NEM2: _____kW	
Photovoltaic	NEM1: _____kW NEM2: _____kW		Landfill gas	NEM1: _____kW NEM2: _____kW	
Wind	NEM1: _____kW NEM2: _____kW		Ocean wave	NEM1: _____kW NEM2: _____kW	
Geothermal	NEM1: _____kW NEM2: _____kW		Ocean thermal	NEM1: _____kW NEM2: _____kW	
Fuel cell	NEM1: _____kW NEM2: _____kW		Tidal current	NEM1: _____kW NEM2: _____kW	
Small hydroelectric generation	NEM1: _____kW NEM2: _____kW		Storage/Batteries (NEM eligible only) _____amp hours _____ inverter kW	NEM1: _____kW NEM2: _____kW	

1.3.2. Non-Eligible Generator(s): _____kW

1.3.3. Total Net Nameplate Rating of the Generating Facility: _____ kW

1.4. The maximum level of power that may be exported by the Generating Facility to PG&E's Electric System is expected to be:

Biomass	NEM1: NEM2:	_____kW _____kW	Digester gas	NEM1: NEM2:	_____kW _____kW
Solar thermal	NEM1: NEM2:	_____kW _____kW	Municipal solid waste	NEM1: NEM2:	_____kW _____kW
Photovoltaic	NEM1: NEM2:	_____kW _____kW	Landfill gas	NEM1: NEM2:	_____kW _____kW
Wind	NEM1: NEM2:	_____kW _____kW	Ocean wave	NEM1: NEM2:	_____kW _____kW
Geothermal	NEM1: NEM2:	_____kW _____kW	Ocean thermal	NEM1: NEM2:	_____kW _____kW
Fuel cell	NEM1: NEM2:	_____kW _____kW	Tidal current	NEM1: NEM2:	_____kW _____kW
Small hydroelectric generation	NEM1: NEM2:	_____kW _____kW	Storage/Batteries (NEM eligible only) _____amp hours _____ inverter kW	NEM1: NEM2:	_____kW _____kW

1.4.1. Non-Eligible Generator(s): _____ kW

1.4.2. Total maximum level of power that may be exported by the Generating Facility:

_____ kW

ATTACHMENT G

Producer's Warranty that the Generating Facility is a "Cogeneration Facility" Pursuant to Section 216.6 of the California Public Utilities Code (when applicable)

For the purpose of securing the Competition Transition Charge exemption available under Section 372 of the PU Code, Producer hereby declares that the Generating Facility meets the requirements for Cogeneration as such term is used in Section 216.6 of the PU Code (Cogeneration Requirements).

Producer warrants that, beginning on the date of Initial Operation and continuing throughout the term of this Agreement, the Generating Facility shall continue to meet the Cogeneration Requirements. If Producer becomes aware that its Generating Facility has ceased to meet the Cogeneration Requirements, Producer shall promptly provide PG&E with Notice of such change pursuant to Section 9.1 of the Agreement. If at any time during the term of this Agreement PG&E determines in its reasonable discretion that Producer's Generating Facility may no longer meet the Cogeneration Requirements, PG&E may require Producer to provide evidence that the Generating Facility continues to meet the Cogeneration Requirements within 15 business days of PG&E's request for such evidence. Additionally, PG&E may periodically (typically, once per year) inspect Producer's Generating Facility and/or require documentation from Producer to monitor the Generating Facility's compliance with the Cogeneration Requirements. If PG&E determines in its reasonable judgment that Producer either failed to provide evidence in a timely manner or that it provided insufficient evidence that its Generating Facility continues to meet the Cogeneration Requirements, then the Cogeneration status of the Generating Facility shall be deemed ineffective until such time as Producer again demonstrates to PG&E's reasonable satisfaction that the Generating Facility meets the requirements for a Cogeneration facility (the Cogeneration Status Change).

PG&E shall revise its records and the administration of this Agreement to reflect the Cogeneration Status Change and provide Notice to Producer of the Cogeneration Status Change pursuant to Section 9.1 of this Agreement. Such Notice shall specify the effective date of the Cogeneration Status Change. This date shall be the first day of the calendar year for which PG&E determines in its reasonable discretion that the Generating Facility first ceased to meet the Cogeneration Requirements. PG&E shall invoice the Producer's electric service account through which the Generating Facility is Interconnected with PG&E's Electric System for Competition Transition Charges (CTCs) that were not previously billed during the period between the effective date of the Status Change and the date of the Notice in reliance upon Producer's representations that the Generating Facility complied with the Cogeneration Requirements and therefore was eligible for the exemption from CTCs available under Section 372 of the PU Code.

Any amounts to be paid or refunded by Producer, as may be invoiced by PG&E pursuant to the terms of this warranty, shall be paid to PG&E within 30 days of Producer's receipt of such invoice.

ATTACHMENT H

Producer's Warranty that the Generating Facility is an Eligible Biogas Electrical Generating Facility Pursuant to Section 2827.9 of the California Public Utilities Code (when applicable)

Producer has declared that the Generating Facility meets the requirements for an Eligible Biogas Electrical Generating Facility, as defined in Section 2827.9 of the California Public Utilities Code (Eligibility Requirements).

Producer warrants that, beginning on the date of Initial Operation and continuing throughout the term of this Agreement, its Generating Facility shall continue to meet the Eligibility Requirements. If Producer becomes aware that the Generating Facility has ceased to meet the Eligibility Requirements, Producer shall promptly provide PG&E with Notice of such change pursuant to Section 9.1 of the Agreement. If at any time during the term of this Agreement PG&E determines in its reasonable discretion that Producer's Generating Facility may no longer meet the Eligibility Requirements, PG&E may require Producer to provide evidence that the Generating Facility continues to meet the Eligibility Requirements within 15 business days of PG&E's request for such evidence. Additionally, PG&E may periodically (typically, once per year) inspect Producer's Generating Facility and/or require documentation from Producer to monitor the Generating Facility's compliance with the Eligibility Requirements. If PG&E determines in its reasonable judgment that Producer either failed to provide evidence in a timely manner or that it provided insufficient evidence that its Generating Facility continues to meet the Eligibility Requirements, then the Distributed Energy Resources Generation status of the Generating Facility shall be deemed ineffective until such time as Producer again demonstrates to PG&E's reasonable satisfaction that the Generating Facility meets the requirements for a Distributed Energy Resources Generation facility (the Eligibility Status Change).

PG&E shall revise its records and the administration of this Agreement to reflect the Eligibility Status Change and provide Notice to Producer of the Eligibility Status Change pursuant to Section 9.1 of this Agreement. Such Notice shall specify the effective date of the Eligibility Status Change. This date shall be the first day of the calendar year for which PG&E determines in its reasonable discretion that the Generating Facility first ceased to meet the Eligibility Requirements. PG&E shall invoice the Producer for any tariff charges that were not previously billed during the period between the effective date of the Eligibility Status Change and the date of the Notice in reliance upon Producer's representations that the Generating Facility complied with the Eligibility Requirements and therefore was eligible for the rate treatment available under the Net Energy Metering provisions of PG&E's Schedule NEM-BIO, Experimental Biogas Net Energy Metering.

Any amounts to be paid or refunded by Producer, as may be invoiced by PG&E pursuant to the terms of this warranty, shall be paid to PG&E within 30 days of Producer's receipt of such invoice.

ATTACHMENT I

Schedule NEM2 Customer-Generator Warranty that it Meets the Requirements for an Eligible Customer-Generator and is an Eligible Renewable Electrical Generation Facility Pursuant to Section 2827.1 of the California Public Utilities Code (when applicable)

(This Affidavit needs to be completed and submitted to PG&E by the Customer-Generator every time a new NEM2 interconnection agreement for a Renewable Electrical Generation Facility is executed or whenever there is a change in ownership of the Generating Facility).

Check Type of Renewable Electrical Generation Facility:

☐ biomass	☐ geothermal	☐ municipal solid waste
☐ solar thermal	☐ fuel cell	☐ landfill gas
☐ small hydroelectric generation	☐ ocean wave	☐ digester gas
☐ ocean thermal	☐ tidal current	☐ Storage/Batteries _____amp hours _____inverter kWh

NEM2 Customer-Generator (Customer) declares that:

(1) It meets the requirements to be an “Eligible Customer-Generator” and it’s Generating Facility.

(2) (a) meets the requirements of an “Renewable Electrical Generation Facility”, as defined in Section 2827(b)(5) of the California Public Utilities Code and
(b) satisfies the definitions of the renewable resource for the Renewable Electrical Generation Facility in the latest version of the California Energy Commission’s (CEC’s) Renewables Portfolio Standard (RPS) Eligibility Guidebook and the Overall Program Guidebook. [3] (Eligibility Requirements).

[3] The RPS Guidebooks can be found at: https://www.energy.ca.gov/programs-and-topics/programs/renewables-portfolio-standard

Included in these eligibility requirements (check as applicable) pursuant to Public Utilities Code section 2827(b)(5) and Public Resource Code Section 25741 paragraph 1(a):

☐ If the Renewable Electrical Generation Facility is a fuel cell, or otherwise uses renewable biogas or otherwise, Eligible Customer-Generator warrants that the fuel cell is powered solely with renewable fuel.

☐ If the Renewable Electrical Generation Facility is a Small hydroelectric generating facility, customer warrants that it will not cause an adverse impact on instream beneficial uses, nor cause a change in the volume or timing of streamflow).

If the Customer uses biogas or a renewable fuel as the fuel for their Renewable Electrical Generation Facility:

☐ Eligible Customer-Generator warrants that the Renewable Electrical Generation Facility is powered solely with renewable fuel.

Eligible Customer-Generator warrants that, beginning on the date of Initial Operation and continuing throughout the term of this Agreement, Eligible Customer-Generator and the Generating Facility shall continue to meet the Eligibility Requirements. If Eligible Customer-Generator or the Generating Facility ceases to meet the Eligibility Requirements, Eligible Customer-Generator shall promptly provide PG&E with Notice of such change pursuant to Section 11 of this Agreement. If at any time during the term of this Agreement PG&E determines, at its reasonable discretion, that Eligible Customer-Generator or Generating Facility may no longer meet the Eligibility Requirements, PG&E may require Eligible Customer-Generator to provide evidence, that Eligible Customer-Generator and/or Generating Facility continues to meet the Eligibility Requirements, within 20 business days of PG&E's request for such evidence. Additionally, PG&E may periodically (typically, once per year) inspect Producer's Generating Facility and/or require documentation from Eligible Customer-Generator to monitor the Generating Facility's compliance with the Eligibility Requirements – PG&E will provide a minimum of 10 business days notice to the Eligible Customer-Generator should PG&E decide an inspection is required. If PG&E determines in its reasonable judgment that Eligible Customer-Generator either failed to provide evidence in a timely manner or that it provided insufficient evidence that its Generating Facility continues to meet the Eligibility Requirements, then the Eligibility Status shall be deemed ineffective until such time as Eligible Customer-Generator again demonstrates to PG&E's reasonable satisfaction that Eligible Customer-Generator meets the requirements for an Eligible Customer–Generator and/or the Generating Facility meets the requirements for a Eligible electrical generating facility (the Eligibility Status Change).

PG&E shall revise its records and the administration of this Agreement to reflect the Eligibility Status Change and provide Notice to Eligible Customer-Generator of the Eligibility Status Change pursuant to Section 11 of this Agreement. Such Notice shall specify the effective date of the Eligibility Status Change. This date shall be the first day of the calendar year for which PG&E determines in its reasonable discretion that the Eligible Customer-Generator and/or Generating Facility first ceased to meet the Eligibility Requirements. PG&E shall invoice the Eligible Customer-Generator for any tariff charges that were not previously billed during the period between the effective date of the Eligibility Status Change and the date of the Notice in reliance upon Eligible Customer-Generator's representations that Eligible Customer-Generator and/or Generating Facility complied with the Eligibility Requirements and therefore was eligible for the rate treatment available under the Net Energy Metering provisions of PG&E's Schedule NEM2 Net Energy Metering Service for Eligible Customer-Generators.

Any amounts to be paid or refunded by Eligible Customer-Generator, as may be invoiced by PG&E pursuant to the terms of this warranty, shall be paid to PG&E within 30 days of Eligible Customer-Generator's receipt of such invoice.

Unless otherwise ordered by the CPUC, this Agreement at all times shall be subject to such modifications as the CPUC may direct from time to time in the exercise of its jurisdiction.

I certify the above is true and correct,

Customer-Generator Signature: _____

Name: _____

Title: _____

Date: _____

ATTACHMENT J

Operating Requirements for Energy Storage Device(s) (when applicable)

The following Operating Requirement(s) apply to the charging functions of the Generating Facility:

☐ Producer's storage device(s) will not consume power from Distribution Provider's Distribution System at any time.

☐ Producer's storage device(s) will not cause the Host Load to exceed its normal peak demand. Normal peak demand is defined as the highest amount of power required from the Distribution System by Producer's complete facilities without the influence or use of the energy storage device(s).

☐ To avoid upgrades or other technical mitigation items identified in the interconnection process, Producer has chosen the following Generating Facility operating constraint(s):

For the annual period between _____ [Month/Day] and _____ [Month/Day]

And during the hours of _____

The storage device(s) will consume no more than a total of ___ kW from the Distribution System.

This operating constraint voids the need for the following specific mitigation scope:

No other charging function limitation is required for this Generating Facility except the requirements above. Producer will be responsible for the costs of the corresponding upgrades or other technical mitigations if at any time the Producer elects to forego or violates the operating requirement.

Consistent with current load service Rules, Distribution Provider is not required to reserve capacity for load. Producer is responsible to contact the utility for any modification to its equipment or change in operations that may result in increased load demand per Electric Rule 3.C.

If any operating requirement is specified above, Distribution Provider reserves the right to ask for data at the 15-minute interval level at any time to verify that the operating requirement is being met. Distribution Provider will make such request via a written notice no more than once per calendar quarter. Producer must provide such data within 30 Calendar Days of the written request.

If the Generating Facility fails to adhere to the operating requirements at any time, it will be disconnected immediately in accordance with Rule 21 Section D.9 and not reconnected until an approved mitigation (e.g., supervising controls) is in place as determined by Distribution Provider.

ATTACHMENT K

NEMFC Customer Agreement Starting January 1, 2017 Until California Air Resources Board Emission Standard is Established (when applicable)

Starting January 1, 2017, Customer applying for Schedule NEMFC, as revised pursuant to Assembly Bill 1637 (2016), agree as follows:

That their Eligible Fuel Cell Electrical Generating Facility must meet the reduction in greenhouse gas emissions standard to be established as required by the California Public Utilities (PU) Code Section 2827.10.

Since the applicable standards are not yet released by the California Air Resources Board (ARB) and/or approved as may be needed by the California Public Utilities Commission (CPUC), Customer agrees and understands that their approval for participation in NEMFC is contingent on their system meeting the new standard within three months of when the new standard becomes available. Specifically, I, Customer, understand and agree that if my fuel cell generator does not meet the ARB emission standard I will not be eligible for NEMFC.

Specifically, I will be responsible for the following:

1. Payment of all interconnection costs, including fees, studies, system upgrades, and any other pertinent interconnection costs.
2. Payment of the following nonbypassable charges on all departed load served by the fuel cell installed at my premises including but not limited to,
   a. Public Purpose Program Charges;
   b. Nuclear Decommissioning;
   c. Department of Water Resources Bond Charges; and
   d. Competition Transition Charge;
   e. Other charges that the CPUC determines are to be charged on departed load and for which there is no exception for fuel cells pursuant to Schedule E-DCG.
3. I understand that I may be required to take service on standby tariff pursuant to Schedule S and pursuant to PU Code Section 2827.10(f)(2)(A).
4. I further understand that I will not be eligible for Rate Schedule NEMFC and will no longer receive any credit for any exports to the grid.

_____
(Company Name)

_____ _____
(Signature) *(Title)*

_____ _____
(Print Name) *(Date)*

Electric Sample Form No. 79-280 Sheet 1

Agreement for Installation or Allocation of Special Facilities for Parallel Operation of Nonutility-Owned Generation and/or
Electrical Standby Service (Electric Rules 2 and 21)

Please Refer to Attached Sample Form

Pacific Gas and Electric Company

DISTRIBUTION
- ☐ Applicant
- ☐ Division,
- ☐ Const. Accounting
- ☐ Accounting Ops
- ☐ Tariff Interpretation

REFERENCES
QF Log #:_____
GM/WO #:_____
Premises #:_____

AGREEMENT FOR INSTALLATION OR ALLOCATION OF SPECIAL FACILITIES FOR PARALLEL OPERATION OF NONUTILITY-OWNED GENERATION AND/OR ELECTRICAL STANDBY SERVICE (ELECTRIC RULES 2 AND 21)

At the request of _____, (Applicant), **PACIFIC GAS AND ELECTRIC COMPANY (PG&E)** hereby agrees to furnish at Applicant's expense within a reasonable time certain facilities consisting of _____ (Special Facilities). Such Special Facilities are expected to be necessary on or about _____ for the interconnection of Applicant's electric generating plant with PG&E's system and/or PG&E's delivery of electrical standby service to Applicant's premises at _____, County of _____, State of California.

1. This Agreement includes Appendix A, Detail of Special Facilities Charges, which is attached and incorporated herein by reference. Appendix A may be revised or superseded by mutual written agreement and without formal amendment of the remainder of this agreement.

2. Applicant shall pay PG&E, on demand prior to commencement of any work by PG&E, an initial charge equal to the sum of the amounts which are specified in Appendix A.

3. Applicant also shall pay PG&E any applicable monthly rates and charges for service under PG&E's tariff schedules plus an ownership charge, either (a) or (b) below as specified in Appendix A, namely:

   (a) COST-OF-OWNERSHIP CHARGE representing PG&E's continuing monthly cost of financing (if applicable), owning and maintaining Special Facilities; or

   (b) An EQUIVALENT ONE-TIME CHARGE which is equal to the present worth of the monthly COST-OF-OWNERSHIP CHARGE in perpetuity. The COST-OF-OWNERSHIP CHARGE shall commence on the date Special Facilities are first available for Applicant's use, as such date is established in PG&E's records. PG&E will notify Applicant, in writing, of such commencement date. The EQUIVALENT ONE-TIME CHARGE (if applicable) shall be payable by Applicant to PG&E on demand.

4. The ownership charge set forth in paragraphs 3(a) or 3(b) herein is determined in accordance with the applicable percentage rates established in the Special Facilities section of PG&E's electric Rule 2, copy attached. Should the California Public Utilities Commission (Commission) subsequently authorize higher or lower percentage rates, the monthly COST-OF-OWNERSHIP CHARGE shall automatically increase or decrease without formal amendment to Appendix A as of the effective date of the Commission's authorization.

5. Where it is necessary to install Special Facilities on Applicant's premises, Applicant hereby grants to PG&E:

   (a) the right to make such installation on Applicant's premises along the shortest practical route thereon with sufficient legal clearance from all structures now or hereafter erected on Applicant's premises; and

   (b) the right of ingress and egress from Applicant's premises at all reasonable hours for any purposes reasonably connected with the operation and maintenance of Special Facilities.

6. Where formal rights of way or easements are required on or over property of Applicant or the property of others for the installation of Special Facilities, Applicant agrees that PG&E shall obtain them at Applicant's expense, or if Applicant and PG&E agree otherwise, Applicant shall obtain any necessary permanent rights of way or easements, satisfactory to and without cost to PG&E.

7. PG&E shall not be responsible for any delay in completion of the installation of Special Facilities resulting from shortage of labor or materials, strike, labor disturbance, war, riot, weather conditions, governmental rule, regulation or order, including orders or judgments of any court or regulatory agency, delay in obtaining necessary rights of way and easements, acts of God, or any other cause or condition beyond the control of PG&E, nor shall PG&E be liable for incidental, indirect, special, punitive, or consequential damages for any such delay. PG&E shall have the right, if for one of the above reasons it is unable to obtain materials or labor for all of its construction requirements, to allocate materials and labor to construction projects which it deems, in its sole discretion, most important to serve the needs of its customers, and any delay in construction, hereunder resulting from such allocation shall be deemed to be a cause beyond PG&E's control. In any event, PG&E's total liability for any delay in the completion of the installation of Special Facilities shall not exceed the amount of Special Facilities Charges paid by Applicant.

8. In the event that PG&E is prevented from completing the installation of Special Facilities for reasons beyond its control after twelve (12) months following the date of this Agreement, PG&E shall have the right to supersede this Agreement subject to Applicant's election as provided below upon at least thirty (30) days' written notice to Applicant and adjust any amounts paid or required to be paid by Applicant hereunder that may be due based on that portion of the Special Facilities then completed, if any, utilizing the estimated costs developed by PG&E for this Agreement. Such a superseding agreement, if any, shall be in substantially the same form as this agreement, be executed by both parties hereto, and shall provide that costs be allocated to the portion of the Special Facilities then completed, if any, consistent with those costs estimated by PG&E for this agreement. If Applicant elects not to execute a superseding agreement, this agreement shall be terminated and the provisions of paragraph 11 herein shall be applied to that portion of Special Facilities then completed, if any. Applicant also shall reimburse PG&E for any expenses it may have incurred for engineering, surveying, right of way acquisition and other work associated with that portion of Special Facilities not installed

9. If it becomes necessary for PG&E to alter rearrange or make addition to Special Facilities in order to maintain parallel operation of Applicant's generation or electrical standby service to Applicant's premises, Applicant shall be notified, in writing, of such necessity and shall be given the option to either terminate this Agreement upon thirty (30) days' written notice to PG&E, or to pay to PG&E additional Special Facilities charges consisting of:

   (a) a facility termination charge for that portion of Special Facilities which is being removed because of alteration, rearrangement or addition to Special Facilities. Such charge to be determined in the same manner as described in paragraph 11 herein; plus,

   (b) an additional ADVANCE and/or REARRANGEMENT CHARGE, if any for any new Special Facilities which shall be applied in the same manner as prescribed in paragraph 2 herein; plus,

   (c) a revised monthly COST-OF-OWNERSHIP CHARGE or EQUIVALENT ONE-TIME CHARGE based on the estimated installed costs of all new and remaining Special Facilities. Such revised monthly COST-OF-OWNERSHIP CHARGE or EQUIVALENT ONE-TIME CHARGE shall be applies in the same manner as prescribed in paragraph 3 herein.

10. This Agreement shall become effective when executed by the parties hereto and, except as provided for in paragraphs 8 and 9 herein, shall remain in force until one of the following events occurs:

   (a) a power purchase, parallel operation, electrical standby service or other form of agreement no longer exists between Applicant and PG&E which would occasion the need for Special Facilities; or

   (b) the ownership of Special Facilities or any portion thereof is deeded to a public authority; or

   (c) Applicant fails to pay the monthly COST-OF-OWNERSHIP CHARGE prescribed in the Agreement, if applicable.

   Either party shall provide the other at least thirty (30) days' written notice of termination pursuant to this paragraph.

11. Upon termination of the Agreement for any reason:

   (a) Applicant shall pay to PG&E on written demand (in addition to all other monies to which PG&E may be legally entitled by virtue of such termination) a facility termination charge defined as the estimated installed cost, plus the estimated removal cost less the estimated salvage value for any Special Facilities which can be removed, all as determined by PG&E in accordance with its standard accounting practices. PG&E shall deduct from the facility termination charge the ADVANCE plus the unamortized balance of the EQUIVALENT ONE-TIME CHARGE previously paid, if any. If the ADVANCE paid plus the unamortized balance of the EQUIVALENT ONE-TIME CHARGE, if any, is greater than the facility termination charge, PG&E shall refund the difference, without interest to Applicant; and

   (b) PG&E shall be entitled to remove and shall have a reasonable time in which to remove any portion of the Special Facilities located on the Applicant's premises; and

   (c) PG&E may, at its option, alter, rearrange, convey or retain in place any portion of the Special Facilities located on other property off Applicant's premises. Where all or any portion of the Special Facilities located off Applicant's premises are retained in place in anticipation of providing permanent service to customers of PG&E, an equitable adjustment shall be made in the facility termination charge.

12. In the event any of the Special Facilities are used during the term of this Agreement to provide permanent service to customers of PG&E, an adjustment shall be made in accordance with PG&E's electric Rule 21, copy attached.

13. Special Facilities shall at all times be the property of PG&E.

14. As provided in PG&E's electric Rule 14, copy attached, PG&E does not guarantee electrical standby service to be free from outages, interruptions or curtailments and the charges for Special Facilities represent PG&E's cost associated with providing Special Facilities rather than for a guaranteed level of service or reliability.

15. Applicant may, with PG&E's written consent, assign this Agreement if the assignee thereof will agree in writing to perform Applicant's obligations hereunder. Such assignment will be deemed to include, unless otherwise specified therein, all of Applicant's rights to any refunds which might become due upon discontinuance of the use of any Special Facilities.

16. This Agreement shall be subject to all of PG&E's applicable tariffs on file with and authorized by the Commission, and shall at all times be subject to such changes or modifications as the Commission may direct from time to time in the exercise of its jurisdiction.

Dated this _____ day of _____, 20_____.

This agreement is effective when accepted and executed by PG&E.

	PACIFIC GAS AND ELECTRIC COMPANY
Customer/Company	
Authorized by (Print)	Authorized by (Print)
Signature	Signature
Title	Title
Date	Date

Mailing Address:

_____

_____

_____

_____

Attachments:

Electric Rule 2
Electric Rule 14
Electric Rule 21
Appendix A

Electric Sample Form No. 79-726 Sheet 1
Electric Standby Service Log Sheet Schedule S

Please Refer to Attached Sample Form

Pacific Gas and Electric Company®

REFERENCE: _____

ELECTRIC STANDBY SERVICE
LOG SHEET – SCHEDULE S OR SB

Date: _____

Customer: _____

Account ID: _____

Service Agreement ID: _____

Meter Reading Schedule: _____

Generator Location: _____

Name of person completing this form: _____

Telephone #: _____

Email Address: _____

The **Electric Standby Service Log Sheet**, when completed by the customer, is for PG&E's use in administering the adjustment of monthly maximum demand charges in accordance with the terms and conditions of your otherwise applicable rate schedule. To ensure that qualifying adjustments are applied to the next regular billing of electric service, ***this Electric Standby Service Log Sheet should be submitted no later than one (1) day following PG&E's meter reading date via:***

- ***Email:*** *CBStandbyLog@exchange.pge.com, OR*
- ***Fax:*** *(415) 973-5155, OR*
- ***Mail:*** Pacific Gas and Electric Company
  Attn: CB Standby Support
  P.O. Box 770000, Mail Code B12C
  San Francisco, CA 94177-0001

[To determine the date your meter will be read, find your serial "letter" on the detail pages of your bill and use PG&E's Meter Reading Schedule (https://www.pge.com/en_US/residential/save-energy-money/analyze-your-usage/your-usage/view-and-share-your-data-with-smartmeter/reading-the-smartmeter/meter-reading-schedule.page)].

Pacific Gas and Electric Company®

REFERENCE: _____

ELECTRIC STANDBY SERVICE
LOG SHEET – SCHEDULE S OR SB

Log Sheet

Date	Time (Use Military Time)		Standby Demand (KW)	Check One			Comments
	From	To		Scheduled Maintenance	Unscheduled Outage Due to PG&E	Unscheduled Outage Other Reasons	

**Adjustment of Regular Service Maximum Demand charges under the terms and conditions of your otherwise applicable rate schedule is not applicable to the portion of Standby contract capacity which qualifies for the Experimental Allowance for Unconventional Generation under Schedule S or Schedule SB)*

(Attach additional sheets, if necessary. Template for extra sheet is available upon request)

ELECTRIC PRELIMINARY STATEMENT PART CZ Sheet 4
DISTRIBUTION REVENUE ADJUSTMENT MECHANISM

CZ. DISTRIBUTION REVENUE ADJUSTMENT MECHANISM (DRAM) (Cont'd.)

5. ACCOUNTING PROCEDURES: (Cont'd.)

aa. A debit entry equal to the billed revenue for Schedule LS-1 decorative street light conversion to LED lights.

bb. A debit entry to record one-twelfth of the authorized annual revenue requirement, for the Transportation Electrification Balancing Account subaccounts associated with (1) the Charge Smart and Save Program, authorized in Decision (D.)16-12-065, (2) four Priority Review Projects and one evaluation expense subaccount, authorized in D.18-01-024, (3) the Direct Current Fast Charger (Fast Charge) Make-Ready Program, the Medium and Heavy-Duty Vehicle Charging (Fleet Ready) Program, and Program Evaluation expenditures approved in D.18-05-040, (4) the Empower Electric Vehicle Charger Incentive and Education Program, authorized in D.19-09-006, and (5) the EV Charge Parks and EV Charge Schools Pilot Programs, authorized in D.19-11-017. (D)

(D)

cc. An entry equal to interest on the average balance in the account at the beginning of the month and the balance after the above entries, at a rate equal to one-twelfth of the interest rate on three-month Commercial Paper for the previous month, as reported in the Federal Reserve Statistical Release, H.15 or its successor. (T)

dd. A debit entry equal to one-twelfth (or amortization period approved) of the electric distribution portion of the Catastrophic Event Memorandum Account (CEMA) interim rate relief for costs incurred in 2016 and 2017, as authorized by the CPUC in Decision 19-04-039 on April 25, 2019. (T)

ELECTRIC SCHEDULE A-1 Sheet 12
SMALL GENERAL SERVICE

PEAK DAY PRICING DETAILS (CONT'D):

c. Notification Equipment: At the customer's option and expense, it is recommended, but not required that a customer provide a phone number or an e-mail address to receive automated notification messages of a PDP event from PG&E.

If a PDP event occurs, customers will be notified using one or more of the above-mentioned systems. Receipt of such notice is the responsibility of the participating customer. PG&E will make reasonable efforts to notify customers, however it is the customer's responsibility to receive such notice and to check the PG&E website to see if a PDP event has been activated. It is also the customer's responsibility to maintain accurate notification contact information. PG&E does not guarantee the reliability of the phone, e-mail system, or Internet site by which the customer receives notification.

PG&E may conduct notification test events once a month to ensure a customer's contact information is up-to-date. These are not actual PDP events and no load reduction is required.

d. PG&E Website: The customer's actual energy usage is available at PG&E's "Your Account" website. This data may not match billing quality data, and the customer understands and agrees that the data posted to PG&E's "Your Account" website may be different from the actual bill. (T) (T)

e. Program Operations: A maximum of fifteen (15) PDP events and a minimum of nine (9) PDP events may be called in any calendar year. PG&E will notify customers by 2:00 p.m. on a day-ahead basis when a PDP event will occur the next day. The PDP program will operate year-round and PDP events may be called for any day of the week.

f. Event Cancellation: PG&E may initiate the cancellation of a PDP event before 4:00 p.m. the day-ahead of a noticed PDP event. If PG&E cancels an event, it will count the cancelled event toward the PDP limits.

(Continued)

ELECTRIC SCHEDULE A-10 Sheet 14
MEDIUM GENERAL DEMAND-METERED SERVICE

PEAK DAY PRICING DETAILS (continued)

c. Notification Equipment (Cont'd.)

If a PDP event occurs, customers will be notified using one or more of the above-mentioned systems. Receipt of such notice is the responsibility of the participating customer. PG&E will make reasonable efforts to notify customers, however it is the customer's responsibility to receive such notice and to check the PG&E website to see if a PDP event has been activated. It is also the customer's responsibility to maintain accurate notification contact information. PG&E does not guarantee the reliability of the phone, e-mail system, or Internet site by which the customer receives notification.

PG&E may conduct notification test events once a month to ensure a customer's contact information is up-to-date. These are not actual PDP events and no load reduction is required.

d. Demand Response Operations Website: Customers can go to www.pge.com/peakdaypricing to view the forecast and history of Peak Day Pricing event days. Customers may manage the means by which they are notified by PG&E for Peak Day Pricing events by contacting PG&E. (T)

The customer's actual energy usage is available on "Your Account". This data may not match billing quality data, and the customer understands and agrees that the data posted to PG&E's "Your Account" may be different from the actual bill. (T) (T)

e. Program Operations: A maximum of fifteen (15) PDP events and a minimum of nine (9) PDP events may be called in any calendar year. PG&E will notify customers by 2:00 p.m. on a day-ahead basis when a PDP event will occur the next day. The PDP program will operate year-round and PDP events may be called for any day of the week.

f. Event Cancellation: PG&E may initiate the cancellation of a PDP event before 4:00 p.m. the day-ahead of a noticed PDP event. If PG&E cancels an event, it will count the cancelled event toward the PDP limits.

g. Program Options: Customers may customize their PDP participation by choosing either a) no limit on the number of consecutive PDP events or b) every other PDP event. Customers electing every other PDP event will be divided into two groups and only be subject to a maximum of one-half of the PDP events called and the corresponding PDP rate credits will be reduced by 50%. Customers that do not elect an option will be defaulted to the no limit on the number of consecutive PDP events. The duration of PDP Event Operations for both options will be from 2:00 p.m. to 6:00 p.m. (four-hour window).

(Continued)

ELECTRIC SCHEDULE A-6 Sheet 10
SMALL GENERAL TIME-OF-USE SERVICE

PEAK DAY PRICING DETAILS (continued)

c. Notification Equipment: (Cont'd.).

If a PDP event occurs, customers will be notified using one or more of the above-mentioned systems. Receipt of such notice is the responsibility of the participating customer. PG&E will make reasonable efforts to notify customers, however it is the customer's responsibility to receive such notice and to check the PG&E website to see if a PDP event has been activated. It is also the customer's responsibility to maintain accurate notification contact information. PG&E does not guarantee the reliability of the phone, e-mail system, or Internet site by which the customer receives notification.

PG&E may conduct notification test events once a month to ensure a customer's contact information is up-to-date. These are not actual PDP events and no load reduction is required.

d. PG&E Website: The customer's actual energy usage is available at PG&E's "Your Account" website. This data may not match billing quality data, and the customer understands and agrees that the data posted to PG&E's "Your Account" website may be different from the actual bill. (T) (T)

e. Program Operations: A maximum of fifteen (15) PDP events and a minimum of nine (9) PDP events may be called in any calendar year. PG&E will notify customers by 2:00 p.m. on a day-ahead basis when a PDP event will occur the next day. The PDP program will operate year-round and PDP events may be called for any day of the week.

f. Event Cancellation: PG&E may initiate the cancellation of a PDP event before 4:00 p.m. the day-ahead of a noticed PDP event. If PG&E cancels an event, it will count the cancelled event toward the PDP limits.

g. Program Options: Customers may customize their PDP participation by choosing either a) no limit on the number of consecutive PDP events or b) every other PDP event. Customers electing every other PDP event will be divided into two groups and only be subject to a maximum of one-half of the PDP events called and the corresponding PDP rate credits will be reduced by 50%. Customers that do not elect an option will be defaulted to the no limit on the number of consecutive PDP events. The duration of PDP Event Operations for both options will be from 2:00 p.m. to 6:00 p.m. (four-hour window).

(Continued)

ELECTRIC SCHEDULE AG-4 Sheet 18
TIME-OF-USE AGRICULTURAL POWER

16. PEAK DAY PRICING DETAILS (CONT'D):

c. Notification Equipment: At the customer's option and expense, it is recommended, but not required that a customer provide a phone number or an e-mail address to receive automated notification messages of a PDP event from PG&E.

If a PDP event occurs, customers will be notified using one or more of the above-mentioned systems. Receipt of such notice is the responsibility of the participating customer. PG&E will make reasonable efforts to notify customers, however it is the customer's responsibility to receive such notice and to check the PG&E website to see if a PDP event has been activated. It is also the customer's responsibility to maintain accurate notification contact information. PG&E does not guarantee the reliability of the phone, e-mail system, or Internet site by which the customer receives notification.

PG&E may conduct notification test events once a month to ensure a customer's contact information is up-to-date. These are not actual PDP events and no load reduction is required.

d. Demand Response Operations Website: Customers can go to www.pge.com/peakdaypricing to view the forecast and history of Peak Day Pricing event days. Customers may manage the means by which they are notified by PG&E for Peak Day Pricing events by contacting PG&E. (T)

The customer's actual energy usage is available on "Your Account". This data may not match billing quality data, and the customer understands and agrees that the data posted to PG&E's "Your Account" may be different from the actual bill. (T) (T)

e. Program Operations: A maximum of fifteen (15) PDP events and a minimum of nine (9) PDP events may be called in any calendar year. PG&E will notify customers by 2:00 p.m. on a day-ahead basis when a PDP event will occur the next day. The PDP program will operate year-round and PDP events may be called for any day of the week.

f. Event Cancellation: PG&E may initiate the cancellation of a PDP event before 4:00 p.m. the day-ahead of a noticed PDP event. If PG&E cancels an event, it will count the cancelled event toward the PDP limits.

(Continued)

ELECTRIC SCHEDULE AG-5 Sheet 21
LARGE TIME-OF-USE AGRICULTURAL POWER

17. PEAK DAY PRICING DETAILS (CONT'D):

e. Demand Response Operations Website: Customers can go to www.pge.com/peakdaypricing to view the forecast and history of Peak Day Pricing event days. Customers may manage the means by which they are notified by PG&E for Peak Day Pricing events by contacting PG&E. (T)

The customer's actual energy usage is available on "Your Account". This data may not match billing quality data, and the customer understands and agrees that the data posted to PG&E's "Your Account" may be different from the actual bill. (T) (T)

f. Program Operations: A maximum of fifteen (15) PDP events and a minimum of nine (9) PDP events may be called in any calendar year. PG&E will notify customers by 2:00 p.m. on a day-ahead basis when a PDP event will occur the next day. The PDP program will operate year-round and PDP events may be called for any day of the week. PDP events will be called from 2:00 p.m. to 6:00 p.m.

g. Event Cancellation: PG&E may initiate the cancellation of a PDP event before 4:00 p.m. the day-ahead of a noticed PDP event. If PG&E cancels an event, it will count the cancelled event toward the PDP limits.

h. Event Trigger: PG&E will trigger a PDP event when the day-ahead temperature forecast trigger is reached. The trigger will be the average of the day-ahead maximum temperature forecasts for San Jose, Concord, Red Bluff, Sacramento and Fresno.

Beginning May 1 of each summer season, the PDP events on non-holiday weekdays will be triggered at 98 degrees Fahrenheit (°F), and will be triggered at 105°F on holidays and weekends. If needed, PG&E will adjust the non-holiday weekday trigger up or down over the course of the summer to achieve the range of 9 to 15 PDP events in any calendar year. Such adjustments would be made no more than twice per month and would be posted to the demand response operations website or on PG&E's PDP website.

PDP events may also be initiated as warranted on a day-ahead basis by 1) extreme system conditions such as special alerts issued by the California Independent System Operator, 2) under conditions of high forecasted California spot market power prices, 3) to meet annual PDP event limits for a calendar year, or 4) for testing/evaluation purposes.

(Continued)

ELECTRIC SCHEDULE B-19 Sheet 18
MEDIUM GENERAL DEMAND-METERED TOU SERVICE

18. Option R

The Option R rate is available to qualifying customers with PV systems that provide 15% or more of their annual electricity usage[1] as described below. No Benefitting* or Aggregated* account is eligible for Option R unless there is PV interconnected at that account that independently meets the requirements of Option R. i.e., the PV interconnected on that account meets 15% of the load at that account.

Customers:
a) Installing a new PV system with no existing generation or with existing non-PV generation; or
b) With existing PV and non-PV generation (as an existing NEMMT)

Must meet the following eligibility requirement:

$$\frac{\text{Annual PV system output}^2}{\text{Annual electricity usage}^1} \geq 15\,\%$$

Customers:
a) With an existing PV system, that are installing new PV system
b) Adding new solar to existing PV and Non-PV generation

Must meet the following eligibility requirement:

$$\frac{\text{Annual PV system (new + existing) output}^2}{\text{Annual PV system (new + existing) output}^2 + \text{Annual electricity usage}^1} \geq 15\,\%$$

* Benefiting and Aggregated accounts are defined in rate schedules that allows for such accounts for example, NEM2, RES-BCT and other tariffs.

1 Annual electricity usage (kWh): for customers with no generation will be the most recent usage over twelve billing periods, and for customers with existing generation it will be the net of imports and exports (if any, for all generators), measured at the PG&E meter over the most recent 12 billing periods. In cases where the most recent 12-month usage is not available PG&E will offer an alternate method.

2 Annual PV system Output (kWh) = CEC_{AC} rating of the panels (kW) x 8760 hours/year x 18% capacity factor where:

$$\text{CEC}_{AC}\text{ Rating of the panels (kW)} = \frac{\text{(Quantity of PV Modules (W) x PTC Rating of PV Modules x CEC Inverter Efficiency Rating)}}{1000}$$

Where the PTC and CEC inverter Efficiency Rating can be found at:
The PTC rating can be found here:
https://www.energy.ca.gov/programs-and-topics/topics/renewable-energy/solar-equipment-lists (T)

The above Annual PV System Output formula can be modified based on the following alternatives:
a) For customers with existing PV system, the customer may choose to supply PG&E with reliable metered data measuring Annual PV system Output, if such data is available.
b) Customers with trackers can use the alternate capacity factors of:

Have single axis	21%
Have dual axis	24%

(Continued)

ELECTRIC SCHEDULE B-20 Sheet 17
SERVICE TO CUSTOMERS WITH MAXIMUM DEMANDS of 1000 KILOWATTS or MORE

16. Option R

The Option R rate is available to qualifying customers with PV systems that provide 15% or more of their annual electricity usage[1] as described below. No Benefitting* or Aggregated* account is eligible for Option R unless there is PV interconnected at that account that independently meets the requirements of Option R. i.e., the PV interconnected on that account meets 15% of the load at that account.

Customers:
a) Installing a new PV system with no existing generation or with existing non-PV generation; or
b) With existing PV and non-PV generation (as an existing NEMMT)

Must meet the following eligibility requirement:

$$\frac{\text{Annual PV system output}^2}{\text{Annual electricity usage}^1} \geq 15\,\%$$

Customers:
a) With an existing PV system, that are installing new PV system
b) Adding new solar to existing PV and Non-PV generation

Must meet the following eligibility requirement:

$$\frac{\text{Annual PV system (new + existing) output}^2}{\text{Annual PV system (new + existing) output}^2 + \text{Annual electricity usage}^1} \geq 15\,\%$$

* Benefiting and Aggregated accounts are defined in rate schedules that allows for such accounts for example, NEM2, RES-BCT and other tariffs.

1 Annual electricity usage (kWh): for customers with no generation will be the most recent usage over twelve billing periods, and for customers with existing generation it will be the net of imports and exports (if any, for all generators), measured at the PG&E meter over the most recent 12 billing periods. In cases where the most recent 12-month usage is not available PG&E will offer an alternate method.

2 Annual PV system Output (kWh) = CEC_{AC} rating of the panels (kW) x 8760 hours/year x 18% capacity factor where:

$$\text{CEC}_{AC}\text{ Rating of the panels (kW)} = \frac{\text{(Quantity of PV Modules (W) x PTC Rating of PV Modules x CEC Inverter Efficiency Rating)}}{1000}$$

Where the PTC and CEC inverter Efficiency Rating can be found at:
https://www.energy.ca.gov/programs-and-topics/topics/renewable-energy/solar-equipment-lists (T)

The above Annual PV System Output formula can be modified based on the following alternatives:
a) For customers with existing PV system, the customer may choose to supply PG&E with reliable metered data measuring Annual PV system Output, if such data is available.
b) Customers with trackers can use the alternate capacity factors of:

Have single axis	21%
Have dual axis	24%

(Continued)

ELECTRIC SCHEDULE B-20 Sheet 20
SERVICE TO CUSTOMERS WITH MAXIMUM DEMANDS of 1000 KILOWATTS or MORE

18. OPTION S

The Option S rate for storage is available to qualifying customers taking Bundled, DA or CCA service under Schedule B-20 or voluntary B-20. Eligible customers must have storage systems with rated capacity in watts which is at least 10% of the customer's peak demand over the previous 12 months. Customers do not need to participate in the Self Generation Incentive Program to participate in this program. (T)

The cap for Option S enrollment will be considered reached when the MW value hits 50 MW per rate schedule, separately for B-19V, B-19 and B-20.

For purposes of determining eligibility for Option S, the usage of the customer over the previous 12 months will be determined by the max demand. Storage rated capacity will be determined by PTO agreement.

When a customer first moves to a location with installed storage, the minimum 30 days of usage history required to evaluate whether the battery capacity is at least 10% of the customer's peak demand will not yet be available. Thus, qualifying customers starting a B-20 Service Agreement at a new location will not be on Option S on day 1 of their new SA activation. (T)

The rated capacity (W) for energy storage technologies is calculated as follows:

- DC/AC systems: The nominal voltage multiplied by the amp-hour capacity multiplied by the applicable efficiency divided by the duration of discharge ((VDC x Amp-Hours x (1 kW/1000W) x Applicable Efficiency) / Duration of Discharge).
    - The following specifications must be provided to calculate rated capacity:
        - Duration of discharge (hours)
        - DC dischargeable amp-hour capacity, associated with the duration of discharge specified, including all losses and ancillary loads (such as power conditioning and thermal management)
        - Nominal voltage (VDC)
        - Applicable efficiency (if necessary), which accounts for conversion, transformation, or other efficiency losses (e.g. Inverter CEC weighted efficiency, DC-DC converter efficiency, etc.) systems, this is rated in DC, and for AC systems, this is rated in AC.
        - The continuous maximum power output capability of the system. For DC systems, this is rated in DC, and for AC systems, this is rated in AC.

The following are not eligible for Option S:

- 100% Standby customers
- SAs enrolled in Option R are not eligible for Option S and vice versa
- SAs on Virtual NEM, NEM Aggregation, NEMBIO, NEMFC, RES-BCT
- Customers with EMR meters

Note: PG&E expects to be able to allow customers to take service on Schedule E-BIP with Option S by March 31, 2020.

PG&E will provide on PGE.com monthly reporting of the Option S enrollment MWs broken out by rate schedules as well as for eligible interconnected projects that could sign up for Option S, broken up by eligible rates.

(Continued)

ELECTRIC SCHEDULE D-CARE Sheet 1

LINE-ITEM DISCOUNT FOR CALIFORNIA ALTERNATE RATES FOR ENERGY (CARE) CUSTOMERS

APPLICABILITY: This schedule is applicable to single-phase and polyphase residential service in single-family dwellings and in flats and apartments separately metered by PG&E and domestic submetered tenants residing in multifamily accommodations, mobilehome parks and to qualifying recreational vehicle parks and marinas and to farm service on the premises operated by the person whose residence is supplied through the same meter, where the applicant qualifies for California Alternate Rates for Energy (CARE) under the eligibility and certification criteria set forth in Electric Rule 19.1. CARE service is available on Schedules E-1, E-6, E-TOU, E-TOU-C, E-TOU-D, EV2, EM, ES, ESR, ET and EM-TOU. (T)

TERRITORY: This rate schedule applies everywhere PG&E provides electric service.

RATES: Customers taking service on this rate schedule will receive a percentage discount ("A" below) on their total bundled charges on their otherwise applicable rate schedule (except for the California Climate Credit, which will not be discounted). In addition, customers will receive a percentage discount ("B" below) on the delivery minimum bill amount, if applicable. The CARE discount will be calculated for direct access and community choice aggregation customers based on the total charges as if they were subject to bundled service rates. Discounts will be applied as a residual reduction to distribution charges, after D-CARE customers are exempted from the DWR bond charge and the CARE surcharge portion of the public purpose program charge used to fund the CARE discount. These conditions also apply to master-metered customers and to qualified sub-metered tenants where the master-meter customer is jointly served under PG&E's Rate Schedule D-CARE and either Schedule EM, ES, ESR, ET, or EM-TOU.

For master-metered customers where one or more of the submetered tenants qualifies for CARE rates under the eligibility and certification criteria set forth in Rule 19.1, 19.2, or 19.3, the CARE discount is equal to a percentage ("C" below) of the total bundled charges, multiplied by the number of CARE units divided by the total number of units. In addition, master-metered customers eligible for D-CARE will receive a percentage discount ("D" below) on the delivery minimum bill amount, if applicable.

It is the responsibility of the master-metered customer to advise PG&E within 15 days following any change in the number of dwelling units and/or any decrease in the number of qualifying CARE applicants that results when such applicants move out of their submetered or non-submetered dwelling unit, or submetered permanent-residence RV or permanent-residence boat.

A.	D-CARE Discount:	34.862 % (Percent)
B.	Delivery Minimum Bill Discount:	50.000 % (Percent)
C.	Master-Meter D-CARE Discount:	34.862 % (Percent)
D.	Master-Meter Delivery Minimum Bill Discount:	50.000 % (Percent)

SPECIAL CONDITIONS: 1. OTHERWISE APPLICABLE SCHEDULE: The Special Conditions of the Customer's otherwise applicable rate schedule will apply to this schedule.

(Continued)

ELECTRIC SCHEDULE E-19 Sheet 20
MEDIUM GENERAL DEMAND-METERED TOU SERVICE

18. PEAK DAY PRICING DETAILS: (cont.)

c. Bill Stabilization: PDP customers will be offered bill stabilization for the initial twelve (12) months unless they opt-out during their initial 45-day period. Bill stabilization ensures that during the initial 12 months under PDP, the customer will not pay more than it would have had it opted-out to the applicable TOU rate.

If a customer terminates its participation on the PDP rate prior to the initial 12 month period expiring, the customer will receive bill stabilization up to the date when the customer terminates its participation. Bill stabilization benefits will be computed on a cumulative basis, based on the earlier of 1) when a customer terminates its participation on the PDP rate or 2) at the end of the initial 12-month period. Any applicable credits will be applied to the customer's account on a subsequent regular bill. Bill stabilization is only available one time per customer. If a customer un-enrolls or terminates its participation on a PDP rate, bill stabilization will not be offered again.

d. Notification Equipment: Customers, at their expense, must have access to the Internet and an e-mail address or a phone number to receive notification of a PDP event. In addition, all customers can have, at their expense, an alphanumeric pager or cellular telephone that is capable of receiving a text message sent via the Internet, and/or a facsimile machine to receive notification messages.

If a PDP event occurs, customers will be notified using one or more of the above-mentioned systems. Receipt of such notice is the responsibility of the participating customer. PG&E will make reasonable efforts to notify customers, however it is the customer's responsibility to maintain accurate notification contact information, receive such notice and to check the PG&E website to see if an event is activated. PG&E does not guarantee the reliability of the phone, text messaging, e-mail system or Internet site by which the customer receives notification.

PG&E may conduct notification test events once a month to ensure a customer's contact information is up-to-date. These are not actual PDP events and no load reduction is required.

e. Demand Response Operations Website: Customers can go to www.pge.com/peakdaypricing to view the forecast and history of Peak Day Pricing event days. Customers may manage the means by which they are notified by PG&E for Peak Day Pricing events by contacting PG&E. (T)

The customer's actual energy usage is available on "Your Account". This data may not match billing quality data, and the customer understands and agrees that the data posted to PG& "Your Account" may be different from the actual bill. (T)

f. Program Operations: A maximum of fifteen (15) PDP events and a minimum of nine (9) PDP events may be called in any calendar year. PG&E will notify customers by 2:00 p.m. on a day-ahead basis when a PDP event will occur the next day. The PDP program will operate year-round and PDP events may be called for any day of the week. PDP events will be called from 2:00 p.m. to 6:00 p.m.

g. Event Cancellation: PG&E may initiate the cancellation of a PDP event before 4:00 p.m. the day-ahead of a noticed PDP event. If PG&E cancels an event, it will count the cancelled event toward the PDP limits.

(Continued)

ELECTRIC SCHEDULE E-19 Sheet 22
MEDIUM GENERAL DEMAND-METERED TOU SERVICE

19. Option R The Option R rate is available to qualifying customers with PV systems that provide 15% or more of their annual electricity usage[1] as described below. No Benefitting* or Aggregated* account is eligible for Option R unless there is PV interconnected at that account that independently meets the requirements of Option R. i.e., the PV interconnected on that account meets 15% of the load at that account.

Customers:

a) Installing a new PV system with no existing generation or with existing non-PV generation; or
b) With existing PV and non-PV generation (as an existing NEMMT)

Must meet the following eligibility requirement:

$$\frac{\text{Annual PV system output}_2}{\text{Annual electricity usage}_1} \geq 15\,\%$$

Customers:

a) With an existing PV system, that are installing new PV system
b) Adding new solar to existing PV and Non-PV generation

Must meet the following eligibility requirement:

$$\frac{\text{Annual PV system (new + existing) output}_2}{\text{Annual PV system (new + existing) output}_2 + \text{Annual electricity usage}_1} \geq 15\,\%$$

* Benefiting and Aggregated accounts are defined in rate schedules that allows for such accounts for example, NEM2, RES-BCT and other tariffs.

[1] Annual electricity usage (kWh): for customers with no generation will be the most recent usage over twelve billing periods, and for customers with existing generation it will be the net of imports and exports (if any, for all generators), measured at the PG&E meter over the most recent 12 billing periods. In cases where the most recent 12-month usage is not available PG&E will offer an alternate method.

[2] Annual PV system Output (kWh) = CEC_{AC} rating of the panels (kW) * 8760 hours/year * 18% capacity factor where:

CEC_{AC} Rating of the panels (kW) =

$$\frac{\text{(Quantity of PV Modules (W) x PTC Rating of PV Modules x CEC Inverter Efficiency Rating)}}{1000}$$

Where the PTC and CEC inverter Efficiency Rating can be found at:
https://www.energy.ca.gov/programs-and-topics/topics/renewable-energy/solar-equipment-lists (T)

The above Annual PV System Output formula can be modified based on the following alternatives:

a) For customers with existing PV system, the customer may choose to supply PG&E with reliable metered data measuring Annual PV system Output, if such data is available.
b) Customers with trackers can use the alternate capacity factors of:

Have single axis	21%
Have dual axis	24%

(Continued)

ELECTRIC SCHEDULE E-20 Sheet 14
SERVICE TO CUSTOMERS WITH MAXIMUM
DEMANDS of 1000 KILOWATTS or MORE

16. PEAK DAY PRICING DETAILS (continued):

d. Bill Stabilization: PDP customers will be offered bill stabilization for the initial twelve (12) months unless they opt-out during their initial 45-day period. Bill stabilization ensures that during the initial 12 months under PDP, the customer will not pay more than it would have had it opted-out to the applicable TOU rate.

If a customer terminates its participation on the PDP rate prior to the initial 12 month period expiring, the customer will receive bill stabilization up to the date when the customer terminates its participation. Bill stabilization benefits will be computed on a cumulative basis, based on the earlier of 1) when a customer terminates its participation on the PDP rate or 2) at the end of the initial 12-month period. Any applicable credits will be applied to the customer's account on a subsequent regular bill. Bill stabilization is only available one time per customer. If a customer unenrolls or terminates its participation on a PDP rate, bill stabilization will not be offered again.

d. Notification Equipment: Customers, at their expense, must have access to the Internet and an e-mail address or a phone number to receive notification of a PDP event. In addition, all customers can have, at their expense, an alphanumeric pager or cellular telephone that is capable of receiving a text message sent via the Internet, and/or a facsimile machine to receive notification messages.

If a PDP event occurs, customers will be notified using one or more of the above-mentioned systems. Receipt of such notice is the responsibility of the participating customer. PG&E will make reasonable efforts to notify customers; however it is the customer's responsibility to maintain accurate notification contact information, receive such notice and to check the PG&E website to see if an event is activated. PG&E does not guarantee the reliability of the phone, text messaging, e-mail system or Internet site by which the customer receives notification.

PG&E may conduct notification test events once a month to ensure a customer's contact information is up to date. These are not actual PDP events and no load reduction is required.

e. Demand Response Operations Website: Customers can go to www.pge.com/peakdaypricing to view the forecast and history of Peak Day Pricing event days. Customers may manage the means by which they are notified by PG&E for Peak Day Pricing events by contacting PG&E.. (T)

The customer's actual energy usage is available on "Your Account". This data may not match billing quality data, and the customer understands and agrees that the data posted to PG&E's "Your Account" may be different from the actual bill. (T) (T)

f. Program Operations: A maximum of fifteen (15) PDP events and a minimum of nine (9) PDP events may be called in any calendar year. PG&E will notify customers by 2:00 p.m. on a day-ahead basis when a PDP event will occur the next day. The PDP program will operate year-round and PDP events may be called for any day of the week. PDP events will be called from 2:00 p.m. to 6:00 p.m.

g. Event Cancellation: PG&E may initiate the cancellation of a PDP event before 4:00 p.m. the day-ahead of a noticed PDP event. If PG&E cancels an event, it will count the cancelled event toward the PDP limits.

(Continued)

ELECTRIC SCHEDULE E-20 Sheet 16
SERVICE TO CUSTOMERS WITH MAXIMUM DEMANDS of 1000 KILOWATTS or MORE

17. Option R

The Option R rate is available to qualifying customers with PV systems that provide 15% or more of their annual electricity usage[1] as described below. No Benefitting* or Aggregated* account is eligible for Option R unless there is PV interconnected at that account that independently meets the requirements of Option R. i.e., the PV interconnected on that account meets 15% of the load at that account.

Customers:

a) Installing a new PV system with no existing generation or with existing non-PV generation; or
b) With existing PV and non-PV generation (as an existing NEMMT)

Must meet the following eligibility requirement:

$$\frac{\text{Annual PV system output}_2}{\text{Annual electricity usage}_1} \geq 15\,\%$$

Customers:

a) With an existing PV system, that are installing new PV system
b) Adding new solar to existing PV and Non-PV generation

Must meet the following eligibility requirement:

$$\frac{\text{Annual PV system (new + existing) output}_2}{\text{Annual PV system (new + existing) output}_2 + \text{Annual electricity usage}_1} \geq 15\,\%$$

* Benefiting and Aggregated accounts are defined in rate schedules that allows for such accounts for example, NEM2, RES-BCT and other tariffs.

[1] Annual electricity usage (kWh): for customers with no generation will be the most recent usage over twelve billing periods, and for customers with existing generation it will be the net of imports and exports (if any, for all generators), measured at the PG&E meter over the most recent 12 billing periods. In cases where the most recent 12-month usage is not available PG&E will offer an alternate method.

[2] Annual PV system Output (kWh) = CEC_{AC} rating of the panels (kW) * 8760 hours/year * 18% capacity factor where:

CEC_{AC} Rating of the panels (kW) =

$$\frac{\text{(Quantity of PV Modules (W) x PTC Rating of PV Modules x CEC Inverter Efficiency Rating)}}{1000}$$

Where the PTC and CEC inverter Efficiency Rating can be found at:
https://www.energy.ca.gov/programs-and-topics/topics/renewable-energy/solar-equipment-lists (T)

The above Annual PV System Output formula can be modified based on the following alternatives:

a) For customers with existing PV system, the customer may choose to supply PG&E with reliable metered data measuring Annual PV system Output, if such data is available.
b) Customers with trackers can use the alternate capacity factors of:

Have single axis	21%
Have dual axis	24%

(Continued)

ELECTRIC SCHEDULE E-6 Sheet 4
RESIDENTIAL TIME-OF-USE SERVICE

SPECIAL CONDITIONS:

1. BASELINE RATES: PG&E may require the customer to file with it a Declaration of Eligibility for Baseline Quantities for Residential Rates.

2. BASELINE (TIER 1) QUANTITIES: The following quantities of electricity are to be billed at the rates for baseline use (also see Rule 19 for additional allowances for medical needs):

BASELINE QUANTITIES (kWh PER DAY)

	Code B - Basic Quantities		Code H - All-Electric Quantities	
Baseline Territory*	Summer Tier I	Winter Tier I	Summer Tier I	Winter Tier I
P	13.0	12.5	15.2	29.2
Q	9.9	12.5	8.7	29.2
R	16.5	11.1	19.2	29.4
S	14.3	11.1	17.3	26.3
T	6.8	8.4	7.7	14.4
V	7.6	9.2	11.2	18.5
W	17.8	10.1	21.1	19.9
X	9.9	10.7	8.8	16.2
Y	10.7	12.7	12.6	26.8
Z	6.1	8.9	7.0	18.0

3. TIME PERIODS: Times of the year and times of the day are defined as follows:

Summer (service from May 1 through October 31):

Peak:	1:00 p.m. to 7:00 p.m.	Monday through Friday
Partial-Peak:	10:00 a.m. to 1:00 p.m. AND 7:00 p.m. to 9:00 p.m. Plus 5:00 p.m. to 8:00 p.m.	Monday through Friday Saturday and Sunday
Off-Peak:	All other times including Holidays.	

Winter (service from November 1 through April 30):

Partial-Peak:	5:00 p.m. to 8:00 p.m.	Monday through Friday
Off-Peak:	All other times including Holidays.	

Holidays: "Holidays" for the purposes of this rate schedule are New Year's Day, President's Day, Memorial Day, Independence Day, Labor Day, Veterans Day, Thanksgiving Day, and Christmas Day. The dates will be those on which the holidays are legally observed.

DAYLIGHT SAVING TIME ADJUSTMENT: The time periods shown above for 2020 and below for 2021 and 2022 will begin and end one hour later for the period between the second Sunday in March and the first Sunday in April, and for the period between the last Sunday in October and the first Sunday in November. (T) (T)

* The applicable baseline territory is described in Part A of the Preliminary Statement.

(Continued)

ELECTRIC SCHEDULE E-AMDS Sheet 1
EXPERIMENTAL ACCESS TO METER DATA SERVICES

APPLICABILITY: A customer connected to PG&E's SmartMeter™ system will have the following services available as provided under this schedule. This is an experimental Schedule and shall remain in effect until December 31, 2009 or until cancelled by the CPUC.

TERRITORY: This schedule is available to customers in PG&E's electric service territory.

RATES: If the customer selects any of the services, charges will apply as stated in this schedule.

BASIC SERVICES .....No Charge

The following basic services are available through "Your Account" at pge.com. (T)

Hourly intervals of energy usage by day (kWh)	For residential accounts only Posted daily	A minimum of 2 months data
15 – Minute intervals of energy usage by day (kWh)	For non-residential accounts only Posted daily	Same as above
Historical hourly intervals of energy usage (kWh)	For residential accounts only	Same as above
Historical 15 – Minute intervals of energy usage (kWh)	For non-residential accounts only	Same as above
Daily energy usage by billing cycle or month	For all accounts	Same as above
Daily energy usage by week	For all accounts	Same as above
Historical energy usage by billing cycle or month	For all accounts	Same as above
View and print data in graph form	For all accounts	Same as above
Download data to tabular format	For all accounts	Same as above

SPECIAL CONDITIONS:

1. This experimental schedule is being offered while the presentment of customer data continues to be under development. A minimum of 2 months data retrieved from the SmartMeter™ system would be available. The customer can view, print, and download yesterday's usage to 24 months of past electric usage retrieved from the SmartMeter™ system.

2. Data shown in "Your Account" is not yet synchronized with the billing usage used in the customer's monthly bill. The monthly bill will contain the most updated and accurate usage information at the time the bill is created. (T)

ELECTRIC SCHEDULE E-CREDIT Sheet 1
REVENUE CYCLE SERVICES CREDITS

APPLICABILITY: This schedule applies to Customers that receive certain services from electric service provider (ESP). Customers for whom PG&E provides consolidated billing or dual billing will receive checks quarterly from PG&E equal to the sum of the credits, beginning in January 1999. For customers whose ESP provides consolidated billing, PG&E will send to the ESP a check equal to the sum of the credits monthly. No later than January 1, 2000, PG&E will apply the credits directly to customer bills.

TERRITORY: The entire PG&E service territory.

CREDITS: 1. METER OWNERSHIP CREDITS

If an ESP owns a Direct Access Customer's meter or a Customer owns its own meter, one of the following credits will apply, respective of the PG&E rate schedule on which the Customer is served.

Rate Schedule	Per Meter Per Day	
All Residential Schedules except as provided below	$0.04186	
ET	$0.04186	(T)
A-1, B-1 Singlephase	$0.24798	|
A-1, B-1 Polyphase	$0.24798	|
A-6, B-6 Singlephase	$0.07473	|
A-6, B-6 Polyphase	$0.07473	(T)
A-15	$0.07473	
TC-1	$0.08645	
A-10S, B-10S	$0.41887	(T)
A-10P, B-10P	$3.06679	|
A-10T, B-10T	$3.06679	|
E-19S, B-19S	$0.82429	|
E-19SV, B-19SV	$0.41887	|
E-19P, B-19P	$3.37887	|
E-19PV, B-19PV	$3.06679	|
E-19T, B-19T	$3.37887	|
E-19TV, B-19TV	$3.06679	|
E-20S, B-20S	$0.62827	|
E-20P, B-20P	$3.37887	|
E-20T, B-20T	$3.37887	(T)

(Continued)

ELECTRIC SCHEDULE E-CREDIT Sheet 2
REVENUE CYCLE SERVICES CREDITS

CREDITS: (Cont'd.)

1. METER OWNERSHIP CREDITS (Cont'd.)

Rate Schedule	Per Meter Per Day	
AG-1A, AG-RA/AG-RD, AG-VA/AG-VD, AG-4A/AG-4D, AG-A1, AG-FA	$0.06051	(T) |
AG-5A/AG-5D, AG-A2	$0.06051	|
AG-1B, AG-RB/AG-RE, AG-VB/AG-VE, AG-4B/AG-4E, AG-4BC/AG-4F, AG-B, AG-FB	$0.20510	|
AG-5B/AG-5E, AG-5C/AG-5F, AG-C, AG-FC	$0.20510	| (T)
LS-1	$0.00000	
LS-2	$0.00000	
LS-3	$0.00421	
OL-1	$0.00000	
BEV-1	$0.07473	(N)
BEV-2S	$0.82429	|
BEV-2P	$3.37887	(N)

(Continued)

ELECTRIC SCHEDULE E-CREDIT Sheet 3
REVENUE CYCLE SERVICES CREDITS

CREDITS: (Cont'd.)

1. METER OWNERSHIP CREDITS (Cont'd.)

Rate Schedule	Per Meter Per Day	
Section Schedules S, SB		(T)
S, SB Residential	$0.04186	|
S, SB Agricultural	$0.20510	|
S, SB Small Light and Power Singlephase (≤ 75 kW)	$0.07473	|
S, SB Small Light and Power Polyphase (≤ 75 kW)	$0.24798	|
S, SB Medium Light and Power (> 75 kW to < 500 kW)	$0.41887	|
S, SB Medium Light and Power S (≥ 500 kW to < 1000 kW)	$0.82429	|
S, SB Medium Light and Power P (≥ 500 kW to < 1000 kW)	$3.37887	|
S, SB Medium Light and Power T (≥ 500 kW to < 1000 kW)	$3.37887	|
S, SB Large Light and Power S (≥ 1000 kW)	$0.62827	|
S, SB Large Light and Power P (≥ 1000 kW)	$3.37887	|
S, SB Large Light and Power T (≥ 1000 kW)	$3.37887	(T)

Note: Standby rate schedules receive credit for otherwise applicable rate schedule.

Size threshold stated per KW of reservation capacity.

(Continued)

ELECTRIC SCHEDULE E-CREDIT Sheet 4
REVENUE CYCLE SERVICES CREDITS

CREDITS: (Cont'd.)

2. METER SERVICES CREDITS

If an ESP provides meter services one of the following credits will apply, respective of the PG&E rate schedule on which the Customer is served.

Rate Schedule	Per Meter Per Day	
All Residential Schedules except as provided below	$0.03199	
ET	$0.03199	(T)
A-1, B-1 Singlephase	$0.06919	|
A-1, B-1 Polyphase	$0.06919	|
A-6, B-6 Singlephase	$0.05296	|
A-6, B-6 Polyphase	$0.05296	(T)
A-15	$0.05296	
TC-1	$0.05303	
A-10S, B-10S	$0.19193	(T)
A-10P, B-10P	$1.24395	|
A-10T, B-10T	$1.24395	|
E-19S, B-19S	$1.19341	|
E-19SV, B-19SV	$0.19193	|
E-19P, B-19P	$1.91776	|
E-19PV, B-19PV	$1.24395	|
E-19T, B-19T	$2.50965	|
E-19TV, , B-19TV	$1.24395	|
E-20S, B-20S	$1.82193	|
E-20P, B-20P	$2.40330	|
E-20T, B-20T	$2.50965	(T)

(Continued)

ELECTRIC SCHEDULE E-CREDIT Sheet 5
REVENUE CYCLE SERVICES CREDITS

CREDITS: (Cont'd.)

2. METER SERVICES CREDITS (Cont'd.)

Rate Schedule	Per Meter Per Day	
AG-1A, AG-RA/AG-RD, AG-VA/AG-VD, AG-4A/AG-4D, AG-A1, AG-FA	$0.15950	(T) |
AG-5A/AG-5D, AG-A2	$0.15950	|
AG-1B, AG-RB/AG-RE, AG-VB/AG-VE, AG-4B/AG-4E, AG-4B/AG-4E, AG-B, AG-FB	$0.32998	|
AG-5B/AG-5E, AG-5C/AG-5F, AG-C, AG-FC	$0.42951	| (T)
LS-1	$0.00000	
LS-2	$0.00000	
LS-3	$0.01026	
OL-1	$0.00000	
BEV-1	$0.05296	(N)
BEV-2S	$1.19341	|
BEV-2P	$1.91776	(N)

(Continued)

ELECTRIC SCHEDULE E-CREDIT Sheet 6
REVENUE CYCLE SERVICES CREDITS

CREDITS: (Cont'd.)

2. METER SERVICES CREDITS (Cont'd.)

Rate Schedule	Per Meter Per Day	
Section Schedule S, SB		(T)
S, SB Residential	$0.03199	|
S, SB Agricultural	$0.32998	|
S, SB Small Light and Power Singlephase (≤ 75 kW)	$0.05296	|
S, SB Small Light and Power Polyphase (≤ 75 kW)	$0.06919	|
S, SB Medium Light and Power (> 75 kW to < 500 kW)	$0.19193	|
S, SB Medium Light and Power S (≥ 500 kW to < 1000 kW)	$1.19341	|
S, SB Medium Light and Power P (≥ 500 kW to < 1000 kW)	$1.91776	|
S, SB Medium Light and Power T (≥ 500 kW to < 1000 kW)	$2.50965	|
S, SB Large Light and Power S (≥ 1000 kW)	$1.82193	|
S, SB Large Light and Power P (≥ 1000 kW)	$2.40330	|
S, SB Large Light and Power T (≥ 1000 kW)	$2.50965	(T)

Note: Standby rate schedules receive credit for otherwise applicable rate schedule. Size threshold stated per kW of reservation capacity.

(Continued)

ELECTRIC SCHEDULE E-CREDIT Sheet 7
REVENUE CYCLE SERVICES CREDITS

CREDITS: (Cont'd.)

3. METER READING CREDITS

If an ESP provides meter reading services for its Customer, one of the following credits will apply, respective of the PG&E rate schedule on which the Customer is served, whether or not the Customer takes both gas and electric service from PG&E, and the method the ESP uses to read the meter.

Rate Schedule	Per Meter Per Month			
	Dual Commodity Site, Electric Meter Only	Electric Only Site	MV90-Billed Meters	
All Residential Schedules except as provided below	$0.14	$0.14	$14.95	
ET	$0.14	$0.14	$14.95	(T)
A-1, B-1 Singlephase	$0.28	$0.28	$20.80	|
A-1, B-1 Polyphase	$0.28	$0.28	$20.80	|
A-6, B-6 Singlephase	$0.21	$0.21	$17.44	|
A-6, B-6 Polyphase	$0.21	$0.21	$17.44	(T)
A-15	$0.21	$0.21	$17.44	
TC-1	$0.12	$0.12	$14.95	
A-10S, B-10S	$0.54	$0.54	$15.19	(T)
A-10P, B-10P	$3.56	$3.56	$20.27	|
A-10T, B-10T	$3.56	$3.56	$20.27	|
E-19S, B-19S	$4.37	$4.37	$17.71	|
E-19SV, B-19SV	$0.54	$0.54	$15.19	|
E-19P, B-19P	$6.12	$6.12	$21.82	|
E-19PV, B-19PV	$3.56	$3.56	$20.27	|
E-19T, B-19T	$17.12	$17.12	$32.15	|
E-19TV, B-19TV	$3.56	$3.56	$20.27	|
E-20S, B-20S	$11.88	$11.88	$29.05	|
E-20P, B-20P	$6.65	$6.65	$23.77	|
E-20T, B-20T	$17.12	$17.12	$32.15	(T)

(Continued)

ELECTRIC SCHEDULE E-CREDIT Sheet 8
REVENUE CYCLE SERVICES CREDITS

RATES: (Cont'd.)

3. METER READING CREDITS (Cont'd.)

Rate Schedule	Per Meter Per Month			
	Dual Commodity Site, Electric Meter Only	Electric Only Site	MV90-Billed Meters	
AG-1A, AG-RA/AG-RD, AG-VA/AG-VD, AG-4A/AG-4D, AG-A1, AG-FA	$0.31	$0.31	$14.70	(T) |
AG-5A/AG-5D, AG-A2	$0.31	$0.31	$14.70	|
AG-1B, AG-RB/AG-RE, AG-VB/AG-VE, AG-4B/AG-4E, AG-4C/AG-4F, AG-B, AG-FB	$0.62	$0.62	$15.80	|
AG-5B/AG-5E, AG-5C/AG-5F, AG-C, AG-FC	$0.69	$0.69	$15.76	| (T)
LS-1	$0.00	$0.00	$0.00	
LS-2	$0.00	$0.00	$0.00	
LS-3	$0.12	$0.12	$14.95	
OL-1	$0.00	$0.00	$0.00	
BEV-1	$0.21	$0.21	$17.44	(N)
BEV-2S	$4.37	$4.37	$17.71	|
BEV-2P	$6.12	$6.12	21.82	(N)

(Continued)

ELECTRIC SCHEDULE E-CREDIT Sheet 9
REVENUE CYCLE SERVICES CREDITS

RATES: (Cont'd.)

3. METER READING CREDITS (Cont'd.)

Rate Schedule	Per Meter Per Month			
Section Schedule S, SB	Dual Commodity Site, Electric Meter Only	Electric Only Site	MV90-Billed Meters	(T)
S, SB Residential	$0.14	$0.14	$14.95	
S, SB Agricultural	$0.62	$0.62	$15.80	
S, SB Small Light and Power Singlephase (≤ 75 kW)	$0.21	$0.21	$17.44	
S, SB Small Light and Power Polyphase (≤ 75 kW)	$0.28	$0.28	$20.80	
S, SB Medium Light and Power (> 75 kW to < 500 kW)	$0.54	$0.54	$15.19	
S, SB Medium Light and Power S (≥ 500 kW to < 1000 kW)	$4.37	$4.37	$17.71	
S, SB Medium Light and Power P (≥ 500 kW to < 1000 kW)	$6.12	$6.12	$21.82	
S, SB Medium Light and Power T (≥ 500 kW to < 1000 kW)	$17.12	$17.12	$32.15	
S, SB Large Light and Power S (≥ 1000 kW)	$11.88	$11.88	$29.05	
S, SB Large Light and Power P (≥ 1000 kW)	$6.65	$6.65	$23.77	
S, SB Large Light and Power T (≥ 1000 kW)	$17.12	$17.12	$32.15	(T)

Note: Standby rate schedules receive credit for otherwise applicable rate schedule. Size threshold stated per kW of reservation capacity.

(Continued)

ELECTRIC SCHEDULE E-CREDIT Sheet 10
REVENUE CYCLE SERVICES CREDITS

CREDITS: (Cont'd.)

4. BILLING CREDITS

If an ESP provides consolidated billing services for its Customer, one of the following credits will apply, respective of the PG&E rate schedule on which the Customer is served, and whether the ESP is providing full or partial consolidated billing services (defined in Rule 22).

Rate Schedule	Per Account Per Month				
	Partial ESP Consolidated Billing - Dual Commodity	Partial ESP Consolidated Billing - Electric Only	Full ESP Consolidated Billing - Dual Commodity	Full ESP Consolidated Billing - Electric Only Commodity	
All Residential Schedules except as provided below:	$1.32	$1.31	$1.32	$1.31	(D)
E-6	$1.32	$1.31	$1.32	$1.31	(D)
					(D)
					(D)
A-1, B-1 Singlephase.	$1.61	$1.72	$1.61	$1.72	(T)
A-1, B-1 Polyphase	$1.61	$1.72	$1.61	$1.72	|
A-6, B-6 Singlephase.	$1.27	$1.30	$1.27	$1.30	|
A-6, B-6 Polyphase	$1.27	$1.30	$1.27	$1.30	(T)
A-15	$1.27	$1.30	$1.27	$1.30	
TC-1	$0.50	$0.93	$0.50	$0.93	
A-10S, B-10S	$2.09	$2.27	$2.09	$2.27	(T)
A-10P, B-10P	$7.63	$7.98	$7.63	$7.98	|
A-10T, B-10T	$7.63	$7.98	$7.63	$7.98	|
					|
E-19S, B-19S	$6.90	$7.24	$6.90	$7.24	|
E-19SV, B-19SV	$2.09	$2.27	$2.09	$2.27	|
E-19P, B-19P	$11.88	$12.25	$11.88	$12.25	|
E-19PV, B-19PV	$7.63	$7.98	$7.63	$7.98	|
E-19T, B-19T	$30.50	$31.03	$30.50	$31.03	|
E-19TV, B-19TV	$7.63	$7.98	$7.63	$7.98	|
					|
E-20S, B-20S	$15.46	$15.84	$15.46	$15.84	|
E-20P, B-20P	$20.65	$21.12	$20.65	$21.12	|
E-20T, B-20T	$30.50	$31.03	$30.50	$31.03	(T)

(Continued)

ELECTRIC SCHEDULE E-CREDIT Sheet 11
REVENUE CYCLE SERVICES CREDITS

CREDITS: (Cont'd.) 4. BILLING CREDITS (Cont'd.)

Rate Schedule	Per Account Per Month				
	Partial ESP Consolidated Billing - Dual Commodity	Partial ESP Consolidated Billing - Electric Only	Full ESP Consolidated Billing - Dual Commodity	Full ESP Consolidated Billing - Electric Only Commodity	
AG-1A, AG-RA/AG-RD, AG-VA/AG-VD, AG-4A/AG-4D, AG-A1, AG-FA	$0.74	$1.40	$0.74	$1.40	(T) |
AG-5A/AG-5D, AG-A2	$0.74	$1.40	$0.74	$1.40	|
AG-1B, AG-RB/AG-RE, AG-VB/AG-VE, AG-4B/AG-4E, AG-4C/AG-4F, AG-B, AG-FB	$0.99	$1.50	$0.99	$1.50	|
AG-5B/AG-5E, AG-5C/AG-5F, AG-C, AG-FC	$1.53	$1.96	$1.53	$1.96	| (T)
LS-1	$0.60	$1.06	$0.60	$1.06	
LS-2	$0.60	$1.06	$0.60	$1.06	
LS-3	$0.60	$1.06	$0.60	$1.06	
OL-1	$1.27	$1.30	$1.27	$1.30	
BEV-1	$1.27	$1.30	$1.27	$1.30	(N)
BEV-2S	$6.90	$7.24	$6.90	$7.24	|
BEV-2P	$11.88	$12.25	$11.88	$12.25	(N)

(Continued)

ELECTRIC SCHEDULE E-CREDIT Sheet 12
REVENUE CYCLE SERVICES CREDITS

CREDITS: 4. BILLING CREDITS (Cont'd.)
(Cont'd.)

Rate Schedule	Per Account Per Month					
	Partial ESP Consolidated Billing - Dual Commodity		Partial ESP Consolidated Billing - Electric Only	Full ESP Consolidated Billing - Dual Commodity	Full ESP Consolidated Billing - Electric Only Commodity	
Section Schedule S						
S, SB Residential	$1.32		$1.31	$1.32	$1.31	(T)
S, SB Agricultural	$0.99		$1.50	$0.99	$1.50	
S, SB Small Light and Power Singlephase (≤ 75 kW)	$1.27		$1.30	$1.27	$1.30	
S, SB Small Light and Power Polyphase (≤ 75 kW)	$1.61		$1.72	$1.61	$1.72	
S, SB Medium Light and Power (> 75 kW to < 500 kW)	$2.09		$2.27	$2.09	$2.27	
S, SB Medium Light and Power S (≥ 500 kW to < 1000 kW)	$6.90		$7.24	$6.90	$7.24	
S, SB Medium Light and Power P (≥ 500 kW to < 1000 kW)	$11.88		$12.25	$11.88	$12.25	
S, SB Medium Light and Power T (≥ 500 kW to < 1000 kW)	$30.50		$31.03	$30.50	$31.03	
S, SB Large Light and Power S (≥ 1000 kW)	$15.46		$15.84	$15.46	$15.84	
S, SB Large Light and Power P (≥ 1000 kW)	$20.65		$21.12	$20.65	$21.12	
S, SB Large Light and Power T (≥ 1000 kW)	$30.50	(I)	$31.03	$30.50	$31.03	(T)

Note: Standby rate schedules receive credit for otherwise applicable rate schedule. Size threshold stated per kW of reservation capacity.

ELECTRIC SCHEDULE E-FFS Sheet 2
FRANCHISE FEE SURCHARGE

RATES: (Cont'd)

Customer Class	DA/CCA Franchise Fee Surcharge Rate per kWh			
	Pre-2009 Vintage	2009 Vintage	2010 Vintage	
Residential	$0.00088	$0.00068	$0.00066	
Small L&P	$0.00085	$0.00067	$0.00065	
Medium L&P	$0.00091	$0.00071	$0.00068	
E-19	$0.00084	$0.00065	$0.00063	
Streetlights	$0.00070	$0.00055	$0.00053	
Standby	$0.00065	$0.00051	$0.00049	
Agriculture	$0.00082	$0.00064	$0.00062	
E-20T	$0.00070	$0.00054	$0.00052	
E-20P	$0.00077	$0.00060	$0.00058	
E-20S	$0.00079	$0.00062	$0.00060	
BEV-1	$0.00085	$0.00067	$0.00065	(N)
BEV-2	$0.00084	$0.00065	$0.00063	(N)
	2011 Vintage	2012 Vintage	2013 Vintage	
Residential	$0.00064	$0.00064	$0.00063	
Small L&P	$0.00063	$0.00063	$0.00062	
Medium L&P	$0.00066	$0.00067	$0.00065	
E-19	$0.00062	$0.00062	$0.00060	
Streetlights	$0.00052	$0.00052	$0.00050	
Standby	$0.00048	$0.00048	$0.00047	
Agriculture	$0.00061	$0.00061	$0.00059	
E-20T	$0.00051	$0.00051	$0.00050	
E-20P	$0.00057	$0.00057	$0.00055	
E-20S	$0.00058	$0.00058	$0.00056	
BEV-1	$0.00063	$0.00063	$0.00062	(N)
BEV-2	$0.00062	$0.00062	$0.00060	(N)
	2014 Vintage	2015 Vintage	2016 Vintage	
Residential	$0.00062	$0.00062	$0.00063	
Small L&P	$0.00061	$0.00061	$0.00061	
Medium L&P	$0.00064	$0.00065	$0.00065	
E-19	$0.00060	$0.00060	$0.00060	
Streetlights	$0.00050	$0.00050	$0.00050	
Standby	$0.00047	$0.00047	$0.00047	
Agriculture	$0.00059	$0.00059	$0.00059	
E-20T	$0.00049	$0.00050	$0.00050	
E-20P	$0.00055	$0.00055	$0.00055	
E-20S	$0.00056	$0.00056	$0.00056	
BEV-1	$0.00061	$0.00061	$0.00061	(N)
BEV-2	$0.00060	$0.00060	$0.00060	(N)

(L)
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(Continued)

ELECTRIC SCHEDULE E-FFS Sheet 3
FRANCHISE FEE SURCHARGE

RATES: (Cont'd)

Customer Class	DA/CCA Franchise Fee Surcharge Rate per kWh			
	2017 Vintage	2018 Vintage	2019 Vintage	(L)
Residential	$0.00063	$0.00063	$0.00061	|
Small L&P	$0.00061	$0.00061	$0.00060	|
Medium L&P	$0.00065	$0.00065	$0.00063	|
E-19	$0.00060	$0.00060	$0.00058	|
Streetlights	$0.00050	$0.00050	$0.00049	|
Standby	$0.00047	$0.00047	$0.00046	|
Agriculture	$0.00059	$0.00059	$0.00058	|
E-20T	$0.00050	$0.00050	$0.00048	|
E-20P	$0.00055	$0.00055	$0.00054	|
E-20S	$0.00056	$0.00056	$0.00055	(L)
BEV-1	$0.00061	$0.00061	$0.00060	(N)
BEV-2	$0.00060	$0.00060	$0.00058	(N)

Customer Class	DA/CCA Franchise Fee Surcharge Rate per kWh	
	2020 Vintage	
Residential	$0.00056	
Small L&P	$0.00055	
Medium L&P	$0.00058	
E-19	$0.00054	
Streetlights	$0.00045	
Standby	$0.00042	
Agriculture	$0.00053	
E-20T	$0.00044	
E-20P	$0.00049	
E-20S	$0.00050	
BEV-1	$0.00055	(N)
BEV-2	$0.00054	(N)

ELECTRIC SCHEDULE E-SOP Sheet 2
RESIDENTIAL ELECTRIC SMARTMETER(TM) OPT-OUT PROGRAM

4. METERING EQUIPMENT: A non-communicating meter will be used to provide electric service for customers who elect this option. For the great majority of customers, these meters will be analog meters. Some residential electric customers will require special non-communicating solid-state digital meters.

   For example, these special meters include meters to support electric time-of-use service under Schedules EM-TOU, E-6, E-TOU and EV. Customers who choose to participate in this Opt Out Program and elect service under a time-of-use rate schedule for which they are eligible will be served using a non-communicating solid state digital time-of-use meter. (T)

5. BILLING: Customers will be billed for charges applicable under the customer's Otherwise Applicable Rate Schedule (OAS), plus the initial amount and the monthly charge described herein. The initial amount and monthly charge will appear on the electric service agreements of both customers that take electric-only service from PG&E and customers that take gas and electric service from PG&E. Opt-Out Program customers will be charged the initial and monthly charges described above once the replacement meter(s) is installed, and they will be required to pay the initial amount within 90 days. Charges will continue for 36 months as noted in Section 3 above. All such charges will be subject to the terms and conditions for rendering and payment of bills under Electric Rules 8 and 9.

   Pursuant to Decision 12-02-014, a customer must affirmatively elect to opt-out of the SmartMeter™ Program, and shall default to SmartMeter™-based utility service absent such an election. If PG&E makes a field visit to a customer's residence for purposes of installing a SmartMeter™ and the customer does not provide reasonable access to PG&E to install a SmartMeter™ after being provided notice of eligibility for service under this Opt-Out Program and not electing to opt-out, the customer shall be deemed to have elected service under this Opt-Out Program.

ELECTRIC SCHEDULE NEM Sheet 3
NET ENERGY METERING SERVICE

APPLICABILITY: (Cont'd.)

C. Modifications: (Cont'd.) NEM Transition Eligible Customers, NEMV Transition Eligible Customers or NEMVMASH Transition Eligible Customers making modifications that increase the Renewable Electrical Generation Facility's size by more than the above amounts may either choose to (i) meter the additions separately under the successor tariff or (ii) elect for the whole system to take service under the successor tariff.

D. Change Party: Renewable Electrical Generation Facilities for NEM Transition Eligible Customers, NEMV Transition Eligible Customers or NEMVMASH Transition Eligible Customers shall not lose eligibility if transferred to a new owner, operator, or PG&E account at the original location, except if the Transition Option is selected.

E. Storage: Integrated storage or directly connected storage as defined Special Condition 11 shall be treated in the same way, and be subject to the same transition period, as the underlying REGF to which they are connected.

F. Natural or Man-Made Disasters[1]: NEM Transition Eligible Customers whose eligible generator needs to be replaced due to a natural or man-made disaster will maintain their NEM Grandfathering status as laid out in this section and Special Condition 10.

Customers seeking generator interconnections in portions of San Francisco and Oakland where PG&E has a network grid must contact PG&E about generation export limitations.

A Renewable Electrical Generation Facility means a generating facility that generates electricity by using:

a) biomass,
b) solar thermal,
c) photovoltaic,
d) wind,
e) geothermal,
f) fuel cells using renewable fuels,
g) small hydroelectric generation (but a small hydroelectric generation facility is not an eligible Renewable Electrical Generation Facility if it will cause an adverse impact on instream beneficial uses or cause a change in the volume or timing of streamflow),
h) digester gas,
i) municipal solid waste conversion,
j) landfill gas,
k) ocean wave,
l) ocean thermal, or
m) tidal current,

and any additions or enhancements to the facility using that technology pursuant to paragraph (1) of subdivision (a) of Section 25741 of the Public Resources Code. These renewable sources are defined in the latest version of the California Energy Commission's (CEC's) Renewables Portfolio Standard (RPS) Eligibility Guidebook and the Overall Program Guidebook.[2]

[1] Natural or man-made disasters includes such events as a fire, earthquake, flood, or severe storms.
[2] The RPS Guidebooks can be found at: https://www.energy.ca.gov/programs-and-topics/programs/renewables-portfolio-standard (T) (T)

(Continued)

ELECTRIC SCHEDULE NEM Sheet 12
NET ENERGY METERING SERVICE

SPECIAL CONDITIONS: (Cont'd.)

3. INTERCONNECTION: Prior to receiving approval for Parallel Operation, the customer-generator must submit a completed PG&E application form and interconnection agreement as follows:

Rate Option	Application	Interconnection Agreement
NEMS	For Solar and/or Wind Electric Generating Facilities of 30 Kilowatts or Less:	
	Application - Net Energy Metering Interconnection for Solar and/or Wind Electric Generating Facilities of 30 Kilowatts or Less (Form **79-1151B**)[3]	*Agreement and Customer Authorization – Net Energy Metering Interconnection for Solar and/or Wind Electric Generating Facilities of 30 Kilowatts or Less* (Form **79-1151A**)[3]
NEMEXP	For Solar and/or Wind Net Energy Metering Generating Facilities of 1,000 Kilowatts or Less, other than Facilities of 30 Kilowatts or Less:	
	Online Rule 21 Generator Interconnection Application, (Form **79-1174**)	*Interconnection Agreement for Net Energy Metering of Solar or Wind Electric Generating Facilities of 1,000 Kilowatts or Less, other than Facilities of 30 Kilowatts or Less* (Form **79-978**)
	For Renewable Electrical Generating Facilities other than Solar and/or Wind Electric Generating Facilities of 1,000 Kilowatts or Less:	
	(same as for Solar and/or Wind NEMEXP)	*Interconnection Agreement for Net Energy Metering For A Renewable Electrical Generation Facility Of 1,000 Kilowatts Or Less* (Form **79-1137**)
NEMEXPM	For all other commercial, industrial customer-generators, and agricultural customers billed monthly under Special Condition 2 with (i) Solar and/or Wind Generating Facilities of 1,000 Kilowatts or Less, other than Facilities of 30 Kilowatts or Less, (ii) or any other Renewable Electrical Generation Facility of 1,000 Kilowatts or Less:	
	(same as for NEMEXP)	*(same as for NEMEXP)*
NEMMT	For customer-generators taking service as a Multiple Tariff Facility under Special Condition 4 of this tariff:	
	Online Rule 21 Generator Interconnection Application (Form **79-1174**)	*Generating Facility Interconnection Agreement (Multiple Tariff)* (Form **79-1069**)
NEM Inspection Report	To accompany a new interconnection agreement, as required under Special Condition 6 of this tariff:	
		NEM/NEMVMASH Inspection Report – (Form **79-1125**)
NEMCDCR	See Special Condition 8	
NEMUSAF	See Special Condition 9	

[3] Both the Agreement and Customer Authorization (79-1151A) and Application (79-1151B) forms must have been submitted before PG&E will issue the Permission to Operation (PTO) letter. Information in the Application can be submitted by the Company or Customer in an electronic format, subject to approval by PG&E.

(Continued)

ELECTRIC SCHEDULE NEM Sheet 19
NET ENERGY METERING SERVICE

SPECIAL CONDITIONS: (Cont'd.)

5. Net Surplus Electricity Compensation (NSC) (Cont'd):

(b) The **NSC Rate** – The NSC Rate is defined as the simple rolling average of PG&E's default load aggregation point (DLAP) price from 7 a.m. to 5 p.m., for a 12-month period. PG&E shall use the NSC Rate as the value of the electricity portion of its net surplus compensation rate.

PG&E will calculate the NSC Rate each month. It will be effective on the first day of that month and PG&E will use it in the NSC Calculation for any Net Surplus Generators with a Relevant Period completed in that month (True-Up Month).

The **DLAP Cutoff Date** will be defined as the twentieth (20th) day of the month prior to the True-Up Month.

PG&E will wait five (5) days after the DLAP Cutoff Date for the CAISO to have time to finalize the day-ahead PG&E DLAP prices. The NSC Rate will then be calculated as the simple average of the prices for all hours between 7 a.m. and 5 p.m. over a one (1) year period ending on the DLAP Cutoff Date.

(c) Pursuant to D. 11-06-016, PG&E includes a **Renewable Attribute Adder (RAA)** based on the California Energy Commission (CEC) implementation methodology.

Under the CEC's Renewables Portfolio Standard (RPS) Eligibility Guidebook[4], an ownership verification and tracking process is set forth for Renewable Energy Credits (RECs) created by Net Surplus Generators.

PG&E will pay a Renewable Attribute Adder (RAA) for Net Surplus Electricity if the Net Surplus Generator completes Form 79-1155 -- *Schedules NEM, NEMV, NEMVMASH, Net Surplus Electricity (NSE) Renewable Energy Credits Compensation Form* which requires that each true-up a Net Surplus Generator confirm it or its REC aggregator has:

(1) certified ownership of Net Surplus Electricity Renewable Energy Credits associated with their Net Surplus Electricity;
(2) obtained certification for the Renewable Portfolio Standards (RPS) eligibility of the Electrical Generation Facility from the CEC and provide evidence of this certification to PG&E; and
(3) transferred the ownership of the WREGIS Certificates to PG&E.

The RAA will be calculated using the most recent Western Electricity Coordinating Council (WECC) average renewable premium, based on United States Department of Energy (DOE) published data as submitted via advice letter annually in compliance with Resolution E-4475 and Decision 11-12-018.

(d) Calculation of the NSC – NSC is calculated by multiplying any Net Surplus Electricity (kWh) by the NSC Rate in (b) and (c) above.

[4] The CEC RPS Eligibility Guidebook is available at: https://www.energy.ca.gov/programs-and-topics/programs/renewables-portfolio-standard (T) (T)

(Continued)

ELECTRIC SCHEDULE NEM Sheet 31
NET ENERGY METERING SERVICE

SPECIAL CONDITIONS: (Cont'd.)

11. NEM Paired Storage

c. Types of NEM Paired Storage

2) Directly Connected: (Cont'd.)

DIRECTLY CONNECTED - Table 11.2
(This table covers **storage that is NOT 100% REGF charged**)
For Both AC and DC Coupled Storage
May Include ► No-Grid Charged storage (if other nonrenewable generation present)
► Non Storage Export (if other nonrenewable generation present)
Includes All ► Grid Charged Storage And Storage Exports
All apply with Application 79-1174-02

Includes ► Non-Storage Export with either NGOM or non-export relay equivalent
(if no other nonrenewable generation present)
All apply with Application 79-1174-02

	PV/Wind < 30 kw	**Non-PV/Wind REGF ≤1MW** **>30kW PV/Wind ≤1MW**	**Bill as**	**IC costs**	**Notes**
Storage ≤ 10kw	79-1093-02	79-1069-02	§3i	Per 5.i	Estimation Methodology
Storage > 10kw And < 150%[5]	79-1069-02	79-1069-02	§3ii	Per 5.ii or iii	NGOM, No Grid Charging, No Storage Export[6] (T) (T)
Storage > 10kw And > 150%	Set up and bill as NEMMT (not under NEM-Paired Storage section)				

[5] the storage system shall have a maximum output power no larger than 150% of the NEM-eligible generator's maximum output capacity. (T)

[6] see definition of "No Grid Charging" storage and "No Storage Export" above in 9.a above. (T)

(Continued)

ELECTRIC SCHEDULE NEM2 Sheet 2
NET ENERGY METERING SERVICE

APPLICABILITY: (Cont'd.)

Customers seeking generator interconnections in portions of San Francisco and Oakland where PG&E has a network grid must contact PG&E about generation export limitations.

A REGF means a generating facility that generates electricity by using:

a) biomass,
b) solar thermal,
c) photovoltaic,
d) wind,
e) geothermal,
f) fuel cells using renewable fuels,
g) small hydroelectric generation (but a small hydroelectric generation facility is not an eligible REGF if it will cause an adverse impact on instream beneficial uses or cause a change in the volume or timing of streamflow),
h) digester gas,
i) municipal solid waste conversion,
j) landfill gas,
k) ocean wave,
l) ocean thermal, or
m) tidal current,

and any additions or enhancements to the facility using that technology pursuant to paragraph (1) of subdivision (a) of Section 25741 of the Public Resources Code. These renewable sources are defined in the latest version of the California Energy Commission's (CEC's) Renewables Portfolio Standard (RPS) Eligibility Guidebook and the Overall Program Guidebook.[3]

[3] The RPS Guidebooks can be found at: https://www.energy.ca.gov/programs-and-topics/programs/renewables-portfolio-standard (T) (T)

(Continued)

ELECTRIC SCHEDULE NEM2 Sheet 15
NET ENERGY METERING SERVICE

SPECIAL CONDITIONS: (Cont'd.)

3. INTERCONNECTION: (Cont'd.)

For Load Aggregation, a completed and signed "NEM Load Aggregation Appendix" (Form 79-1153-02) must be submitted together with the appropriate NEM interconnection agreement listed above.

The eligible customer-generator must meet all applicable safety, and performance standards established by the National Electrical Code, the Institute of Electrical and Electronics Engineers, and accredited testing laboratories such as Underwriters Laboratories and, where applicable, rules of the California Public Utilities Commission regarding safety and reliability.

In order to promote the safety and reliability of the customer REGF, the applicant is required to verify as a part of each interconnection request for this tariff, that all major solar system components are on the verified equipment list maintained by the California Energy Commission and other equipment, as determined by PG&E, should be verified by the customer as having safety certification from a nationally recognized testing laboratory.

Applicant is required to verify as a part of each interconnection request for this tariff, that (i) a warranty of at least 10 years, or (ii) a 10-year service warranty or executed "agreement" ensuring proper maintenance and continued system performance has been provided on all equipment and on its installation.

For Load Aggregation Arrangements Requesting an additional service for Generator – Subject to all other applicable rules, an additional service may be allowed for the Generating Account if it has no load other than that associated directly with the REGF. However, a customer may not subsequently add load to that additional service, and if the REGF is removed, the additional service, may not be converted to a load account.

Customers on this tariff must pay for the interconnection of their REGF as provided in Electric Rule 21, including an application fee. This application fee must be paid through PG&E's online application portal in order to complete the application, unless otherwise directed by PG&E. For application fees for Customers impacted by a Natural or Man-Made Disasters[5], see Special Condition 10. (T)

For the purposes of the NEM2, NEM2V, and NEM2VMSH tariffs, the rating of the generating facility, for the purposes of comparing its size relative to the 1 megawatt (MW) limit, will be determined based on:

(a) For each PV generator, the California Energy Commission's (CEC) AC rating;

(b) For each inverter based generator, the gross nameplate rating of the inverter; or

(c) For each non-inverter based generator, the generator gross nameplate.

[5] Natural or man-made disasters includes such events as a fire, earthquake, flood, or severe storms. (T)

(Continued)

ELECTRIC SCHEDULE NEM2 Sheet 21
NET ENERGY METERING SERVICE

SPECIAL CONDITIONS: (Cont'd.)

5. NET SURPLUS ELECTRICITY COMPENSATION (NSC): (Cont'd.)

b. The NSC Rate – The NSC Rate is defined as the simple rolling average of PG&E's default load aggregation point (DLAP) price from 7 a.m. to 5 p.m., for a 12-month period. PG&E shall use the NSC Rate as the value of the electricity portion of its net surplus compensation rate.

PG&E will calculate the NSC Rate each month. It will be effective on the first day of that month and PG&E will use it in the NSC Calculation for any Net Surplus Generators with a Relevant Period completed in that month (True-Up Month).

The DLAP Cutoff Date will be defined as the twentieth (20th) day of the month prior to the True-Up Month.

PG&E will wait five (5) days after the DLAP Cutoff Date for the CAISO to have time to finalize the day-ahead PG&E DLAP prices. The NSC Rate will then be calculated as the simple average of the prices for all hours between 7 a.m. and 5 p.m. over a one (1) year period ending on the DLAP Cutoff Date.

c. Pursuant to D. 11-06-016, PG&E includes a Renewable Attribute Adder (RAA) based on the California Energy Commission (CEC) implementation methodology.

Under the CEC's Renewables Portfolio Standard (RPS) Eligibility Guidebook[6], an ownership verification and tracking process is set forth for Renewable Energy Credits (RECs) created by Net Surplus Generators. (T)

PG&E will pay a RAA for Net Surplus Electricity if the Net Surplus Generator completes Form 79-1155-02 - *Schedules NEM2, NEM2V, NEMV2MSH, Net Surplus Electricity (NSE) Renewable Energy Credits Compensation Form* which requires that each true-up a Net Surplus Generator confirm it or its REC aggregator has:

1) certified ownership of Net Surplus Electricity Renewable Energy Credits associated with their Net Surplus Electricity;
2) obtained certification for the Renewable Portfolio Standards (RPS) eligibility of the Electrical Generation Facility from the CEC and provide evidence of this certification to PG&E; and
3) transferred the ownership of the WREGIS Certificates to PG&E.

The RAA will be calculated using the most recent Western Electricity Coordinating Council (WECC) average renewable premium, based on United States Department of Energy (DOE) published data as submitted via advice letter annually in compliance with Resolution E-4475 and Decision 11-12-018.

[6] The CEC RPS Eligibility Guidebook is available at: https://www.energy.ca.gov/programs-and-topics/programs/renewables-portfolio-standard (T) (T)

(Continued)

ELECTRIC SCHEDULE NEM2 Sheet 27
NET ENERGY METERING SERVICE

SPECIAL CONDITIONS: (Cont'd.)

8. NEM2 GRANDFATHERING PROVISIONS (Cont'd.)

b. Modifications[7]. REGFs eligible for the 20-year transition period outlined above that are modified and/or repaired shall remain eligible for the remainder of their 20-year transition period as long as the modifications and/or repairs do not increase the REGF by more than the greater of: (T)

1) 10 percent of the REGF's nameplate rating capacity, as established when the REGF was originally interconnected, or

2) 1 kW;

and provided the modifications and/or repairs do not result in the REGF exceeding the Customer's annual onsite load.

c. Transferability. REGF eligible for the 20-year transition period shall not lose their eligibility if transferred to a new owner, operator, or PG&E account, provided the REGF remains at its original location.[8] (T)

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[7] Customers making modifications and/or additions to their REGF that exceed the 10 percent or 1 kW limit referenced above have the option of either metering the additions and/or modifications separately under another eligible tariff or other authorized process, or having the entire REGF served under another eligible tariff, subject to the terms and conditions contained therein. This requirement will only be enforced upon the development of a new NEM Successor Tariff that supersedes D.16-01-044, or by the direction of the CPUC. (T)

[8] The transfer of an existing REGF to a new location is considered a new installation requiring a new Interconnection Agreement that is subject to the applicable tariffs in place at the time the new Interconnection Request is completed. (T)

(Continued)

ELECTRIC SCHEDULE NEM2 Sheet 28
NET ENERGY METERING SERVICE

SPECIAL CONDITIONS: (Cont'd.)

9. NEM Paired Storage

a. Definitions:

NEM Paired Storage:

NEM Paired Storage is defined as qualifying energy storage devices ("storage system") paired with a REGF that either:

(i) meets the Renewables Portfolio Standard (RPS) Guidebook[9] requirements as an "addition or enhancement" as described in Section c. below, or (T)

(ii) is eligible to received certain benefits as is described this Special Condition by virtue of the fact that it is paired with a REGF although it is not exclusively renewable charged, pursuant to California Public Utilities Commission (CPUC) Decision (D.) 14-05-033 and D.19-01-030.

AC-Coupled:

The REGF has its own inverter or set of inverters; and separately, the storage system has its own inverter or set of inverters, pursuant to CPUC D.19-01-030.

In AC-coupled NEM-eligible GFs paired with storage devices, storage device capacity is determined as the (AC) maximum discharge capacity. The size of the storage system in AC-coupled REGF plus storage systems is the inverter's (or inverters') nameplate capacity (nameplate capacities summed).

DC-Coupled:

The REGF and the storage share the same inverter, or set of inverters, pursuant to CPUC D.19-01-030.

The size of the storage system is the lesser of the shared inverter's (or inverters') nameplate capacity (capacities summed) and the storage device's (devices') maximum continuous discharge capacity (capacities summed) listed on the device's (devices') technical specifications sheets. A storage device's maximum continuous discharge capacity may be listed on technical specification sheets using different terminology; PG&E will use common sense to determine whether a device's technical specification sheet includes the appropriate metric for purposes of determining system size, regardless of the terminology used. If that metric is not included, PG&E will rely on the inverter's nameplate rating.

[9] The RPS Guidebooks can be found at: https://www.energy.ca.gov/programs-and-topics/programs/renewables-portfolio-standard (T)
(T)

(Continued)

ELECTRIC SCHEDULE NEM2 Sheet 33
NET ENERGY METERING SERVICE

SPECIAL CONDITIONS: (Cont'd.)

9. NEM Paired Storage

c. Types of NEM Paired Storage

DIRECTLY CONNECTED - Table 11.2
(This table covers **storage that is NOT 100% REGF charged**)
For Both AC and DC Coupled Storage
May Include ► No-Grid Charged storage (if other nonrenewable generation present)
► Non Storage Export (if other nonrenewable generation present)
Includes All ► Grid Charged Storage And Storage Exports
All apply with Application 79-1174-02

Includes ► Non-Storage Export with either NGOM or non-export relay equivalent (if no other nonrenewable generation present)
All apply with Application 79-1174-02

	PV/Wind < 30 kw	**Non-PV/Wind REGF ≤1MW** **>30kW PV/Wind ≤1MW**	**REGF >1Mw**	**Bill as**	**IC costs**	**Notes**
Storage ≤ 10kw	79-1093-02	79-1069-02	79-1078-02	§3i	Per 5.i	Estimation Methodology
Storage > 10kw And < 150%[10]	79-1069-02	79-1069-02	79-1078-02	§3ii	Per 5.ii or iii	**NGOM, No Grid Charging, No Storage Export[11]** (T) (T)
Storage > 10kw And > 150%	Set up and bill as NEMMT (not under NEM-Paired Storage section)					

[10] the storage system shall have a maximum output power no larger than 150% of the NEM-eligible generator's maximum output capacity (T)

[11] see definition of "No Grid Charging" storage and "No Storage Export" above in 9.a above. (T)

(Continued)

ELECTRIC SCHEDULE NEM2 Sheet 40
NET ENERGY METERING SERVICE

SPECIAL CONDITIONS: (Cont'd.)

10. Natural or Man-Made Disasters (Cont'd)

The intervening period from destruction of the generator to PTO of the replacement generator must be no longer than two years, unless reasonable documentation acceptable to PG&E is provided showing that the new interconnection is in process. The interconnection application must be completed by the same NEM2 customer who was taking service on NEM2 prior to the Natural or Man-Made Disaster. If the generator is not replaced by the same NEM2 Customer, but the property is sold to a new owner after the destruction of the generator, this provision does not extend to the new owner. The new owner must apply and take service under the NEM tariff in effect at the time and is subject to all the requirements of a new customer seeking interconnection for that NEM tariff.

Customers impacted by Natural or Man-Made Disasters who meet the requirements included in this Special Condition and whose replacement system is sized[12] no greater than 1 megawatt (MW) are exempt from the interconnection application fee when reapplying. (T)

Customers impacted by Natural or Man-Made Disasters must comply with all requirements associated with the installation of Smart Inverter technology, as defined in Electric Rule 21.

[12] Sized as defined in Special Condition 3. (T)

ELECTRIC SCHEDULE NEM2V Sheet 3
VIRTUAL NET ENERGY METERING SERVICE

APPLICABILITY: (Cont'd.)

A REGF means a generating facility that generates electricity by using:

a) biomass,
b) solar thermal,
c) photovoltaic,
d) wind,
e) geothermal,
f) fuel cells using renewable fuels,
g) small hydroelectric generation (but a small hydroelectric generation facility is not an eligible REGF if it will cause an adverse impact on instream beneficial uses or cause a change in the volume or timing of streamflow),
h) digester gas,
i) municipal solid waste conversion,
j) landfill gas,
k) ocean wave,
l) ocean thermal, or
m) tidal current,

and any additions or enhancements to the generating facility using that technology pursuant to paragraph (1) of subdivision (a) of Section 25741 of the Public Resources Code. These renewable sources are defined in the latest version of the California Energy Commission's (CEC's) Renewables Portfolio Standard (RPS) Eligibility Guidebook and the Overall Program Guidebook.[6]

Service Under Schedule NEM2V is available to Customers that provide PG&E with:

a. a completed, signed NEM2V application and interconnection agreement as described in Special Condition 4, including all supporting documents and required payments; AND

b. evidence of the Customer's final inspection clearance from the governmental authority having jurisdiction over the REGF.

[6] The RPS Guidebooks can be found at: https://www.energy.ca.gov/programs-and-topics/programs/renewables-portfolio-standard (T) (T)

(Continued)

ELECTRIC SCHEDULE NEM2V Sheet 20
VIRTUAL NET ENERGY METERING SERVICE

SPECIAL CONDITIONS: (Cont'd.)

5. NET SURPLUS ELECTRICITY COMPENSATION (NSC): (Cont'd.)

b. **The NSC Rate** – The NSC Rate is defined as the simple rolling average of PG&E's default load aggregation point (DLAP) price from 7 a.m. to 5 p.m., for a 12-month period. PG&E shall use the NSC Rate as the value of the electricity portion of its net surplus compensation rate.

PG&E will calculate the NSC Rate each month. It will be effective on the first day of that month and PG&E will use it in the NSC Calculation for any Net Surplus Generators with a Relevant Period completed in that month (True-Up Month).

The DLAP Cutoff Date will be defined as the twentieth (20th) day of the month prior to the True-Up Month.

PG&E will wait five (5) days after the DLAP Cutoff Date for the CAISO to have time to finalize the day-ahead PG&E DLAP prices. The NSC Rate will then be calculated as the simple average of the prices for all hours between 7 a.m. and 5 p.m. over a one (1) year period ending on the DLAP Cutoff Date.

c. Pursuant to D.11-06-016, PG&E includes a Renewable Attribute Adder (RAA) based on the California Energy Commission (CEC) implementation methodology.

Under the CEC's Renewables Portfolio Standard (RPS) Eligibility Guidebook[7], an ownership verification and tracking process is set forth for Renewable Energy Credits (RECs) created by Net Surplus Generators.

PG&E will pay a Renewable Attribute Adder (RAA) for Net Surplus Electricity if the Net Surplus Generator completes Form 79-1155-02 - Schedules NEM2, NEM2V, NEM2VMSH Net Surplus Electricity (NSE) Renewable Energy Credits Compensation Form which requires that each true-up a Net Surplus Generator confirm it or its REC aggregator has:

1) certified ownership of Net Surplus Electricity Renewable Energy Credits associated with their Net Surplus Electricity;

2) obtained certification for the Renewable Portfolio Standards (RPS) eligibility of the REGF from the CEC and provide evidence of this certification to PG&E; and

3) transferred the ownership of the WREGIS Certificates to PG&E.

[7] The CEC RPS Eligibility Guidebook is available at: https://www.energy.ca.gov/programs-and-topics/programs/renewables-portfolio-standard (T) (T)

(Continued)

ELECTRIC SCHEDULE NEM2VSOM Sheet 7

VIRTUAL NET ENERGY METERING SOLAR ON MULTIFAMILY AFFORDABLE HOUSING (SOMAH) PROPERTIES

SPECIAL CONDITIONS: (Cont'd.)

2. BILLING: (Cont'd.)

b. The Annual Solar Energy Credit Allocation (Cont'd.)

Any measured usage at the Generator Account over and above that required by the ESGF itself, will be treated as if it is Common Area Account usage for the purposes of the Annual Solar Energy Credit Allocation and for billing.

For the Residential Unit Accounts, the percentage of solar energy credits (in kWh) allocated to each Residential Unit Account will be in proportion to the relative size of each unit, consistent with the manner in which affordable housing rents are established. This solar allocation percentage will be established initially by the Owner on Appendix A of the NEM2VSOM application and interconnection agreement as described in Special Condition 3. Allocations will be rounded to the nearest 100th of a percent.

If there are multiple Common Area Accounts, the Owner must specify each Common Area Account allocation on Appendix A of the NEM2VSOM application and interconnection agreement as described in Special Condition 3.

Once allocated, Credits (in dollars) will be calculated per the OAS for each bundled service. Customer Load Account as described in Special Condition 2.c and 2.d. For a DA or CCA Service Benefitting Account, the credit will be calculated by the ESP or CCA in accordance with the ESP's or CCA's program corresponding to NEM2VSOM.

If a tenant stops service with PG&E while participating in the NEM2VSOM arrangement as a benefitting account (i.e. a tenant moves out), the Owner has the option of temporarily receiving the disposition of credits until a new tenant starts service. To establish this transition of credits, the Owner must submit Electric Form 02-2590[4] (Interim Service Agreement) according to the instructions on the form, or utilize PG&E's Property Management Portal (online). After the request is processed, any benefitting account participating in the NEM2VSOM arrangement that becomes vacant will have its service started in the Owner's name, and the credits will be allocated to that service until a new tenant starts service. A true-up for the service will be performed prior to the start of any new service in the NEM2VSOM arrangement. (T)

After the initial twenty-year period, the Owner may only modify this allocation once in any 12-month period. A reallocation of the solar credit becomes effective for each Customer Load Account on the first day of the next Billing Cycle where the Billing Cycle start date occurs at least five business days after the date of the Owner's request.

[4] https://www.pge.com/tariffs/assets/pdf/tariffbook/ELEC_FORMS_02-2590.pdf. This form addresses continuing both gas and electric services due to tenant vacancy. To ensure that credits are not lost, PG&E recommends that Owners complete the "Interim Service Agreement" process prior to receiving approval for the NEM2VSOM tariff. (T)

(Continued)

ELECTRIC SCHEDULE NEMV Sheet 3

VIRTUAL NET METERING FOR A MULTI-TENANT OR MULTI-METER PROPERTY SERVED AT THE SAME SERVICE DELIVERY POINT

APPLICABILITY: (Cont'd.)

A Renewable Electrical Generation Facility means a generating facility that generates electricity by using:

a) biomass,
b) solar thermal,
c) photovoltaic,
d) wind,
e) geothermal,
f) fuel cells using renewable fuels,
g) small hydroelectric generation (but a small hydroelectric generation facility is not an eligible renewable electrical generation facility if it will cause an adverse impact on instream beneficial uses or cause a change in the volume or timing of streamflow),
h) digester gas,
i) municipal solid waste conversion,
j) landfill gas,
k) ocean wave,
l) ocean thermal, or
m) tidal current,

and any additions or enhancements to the generating facility using that technology pursuant to paragraph (1) of subdivision (a) of Section 25741 of the Public Resources Code. These renewable sources are defined in the latest version of the California Energy Commission's (CEC's) Renewables Portfolio Standard (RPS) Eligibility Guidebook and the Overall Program Guidebook[5]

NEMV Cap: Service Under Schedule NEMV is available on a first-come, first-served basis to Customers that provide PG&E with:

a. a completed, signed NEMV application and interconnection agreement as described in Special Condition 4, including all supporting documents and required payments; AND

b. evidence of the Customer's final inspection clearance from the governmental authority having jurisdiction over the Renewable Electrical Generation Facility;

until the earlier of (i) July 1, 2017, or (ii) such time as the Total Rated Generating Capacity (as defined in Schedule NEM) used by eligible Customer-generators and Qualified Customers on rate Schedules NEM, NEMV and NEMVMASH, exceeds the larger of five (5) percent of PG&E's Aggregate Customer Peak Demand (as defined in Schedule NEM) once PG&E has interconnected at least 2409 megawatts of nameplate generating capacity. Customers meeting these conditions are referred to as "NEMV Transition Eligible Customers".

The NEM Transition Provisions in Schedule NEM will apply here.

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[5] The RPS Guidebooks can be found at: https://www.energy.ca.gov/programs-and-topics/programs/renewables-portfolio-standard (T) (T)

(Continued)

ELECTRIC SCHEDULE NEMVMASH Sheet 1

VIRTUAL NET ENERGY METERING FOR MULTIFAMILY AFFORDABLE HOUSING (MASH/NSHP) WITH SOLAR GENERATOR(S)

APPLICABILITY: This virtual net energy-metering schedule is applicable to Customers, who operate (a) solar generator(s) of not more than 1,000 kW in parallel with PG&E's electric system, all on the same Premises (or meeting the requirements in c.) for:

a. an existing building or buildings served from one Customer Service Delivery Point, as defined in Rule 16, with PG&E's Distribution System that received incentives under PG&E's California Solar Initiative (CSI) Multifamily Affordable Solar Housing (MASH) Program[1], or (T)

b. new, "Affordable Housing" consisting of one or more buildings serviced from one Customer Service Delivery Point, as defined in Rule 16, with PG&E's Distribution System that received incentives under the New Solar Homes Partnership (NSHP)[2] Program in PG&E's service territory, or (T)

c. Customers that meet the requirements of provisions "a" or "b" above except for the single Customer Service Delivery Point restriction may alternatively elect to serve Accounts located at multiple Customer Service Delivery Points within their "Eligible Low Income Development" so as to fully utilize their solar generator(s) of not more than 1,000 kW also sited within their "Eligible Low Income Development."

d. Customers that meet the eligibility requirements for MASH but did not receive MASH funding, may participate in option c.

This option d. is only available to Customer-generators that are ready to interconnect and operate by December 31, 2011, including evidence of the customer's final inspection clearance from the governmental authority having jurisdiction over the generating facility.

[1] Pursuant to CPUC Decision 08-10-036, "The MASH Program is targeted at existing multifamily affordable housing that meets the definition of low-income residential housing set forth in Pub. Util. Code 2852. Specifically, this means multifamily housing financed with low-income housing tax credits, tax-exempt mortgage revenue bonds, general obligation bonds, or local, state or federal loans or grants. The housing must also meet the definition of low-income households in Health and Safety Code 50079.5 (p. 6). Under the MASH program, the portion of the system offsetting common area load would receive Track 1A incentives, and the portion offsetting tenant load would receive Track 1B incentives." (T)

[2] Pursuant to Public Resources Code 25401.6, to be eligible as a NSHP "affordable housing" means: (T)

a. In its administration of Section 25744, the Commission shall establish a separate rebate for eligible distributed emerging technologies for affordable housing projects including, but not limited to, projects undertaken pursuant to Section 50052.5, 50053, or 50199.4 of the Health and Safety Code. In establishing the rebate, where the Commission determines that the occupants of the housing shall have meters, the Commission may adjust the amount of the rebate based on the capacity of the system, provided that a system may receive a rebate only up to 75 percent of the total installed costs. The Commission may establish a reasonable limit on the total amount of funds dedicated for purposes of this section;

b. It is the intent of the Legislature that this section fulfills the purpose of paragraph (5) of subdivision (b) of Section 25744.

(Continued)

ELECTRIC SCHEDULE NEMVMASH Sheet 3

VIRTUAL NET ENERGY METERING FOR MULTIFAMILY AFFORDABLE HOUSING (MASH/NSHP) WITH SOLAR GENERATOR(S)

APPLICABILITY: (Cont'd.)

Network Grid Limitations – Portions of San Francisco and Oakland, where PG&E has a network grid, have generation export limitations. Customers seeking generator interconnections in San Francisco and Oakland must contact PG&E before beginning any work.

Account Types – Three types of Accounts in an Eligible Low Income Facility are covered by this tariff:

a. Generator Account– the Account(s) where the up to one megawatt solar photovoltaic generation (Solar Generating Facilities) are interconnected and for which the Eligible Low Income Facility owner or a party they designate ("Owner"), is the PG&E Customer. The Generator Account must have no load other than that required by the Solar Generating Facility itself and must not be included as part of a Common Area Account. For Solar Generating Facilities with storage, please see Special Condition 6[3]. (T)

b. Common Area Account– each load-only Account for a common area, if any, and for which the Owner is the PG&E Customer.

c. Residential Unit Account – each load-only account for a residential unit located in the Eligible Low Income Facility, and for which an occupant is the PG&E Customer.

The Generator Account(s), the Common Area Account(s), and the Residential Unit Accounts will be referred to collectively in this tariff as a "NEMVMASH Arrangement". Any Account that includes load, except one that includes only Solar Generating Facility load or as otherwise provided in NEMVMASH, is referred to as a "Load Account".

Owner Obligations – The Owner must:

a. comply with all applicable safety and performance standards as delineated in PG&E's Electric Rule 21 and other applicable tariffs, safety and performance standards established by the National Electrical Code, the Institute of Electrical and Electronics Engineers, and accredited testing laboratories such as Underwriters Laboratories and, where applicable, rules of the California Public Utilities Commission regarding safety and reliability. The Owner is solely responsible for the ongoing maintenance and operation of the Solar Generating Facility;

b. keep in force the amount of property, commercial general liability and/or personal liability insurance the Owner has in place at the time they initiate service on this tariff;

c. agree that PG&E may from time to time release to the California Energy Commission and/or the California Public Utilities Commission, information regarding the Eligible Low Income Facility, including the Owner's name, and Solar Generating Facility location, capacity and operational characteristics, and Customer names at the Residential Unit Accounts; AND

d. agree to comply with all applicable rules and requirements of PG&E's Net Energy Metering tariffs.

[3] Consistent with Decision (D.) 14-05-033, as modified by D.16-01-044, NEM paired storage may interconnect under this tariff subject to the metering and sizing requirements specified in D.14-05-033. (T)

(Continued)

ELECTRIC SCHEDULE NEMVMASH Sheet 15

VIRTUAL NET ENERGY METERING FOR MULTIFAMILY AFFORDABLE HOUSING (MASH/NSHP) WITH SOLAR GENERATOR(S)

SPECIAL CONDITIONS: (Cont'd.)

4. Net Surplus Electricity Compensation (NSC) (Cont'd):

(b) The **NSC Rate** – The NSC Rate is defined as the simple rolling average of PG&E's default load aggregation point (DLAP) price from 7 a.m. to 5 p.m., for a 12-month period. PG&E shall use the NSC Rate as the value of the electricity portion of its net surplus compensation rate.

PG&E will calculate the NSC Rate each month. It will be effective on the first day of that month and PG&E will use it in the NSC Calculation for any Net Surplus Generators with a Relevant Period completed in that month (True-Up Month).

The **DLAP Cutoff Date** will be defined as the twentieth (20th) day of the month prior to the True-Up Month.

PG&E will wait five (5) days after the DLAP Cutoff Date for the CAISO to have time to finalize the day-ahead PG&E DLAP prices. The NSC Rate will then be calculated as the simple average of the prices for all hours between 7 a.m. and 5 p.m. over a one (1) year period ending on the DLAP Cutoff Date.

(c) Pursuant to D. 11-06-016, PG&E includes a Renewable **Attribute Adder (RAA)** based on the California Energy Commission (CEC) implementation methodology.

Under the CEC's Renewables Portfolio Standard (RPS) Eligibility Guidebook[4], an ownership verification and tracking process is set forth for Renewable Energy Credits (RECs) created by Net Surplus Generators. (T)

PG&E will pay a Renewable Attribute Adder (RAA) for Net Surplus Electricity if the Net Surplus Generator completes Form 79-1155 -- *Schedules NEM, NEMV, NEMVMASH, Net Surplus Electricity (NSE) Renewable Energy Credits Compensation Form* which requires that each true-up a Net Surplus Generator confirm it or its REC aggregator has:

(1) certified ownership of Net Surplus Electricity Renewable Energy Credits associated with their Net Surplus Electricity;
(2) obtained certification for the Renewable Portfolio Standards (RPS) eligibility of the Electrical Generation Facility from the CEC and provide evidence of this certification to PG&E; and
(3) transferred the ownership of the WREGIS Certificates to PG&E.

The RAA will be calculated using the most recent Western Electricity Coordinating Council (WECC) average renewable premium, based on United States Department of Energy (DOE) published data as submitted via advice letter annually in compliance with Resolution E-4475 and Decision 11-12-018.

(d) Calculation of the NSC – NSC is calculated by multiplying any Net Surplus Electricity (kWh) by the NSC Rate in (b) and (c) above.

[4] The CEC RPS Eligibility Guidebook is available at: https://www.energy.ca.gov/programs-and-topics/programs/renewables-portfolio-standard (T) (T)

(Continued)

ELECTRIC SCHEDULE NEMVMASH Sheet 18

VIRTUAL NET ENERGY METERING FOR MULTIFAMILY AFFORDABLE HOUSING (MASH/NSHP) WITH SOLAR GENERATOR(S)

SPECIAL CONDITIONS: (Cont'd.)

7. Natural or Man-Made Disasters

NEMVMASH Transition Eligible Customers impacted by a Natural or Man-Made disaster[5] may request to resume service on this tariff from (i) the date of the issuance of their original pre-natural-or-man-made disaster "permission to operate" (PTO) letter until (ii) the date of the customer's first Energy True Up in the twenty first (21st) year. (T)

An Impacted Owner must:

(i) be in accordance with incentive program rules in effect at the time of submitting the interconnection application,

(ii) reapply for interconnection with a replacement system(s) sized (i) no larger than 1,000 kW and (ii) to generate no more than the 12 months of historic, or estimated usage (kWh), where the new NEMVMASH Arrangement is located on the same parcel(s) as the original NEMVMASH Arrangement, and

(iii) when reapplying for interconnection, submit proof of destruction of the renewable generator(s), if requested by PG&E.

When the Generator account(s) in the NEMVMASH Arrangement is impacted by a Natural or Man-Made Disaster, PG&E will true-up the NEMVMASH Arrangement pursuant to Special Condition 2.g., and Net Surplus Compensation will be issued, if any, pursuant to Special Condition 4 up to the date of the Natural or Man-Made disaster. If the Generator Account(s) is not impacted while one or more of the Load Accounts are, a True-Up will only occur for the impacted accounts, and PG&E will continue to bill the remaining[6] Load Accounts on NEMVMASH, unless requested by the Owner. Any other Owner-requested changes to the NEMVMASH Arrangement beyond being impacted by a Natural or Man-Made Disaster will be in accordance with Special Condition 2.b. (T)

The intervening period from destruction of the generator(s) to permission to operate (PTO) of the replacement generator(s) must be no longer than two years, unless reasonable documentation acceptable to PG&E is provided showing that the new interconnection is in process.

Although, the initial five-year period for fixed allocation described in Special Condition 2.b. does not pause, the ratio of the percentage of Annual Solar Energy Credits allocated to the Common Area Account(s) versus the Residential Unit Accounts on the new NEMVMASH Arrangement must be at least the same as the original NEMVMASH Arrangement. This requirement does not apply if the five-year period has expired prior to the reapplication process, unless otherwise specified by incentive program rules.

[5] Natural or man-made disasters includes such events as a fire, earthquake, flood, or severe storms. (T)

[6] PG&E will proactively bill the remaining benefitting accounts on NEMVMASH when there are at least two benefitting accounts. When only benefitting accounts are impacted, Owners do not need to submit an interconnection application to enact this provision, unless requested by PG&E. (T)

(Continued)

ELECTRIC RATE SCHEDULE RES-BCT Sheet 1

SCHEDULE FOR LOCAL GOVERNMENT
RENEWABLE ENERGY SELF-GENERATON BILL CREDIT TRANSFER

see
APPLICABLITY: This schedule is applicable to an eligible "Local Government" with one or more "Eligible Renewable Generating Facilities" each totaling no more than five megawatts in capacity where any exported energy will be credited to "Benefiting Accounts" of the same Local Government, as described in Public Utilities (PU) Code Section 2830 and in this tariff. To be eligible, the customer must be a "Local Government", defined as a city, county, whether general law or chartered, city and county, special district, school district, political subdivision, or other local public agency, or a joint powers authority (JPA) formed pursuant to the Joint Exercise of Powers Act (Chapter 5 (commencing with Section 6500) of Division 7 of Title 1 of the Government Code) that has as members public agencies located within the same county and same electrical corporation service territory, if authorized by law to generate electricity, but shall not mean the state or any agency or department of the state, other than an individual "Campus" (defined as an individual community college campus, individual California State University campus, or individual University of California campus) of the University of California or the California State University, or any JPA that has as members public agencies located in different counties or different electrical corporation service territories, or that has as a member the federal government, any federal department or agency, California or another state, or any department or agency of California or another state. The Local Government must have a "Arrangement" (defined as a Local Government's Generating Account(s) along with the designated Benefiting Accounts that will be receiving the allocated export credits) with one or more designated electric accounts each of which: (T)

1. is located within the geographical boundary of the same Local Government, or, for a campus, within the geographical boundary of the city or city and county, if the campus is located in an incorporated area, or county, if the campus is located in an unincorporated area, as is mutually agreed upon by the same Local Government and PG&E;

   belongs to a member of a JPA and is located within the geographical boundaries of the group of public agencies that formed the JPA, and the eligible renewable generating facility and the electricity account or accounts are all wholly located within the confines of a single county within which the JPA is located, and electric service is provided by PG&E, with the account or accounts being mutually agreed upon by the JPA and PG&E;

   and

2. is owned, operated, or on property leased by or under the control of the same Local Government;

3. takes service on a bundled, time-of-use (TOU) rate schedule; and

4. is located in PG&E's service territory and receives electric service from PG&E;

and where at least one account is a "**Generating Account**" with an "**Eligible Renewable Generating Facility**" that:

1. is interconnected with PG&E's Electric System;

2. meets the definition of an "eligible renewable energy resource" pursuant to the California Renewables Portfolio Standard Program as is defined in Public Utilities Code Section 399.12 (e);

(Continued)

ELECTRIC RULE NO. 1 Sheet 13
DEFINITIONS

ELECTRIC SERVICE PROVIDER: See "Energy Service Provider."

ELECTRONIC BILLING: A billing method whereby at the mutual option of the Customer and PG&E, the Customer elects to receive, view, and pay bills electronically and to no longer receive paper bills.

ELECTRONIC PRESENTMENT: When made available or transmitted electronically to the Customer at an agreed upon location.

EMERGENCY CONSUMER PROTECTION PLAN: Pursuant to CPUC directives and advice letters listed below, residential and non-residential customers in areas where a state of emergency proclamation is issued by the California Governor's Office or the President of the United States due to a disaster that affects utility services are eligible for applicable measures under PG&E's Emergency Consumer Protection Plan.

The Emergency Consumer Protection Plan includes:

Measure for Impacted[7] Customers. (T)

- Stop estimated usage for billing attributed to the period account was unoccupied due to disaster* (Electric Rule 9).
- Offer favorable payment plan as needed to impacted customers, including customers with employment impacted by a disaster† (Electric Rule 11).
- Offer Low income support measures† (Electric Rule 19.1, 19.2 and 19.3).

Additional Emergency Measure for Red-Tagged[8] Customers. (T)

- Discontinue billing and prorate the minimum delivery charges* (Electric Rule 9).
- Suspend disconnections for non-payment† (Electric Rule 11).
- Waive reconnection fees and return check fees† (Electric Rule 11).
- Waive security deposit for reestablishment of service† (Electric Rule 6).
- Expedite move-in and move-out service requests.‡
- Ability to reestablish service under a prior rate schedule as long as the rate schedule is still available and has not been retired‡ (Electric Rule 12).
- Waive cost of installation and removal of service extensions for temporary Service‡ (Electric Rule 13).

[7] Impacted customers live within 2 miles of the fire-impacted perimeter as designated by CAL FIRE. (T)
[8] Red-tagged customers have homes or businesses that are unserviceable because of the disaster. (T)
* On a one-time per event basis.
† For 12 months from the date the Governor issues state of emergency proclamation.
‡ For 12 months from the date the Governor issues state of emergency proclamation and until services are restored (once permanent electric or gas meter is installed/set).

(Continued)

ELECTRIC RULE NO. 21 Sheet 261
GENERATING FACILITY INTERCONNECTIONS

Appendix A (Cont'd.)
Forms Associated with Rule 21
Generating Facility Interconnections

Form Number	Title	Associated Tariffs	Use Guidance
Export for Sale Interconnection Forms			
79-1145	Rule 21 Exporting Generator Interconnection Request	Rule 21	Preferred online application: https://www.pge.com/en_US/large-business/services/alternatives-to-pge/electric-generation-interconnection.page (T)
79-1197	Local Government Renewable Energy Self-Generation Bill Credit Transfer (RES-BCT) Re-Allocation Request	RES-BCT	Use to establish RES-BCT benefiting account re-allocations
79-1198-02	Interconnection Agreement For Net Energy Metering (NEM2) And Renewable Electrical Generating Facility Sized Greater Than 1,000 Kw	NEM2	FT and Detailed Study Interconnection Agreement for >1MW NEM2 Generating Facilities
79-1200	Rule 21 Generator Interconnection Agreement For Exporting Generating Facilities	Rule 21	FT and Detailed Study Interconnection Agreement for Exporting Generating Facilities
Other Agreements			
79-280	Agreement for Installation of Allocation of Special Facilities for Parallel Operation of Non-Utility-Owned Generation and/or Electrical Standby Service (Electric Rules 2 and 21)	Rule 21	Special Facilities Agreement to be used with Form 79-702
79-702	Appendix A: Detail of Special Facilities Charges to be used in concert with form 79-280	Rule 21	Used with Form 79-280

*** The application section of these forms is replaced by 79-1174.
**** For NEMA expanded customers, use the online 79-1174 form.

(Continued)

ELECTRIC RULE NO. 28 Sheet 1
MOBILEHOME PARK UTILITY UPGRADE PROGRAM

A. PURPOSE: Pursuant to the California Public Utilities Commission's (CPUC or Commission) Decision (D.)14-03-021, Resolution E-4878, and Resolution E-4958. PG&E is offering the Mobilehome Park Utility Upgrade Program ("MHP Program") as a voluntary living pilot program to convert eligible master-metered submetered Mobilehome Parks or Manufactured Housing Communities (MHP) spaces within PG&E's service territory. The MHP Program will conclude the earlier date of December 31, 2021 or the issuance of a Commission Decision for the continuation, expansion or modification of the program. Subject to the requirements set forth in this Rule and the program extension limitations set forth in Ordering Paragraph 2 of Resolution E-4958, all eligible submetered spaces (including both "To-the-Meter" and "Beyond-the-Meter"), and common use services within the entire MHP will be converted from master-metered electric distribution service to direct PG&E distribution and service (Distribution System).

B. APPLICABILITY: The MHP Program is available to all eligible MHPs within PG&E's service territory as defined in Section C. Within the eligible MHPs, the only eligible Mobilehome spaces are those permitted by the California Department of Housing and Community Development (HCD) or its designated agency. Recreational vehicle parks and spaces are not eligible for the MHP Program.

C. PROGRAM ELIGIBILITY:

1. MHPs must meet all of the following criteria to be eligible for the MHP Program. Program eligibility does not guarantee acceptance into the program, nor does it guarantee conversion to direct service from PG&E.

   a. Receives electricity through a utility owned master-meter, owns and operates the distribution system with at least a natural gas or electric associated sub-meters, and furnish electricity to residents. In cases where only one service is submetered the submetered service must be served by an Investor Owned Utility participating in the MHP Program.
   b. Take electric service under Electric Schedule ET. (T)
   c. Operate under a current and valid license from the governmental entity with relevant authority.
   d. If operated on leased real property, the land lease agreement must continue for a minimum of 20 years from the time that the MHP Agreement is executed by PG&E.
   e. Not be subject to an enforceable condemnation order and/or to a pending condemnation proceeding.

(Continued)

ELECTRIC RULE NO. 9 Sheet 4
RENDERING AND PAYMENT OF BILLS

F. CLOSING BILL PAYABLE ON PRESENTATION

Closing bills are due upon presentation. Before service will be connected or reconnected, PG&E may require payment of all outstanding bills, including deposits, special bills or reconnection fees.

G. BUDGET BILLING

Residential and small commercial customers whose energy is supplied and billed by PG&E on Rate Schedules: E-1, E-6, EM, ES, ESR, ET, E-TOU, E-TOU-C, E-TOU-D, EM-TOU, EV, EV2, A-1, A-6, B-1, B-6 and BEV-1 and wish to minimize variations in monthly bills, may elect to participate in the Budget Billing plan. Qualifying California Alternate Rates for Energy (CARE) customers taking service on the above rate schedules in conjunction with Schedule D-CARE may also elect to participate in the Budget Billing plan. This plan is detailed as follows: (T)

1. A Customer can join the plan in any month of the year. The plan will remain in effect until it is terminated by PG&E or the customer.

2. Participation is subject to approval by PG&E.

3. Meters will be read and billed at regular intervals.

4. Customers will be expected to pay the Budget Billing amount shown due.

5. The Budget Billing amount will be one-twelfth of the annual bill as estimated by PG&E, based on the customer's historical billings for the most recent year at the time of the calculation, or, if that is not available, the usage pattern of either the premises comparable customers similarly situated.

6. Budget Billing amounts will be reviewed at least three times a year and adjusted no more than three times in a year if required to reduce the likelihood of a large imbalance between actual charges and Budget Billing charges. Customers will be notified on their bill of any change in the Budget Billing amount.

7. Participants are subject to removal from the plan and subject to termination of service if a bill containing a prior unpaid Budget Billing amount becomes delinquent as defined in Rule 11.

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SB	Standby Service	45639,45640,46598,46599,46600,45644,45645,45646,45647, 45648,45649,45650,45651,46601,45653,45654,45655-E
E-BioMAT	Bioenergy Market Adjusting Tariff	43634,43635,41023,43636,43637,43638*, 43639,37749,37750,37751,41026,37753, 37754,42211,37756,41027,41028,41029, 43640,41030,46100,37763,43641-E
E-CHP	Combined Heat and Power PPA	30809,30810,30811,30812, 30813-E
E-CHPS	Combined Heat and Power Simplified PPA	30814,30815,30816, 30817-E
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E-DCG	DCG Departing Customer Generation, CG	36593,36594,37148, 42115,32514,36595,36596,23252*,23253,28405,23255-E
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E-GT	Green Tariff (GT) Program	45682,46529,46530,46531,46532,46533-E
E-NMDL	New Municipal Departing Load	27453,32097,32098,32099, 29557,29558-,29559, 29560,29561,29562,29563,29564-E
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E-SDL	Split-Wheeling Departing Load	28588,28589,28867,28868,27459, 27460,27461,27462,27463, 27464-E
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E-TMDL	Transferred Municipal Departing Load	27465,28869,28870, 35227,28961,30659,28608,25887,25888,25889,25890,25891-E
NEM	Net Energy Metering Service	37636,36352,**47170**,35636, 44459,37638,37639,37640,36562,36563,36564,**47171**,33909*,33910*, 37641,33912*,33913*,35643,**47172**,35276,35644,36599,35489,35645,35646, 43186*,45716,45717,45718,45719,45720,**47173**,45722,45723-E (T)
NEM2	Net Energy Metering Service	42929,**47174**,42930,37798,46378,42931,42932,42933, 42934,42935,42936,42937,45725,42938,**47175**,37810,42939,38161, 38162,42940,**47176**,37816,42941,38165,37819,42942,**47177**,**47178**,45729, 45730,45731,45732,**47179**,45734,45735,45736,45737,45738,45739,**47180**-E (T)
NEMFC	Net Energy Metering Service For Fuel Cell Customer-Generators	37770,38187,37772,37773, 37774,37775,32446,32447,37824,38231-E
NEMBIO	Net Energy Metering Service for Biogas Customer-Generators	30791,27254,27255, 26140,27256,26142,27257,26144,37823-E
NEMCCSF	Net Energy Metering Service for City and County of San Francisco	28176,28177, 28178,28179-E
NEMV	Virtual Net Metering for a Multi-Tenant or Multi-Meter Property Served at the Same Service Delivery Point	42055,42056,**47184**,31549,32806, 31551,33921,31553,42058,42059,31556,31557,31558,36565,31560, 42060,36566,32807,42061,31565,42062,33216,42063,44523-E (T)

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NEMVMASH	Net Energy Metering – Virtual Net Energy Metering	**47185**,33922*,**47186**,44525, 33924,33925,31630,36567,31632,31633,36568, 31635,44526,31637,**47187**,31639,42066,**47188**,44528-E	(T) (T)
NEM2VMSH	Virtual Net Energy Metering For Multifamily Affordable Housing (MASH/NSHP) With Solar Generator(s)	44518,42595,44519,37850,46197,42598,38176,38177,42599, 42600,38178,37858,37859,37860,44520,38179,37863,42053,44521,44522-E	
NEM2VSOM	Virtual Net Energy Metering Solar on Multifamily Affordable Housing (SOMAH) Properties	42116,42117,42118,42119,42120,42668,**47183**,42123,42124, 42125,42126,42127,42128,46740,42130,42131,42132,42133-E	(T)
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RES-BCT	Schedule for Local Government Renewable Energy Self-Generation Bill Credit Transfer	**47189**,37783,37784,37785,37786, 37787,37788,37789,37790-37791-E E	(T)
E-OBF	On-Bill Financing Balance Account (OBFBA)	44030, 44031, 44032-E	
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PEVSP	Plug-In Electric Vehicle Submetering Pilot – Phase 1	40158,35261,34249,40159,35263-E	
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79-1014	Direct Access Customer Relocation Declaration	**47112**-E	(T)
79-1116	Customer Assignment Notification	**47119**-E	(T)
79-1117	Six Month Notice to Transfer to Direct Access Service	42820-E	
79-1148	Direct Access Customer Replacement Declaration	**47129**-E	(T)
	Sample Forms Rule 24 Direct Participation Demand Response		
79-1152	Customer Information Service Request For DRP (CISR-DRP)	**47131**-E	(T)
79-1160	Demand Response Provider (DRP) Service Agreement	35843-E	
	Sample Forms Rule 27.1 Access to Energy Usage and Usage-Related Data While Protecting Privacy of Personal Data		
79-1166	Non-Disclosure Agreement	42834-E	
79-1167	Local Governments Terms of Service Acceptance Agreement	42835-E	

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ELECTRIC TABLE OF CONTENTS Sheet 27

FORM	TITLE OF SHEET	CAL P.U.C. SHEET NO.	
	Sample Forms Net Energy Metering		
79-978	Interconnection Agreement for NEM of Solar or Wind Electric Generating Facilities 1,000 kW or less, other than Residential or Small Commercial Facilities of 10 kW or Less	41147-E	
79-978-02	Interconnection Agreement for Net Energy Metering (NEM2) of Solar or Wind Electric Generating Facilities of 1,000 Kilowatts or Less, Other than Facilities of 30 Kilowatts or Less	41148-E	
79-997	Interconnection Agreement for Net Energy Metering of Biogas Digester Generating Facilities	32121-E	
79-999	Agreement for Limited Optional Remote Metering Service	32123-E	
79-1010	Interconnection Agreement for Net Energy Metering of Fuel Cell Generating Facilities	45531-E	
79-1069	Generating Facility Interconnection Agreement (Eligible/Non-Eligible Net Generating Facility Export)	**47113**-E	(T)
79-1069-02	Generating Facility Interconnection Agreement (Multiple Tariff NEM2MT)	**47114**-E	(T) (D)
79-1109	Net Energy Metering Application and Interconnection Agreement for the Building Owner of a Multifamily Affordable Solar Housing Facility with a Solar Generating Facility of 1 Megawatt or Less	**47117**-E	(T)
79-1109-02	NEM2VMSH Virtual NEM Application and Interconnection Agreement for the Building Owner of Multifamily Affordable Housing with a Solar Generating Facility of 1 Megawatt or Less	**47118**-E	(T)
79-1114	NEM 2010 Early True-up Request Form	28929-E	
79-1124	Eligible Low Income Development Virtual NEM Application and Interconnection Agreement for Multi-Family Affordable Housing with Solar Generation Totaling 1 Megawatt or Less	**47120**-E	(T)
79-1124-02	Eligible Low Income Development Virtual NEM (NEM2VMSH) Application and Interconnection Agreement for Multifamily Affordable Housing with Solar Generation Totaling 1 MW or Less	**47121**-E	(T)
79-1125	NEM / NEMVMASH Inspection Report	**47122**-E	(T)
79-1130	Customer Request Form not to Receive Net Surplus Compensation	45540-E	
79-1131	NEMV Application and Interconnection Agreement for an Eligible Generating Facility of 1MW or Less Serving Multiple Tenants	**47123**-E	(T)
79-1131-02	NEM2V Application and Interconnection Agreement for a Solar (PV) or Wind Generating Facility of 1 MW or Less	**47124**-E	(T)
79-1137	Interconnection Agreement for Net Metering for a Renewable Electrical Generation Facility of 1,000 Kilowatts or Less	**47125**-E	(T)
79-1137-02	Interconnection Agreement for Net Energy Metering (NEM2/NEM2V) for a Renewable Electricity Generation Facility of 1,000 Kilowatts or Less, Except Solar or Wind	**47126**-E	(T)
79-1142	NEMV Interconnection Application for a Renewable Electrical Generation Facility of 1 Megawatt or Less	**47127**-E	(T)
79-1151A	Agreement and Customer Authorization – Net Energy Metering Interconnection For Solar And/Or Wind Electric Generating Facilities Of 30 Kilowatts Or Less	45543-E	
79-1151A-02	Agreement And Customer Authorization - Net Energy Metering (NEM2) Interconnection For Solar And/Or Wind Electric Generating Facilities Of 30 Kilowatts Or Less	**47130**-E	(T)
79-1151B	Application – Net Energy Metering Interconnection For Solar And/Or Wind Electric Generating Facilities Of 30 Kilowatts Or Less	43181-E	
79-1151B-02	Application - Net Energy Metering (NEM2) Interconnection For Solar And/Or Wind Electric Generating Facilities Of 30 Kilowatts Or Less	43182-E	
79-1153	NEM Load Aggregation Appendix	35490-E	
79-1153-02	NEM2A Load Aggregation Appendix	36336-E	
79-1155	Schedules NEM, NEMV, NEMVMASH, NSE Renewable Energy Credits Compensation	42831-E	
79-1155-02	Schedules NEM2, NEM2V, NEM2VMSH, Net Surplus Electricity (NSE) Renewable Energy Credits Compensation	42832-E	
79-1189	Eligible Low Income Development Virtual Net Energy Metering (NEM2VMSH) Interconnection Agreement for Multifamily Affordable Housing with Solar Generation Totaling 1 MW or Less	42040-E	

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ELECTRIC TABLE OF CONTENTS Sheet 28

FORM	TITLE OF SHEET	CAL P.U.C. SHEET NO.
	Sample Forms **Net Energy Metering**	
79-1190	Virtual Net Energy Metering (NEM2V) Interconnection Agreement for a Solar (PV) or Wind Generating Facility of 1 MW or Less	42041-E
79-1192	Interconnection Agreement for Non-Export Storage Generating Facilities 500KW or Less	42297-E
79-1193	Agreement and Customer Authorization Net Energy Metering Interconnection for Solar and/or Wind Electric Generating Facilities of 30 Kilowatts or Less Paired with Energy Storage of 10 Kilowatts or Less	41144-E
79-1193-02	Agreement and Customer Authorization Net Energy Metering (NEM2) Interconnection for Solar and/or Wind Electric Generating Facilities of 30 Kilowatts or Less Paired with Energy Storage of 10 Kilowatts or Less	41145-E
79-1193	Agreement and Customer Authorization Net Energy Metering Interconnection for Solar and/or Wind Electric Generating Facilities of 30 Kilowatts or Less Paired with Energy Storage of 10 Kilowatts or Less	45549-E
79-1195	Eligible Low Income Development Virtual Net Energy Metering (NEMVMASH) Interconnection Agreement for Multifamily Affordable Housing with Solar Generation Totaling 1 MW or Less	42042-E
79-1196	Virtual Net Energy Metering (NEMV) Interconnection Agreement for Solar (PV) or Wind Generation Totaling 1 MW or Less	42043-E
	Sample Forms Street, Highway, and Area Lighting	
79-938	Customer-Owned Streetlights Pacific Gas and Electric Company Pole Contract Agreement	33010-E
79-1105	Agreement for Unmetered Electric Service to Seasonal Lighting Loads Connected to Festoon Outlets on Pacific Gas and Electric Company's Street Light Facilities	45538-E
79-1007	Request to Install or Energize Street Light Schedule: LS-1, LS-2 and OL-1. Energy Billing Information for Initial and Subsequent Installations	42806-E
79-1008	Request to De-Energize or Remove Street Light Schedule: LS-1, LS-2 and OL-1 Energy Billing Information	42807-E
79-1048	Agreement for Unmetered Low Wattage Equipment Connected to Customer-Owned Street Light Facilities	45533-E
79-1048A	Agreement for Unmetered Low Wattage Equipment Connected to Customer-Owned Street Light Facilities	45534-E
79-1078	Attachment A to Agreement for Unmetered Electric Service to Wireless Devices Energized by Connection to Pacific Gas and Electric Company Street Light Facilities	33022-E
79-1177	Special Contract for Unmetered Service Agreement for Energy Use Adjustments for Network Controlled Dimmable Streetlights - 2014 Pilot Program	35790-E
	Sample Forms Commercial, Industrial, and Agricultural	
79-759	Supplemental Agreement for As-Available Capacity	32488-E
79-1111	Optimal Billing Period Service Election Form	46144-E
79-1154	Agreement for Economic Development Rate on Electric Service	45544-E
	Sample Forms Standby	
79-285	Special Agreement for Electrical Standby Service (Schedule S)	45551-E
79-726	Electric Standby Service Log Sheet (Schedule S)	**47138**-E (T)
79-1110	Reactive Demand Charge Exemption Form (Schedule S)	42817-E
79-1188	Special Agreement for Retail Storage Station Service for In Front of the Meter Applications	45548-E

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ELECTRIC TABLE OF CONTENTS Sheet 29

FORM	TITLE OF SHEET	CAL P.U.C. SHEET NO.	
	Sample Forms Miscellaneous		
62-0562	Gas & Electric Facilities Transfer Agreement – Declaration	33004-E	
62-0579	Design / Construction Change Order Request	32102-E	
62-4501	Absolving Service Agreement	32110-E	
62-4527	Agreement to Perform Tariff Schedule Related Work	46339-E	
62-4778	Cancellation of Contract	34616-E	
79-847	Transmission Load Operating Agreement	32116-E	
79-861	Electric Data Interchange (EDI) - Trading Partner Agreement	33008-E	
79-936	Deed of Conveyance	33009-E	
79-937	Assignment Agreement	32490-E	
79-954	Departing Load Competition Transition Charge Agreement	33011-E	
79-955	Amendment to PG&E's Departing Load Competition Transition Charge Agreement for Subsequently Obtained CTC Exemption	33012-E	
79-957	Electric Distribution Service Line Lease Agreement	32119-E	
79-961	Dual Socket Metering Agreement	35418-E	
79-1039	Rate Schedule Selection Customer Agreement	46143-E	
79-1102	Section 399.20 Power Purchase Agreement	**47115**-E	(T)
79-1103	Small Renewable Generator Power Purchase Agreement	**47116**-E	(T)
79-1104	Bill Calculation Service Agreement	33024-E	
79-1172	Bioenergy Market Adjusting Tariff Power Purchase Agreement	46099-E	
79-1187	Bioenergy Market Adjusting Tariff Program (BioMAT Program) - Fuel Resource Attestation	37766-E	

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ELECTRIC TABLE OF CONTENTS Sheet 30

FORM	TITLE OF SHEET	CAL P.U.C. SHEET NO.
	Sample Forms Miscellaneous (Cont'd)	
79-1075	Notice to Add or Delete Customers Participating in the Capacity Bidding Program	42640**-E
79-1076	Agreement for Aggregators Participating in the Capacity Bidding Program	46307-E
79-1120	Standard Contract for Eligible CHP Facilities	30818-E
79-1121	Power Purchase and Sales Agreement - Contract For Eligible CHP Facilities with Net Output of Not Greater Than 5 MW	42821-E
79-1126	Off-Bill and On-Bill Financing Loan Agreement for Self-Installed Projects	32500-E
79-1127	Agreement to Perform Tariff Schedule Related Work, Rule 20A General Conditions	42822-E
79-1128	Affidavit in Support of Customer Claim as Qualifying as a Small Business Customer under Government Code Section 14837*	43950-E
79-1138	Power Purchase and Sale Agreement - Contract For Eligible CHP Facilities with Power Rating of Less Than 500 KW	42824-E
79-1141	Agreement for Schedule A-15 Fixed Usage Estimate	33683-E
79-1143	California State Government Customers On-Bill Financing Loan Agreement	32501-E
79-1147	Authorization or Revocation of Authorization to Receive Customer Usage Information	42826-E
79-1149	Election to Withdraw From the Capacity Bidding Program Form	42828-E
79-1150	Renewable Market Adjusting Tariff Power Purchase Agreement	45535-E
79-1156	Authorization To Add Loan Charges To Utility Bill (Residential)	35611-E
79-1157	Authorization To Add Loan Charges To Utility Bill (Non-Residential)	35612-E
79-1158	Electric Vehicle Submetering Meter Data Management Agent (MDMA) Registration Agreement	35264-E
79-1159	Electric Vehicle Submetering Pilot (Phase 1) Customer Enrollment Agreement	45545-E
79-1170	Authorization to Add MCE Loan Charges to Utility Bill	35485-E
79-1171	Authorization to Add MCE Storage Charges to Utility Bill	35099-E
79-1172	Bioenergy Market Adjusting Tariff Power Purchase Agreement	43644-E
79-1173	Energy Efficiency Financing Pilot Programs Authorization or Revocation of Authorization to Release Customer Information	42836-E
79-1178	Plug-In Electric Vehicle Submetering Pilot Phase 2 Submeter MDMA Registration Agreement	37699-E
79-1179	Plug-In Electric Vehicle Submetering Pilot Phase 2 Single Customer-of-Record Enrollment Agreement	45546-E
79-1180	Plug-In Electric Vehicle Submetering Pilot Phase 2 Multiple Customer-of-Record Enrollment Agreement	45547-E
79-1186	Share My Data Customer Authorization or Revoction of Authorization Form	**47134**-E
79-1187	Bioenergy Market Adjusting Tariff Program (BioMAT Program) - Fuel Resource Attestation	37766-E
79-1205	Gift Payment Form	46803-E

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FORM	TITLE OF SHEET	CAL P.U.C. SHEET NO.
	Sample Forms **Operations Notices**	
62-3010	Hazard Notice	32518-E
62-3531	Service Report	43277-E

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Advice 4295-G/5920-E
August 18, 2020

Attachment 2

Redline Tariffs

For convenience of the reader, PG&E has included redline revisions in Attachment 2. Where Sample Forms have been revised, the entire Sample Form is included in Attachment 1 (clean version), but the redline version in Attachment 2 only includes the pages where the modification has occurs, and excludes pages of the form where only the advice letter number and date has been updated within the footer of the page.

Gas Sample Form No. 62-0683 Sheet 1
Application for Service -- Residential Single Family Dwelling

Please Refer to Attached
Sample Form

APPLICATION FOR SERVICE
RESIDENTIAL SINGLE FAMILY DWELLING[1]

Please complete this application and submit the completed form to PG&E Application for Service at P.O. Box 24047, Fresno, CA 93706-2010. You may also submit applications at http://www.pge.com/cco ~~http://www.pge.com/my_home/customerservice/other/newconstruction/~~ *or call 1-877-PGE-SRVC.*

**Indicates optional fields.*

Project Information

☐ Gas Service ☐ Electric Overhead Service ☐ Electric Underground Service Date Initial Service Needed_____

Project Address or Lot Number_____ City_____ County_____ Zip_____

Single Family Dwelling☐ Multiple Lots☐ *Assessor's Parcel_____ *Building Permit_____

Nearest Cross Street_____

Applicant / Company Name_____

☐ Individual ☐ Partnership ☐ Corporation ☐ Limited Liability Corporation ☐ Governmental Agency ☐ Sole Proprietor

☐ Other_____

Day Phone (_____)_____ *Cell Phone (_____)_____ *Fax (_____)_____ *Email address_____
(Correspondence will be sent via e-mail)

Applicant Address_____ City_____ State_____ Zip_____

Contract Information

Legal Name to appear on contract_____

☐ Individual ☐ Partnership ☐ Corporation ☐ Limited Liability Corporation ☐ Governmental Agency ☐ Sole Proprietor

☐ Other_____

*State of incorporation or LLC_____

Name of person authorized to sign contracts_____ *Title _____
(First Name, Middle Initial, Last Name)

Mailing address for contract _____ City_____ State_____ Zip_____

Representative Information **(Party who will relay project information and updates to the PG&E representative)**

Name of Representative

Day Phone (_____)_____ *Cell Phone (_____)_____ *Fax (_____)_____ *Email address_____

Mailing address _____ City_____ State_____ Zip_____

*Contractor's Name_____ *Contractor's Phone (_____)_____

Credit Information **(Party responsible for energy use after the meter is installed)**

Name/Company Name to appear on bill_____ Day Phone (_____)_____ *Evening Phone (_____)_____
(First Name, Middle Initial, Last Name)

☐ Individual ☐ Partnership ☐ Corporation ☐ Limited Liability Corporation ☐ Governmental Agency ☐ Sole Proprietor

☐ Other_____

Mailing address _____ City_____ State_____ Zip_____

*Does the customer currently have service with PG&E? ☐ No ☐ Yes

[1]Automated Document – Preliminary Statement Part A

*If yes, please provide the PG&E Account Number _____

*Do you want the new service included on your existing bill? ☐ No ☐ Yes

*Desired Electric Rate Schedule _____ *Desired Gas Rate Schedule _____

If you want additional information on rate options or want to request a free rate analysis, visit http://www.pge.com/myhome/myaccount/rateinfo/ or calling 1-877-PGE-SRVC. If a rate schedule is not selected, PG&E will select an applicable rate schedule.

Application and Design and Installation Options

As an applicant for new gas or electric service, you can choose either PG&E or a qualified contractor to design new gas/electric distribution and/or service facilities. You can also choose either PG&E or a qualified contractor to construct all or a portion of new gas/electric distribution and/or service facilities. PG&E will provide you with a bid for the design and the construction work, to assist you in making a selection. You will then have the opportunity to choose either a qualified contractor to perform the design/or construction work.
In accordance with PG&E's filed tariffs, electric trenching, conduits, substructures and gas service trenching are the applicant's responsibility. Once you make a decision about who will perform the work, if you subsequently change your selection, you will be responsible for any re-engineering charges incurred as a result of that change.

You should become familiar with the applicant design installation requirements, including PG&E's Applicant Design Guide and General Terms and Conditions, before you make your selection. For copies of these documents and/or for additional information, visit http://www.pge.com/cc~~www.pge.com/newconstruction/processguide/step1/appdes.shtml~~ or request information by calling 1-877-PGE-SRVC.

PG&E must provide project specific information to design contractors. PG&E can provide this information sooner if we know whether or not you are considering using a design contractor to design gas/electric distribution or service facilities.

Providing this information on this Application is voluntary and is not binding. PG&E will provide you with a bid for the design work regardless of whether or not you answer this question now and will not require a final decision from you until later in the process.

Are you currently planning to use a design contractor? ☐ No ☐ Yes

Construction Information

**Please note if you have selected "Electric Overhead Service" without "Gas Service" all trench related questions become optional fields.

Joint trench drawing to be prepared by: ☐ Applicant ☐ PG&E ☐ Not required

Who will trench and backfill for the distribution facilities? ☐ Applicant / Elec ☐ PG&E / Elec ☐ Date Joint Trench Required _____

Proposed distribution trench occupants or joint pole occupants: (check all that apply) ☐ Electric ☐ Gas ☐ Phone ☐ CATV

☐ Other _____

Who will install distribution conduit and substructures? ☐ Applicant ☐ PG&E

Who will trench and backfill for the service facilities? ☐ Applicant / Gas ☐ PG&E / Gas ☐ Date Joint Trench Required _____

☐ Applicant / Elec ☐ PG&E / Elec

Proposed service trench occupants or joint pole occupants: (check all that apply) ☐ Electric ☐ Gas ☐ Phone ☐ CATV

☐ Other

Who will install service conduit and substructures? ☑ Applicant ☐ PG&E

*Transformer type requested: ☐ Padmounted ☐ Subsurface (additional Special Facilities charges may apply)

Water, sanitary sewer, storm drain, low pressure gas, oil or other fluid carrying piping or facilities or private utilities (e.g. fire alarm, private streetlight systems, private phone, private CATV or gate controllers) are not permitted in a PG&E occupied joint trench.

[1]Automated Document – Preliminary Statement Part A

Gas Sample Form No. 62-0684 Sheet 1
Application for Service -- Residential Subdivision/Development

Please Refer to Attached
Sample Form

APPLICATION FOR SERVICE
RESIDENTIAL SUBDIVISION / DEVELOPMENT

Please complete this application and submit the completed form and attachments to PG&E Application for Service at P.O. Box 24047, Fresno, CA 93706-2010. You may also submit applications at ~~http://www.pge.com/myhome/customerservice/other/newconstruction/~~ http://www.pge.com/cco or call 1-877-PGE-SRVC.
** Indicates optional fields.*

Project Type

☐ Build-Out (Production) Subdivision ☐ Apartments ☐ Zero Lot Line

☐ Condominiums ☐ Lot Sale Number of lots / units

Project Information

☐ Gas Service ☐ Electric Overhead Service ☐ Electric Underground Service Date Initial Service Needed

Project Name *Tract Number

Project Address /Location City County Zip

Nearest Cross Street

Applicant / Company Name

☐ Individual ☐ Partnership ☐ Corporation ☐ Limited Liability Corporation ☐ Governmental Agency

☐ Sole Proprietor ☐ Other

Day Phone( ) *Cell Phone ( ) *Fax ( ) *Email address
(Correspondence will be sent via e-mail)

Applicant Mailing Address City State Zip

Trench start date Date you will begin construction (grading) Trench completion date

Contract Information

Legal Name to appear on contract

☐ Individual ☐ Partnership ☐ Corporation ☐ Limited Liability Corporation ☐ Governmental Agency

☐ Sole Proprietor ☐ Other

*State of incorporation or LLC

Name of person authorized to sign contracts *Title
(First Name, Middle Initial, Last Name)

Mailing address for contract City State Zip

Representative Information (Party who will relay project information and updates to the PG&E representative)

Name of Representative

Day Phone ( ) *Cell Phone ( ) *Fax ( ) *Email address

Mailing address City State Zip

*Contractor's Name *Contractor's Phone

Pacific Gas and Electric Company

APPLICATION FOR SERVICE
RESIDENTIAL SUBDIVISIONS / DEVELOPMENT

Credit Information (Party responsible for energy use after the meter is installed)

Name to appear on bill Day Phone( ) *Evening Phone ( )
(First Name, Middle Initial, Last Name)

☐ Individual ☐ Partnership ☐ Corporation ☐ Limited Liability Corporation ☐ Governmental Agency ☐ Sole Proprietor

☐ Other

Mailing address for bill City State Zip

*Does the customer currently have service with PG&E? ☐ No ☐ Yes

*If yes, please provide the PG&E Account Number

*Do you want the new service included on your existing bill? ☐ No ☐ Yes

*Desired Electric Rate Schedule *Desired Gas Rate Schedule

If you want additional information on rate options or want to request a free rate analysis, visit *http://www.pge.com/myhome/myaccount/rateinfo/* or call 1-877-PGE-SRVC. If a rate schedule is not selected, PG&E will select an applicable rate schedule.

Application and Design and Installation Options

As an applicant for new gas or electric service, you can choose either PG&E or a qualified contractor to design new gas/electric distribution and/or service facilities. You can also choose either PG&E or a qualified contractor to construct all or a portion of new gas/electric distribution and/or service facilities. PG&E will provide you with a bid for the design and the construction work, to assist you in making a selection. You will then have the opportunity to choose either a qualified contractor to perform the design/or construction work. In accordance with PG&E's filed tariffs, electric trenching, conduits, substructures and gas service trenching are the applicant's responsibility. Once you make a decision about who will perform the work, if you subsequently change your selection, you will be responsible for any re-engineering charges incurred as a result of that change.

You should become familiar with the applicant design installation requirements, including PG&E's Applicant Design Guide and General Terms and Conditions, before you make your selection. For copies of these documents and/or for additional information, visit ~~*www.pge.com/mybusiness/customerservice/otherrequests/newconstruction/processguide/step1/appdes.shtml*~~ *http://www.pge.com/cco* or request information by calling 1-877-PGE-SRVC.

PG&E must provide project specific information to design contractors. PG&E can provide this information sooner if we know whether or not you are considering using a design contractor to design gas/electric distribution or service facilities.

Providing this information on this Application is voluntary and is not binding. PG&E will provide you with a bid for the design work regardless of whether or not you answer this question now and will not require a final decision from you until later in the process.

Are you currently planning to use a design contractor? Yes No

Gas Sample Form No. 62-0685 Sheet 1
Application for Service -- Commercial/Industrial Development

Please Refer to Attached
Sample Form

APPLICATION FOR SERVICE
COMMERICAL / INDUSTRIAL DEVELOPMENT

Please complete this application and submit the completed form and attachments to PG&E Application for Service at P.O. Box 24047, Fresno, CA, 93706-2010. You may also submit applications at ~~www.pge.com/mybusiness/customerservice/otherrequests/newconstruction/~~ http://www.pge.com/cco -or call 1-877-PGE-SRVC.
**Indicates optional fields.*

Project Type

☐ Commercial Service (new) ☐ Commercial/Industrial Development ☐ Commercial/Industrial Service Upgrade (additional load / equipment)

☐ Industrial Service (new) ☐ Mixed Use Commercial/Residential Number of Buildings Number of Electric Services

Project Information

☐ Gas Service ☐ Electric Overhead Service ☐ Electric Underground Service Date Initial Service Needed

Project Address or Lot Number City County Zip

Nearest Cross Street

*Assessor's Parcel No. * Building Permit No.

Applicant / Company Name

☐ Individual ☐ Partnership ☐ Corporation ☐ Limited Liability Corporation ☐ Governmental Agency

☐ Sole Proprietor ☐ Other

Day Phone ( ) *Cell Phone ( ) *Fax ( ) *Email address

(Correspondence will be sent via e-mail)

Applicant Address City State Zip

Contract Information

Legal name to appear on contract

☐ Individual ☐ Partnership ☐ Corporation ☐ Limited Liability Corporation ☐ Governmental Agency

☐ Sole Proprietor ☐ Other

*State of incorporation or LLC

Name of person authorized to sign contracts * Title

(First Name, Middle Initial, Last Name)

Mailing address for contract City State Zip

Representative Information **(Party who will relay project information and updates to the PG&E representative)**

Name of Representative

Day Phone ( ) *Cell Phone ( ) *Fax ( ) *Email address

Mailing address City State Zip

*Contractor's Name *Contractor's Phone ( )

Pacific Gas and Electric Company

APPLICATION FOR SERVICE
COMMERICAL / INDUSTRIAL DEVELOPMENT

Credit Information (Party responsible for energy use after the meter is installed)

Name/Company Name to appear on bill Day Phone ( ) *Evening Phone ( )

(First Name, Middle Initial, Last Name)

☐ Individual ☐ Partnership ☐ Corporation ☐ Limited Liability Corporation ☐ Governmental Agency

☐ Sole Proprietor ☐ Other

Mailing address for bill City State Zip

Does the customer currently have service with PG&E? ☐ No ☐ Yes

*If yes, please provide the PG&E Account Number

*Do you want the new service included on your existing bill? ☐ No ☐ Yes

*NAICS (North America Industrial Classification System) Code *Business Activity

*Desired Electric Rate Schedule *Desired Gas Rate Schedule

If you want additional information on rate options or want to request a free rate analysis, visit

http://www.pge.com/mybusiness/myaccount/rates/ or call 1-877-PGE-SRVC. If a rate schedule is not selected, PG&E will select an applicable rate schedule.

Applicant Design and Installation Options

As an applicant for new gas or electric service, you can choose either PG&E or a qualified contractor to design new gas/electric distribution and/or service facilities. You can also choose either PG&E or a qualified contractor to construct all or a portion of new gas/electric distribution and/or service facilities. PG&E will provide you with a bid for the design and the construction work, to assist you in making a selection. You will then have the opportunity to choose either a qualified contractor to perform the design/or construction work.

In accordance with PG&E's filed tariffs, electric trenching, conduits, substructures and gas service trenching are the applicant's responsibility. Once you make a decision about who will perform the work, if you subsequently change your selection, you will be responsible for any re-engineering charges incurred as a result of that change.

You should become familiar with the applicant design installation requirements, including PG&E's Applicant Design Guide and General Terms and Conditions, before you make your selection. For copies of these documents and/or for additional information, visit Document, Preliminary Statement Part A ~~*www.pge.com/newconstruction/processguide/step1/appdes.shtml*~~ *http://www.pge.com/cco* or request information by calling 1-877-PGE-SRVC.

PG&E must provide project specific information to design contractors. PG&E can provide this information sooner if we know whether or not you are considering using a design contractor to design gas/electric distribution or service facilities.

Providing this information on this Application is voluntary and is not binding. PG&E will provide you with a bid for the design work regardless of whether or not you answer this question now and will not require a final decision from you until later in the process.

Are you currently planning to use a design contractor? Yes No

Gas Sample Form No. 62-0686 Sheet 1
Application for Service -- Agricultural Service

Please Refer to Attached
Sample Form

APPLICATION FOR SERVICE
AGRICULTURAL SERVICE

Please complete this application and submit the completed form to PG&E Application for Service at P.O. Box 24047,Fresno, CA 93706-2010. You may also submit applications at ~~http://www.pge.com/mybusiness/customerservice/otherrequests/newconstruction~~ http://www.pge.com/cco or call 1-877-PGE-SRVC.

** Indicates optional fields.*

Project Type

Applicants will be served under an agricultural rate schedule if 70% or more of the annual energy use on the meter is for agricultural end-uses. Agricultural end-uses consist of: (a) growing crops, (b) raising livestock, (c) pumping water for irrigation of crops, or (d) other uses which involve production for sale. (Note: PG&E's Electric Rule 1 contains the complete qualification criteria for agricultural rates).

What percentage of the annual energy use will be for agricultural end-uses?

☐ New Agricultural Service ☐ Additional Load or Equipment to Existing Agricultural Service

Number of Buildings Number of Services

Project Information

☐ Gas Service ☐ Electric Overhead Service ☐ Electric Underground Service Date Initial Service Needed

Project Address or Lot Number City County Zip

Nearest Cross Street

*Assessor's Parcel No. *Building Permit No.

Applicant / Company Name

☐ Individual ☐ Partnership ☐ Corporation ☐ Limited Liability Corporation ☐ Governmental Agency

☐ Sole Proprietor ☐ Other

Day Phone *Cell Phone ( ) *Fax ( ) *Email address

(Correspondence will be sent via e-mail)

Applicant Mailing Address City State Zip

Contract Information

Legal Name to appear on contract

☐ Individual ☐ Partnership ☐ Corporation ☐ Limited Liability Corporation ☐ Governmental Agency

☐ Sole Proprietor ☐ Other

*State of incorporation or LLC

Name of person authorized to sign contracts *Title

(First Name, Middle Initial, Last Name)

Mailing address for contract City State Zip

Pacific Gas and Electric Company

APPLICATION FOR SERVICE
AGRICULTURAL SERVICE

Representative Information (Party who will relay project information and updates to the PG&E representative)

Name of Representative

Day Phone ( ) *Cell Phone ( ) *Fax ( ) *Email address

Mailing address City State Zip

*Contractor's Name *Contractor's Phone

Credit Information (Party responsible for energy use after the meter is installed)

Name/Company Name to appear on bill Day Phone ( ) *Evening Phone ( )

(First Name, Middle Initial, Last Name)

☐ Individual ☐ Partnership ☐ Corporation ☐ Limited Liability Corporation ☐ Governmental Agency

☐ Sole Proprietor ☐ Other

Mailing address for bill City State Zip

*Does the customer currently have service with PG&E? ☐ No ☐ Yes

*If yes, please provide the PG&E Account Number

*Do you want the new service included on your existing bill? ☐ No ☐ Yes

*NAICS (North America Industrial Classification System) Code *Business Activity

*Desired Electric Rate Schedule *Desired Gas Rate Schedule

The applicant is **required** to select an Agricultural Rate schedule before receiving service. If you want additional information on rate options or want to request a free rate analysis, visit *http://www.pge.com/about/rates/rateinfo/rateoptions/agricultural/* or call 1-877-PGE-SRVC.

Application and Design and Installation Options

As an applicant for new gas or electric service, you can choose either PG&E or a qualified contractor to design new gas/electric distribution and/or service facilities. You can also choose either PG&E or a qualified contractor to construct all or a portion of new gas/electric distribution and/or service facilities. PG&E will provide you with a bid for the design and the construction work, to assist you in making a selection. You will then have the opportunity to choose either a qualified contractor to perform the design/or construction work.

In accordance with PG&E's filed tariffs, electric trenching, conduits, substructures and gas service trenching are the applicant's responsibility. Once you make a decision about who will perform the work, if you subsequently change your selection, you will be responsible for any re-engineering charges incurred as a result of that change.

You should become familiar with the applicant design installation requirements, including PG&E's Applicant Design Guide and General Terms and Conditions, before you make your selection. For copies of these documents and/or for additional information, visit

~~www.pge.com/mybusiness/customerservice/otherrequests/newconstruction/processguide/step1/appdes.shtml~~ http://www.pge.com/cco or request information by calling 1-877-PGE-SRVC.

PG&E must provide project specific information to design contractors. PG&E can provide this information sooner if we know whether or not you are considering using a design contractor to design gas/electric distribution or service facilities.

Providing this information on this Application is voluntary and is not binding. PG&E will provide you with a bid for the design work regardless of whether or not you answer this question now and will not require a final decision from you until later in the process.

Are you currently planning to use a design contractor? Yes No

Gas Sample Form No. 62-0687 Sheet 1

Application for Service -- Existing Service Relocate/Change Service

Please Refer to Attached
Sample Form

APPLICATION FOR SERVICE
EXISTING SERVICE RELOCATE / CHANGE SERVICE

Please complete this application and submit the completed form and attachments to PG&E Application for Service at P.O. Box 24047 Fresno CA, 93706-2010. You may also submit applications at ~~www.pge.com/mybusiness/customerservice/otherrequests/newconstruction/~~ http://www.pge.com/cco or call 1-877-PGE-SRVC.
**Indicates optional fields.*
This application is intended for stand-alone relocation requests. If your project also requires new service, please complete a new service application in place of this one. New service applications can be found at http://www.pge.com/cco~~http://www.pge.com/mybusiness/customerservice/brochuresforms/~~.

Project Type

Type of Work (please choose one)

☐ Residential Single Family ☐ Residential Subdivision ☐ Commercial/Industrial/Agricultural

☐ Mixed Use (Commercial/Residential Combination) ☐ Agency (City, County, Cal-Trans)

Reason for Relocation / Rearrangement Request (please check all that apply) *

☐ Panel/Meter Relocation (Gas & Electric) ☐ Panel Upgrade (No Load Added) ☐ Panel Upgrade (Added Load)

☐ Temporarily De-energize Panel ☐ Temporarily De-energize Service ☐ Temporarily Disconnect Service

☐ Cut off/Demolition ☐ Meter or Meter Size Change ☐ Service Relocation (Pipes & Electric Wires)

☐ Relocate PG&E Facilities (Poles, Boxes, Wires, Pipes, Guys) ☐ Overhead to Underground Conversion

☐ Other _____

Description of Work Requested: _____

Project Information

☐ Gas ☐ Electric Overhead ☐ Electric Underground ☐ Date Relocation Needed

Project Address or Lot Number City County Zip

Nearest Cross Street

Applicant / Company Name

☐ Individual ☐ Partnership ☐ Corporation ☐ Limited Liability Corporation ☐ Governmental Agency

☐ Sole Proprietor ☐ Other

Day Phone ( ) *Cell Phone( ) *Fax ( ) *Email address

(Correspondence will be sent via e-mail)

Applicant Address City State Zip

*Building Permit Number *PG&E Account Number Date PG&E facility rearrangement / relocation needed

PG&E may relocate or rearrange service in accordance with Gas and/or Electric Rules 2, 13, 15, 1, 20, 21 and LS schedules as applicable. There may be circumstances where application of PG&E's distribution/service extension rules would place an undue financial burden on PG&E. In these cases, PG&E may apply the exceptional case provisions of its Rules 15 and 16.

Pacific Gas and Electric Company

APPLICATION FOR SERVICE
EXISTING SERVICE RELOCATE / CHANGE SERVICE

Contract Information

Legal name to appear on contract

☐ Individual ☐ Partnership ☐ Corporation ☐ Limited Liability Corporation ☐ Governmental Agency

☐ Sole Proprietor ☐ Other

*State of incorporation or LLC

Name of person authorized to sign contracts

(First Name, Middle Initial, Last Name)

Mailing address for contract City State Zip

*Contractor's Name *Contractor's Phone ( )

Representative Information **(Party who will relay project information and updates to the PG&E representative)**

Name of Representative

Day Phone ( ) *Cell Phone ( ) *Fax ( ) *Email address

Mailing address City State Zip

*Contractor's Name *Contractor's Phone ( )

Construction Information

You are permitted to select either PG&E or your own contractor to construct all or a portion of any new gas/electric distribution and / or service facilities. However, only PG&E may work on energized or pressurized facilities. More details regarding the installation option requirements are available through your local PG&E office. You should become familiar with the requirements before you make your selection (Please see the following pages under installation options for specific information. For projects that require both relocation work and new service, please complete the appropriate new service application. Those new service (and associated relocation work) applications can be found at http://www.pge.com/cco~~http://www.pge.com/mybusiness/customerservice/brochuresforms/~~.

*If trenching is required, who will trench, backfill, and provide and install conduit?

☐ Applicant ☐ PG&E

*Proposed trench occupants: (please check all that apply)

☐ Electric ☐ Gas ☐ Phone ☐ CATV ☐ Other

Water, sanitary sewer, storm drain, LPG, oil or other fluid carrying piping or facilities are not permitted in a joint trench.

IMPORTANT NOTE: Do NOT install your electric main switch or gas house line until the location is approved by PG&E.

Gas Sample Form No. 62-0980 Sheet 1
Distribution Service and Extension Agreement Declarations

Please Refer to Attached
Sample Form

Pacific Gas and Electric Company

DISTRIBUTION:
☐ Applicant (copy)
☐ Division (copy)
☐ CFM(Original)

REFERENCES:
Notification # _____
E-PM # _____
G-PM # _____
Bill Doc # _____
MLX # _____
Prior MLX # _____
Customer # _____

DISTRIBUTION SERVICE AND EXTENSION AGREEMENT DECLARATIONS[1]

Submitted to Applicant by:

PG&E REP NAME

Date of issuance:_____

1. _____**(Applicant),** has requested **PACIFIC GAS AND ELECTRIC COMPANY**, a California corporation (PG&E), to deliver **Gas / Electric** energy to the property situated at **Enter Address Here** and shown on the attached drawings.

2. **Applicable Documents.** The cost summary for the facilities to be installed is attached hereto as Exhibit A. These facilities shall be installed in accordance with the applicable rules on file with the California Public Utilities Commission (which may include Gas and Electric Rules 2, 13, 15, 16, and 20), as well as the requirements set forth in the Provisions (Form 62-0982) and the General Terms and Conditions for Gas and Electric Service by Applicant (Form 79-716) These documents are located online in PG&E's Tariff Book, which is available at ~~http://www.pge.com/customer_service/new_construction_services/~~ http://www.pge.com/cco . Should you require hard copies please contact your PG&E Representative.

3. **Construction Options.** The responsibility for providing line extension work is divided between PG&E and the Applicant. However, Applicant may chose to have a qualified contractor perform some of the work that is PG&E's responsibility, and may choose to have PG&E perform some or all of the work that is the Applicant's responsibility. PG&E will reimburse or collect money based on its estimate of the costs, subject to the applicable rules. Based on Applicant's request, the contract costs are based on the following construction options:

PG&E Responsibility [1]		To Be Performed By	
		PG&E	Applicant
Gas	Main Trench	☐	☐
	Main Pipe Installation	☐	☐
	Service Pipe Installation	☐	☐
Electric	Distribution Wire and Equipment Installation	☐	☐
	Service Wire Installation	☐	☐

Applicant Responsibility [2]		To Be Performed By	
		PG&E	Applicant
Gas	Service Trench	☐	☐
Electric	Distribution Trench	☐	☐
	Service Trench	☐	☐
	Distribution Substructure Installation	☐	☐
	Service Substructure Installation	☐	☐

1. PG&E's responsibilities per Rule 15.b.1.b and Rule 16.D.2
2. Applicant's responsibilities per Rule 15.b.1.a and Rule 16.D.1

Gas Sample Form No. 79-1186 Sheet 1
Customer Information Service
Request For Share My Data (CISR-SMD)

Please Refer to Attached
Sample Form

CUSTOMER INFORMATION SERVICE REQUEST FOR SHARE MY DATA (CISR-SMD)

IMPORTANT INFORMATION FOR CUSTOMERS – BE SURE TO READ FIRST
THIS IS A LEGALLY BINDING CONTRACT – READ IT CAREFULLY

This form allows you to create a new Authorization to grant a Third Party access to your PG&E data via PG&E's Share My Data (SMD) platform or to modify or revoke an existing Authorization you currently have on the Share My Data platform. This form should be completed by the main Customer Account Holder (name on the PG&E bill) or the Customer's Authorized Agent.

Pacific Gas and Electric Company's (PG&E's) Gas and Electric Rules 27 and its corresponding privacy policies, which can be found at www.pge.com/about/company/privacy/customer, do not allow for the disclosure of customers' personal information, such as your name, address, phone number, or electric account and billing information, to third parties for purposes other than providing utility services to you or as otherwise required by law, unless you expressly authorize us to do so. This form allows you to exercise your right to disclose personal energy-related information about you to a Third Party under PG&E's Electric Rule 25 which can be found at ~~www.pge.com/tariffs/tm2/pdf/ELEC_RULES_25.pdf~~https://www.pge.com/tariffs/assets/pdf/tariffbook/ELEC_RULES_25.pdf. This form may be used to authorize the release of electric-related information for Bundled, Community Choice Aggregation (CCA), Direct Access (DA) customers, and gas-related information for Core End-Use and Noncore End-Use customers. When you authorize access by a Third Party to personal energy-related information about you, you agree that you are solely responsible for ensuring that the Third Party safeguards this information from further disclosure without your consent.

If you want to provide data to a Demand Response Provider (DRP), please use "Customer Information Service Request For Demand Response Provider" (CISR-DRP), Form 79-1152.

This agreement at all times shall be subject to such modifications as the California Public Utilities Commission may direct from time to time in the exercise of its jurisdiction, including, without limitation, revisions to the types of customer information to be released.

STEP 1: AUTHORIZATION DETAILS

- ***Please select the action you wish to take:***

  [ ] **CREATE** A NEW AUTHORIZATION – Please Complete SECTION 1
  [ ] **MODIFY** AN EXISTING AUTHORIZATION – Please Complete SECTION 2
  [ ] **REVOKE** AN EXISTING AUTHORIZATION – Please Complete SECTION 3

[SECTION 1: CREATE A NEW AUTHORIZATION]

- ***Please provide either an email address or your My Account User Name:***

  [ ] Email Address: _____
  (The email address you provide here will be used for all transactional emails relating to this Authorization.)

  OR

  [ ] My Account User Name: _____
  (If you provide your My Account User Name you will have the ability to modify or revoke this Authorization via My Account, your PG&E online account. All transactional emails relating to this Authorization will be sent to the email address associated to your My Account account.)

Gas Sample Form No. 79-755 Sheet 1

Agreement for Transportation of Natural Gas for Compression as a Motor-Vehicle Fuel

Please Refer to Attached
Sample Form

Pacific Gas and Electric Company

AGREEMENT FOR TRANSPORTATION OF NATURAL GAS FOR COMPRESSION AS A MOTOR-VEHICLE FUEL

DISTRIBUTION

- ☐ Customer
- ~~☐ Gas Billing Solutions (Original)~~
- ☐ NGV Support Team
- ~~☐ Division Billing Analyst~~
- ☐ ~~Clean Air Transportation~~

REFERENCES

SA#:_____

Account#:_____

NGV~~CAT~~ Rep:_____

~~Rep Phone #~~ _____

GENERAL

1. This Agreement, between Pacific Gas and Electric Company (PG&E), a California corporation, and _____(Customer), a(n) _____ is for natural gas service for compression for use as a motor-vehicle fuel at Customer's premises located at: _____
   (street, city, state, and zip code)
2. Customer agrees to purchase and PG&E agrees to provide natural gas service pursuant to the terms of this Agreement and to experimental-rate Schedule G-NGV1, or its successor.
3. This Agreement includes, where applicable, Exhibit A (Rate Schedule G-NGV1 Customer Communications). The Exhibit is incorporated into and made a part of this Agreement. The Exhibit may be amended from time to time in accordance with this Agreement. Attached to this Agreement, for illustrative purposes, are all applicable PG&E gas rules and rate schedules in effect at the time of this Agreement execution.
4. Both Customer and PG&E agree to abide by the terms of the above rate Schedule and its successor, as well as all effective rules in PG&E's gas tariff schedules.

FACILITIES

5. PG&E shall not be obligated to furnish facilities in addition to standard metering and pressure regulating equipment to provide service under rate Schedule G-NGV1. Where additional facilities are required, they will be treated as special facilities in accordance with PG&E's gas Rule 2, Description of Service.
6. Delivery of natural gas shall be at the point where pipes owned, leased or under license by Customer contact PG&E's pipes.

BILLING

7. PG&E will bill customer at the applicable rate(s) set forth above for the total natural gas service during the billing period.
8. PG&E will send the Customer's bill to the address specified in Exhibit A. After service has been initiated, the billing addresses may be modified by calling PG&E's ~~Clean Air Transportation (CAT) Hotline~~NGV Support Team at 1-800-684-4648.

TERM AND TERMINATION

9. The initial term of this Agreement shall be 12 months commencing on the day PG&E's gas meter is installed. This Agreement shall continue on a month-to-month basis until terminated by either party upon thirty (30) days prior written notice.

COMMUNICATIONS

10. Any communications or modifications concerning Exhibit A, shall be in writing or in electronic form via an E-mail or an Internet message with the exception that billing address changes must be made by calling PG&E ~~Clean Air Transportation (CAT) Hotline~~NGV Support Team at 1-800-684-4648. Formal communications are to be as specified in Exhibit A, and deemed effective when received.

RIGHTS TO DATA

11. PG&E has the right to collect, use, or distribute all vehicle performance data relating to the Customer's compressed natural gas (CNG) vehicle operations.

ASSIGNMENT

12. This Agreement may not be assigned by either party without the written consent of the other. If this Agreement is assigned, it shall be binding on the party to which it is assigned. Assignment of this Agreement shall not release the assigning party from any of its obligations under this Agreement unless such a release is agreed to in writing by the other party and the assuming party.

EXCLUSIVE NATURE AND INTERPRETATIONS

13. This Agreement does not change the obligations, restrictions or rights contained in other agreements between the parties unless expressly indicated in this Agreement. Customer and PG&E agree that all understandings between them regarding this Agreement are set forth or referenced in this Agreement. No agreements, representations, memoranda, or other forms of communication, written or oral, exchanged before the signing of this Agreement, shall be grounds for altering or interpreting the terms of this Agreement.

14. This Agreement shall be interpreted under the laws of the State of California, excluding any choice of law rules which may direct the application of the laws of another jurisdiction. This Agreement

and the obligations of the two parties are subject to all valid laws, orders, rules, and regulations of the authorities having jurisdiction over this Agreement (or the successors of those authorities).

REGULATORY

15. This Agreement shall at all times be subject to any changes or modifications the California Public Utilities Commission may direct from time to time in the exercise of its jurisdiction. Such changes or modifications may be to this Agreement or to PG&E's applicable tariff schedules. PG&E shall notify the Customer of any such changes or modifications which may affect Customer's obligations under this Agreement.

	PACIFIC GAS AND ELECTRIC COMPANY
(Customer)	
(Signature)	(Signature)
(Type/Print Name)	(Type/Print Name)
(Title)	(Title)
(Federal Tax ID~~Date~~)	(Date)
(Date)	

Incorporated Attachment: Exhibit A – Rate Schedule G-NGV1 Customer Communications
Illustrative Attachments: Rate Schedule G-NGV1; Gas Rules 2, 14

AGREEMENT FOR TRANSPORTATION OF NATURAL GAS FOR COMPRESSION AS A MOTOR-VEHICLE FUEL

Pacific Gas and Electric Company

EXHIBIT A
RATE SCHEDULE G-NGV1 CUSTOMER COMMUNICATIONS

CUSTOMER NAME: _____

SERVICE ADDRESS: _____

DIRECTIONS: Any of the names or addresses listed below may be changed upon receipt of written notification from Customer with the exception that billing address changes may be made by PG&E at 1-800-743-5000. Customer can only designate on "customer formal communications" address.

CUSTOMER FORMAL COMMUNTICATIONS:

CUSTOMER NAME: _____
MAILING ADDRESS: _____
CITY/STATE/COUNTY: _____ ZIP CODE:_____
CONTACT: _____
PHONE NO.: (___) ___ - _____
ALTERNATE NO.: (___) ___ - _____
~~FACSIMILE NO.: (___) ___ - _____~~
E~~LECTRONIC~~ MAIL ADDRESS: _____

CUSTOMER BILLING ADDRESS:

CUSTOMER NAME: _____
MAILING ADDRESS: _____
CITY/STATE/COUNTY: _____ ZIP CODE:_____
CONTACT: _____
PHONE NO.: (___) ___ - _____
ALTERNATE NO.: (___) ___ - _____
~~FACSIMILE NO.: (___) ___ - _____~~
E~~LECTRONIC~~ MAIL ADDRESS: _____

PG&E FORMAL COMMUNICATIONS:

PG&E CONTACT: NGV Support Team
AREA: Company wide
MAILING ADDRESS: 4180 Duluth Ave
CITY/STATE/COUNTY: Rocklin
ZIP CODE: 95765
ATTENTION: NGV Support Team
PHONE NO.: ~~(___)~~ (800) 684-4648 ~~___~~ # 4
~~FACSIMILE NO.: (___) ___ - _____~~
E~~LECTRONIC~~ MAIL ADDRESS: NGVinfo@pge.com

GAS SCHEDULE G-AA Sheet 2
AS AVAILABLE TRANSPORTATION ON-SYSTEM

RATES: The Customer shall pay a Usage Charge for each decatherm equal to the applicable usage rate for the contracted path, multiplied by the quantity of gas delivered on the Customer's behalf.

1. Usage Charge:

Path:	Usage Rate (Per Dth)
Redwood to On-System	$0.7933
Baja to On-System	$0.9553
Silverado to On-System	$0.6028
Mission to On-System	$0.0000

2. Additional Charges:

The Customer shall be responsible for payment of any applicable costs, taxes, and/or fees incurred by PG&E in taking delivery of third-party gas from Backbone or interstate sources.

NEGOTIABLE RATES: Rates under this schedule are not negotiable.

CREDIT-WORTHINESS: Customer must meet the creditworthiness requirements specified in Rule 25.

SERVICE AGREEMENT AND TERM: A Gas Transmission Service Agreement (GTSA) (Form No. 79-866) is required for service on this schedule. The minimum term for service under the GTSA is one (1) year.

SHRINKAGE: Transportation volumes will be subject to a shrinkage allowance in accordance with Rule 21.

NOMINATIONS: Nominations are required for gas transported under this rate schedule. See Rule 21 for details.

CURTAILMENT OF SERVICE: Service under this schedule may be curtailed. See Rule 14 for details.

BALANCING: Service hereunder shall be subject to all applicable terms, conditions and obligations of Schedule G-BAL. PG&E Interconnections with California Production shall be subject to all applicable terms, conditions and obligations of the California Production Balancing Agreement. (N) | (N)

GAS SCHEDULE G-AAOFF Sheet 2
AS-AVAILABLE TRANSPORTATION OFF-SYSTEM

RATES: The Customer shall pay a Usage Charge for each decatherm equal to the applicable usage rate for the contracted path, multiplied by the quantity of gas delivered on the Customer's behalf.

1. Usage Charge:

Path:	Usage Rate (Per Dth)
Redwood to Off-System	$0.7933
Baja to Off-System	$0.9553
Silverado to Off-System	$0.7933
Mission to Off-System	$0.7933
Mission to Off-System Storage Withdrawals	$0.0000

2. Additional Charges:

The Customer shall be responsible for payment of any applicable costs, taxes, and/or fees incurred by PG&E in taking delivery of third-party gas from Backbone or interstate sources.

NEGOTIABLE RATES: Rates under this schedule are not negotiable.

STORAGE WITHDRAWAL OPTIONS (MISSION TO OFF-SYSTEM): Storage withdrawals to PG&E's Backbone Transmission System may be nominated for off-system delivery under the Mission Off-System As-Available service for no additional charge.

CREDIT-WORTHINESS: Customer must meet the creditworthiness requirements specified in Rule 25.

SERVICE AGREEMENT: A Gas Transmission Service Agreement (GTSA) (Form No. 79-866) is required for service under this schedule. The minimum term for service under the GTSA is one (1) year.

SHRINKAGE: Transportation volumes will be subject to a shrinkage allowance in accordance with Rule 21.

NOMINATIONS: Nominations are required for gas transported under this rate schedule. See Rule 21 for details.

CURTAILMENT OF SERVICE: Service under this schedule may be curtailed. See Rule 14 for details.

BALANCING: Service hereunder shall be subject to all applicable terms, conditions and obligations of Schedule G-BAL. PG&E Interconnections with California Production shall be subject to all applicable terms, conditions and obligations of the California Production Balancing Agreement. (N) | (N)

GAS SCHEDULE G-AFT Sheet 3
ANNUAL FIRM TRANSPORTATION ON-SYSTEM

RATES: (Cont'd.)

3. Additional Charges:

The Customer shall be responsible for payment of any applicable costs, taxes, and/or fees incurred by PG&E in taking delivery of third-party gas from Backbone or interstate sources.

STORAGE WITHDRAWAL OPTION: To transport storage withdrawals On-System, Customers may convert all or part of a Firm On-System Redwood or Firm On-System Baja Exhibit to a Firm On-System Mission Exhibit at any time prior to 60 minutes before the close of the Timely Nomination Cycle, as set forth in gas Rule 21. However, the full monthly demand charge is still applicable. Conversions of Firm On-System Baja Exhibits are limited to the amount of unsold Firm Redwood capacity available at the time of the requested conversion. Baja Exhibit conversions may be requested on a monthly basis, no more than five (5) days prior to the end of the month, for a maximum term of one month. Redwood Exhibit conversions have no maximum term limit.

NEGOTIABLE RATES: Rates under this schedule are not negotiable.

CREDIT-WORTHINESS: Customer must meet the creditworthiness requirements specified in Rule 25.

SERVICE AGREEMENT AND TERM: A Gas Transmission Service Agreement (GTSA) (Form No. 79-866) is required for service on this schedule. The minimum term for service under the GTSA is one (1) year.

SHRINKAGE: Transportation volumes will be subject to a shrinkage allowance in accordance with Rule 21.

NOMINATIONS: Nominations are required for gas transported under this rate schedule. See Rule 21 for details.

CURTAILMENT OF SERVICE: Service under this schedule may be curtailed. See Rule 14 for details.

BALANCING: Service hereunder shall be subject to all applicable terms, conditions and obligations of Schedule G-BAL. PG&E Interconnections with California Production shall be subject to all applicable terms, conditions and obligations of the California Production Balancing Agreement. (N) | (N)

CAPACITY LIMITATION: Long-term standard firm contracts for terms of five (5) years or greater are subject to a capacity limitation of 400 MDth/day on the Redwood Path and 200 MDth/day on the Baja Path.

GAS SCHEDULE G-AFTOFF Sheet 3
ANNUAL FIRM TRANSPORTATION OFF-SYSTEM

NEGOTIABLE RATES:	Rates under this schedule are not negotiable.
CREDIT-WORTHINESS:	Customer must meet the creditworthiness requirements specified in Rule 25.
SERVICE AGREEMENT AND TERM:	A Gas Transmission Service Agreement (GTSA) (Form No. 79-866) is required for service on this schedule. The minimum term for service under the GTSA is one (1) year.
SHRINKAGE:	Transportation volumes will be subject to a shrinkage allowance in accordance with Rule 21.
NOMINATIONS:	Nominations are required for gas transported under this rate schedule. See Rule 21 for details.
CURTAILMENT OF SERVICE:	Service under this schedule may be curtailed. See Rule 14 for details.
BALANCING:	Service hereunder shall be subject to all applicable terms, conditions and obligations of Schedule G-BAL. PG&E Interconnections with California Production shall be subject to all applicable terms, conditions and obligations of the California Production Balancing Agreement. (N) (N)
CAPACITY LIMITATION:	Long-term standard firm contracts for terms of five (5) years or greater are subject to a capacity limitation of 400 MDth/day on the Redwood Path and 200 MDth/day on the Baja Path.

GAS SCHEDULE G-AMDS Sheet 1
EXPERIMENTAL ACCESS TO METER DATA SERVICES

APPLICABILITY: A customer connected to PG&E's SmartMeter™ system will have the following services available as provided under this schedule. This is an experimental Schedule and shall remain in effect until December 31, 2009 or until cancelled by the CPUC.

TERRITORY: This schedule is available to customers in PG&E's gas service territory.

RATES: If the customer selects any of the services, charges will apply as stated in this schedule.

BASIC SERVICES ..... No Charge

The following basic services are available through "~~My~~ Your Account" at pge.com. (Y)

Daily gas usage (therms)	For all accounts Posted daily	A minimum of 2 months of data
Daily gas usage by billing cycle or month	For all accounts	Same as above
Daily gas usage by week	For all accounts	Same as above
Historical gas usage by billing cycle or month	For all accounts	Same as above
View and print data in graph form	For all accounts	Same as above
Download data to tabular format	For all accounts	Same as above

SPECIAL CONDITIONS:

1. Daily gas usage retrieved from the SmartMeter™ system will be available to the customer. The customer can view, print, and download yesterday's usage to 24 months of past gas usage retrieved from the SmartMeter™ system.

2. Data shown in "Your Account" is not yet synchronized with the billing usage used in the customer's monthly bill. The monthly bill will contain the most updated and accurate usage information at the time the bill is created. ~~The usage in the monthly bill may be different from the usage posted in "My Account." due to synchronization between My Account and PG&E's billing system~~. (T)

GAS SCHEDULE G-NAA Sheet 3
NEGOTIATED AS-AVAILABLE TRANSPORTATION ON-SYSTEM

CREDIT-WORTHINESS:	Customer must meet the creditworthiness requirements specified in Rule 25.
SERVICE AGREEMENT:	A Gas Transmission Service Agreement (GTSA) (Form No. 79-866) is required for service on this schedule. The minimum term for service under the GTSA is one (1) year.
SHRINKAGE:	Transportation volumes will be subject to a shrinkage allowance in accordance with Rule 21.
NOMINATIONS:	Nominations are required for gas transported under this rate schedule. See Rule 21 for details.
CURTAILMENT OF SERVICE:	Service under this schedule may be curtailed. See Rule 14 for details.
BALANCING:	Service hereunder shall be subject to all applicable terms, conditions and obligations of Schedule G-BAL. PG&E Interconnections with California Production shall be subject to all applicable terms, conditions and obligations of the California Production Balancing Agreement. (N) ↓ (N)

GAS SCHEDULE G-NAAOFF Sheet 3
NEGOTIATED AS-AVAILABLE TRANSPORTATION OFF-SYSTEM

CREDIT-WORTHINESS:	Customer must meet the creditworthiness requirements specified in Rule 25.
SERVICE AGREEMENT:	A Gas Transmission Service Agreement (GTSA) (Form No. 79-866) is required for service on this schedule. The minimum term of service under the GTSA is one (1) year.
SHRINKAGE:	Transportation volumes will be subject to a shrinkage allowance in accordance with Rule 21.
NOMINATIONS:	Nominations are required for gas transported under this rate schedule. See Rule 21 for details.
CURTAILMENT OF SERVICE:	Service under this schedule may be curtailed. See Rule 14 for details.
BALANCING:	Service hereunder shall be subject to the Balancing Service under Schedule G-BAL. PG&E Interconnections with California Production shall be subject to all applicable terms, conditions and obligations of the California Production Balancing Agreement. (N) (N)

GAS SCHEDULE G-NFT Sheet 3
NEGOTIATED FIRM TRANSPORTATION ON-SYSTEM

NEGOTIATED RATE GUIDELINES (Cont'd.)

4. The CPUC's complaint procedure will be available to address any claims of undue discrimination in providing service hereunder.

5. Negotiated transmission contracts under G-NFT will not require submission to the CPUC for approval. Unless otherwise provided in the applicable GTSA, or exhibit thereto, the application of this requirement under General Order 96-B is waived by the CPUC.

CREDIT-WORTHINESS: Customer must meet the creditworthiness requirements specified in Rule 25.

SERVICE AGREEMENT AND TERM: A Gas Transmission Service Agreement (GTSA) (Form No. 79-866) is required for service under this schedule. The minimum term for service under the GTSA is one (1) year.

SHRINKAGE: Transportation volumes will be subject to a shrinkage allowance in accordance with Rule 21.

NOMINATIONS: Nominations are required for gas transported under this rate schedule. See Rule 21 for details.

CURTAILMENT OF SERVICE: Service under this schedule may be curtailed. See Rule 14 for details.

BALANCING: Service hereunder shall be subject to all applicable terms, conditions and obligation under Schedule G-BAL. PG&E Interconnections with California Production shall be subject to all applicable terms, conditions and obligations of the California Production Balancing Agreement. (N) | (N)

GAS SCHEDULE G-NFTOFF Sheet 3
NEGOTIATED FIRM TRANSPORTATION OFF-SYSTEM

NEGOTIATED RATE GUIDELINES:

1. Standard tariff rates and terms are available to all Customers, in lieu of negotiated rates and terms.

2. PG&E may distinguish between parties in offering negotiated rates by evaluating differences in circumstances and conditions, including, but not limited to, differences occurring upstream of, downstream of, or at, the Customer's location, and differences affecting either cost of service to the Customer or the Customer's market alternatives. Negotiations with Customers under this rate schedule will be conducted without undue preference or undue discrimination to the Customer or to any third party.

3. PG&E will issue monthly reports to the CPUC listing all negotiated contracts, including those negotiated under G-NFTOFF. PG&E will make the report available upon request. Customer names, including PG&E's affiliates and other departments, will not be provided in the report. However, the report will indicate whether a particular transaction was with an affiliate. The report will show the negotiated rates and dates of service.

4. The CPUC's complaint procedure will be available to address any claims of undue discrimination in providing service hereunder.

5. Negotiated transmission contracts under G-NFTOFF will not require submission to the CPUC for approval. Unless otherwise provided in the applicable GTSA, or exhibit thereto, the application of this requirement under General Order No. 96-B is waived by the CPUC.

CREDIT-WORTHINESS: Customer must meet the creditworthiness requirements specified in Rule 25.

SERVICE AGREEMENT: A Gas Transmission Service Agreement (GTSA) (Form No. 79-866) is required for service under this schedule. The minimum term for service under the GTSA is one (1) year.

SHRINKAGE: Transportation volumes will be subject to a shrinkage allowance in accordance with Rule 21.

NOMINATIONS: Nominations are required for gas transported under this rate schedule. See Rule 21 for details.

CURTAILMENT OF SERVICE: Service under this schedule may be curtailed. See Rule 14 for details.

BALANCING: Service hereunder shall be subject to all applicable terms, conditions and obligations of Schedule G-BAL. PG&E Interconnections with California Production shall be subject to all applicable terms, conditions and obligations of the California Production Balancing Agreement. (N) | (N)

GAS SCHEDULE G-SFT Sheet 3
SEASONAL FIRM TRANSPORTATION ON-SYSTEM ONLY

TERM:	The minimum term for service for an exhibit to the GTSA under this rate schedule is three (3) consecutive months in any one season. For exhibits that straddle seasons, the minimum term of service is six (6) months, covering at least three (3) consecutive months in each season. The maximum term is two (2) years. For purposes of this rate schedule, there are two (2) seasons per year; Winter and Summer. The Winter season extends for five (5) months beginning November 1 and ending March 31. The Summer season extends for seven (7) months, beginning April 1 and ending October 31.
NEGOTIABLE RATES:	Rates under this schedule are not negotiable.
CREDIT-WORTHINESS:	Customer must meet the creditworthiness requirements specified in Rule 25.
SERVICE AGREEMENT AND TERM:	A Gas Transmission Service Agreement (GTSA) (Form No. 79-866) is required for service under this schedule. The minimum term for service under the GTSA is one (1) year.
SHRINKAGE:	Transportation volumes will be subject to a shrinkage allowance in accordance with Rule 21.
NOMINATIONS:	Nominations are required for gas transported under this rate schedule. See Rule 21 for details.
CURTAILMENT OF SERVICE:	Service under this schedule may be curtailed. See Rule 14 for details.
BALANCING:	Service hereunder shall be subject to all applicable terms, conditions and obligations of Schedule G-BAL. PG&E Interconnections with California Production shall be subject to all applicable terms, conditions and obligations of the California Production Balancing Agreement. (N) (N)

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Electric Sample Form No. 62-0683 Sheet 1
Application for Service -- Residential Single Family Dwelling

Please Refer to Attached
Sample Form

APPLICATION FOR SERVICE
RESIDENTIAL SINGLE FAMILY DWELLING[1]

Please complete this application and submit the completed form to PG&E Application for Service at P.O. Box 24047, Fresno, CA 93706-2010. You may also submit applications at http://www.pge.com/cco ~~http://www.pge.com/my_home/customerservice/other/newconstruction/~~ *or call 1-877-PGE-SRVC.*

**Indicates optional fields.*

Project Information

☐ Gas Service ☐ Electric Overhead Service ☐ Electric Underground Service Date Initial Service Needed_____

Project Address or Lot Number_____ City_____ County_____ Zip_____

Single Family Dwelling☐ Multiple Lots☐ *Assessor's Parcel_____ *Building Permit_____

Nearest Cross Street_____

Applicant / Company Name_____

☐ Individual ☐ Partnership ☐ Corporation ☐ Limited Liability Corporation ☐ Governmental Agency ☐ Sole Proprietor

☐ Other_____

Day Phone (_____)_____ *Cell Phone (_____)_____ *Fax (_____)_____ *Email address_____
(Correspondence will be sent via e-mail)

Applicant Address_____ City_____State_____Zip_____

Contract Information

Legal Name to appear on contract_____

☐ Individual ☐ Partnership ☐ Corporation ☐ Limited Liability Corporation ☐ Governmental Agency ☐ Sole Proprietor

☐ Other_____

*State of incorporation or LLC_____

Name of person authorized to sign contracts_____ *Title _____
(First Name, Middle Initial, Last Name)

Mailing address for contract _____ City_____State_____Zip_____

Representative Information **(Party who will relay project information and updates to the PG&E representative)**

Name of Representative

Day Phone (_____)_____ *Cell Phone (_____)_____ *Fax (_____)_____ *Email address_____

Mailing address _____City_____ State_____ Zip_____

*Contractor's Name_____ *Contractor's Phone (_____)_____

Credit Information **(Party responsible for energy use after the meter is installed)**

Name/Company Name to appear on bill_____ Day Phone (_____)_____ *Evening Phone (_____)_____
(First Name, Middle Initial, Last Name)

☐ Individual ☐ Partnership ☐ Corporation ☐ Limited Liability Corporation ☐ Governmental Agency ☐ Sole Proprietor

☐ Other_____

Mailing address _____City_____ State_____ Zip_____

*Does the customer currently have service with PG&E? ☐ No ☐ Yes

[1]Automated Document – Preliminary Statement Part A

*If yes, please provide the PG&E Account Number _____

*Do you want the new service included on your existing bill? ☐ No ☐ Yes

*Desired Electric Rate Schedule _____ *Desired Gas Rate Schedule _____

If you want additional information on rate options or want to request a free rate analysis, visit http://www.pge.com/myhome/myaccount/rateinfo/ or calling 1-877-PGE-SRVC. If a rate schedule is not selected, PG&E will select an applicable rate schedule.

Application and Design and Installation Options

As an applicant for new gas or electric service, you can choose either PG&E or a qualified contractor to design new gas/electric distribution and/or service facilities. You can also choose either PG&E or a qualified contractor to construct all or a portion of new gas/electric distribution and/or service facilities. PG&E will provide you with a bid for the design and the construction work, to assist you in making a selection. You will then have the opportunity to choose either a qualified contractor to perform the design/or construction work.
In accordance with PG&E's filed tariffs, electric trenching, conduits, substructures and gas service trenching are the applicant's responsibility. Once you make a decision about who will perform the work, if you subsequently change your selection, you will be responsible for any re-engineering charges incurred as a result of that change.

You should become familiar with the applicant design installation requirements, including PG&E's Applicant Design Guide and General Terms and Conditions, before you make your selection. For copies of these documents and/or for additional information, visit http://www.pge.com/cc~~www.pge.com/newconstruction/processguide/step1/appdes.shtml~~ or request information by calling 1-877-PGE-SRVC.

PG&E must provide project specific information to design contractors. PG&E can provide this information sooner if we know whether or not you are considering using a design contractor to design gas/electric distribution or service facilities.

Providing this information on this Application is voluntary and is not binding. PG&E will provide you with a bid for the design work regardless of whether or not you answer this question now and will not require a final decision from you until later in the process.

Are you currently planning to use a design contractor? ☐ No ☐ Yes

Construction Information

**Please note if you have selected "Electric Overhead Service" without "Gas Service" all trench related questions become optional fields.

Joint trench drawing to be prepared by: ☐ Applicant ☐ PG&E ☐ Not required

Who will trench and backfill for the distribution facilities? ☐ Applicant / Elec ☐ PG&E / Elec ☐ Date Joint Trench Required _____

Proposed distribution trench occupants or joint pole occupants: (check all that apply) ☐ Electric ☐ Gas ☐ Phone ☐ CATV

☐ Other _____

Who will install distribution conduit and substructures? ☐ Applicant ☐ PG&E

Who will trench and backfill for the service facilities? ☐ Applicant / Gas ☐ PG&E / Gas ☐ Date Joint Trench Required _____

☐ Applicant / Elec ☐ PG&E / Elec

Proposed service trench occupants or joint pole occupants: (check all that apply) ☐ Electric ☐ Gas ☐ Phone ☐ CATV

☐ Other

Who will install service conduit and substructures? ☑ Applicant ☐ PG&E

*Transformer type requested: ☐ Padmounted ☐ Subsurface (additional Special Facilities charges may apply)

Water, sanitary sewer, storm drain, low pressure gas, oil or other fluid carrying piping or facilities or private utilities (e.g. fire alarm, private streetlight systems, private phone, private CATV or gate controllers) are not permitted in a PG&E occupied joint trench.

[1]Automated Document – Preliminary Statement Part A

Electric Sample Form No. 62-0684 Sheet 1
Application for Service -- Residential Subdivision/Development

Please Refer to Attached
Sample Form

APPLICATION FOR SERVICE
RESIDENTIAL SUBDIVISION / DEVELOPMENT

Please complete this application and submit the completed form and attachments to PG&E Application for Service at P.O. Box 24047, Fresno, CA 93706-2010. You may also submit applications at ~~http://www.pge.com/myhome/customerservice/other/newconstruction/~~ http://www.pge.com/cco or call 1-877-PGE-SRVC.
** Indicates optional fields.*

Project Type

☐ Build-Out (Production) Subdivision ☐ Apartments ☐ Zero Lot Line

☐ Condominiums ☐ Lot Sale Number of lots / units

Project Information

☐ Gas Service ☐ Electric Overhead Service ☐ Electric Underground Service Date Initial Service Needed

Project Name *Tract Number

Project Address /Location City County Zip

Nearest Cross Street

Applicant / Company Name

☐ Individual ☐ Partnership ☐ Corporation ☐ Limited Liability Corporation ☐ Governmental Agency

☐ Sole Proprietor ☐ Other

Day Phone( ) *Cell Phone ( ) *Fax ( ) *Email address
(Correspondence will be sent via e-mail)

Applicant Mailing Address City State Zip

Trench start date Date you will begin construction (grading) Trench completion date

Contract Information

Legal Name to appear on contract

☐ Individual ☐ Partnership ☐ Corporation ☐ Limited Liability Corporation ☐ Governmental Agency

☐ Sole Proprietor ☐ Other

*State of incorporation or LLC

Name of person authorized to sign contracts *Title
(First Name, Middle Initial, Last Name)

Mailing address for contract City State Zip

Representative Information (Party who will relay project information and updates to the PG&E representative)

Name of Representative

Day Phone ( ) *Cell Phone ( ) *Fax ( ) *Email address

Mailing address City State Zip

*Contractor's Name *Contractor's Phone

Pacific Gas and Electric Company

APPLICATION FOR SERVICE
RESIDENTIAL SUBDIVISIONS / DEVELOPMENT

Credit Information (Party responsible for energy use after the meter is installed)

Name to appear on bill Day Phone( ) *Evening Phone ( )
(First Name, Middle Initial, Last Name)

☐ Individual ☐ Partnership ☐ Corporation ☐ Limited Liability Corporation ☐ Governmental Agency ☐ Sole Proprietor

☐ Other

Mailing address for bill City State Zip

*Does the customer currently have service with PG&E? ☐ No ☐ Yes

*If yes, please provide the PG&E Account Number

*Do you want the new service included on your existing bill? ☐ No ☐ Yes

*Desired Electric Rate Schedule *Desired Gas Rate Schedule

If you want additional information on rate options or want to request a free rate analysis, visit *http://www.pge.com/myhome/myaccount/rateinfo/* or call 1-877-PGE-SRVC. If a rate schedule is not selected, PG&E will select an applicable rate schedule.

Application and Design and Installation Options

As an applicant for new gas or electric service, you can choose either PG&E or a qualified contractor to design new gas/electric distribution and/or service facilities. You can also choose either PG&E or a qualified contractor to construct all or a portion of new gas/electric distribution and/or service facilities. PG&E will provide you with a bid for the design and the construction work, to assist you in making a selection. You will then have the opportunity to choose either a qualified contractor to perform the design/or construction work. In accordance with PG&E's filed tariffs, electric trenching, conduits, substructures and gas service trenching are the applicant's responsibility. Once you make a decision about who will perform the work, if you subsequently change your selection, you will be responsible for any re-engineering charges incurred as a result of that change.

You should become familiar with the applicant design installation requirements, including PG&E's Applicant Design Guide and General Terms and Conditions, before you make your selection. For copies of these documents and/or for additional information, visit ~~*www.pge.com/mybusiness/customerservice/otherrequests/newconstruction/processguide/step1/appdes.shtml*~~ *http://www.pge.com/cco* or request information by calling 1-877-PGE-SRVC.

PG&E must provide project specific information to design contractors. PG&E can provide this information sooner if we know whether or not you are considering using a design contractor to design gas/electric distribution or service facilities.

Providing this information on this Application is voluntary and is not binding. PG&E will provide you with a bid for the design work regardless of whether or not you answer this question now and will not require a final decision from you until later in the process.

Are you currently planning to use a design contractor? Yes No

Electric Sample Form No. 62-0685 Sheet 1
Application for Service -- Commercial/Industrial Development

Please Refer to Attached
Sample Form

APPLICATION FOR SERVICE
COMMERICAL / INDUSTRIAL DEVELOPMENT

Please complete this application and submit the completed form and attachments to PG&E Application for Service at P.O. Box 24047, Fresno, CA, 93706-2010. You may also submit applications at ~~www.pge.com/mybusiness/customerservice/otherrequests/newconstruction/~~ http://www.pge.com/cco -or call 1-877-PGE-SRVC.
**Indicates optional fields.*

Project Type

☐ Commercial Service (new) ☐ Commercial/Industrial Development ☐ Commercial/Industrial Service Upgrade (additional load / equipment)

☐ Industrial Service (new) ☐ Mixed Use Commercial/Residential Number of Buildings Number of Electric Services

Project Information

☐ Gas Service ☐ Electric Overhead Service ☐ Electric Underground Service Date Initial Service Needed

Project Address or Lot Number City County Zip

Nearest Cross Street

*Assessor's Parcel No. * Building Permit No.

Applicant / Company Name

☐ Individual ☐ Partnership ☐ Corporation ☐ Limited Liability Corporation ☐ Governmental Agency

☐ Sole Proprietor ☐ Other

Day Phone ( ) *Cell Phone ( ) *Fax ( ) *Email address

(Correspondence will be sent via e-mail)

Applicant Address City State Zip

Contract Information

Legal name to appear on contract

☐ Individual ☐ Partnership ☐ Corporation ☐ Limited Liability Corporation ☐ Governmental Agency

☐ Sole Proprietor ☐ Other

*State of incorporation or LLC

Name of person authorized to sign contracts * Title

(First Name, Middle Initial, Last Name)

Mailing address for contract City State Zip

Representative Information **(Party who will relay project information and updates to the PG&E representative)**

Name of Representative

Day Phone ( ) *Cell Phone ( ) *Fax ( ) *Email address

Mailing address City State Zip

*Contractor's Name *Contractor's Phone ( )

Pacific Gas and Electric Company

APPLICATION FOR SERVICE
COMMERICAL / INDUSTRIAL DEVELOPMENT

Credit Information (Party responsible for energy use after the meter is installed)

Name/Company Name to appear on bill Day Phone ( ) *Evening Phone ( )

(First Name, Middle Initial, Last Name)

☐ Individual ☐ Partnership ☐ Corporation ☐ Limited Liability Corporation ☐ Governmental Agency

☐ Sole Proprietor ☐ Other

Mailing address for bill City State Zip

Does the customer currently have service with PG&E? ☐ No ☐ Yes

*If yes, please provide the PG&E Account Number

*Do you want the new service included on your existing bill? ☐ No ☐ Yes

*NAICS (North America Industrial Classification System) Code *Business Activity

*Desired Electric Rate Schedule *Desired Gas Rate Schedule

If you want additional information on rate options or want to request a free rate analysis, visit

http://www.pge.com/mybusiness/myaccount/rates/ or call 1-877-PGE-SRVC. If a rate schedule is not selected, PG&E will select an applicable rate schedule.

Applicant Design and Installation Options

As an applicant for new gas or electric service, you can choose either PG&E or a qualified contractor to design new gas/electric distribution and/or service facilities. You can also choose either PG&E or a qualified contractor to construct all or a portion of new gas/electric distribution and/or service facilities. PG&E will provide you with a bid for the design and the construction work, to assist you in making a selection. You will then have the opportunity to choose either a qualified contractor to perform the design/or construction work.

In accordance with PG&E's filed tariffs, electric trenching, conduits, substructures and gas service trenching are the applicant's responsibility. Once you make a decision about who will perform the work, if you subsequently change your selection, you will be responsible for any re-engineering charges incurred as a result of that change.

You should become familiar with the applicant design installation requirements, including PG&E's Applicant Design Guide and General Terms and Conditions, before you make your selection. For copies of these documents and/or for additional information, visit Document, Preliminary Statement Part A ~~*www.pge.com/newconstruction/processguide/step1/appdes.shtml*~~ *http://www.pge.com/cco* or request information by calling 1-877-PGE-SRVC.

PG&E must provide project specific information to design contractors. PG&E can provide this information sooner if we know whether or not you are considering using a design contractor to design gas/electric distribution or service facilities.

Providing this information on this Application is voluntary and is not binding. PG&E will provide you with a bid for the design work regardless of whether or not you answer this question now and will not require a final decision from you until later in the process.

Are you currently planning to use a design contractor? Yes No

Electric Sample Form No. 62-0686 Sheet 1
Application for Service -- Agricultural Service

Please Refer to Attached
Sample Form

APPLICATION FOR SERVICE
AGRICULTURAL SERVICE

Please complete this application and submit the completed form to PG&E Application for Service at P.O. Box 24047,Fresno, CA 93706-2010. You may also submit applications at ~~http://www.pge.com/mybusiness/customerservice/otherrequests/newconstruction~~ http://www.pge.com/cco or call 1-877-PGE-SRVC.

** Indicates optional fields.*

Project Type

Applicants will be served under an agricultural rate schedule if 70% or more of the annual energy use on the meter is for agricultural end-uses. Agricultural end-uses consist of: (a) growing crops, (b) raising livestock, (c) pumping water for irrigation of crops, or (d) other uses which involve production for sale. (Note: PG&E's Electric Rule 1 contains the complete qualification criteria for agricultural rates).

What percentage of the annual energy use will be for agricultural end-uses?

☐ New Agricultural Service ☐ Additional Load or Equipment to Existing Agricultural Service

Number of Buildings Number of Services

Project Information

☐ Gas Service ☐ Electric Overhead Service ☐ Electric Underground Service Date Initial Service Needed

Project Address or Lot Number City County Zip

Nearest Cross Street

*Assessor's Parcel No. *Building Permit No.

Applicant / Company Name

☐ Individual ☐ Partnership ☐ Corporation ☐ Limited Liability Corporation ☐ Governmental Agency

☐ Sole Proprietor ☐ Other

Day Phone *Cell Phone ( ) *Fax ( ) *Email address

(Correspondence will be sent via e-mail)

Applicant Mailing Address City State Zip

Contract Information

Legal Name to appear on contract

☐ Individual ☐ Partnership ☐ Corporation ☐ Limited Liability Corporation ☐ Governmental Agency

☐ Sole Proprietor ☐ Other

*State of incorporation or LLC

Name of person authorized to sign contracts *Title

(First Name, Middle Initial, Last Name)

Mailing address for contract City State Zip

Pacific Gas and Electric Company

APPLICATION FOR SERVICE
AGRICULTURAL SERVICE

Representative Information (Party who will relay project information and updates to the PG&E representative)

Name of Representative

Day Phone ( ) *Cell Phone ( ) *Fax ( ) *Email address

Mailing address City State Zip

*Contractor's Name *Contractor's Phone

Credit Information (Party responsible for energy use after the meter is installed)

Name/Company Name to appear on bill Day Phone ( ) *Evening Phone ( )

(First Name, Middle Initial, Last Name)

☐ Individual ☐ Partnership ☐ Corporation ☐ Limited Liability Corporation ☐ Governmental Agency

☐ Sole Proprietor ☐ Other

Mailing address for bill City State Zip

*Does the customer currently have service with PG&E? ☐ No ☐ Yes

*If yes, please provide the PG&E Account Number

*Do you want the new service included on your existing bill? ☐ No ☐ Yes

*NAICS (North America Industrial Classification System) Code *Business Activity

*Desired Electric Rate Schedule *Desired Gas Rate Schedule

The applicant is **required** to select an Agricultural Rate schedule before receiving service. If you want additional information on rate options or want to request a free rate analysis, visit *http://www.pge.com/about/rates/rateinfo/rateoptions/agricultural/* or call 1-877-PGE-SRVC.

Application and Design and Installation Options

As an applicant for new gas or electric service, you can choose either PG&E or a qualified contractor to design new gas/electric distribution and/or service facilities. You can also choose either PG&E or a qualified contractor to construct all or a portion of new gas/electric distribution and/or service facilities. PG&E will provide you with a bid for the design and the construction work, to assist you in making a selection. You will then have the opportunity to choose either a qualified contractor to perform the design/or construction work.

In accordance with PG&E's filed tariffs, electric trenching, conduits, substructures and gas service trenching are the applicant's responsibility. Once you make a decision about who will perform the work, if you subsequently change your selection, you will be responsible for any re-engineering charges incurred as a result of that change.

You should become familiar with the applicant design installation requirements, including PG&E's Applicant Design Guide and General Terms and Conditions, before you make your selection. For copies of these documents and/or for additional information, visit

~~www.pge.com/mybusiness/customerservice/otherrequests/newconstruction/processguide/step1/appdes.shtml~~ http://www.pge.com/cco or request information by calling 1-877-PGE-SRVC.

PG&E must provide project specific information to design contractors. PG&E can provide this information sooner if we know whether or not you are considering using a design contractor to design gas/electric distribution or service facilities.

Providing this information on this Application is voluntary and is not binding. PG&E will provide you with a bid for the design work regardless of whether or not you answer this question now and will not require a final decision from you until later in the process.

Are you currently planning to use a design contractor? Yes No

Electric Sample Form No. 62-0687 Sheet 1
Application for Service -- Existing Service Relocate/Change Service

Please Refer to Attached
Sample Form

APPLICATION FOR SERVICE
EXISTING SERVICE RELOCATE / CHANGE SERVICE

Please complete this application and submit the completed form and attachments to PG&E Application for Service at P.O. Box 24047 Fresno CA, 93706-2010. You may also submit applications at ~~www.pge.com/mybusiness/customerservice/otherrequests/newconstruction/~~ http://www.pge.com/cco or call 1-877-PGE-SRVC.
**Indicates optional fields.*
This application is intended for stand-alone relocation requests. If your project also requires new service, please complete a new service application in place of this one. New service applications can be found at http://www.pge.com/cco~~http://www.pge.com/mybusiness/customerservice/brochuresforms/~~.

Project Type

Type of Work (please choose one)

☐ Residential Single Family ☐ Residential Subdivision ☐ Commercial/Industrial/Agricultural

☐ Mixed Use (Commercial/Residential Combination) ☐ Agency (City, County, Cal-Trans)

Reason for Relocation / Rearrangement Request (please check all that apply) *

☐ Panel/Meter Relocation (Gas & Electric) ☐ Panel Upgrade (No Load Added) ☐ Panel Upgrade (Added Load)

☐ Temporarily De-energize Panel ☐ Temporarily De-energize Service ☐ Temporarily Disconnect Service

☐ Cut off/Demolition ☐ Meter or Meter Size Change ☐ Service Relocation (Pipes & Electric Wires)

☐ Relocate PG&E Facilities (Poles, Boxes, Wires, Pipes, Guys) ☐ Overhead to Underground Conversion

☐ Other _____

Description of Work Requested: _____

Project Information

☐ Gas ☐ Electric Overhead ☐ Electric Underground ☐ Date Relocation Needed

Project Address or Lot Number City County Zip

Nearest Cross Street

Applicant / Company Name

☐ Individual ☐ Partnership ☐ Corporation ☐ Limited Liability Corporation ☐ Governmental Agency

☐ Sole Proprietor ☐ Other

Day Phone ( ) *Cell Phone( ) *Fax ( ) *Email address

(Correspondence will be sent via e-mail)

Applicant Address City State Zip

*Building Permit Number *PG&E Account Number Date PG&E facility rearrangement / relocation needed

PG&E may relocate or rearrange service in accordance with Gas and/or Electric Rules 2, 13, 15, 1, 20, 21 and LS schedules as applicable. There may be circumstances where application of PG&E's distribution/service extension rules would place an undue financial burden on PG&E. In these cases, PG&E may apply the exceptional case provisions of its Rules 15 and 16.

Pacific Gas and Electric Company

APPLICATION FOR SERVICE
EXISTING SERVICE RELOCATE / CHANGE SERVICE

Contract Information

Legal name to appear on contract

☐ Individual ☐ Partnership ☐ Corporation ☐ Limited Liability Corporation ☐ Governmental Agency

☐ Sole Proprietor ☐ Other

*State of incorporation or LLC

Name of person authorized to sign contracts

(First Name, Middle Initial, Last Name)

Mailing address for contract City State Zip

*Contractor's Name *Contractor's Phone ( )

Representative Information **(Party who will relay project information and updates to the PG&E representative)**

Name of Representative

Day Phone ( ) *Cell Phone ( ) *Fax ( ) *Email address

Mailing address City State Zip

*Contractor's Name *Contractor's Phone ( )

Construction Information

You are permitted to select either PG&E or your own contractor to construct all or a portion of any new gas/electric distribution and / or service facilities. However, only PG&E may work on energized or pressurized facilities. More details regarding the installation option requirements are available through your local PG&E office. You should become familiar with the requirements before you make your selection (Please see the following pages under installation options for specific information. For projects that require both relocation work and new service, please complete the appropriate new service application. Those new service (and associated relocation work) applications can be found at http://www.pge.com/cco~~http://www.pge.com/mybusiness/customerservice/brochuresforms/~~.

*If trenching is required, who will trench, backfill, and provide and install conduit?

☐ Applicant ☐ PG&E

*Proposed trench occupants: (please check all that apply)

☐ Electric ☐ Gas ☐ Phone ☐ CATV ☐ Other

Water, sanitary sewer, storm drain, LPG, oil or other fluid carrying piping or facilities are not permitted in a joint trench.

IMPORTANT NOTE: Do NOT install your electric main switch or gas house line until the location is approved by PG&E.

Electric Sample Form No. 62-0980 Sheet 1
Distribution Service and Extension Agreement Declarations

Please Refer to Attached
Sample Form

Pacific Gas and Electric Company

DISTRIBUTION:
☐ Applicant (copy)
☐ Division (copy)
☐ CFM(Original)

REFERENCES:
Notification # _____
E-PM # _____
G-PM # _____
Bill Doc # _____
MLX # _____
Prior MLX # _____
Customer # _____

DISTRIBUTION SERVICE AND EXTENSION AGREEMENT DECLARATIONS[1]

Submitted to Applicant by:

PG&E REP NAME

Date of issuance:_____

1. _____**(Applicant),** has requested **PACIFIC GAS AND ELECTRIC COMPANY**, a California corporation (PG&E), to deliver **Gas / Electric** energy to the property situated at **Enter Address Here** and shown on the attached drawings.

2. **Applicable Documents.** The cost summary for the facilities to be installed is attached hereto as Exhibit A. These facilities shall be installed in accordance with the applicable rules on file with the California Public Utilities Commission (which may include Gas and Electric Rules 2, 13, 15, 16, and 20), as well as the requirements set forth in the Provisions (Form 62-0982) and the General Terms and Conditions for Gas and Electric Service by Applicant (Form 79-716) These documents are located online in PG&E's Tariff Book, which is available at ~~http://www.pge.com/customer_service/new_construction_services/~~ http://www.pge.com/cco . Should you require hard copies please contact your PG&E Representative.

3. **Construction Options.** The responsibility for providing line extension work is divided between PG&E and the Applicant. However, Applicant may chose to have a qualified contractor perform some of the work that is PG&E's responsibility, and may choose to have PG&E perform some or all of the work that is the Applicant's responsibility. PG&E will reimburse or collect money based on its estimate of the costs, subject to the applicable rules. Based on Applicant's request, the contract costs are based on the following construction options:

PG&E Responsibility [1]		To Be Performed By	
		PG&E	Applicant
Gas	Main Trench	☐	☐
	Main Pipe Installation	☐	☐
	Service Pipe Installation	☐	☐
Electric	Distribution Wire and Equipment Installation	☐	☐
	Service Wire Installation	☐	☐

Applicant Responsibility [2]		To Be Performed By	
		PG&E	Applicant
Gas	Service Trench	☐	☐
Electric	Distribution Trench	☐	☐
	Service Trench	☐	☐
	Distribution Substructure Installation	☐	☐
	Service Substructure Installation	☐	☐

1. PG&E's responsibilities per Rule 15.b.1.b and Rule 16.D.2
2. Applicant's responsibilities per Rule 15.b.1.a and Rule 16.D.1

Electric Sample Form No. 79-1014 Sheet 1
Direct Access Customer Relocation Declaration

Please Refer to Attached Sample Form

Pacific Gas and Electric Company®

DIRECT ACCESS CUSTOMER RELOCATION DECLARATION — ATTACHMENT 1 —

Name On Account: _____

Current Location Information (Service Account(s) listed by PG&E Service Agreement Number):

Service Agreement Number: _____
Service Address: _____
City, State, ZIP: _____
Meter Number: _____

Service Agreement Number: _____
Service Address: _____
City, State, ZIP: _____
Meter Number: _____

Service Agreement Number: _____
Service Address: _____
City, State, ZIP: _____
Meter Number: _____

New Location Information (Service Account(s) listed by PG&E Service Agreement Number):

(The direct access service will occur at the New Location and, if only part of its business or operations is relocated, the Current Location may also continue to receive direct access service)

Service Agreement Number: _____
Service Address: _____
City, State, ZIP: _____
Meter Number: _____

Service Agreement Number: _____
Service Address: _____
City, State, ZIP: _____
Meter Number: _____

Service Agreement Number: _____
Service Address: _____
City, State, ZIP: _____
Meter Number: _____

(For more service accounts, please list the additional service accounts on a separate sheet and attach it to this form.)

Upon receipt by PG&E of the customer relocation declaration, PG&E shall review the information and notify ESP within five (5) business days either that (a) the relocation declaration has been accepted; or (b) PG&E has reasonable cause not to process the customer relocation declaration. Upon receiving notification of the relocation declaration's acceptance under subsection (a) above, ESP must submit a DASR to PG&E within sixty (60) days of either a) this relocation declaration's acceptance by PG&E or b) establishment of electric service at the New Location, whichever is later. Upon receiving denial notification from PG&E under subsection (b) above, PG&E and ESP shall confer as soon as possible to determine what additional information is required in order for the relocation declaration to be accepted. This document may be executed in counterparts and submitted by email ~~or fax~~, however PG&E reserves the right to request the original signature documents if needed.

Electric Sample Form No. 79-1069 Sheet 1
Generating Facility Interconnection Agreement (Multiple Tariff)

Please Refer to Attached
Sample Form

GENERATING FACILITY INTERCONNECTION AGREEMENT (MULTIPLE TARIFF)

This *Generating Facility Interconnection Agreement (Multiple Tariff)* (Agreement) is entered into by and between _____ (Producer), and Pacific Gas and Electric Company (PG&E) a California Corporation. Producer and PG&E are sometimes also referred to in this Agreement jointly as "Parties" or individually as "Party." In consideration of the mutual promises and obligations stated in this Agreement and its attachments, the Parties agree as follows:

1. SCOPE AND PURPOSE

This Agreement provides for Producer to interconnect and operate a Generating Facility in parallel with PG&E's Distribution System to serve the electrical loads at the location identified in Section 2.4 (or for the qualifying energy where permitted under Section 218 of the California Public Utilities Code (PUC). The Generating Facility may be any combination of generators, but must include at least one "Eligible customer-generator." Eligible customer-generators consist of any Renewable Electrical Generation Facility(ies) (as defined in PG&E's Schedule NEM) or Eligible Fuel Cell Electrical Generating Facility(ies) (as defined in PG&E's Schedule NEMFC).

1.1. This Agreement provides for Producer to operate the Eligible Generator(s) pursuant to the provisions of Section 2827 et seq. of the PU Code and the applicable PG&E tariffs for net energy metering. This Agreement also provides for Producer to operate its Non-Eligible Generator(s). This Agreement does not provide for retail electrical service by PG&E to Producer. Such arrangements must be made separately between PG&E and Producer.

1.2. This Agreement does not address Producer's account billing and payment for energy consumption. For the Generating Facility as specified in Section 2 of this Agreement, please refer to the applicable PG&E net-energy-metered (NEM) tariff schedules for billing and payment protocol.

1.3. NEM Transition - Customers receiving service on the current NEM tariff prior to the date that PG&E reaches its NEM Cap or July 1, 2017, whichever is earlier are subject to the NEM Transition Provisions outlined in Rate Schedule NEM. Please see Rate Schedule NEM at: ~~http://www.pge.com/tariffs/tm2/pdf/ELEC_SCHEDS_NEM.pdf~~ https://www.pge.com/tariffs/assets/pdf/tariffbook/ELEC_SCHEDS_NEM.pdf for more details.

2. SUMMARY AND DESCRIPTION OF PRODUCER'S GENERATING FACILITY

2.1 A description of the Generating Facility, including a summary of its significant components and a single-line diagram showing the general arrangement of how Producer's Generating Facility and loads are interconnected with PG&E's Distribution System, are attached to and made a part of this Agreement. (Supplied by Producer as Appendix A).

material breach of this Agreement and PG&E may initiate termination in accordance with the terms of Section 4.2(b).

5.7 Producer shall not deliver reactive power to PG&E's Distribution System unless the Parties have agreed otherwise in writing.

5.8 The Generating Facility shall be operated with all of Producer's Protective Functions in service whenever the Generating Facility is operated in parallel with PG&E's Distribution System. Any deviation from these requirements may occur only when the Parties have agreed to such deviations in writing.

5.9 If Producer declares that its Generating Facility meets the requirements for Cogeneration as such term is used in Section 216.6 of the PUC (or any successor definition of Cogeneration (Cogeneration Requirements), Producer warrants that, beginning on the date of Initial Operation and continuing throughout the term of this Agreement, its Generating Facility shall continue to meet such Cogeneration Requirements, per Appendix D of this Agreement.

5.10 If Producer's Generating Facility includes any energy storage device(s), Distribution Provider may provide requirements that must be met by the Producer prior to initiating Parallel Operation with PG&E's Distribution System and throughout the term of this Agreement, including but not limited to the requirements set forth in Appendix I of this Agreement.

5.11 Smart Inverters

For Producer applications received on or after September 9, 2017, the Producer certifies that their inverter-based Generating Facilities fully comply with Section Hh of Rule 21, including configuration of protective settings and default settings, in accordance with the specifications therein.

Distribution Provider may require a field verification of the Producer's inverter. Producer further agrees to cooperate fully with any such request and make their inverter available to the Distribution Provider for such verification. Producer understands that in the event the inverter is not set in accordance with Section Hh of Rule 21, Producer will need to cease operation of generating facility until verification is confirmed by Distribution Provider.

(Solar inverter models and firmware versions that comply with Rule 21 Section Hh can be found at:
~~http://www.gosolarcalifornia.org/equipment/inverters.php~~
https://www.energy.ca.gov/programs-and-topics/topics/renewable-energy/solar-equipment-lists.)

Appendix H

SCHEDULE NEM CUSTOMER-GENERATOR WARRANTY THAT IT MEETS THE REQUIREMENTS FOR AN ELIGIBLE CUSTOMER-GENERATOR AND IS AN ELIGIBLE RENEWABLE ELECTRICAL GENERATION FACILITY PURSUANT TO SECTION 2827 OF THE CALIFORNIA PUBLIC UTILITIES CODE

(This Affidavit needs to be completed and submitted to PG&E by the Customer-Generator every time a new NEM interconnection agreement for a Renewable Electrical Generation Facility is executed or whenever there is a change in ownership of the Generating Facility).

Circle Type of Renewable Electrical Generation Facility:

biomass	geothermal	municipal solid waste
solar thermal	fuel cell	landfill gas
small hydroelectric generation	ocean wave	digester gas
ocean thermal	tidal current	

NEM Customer-Generator (Customer) declares that

(1) it meets the requirements to be an "Eligible Customer-Generator" and its Generating Facility.

(2) (a) meets the requirements of an "Renewable Electrical Generation Facility", as defined in Section 2827(b)(5) of the California Public Utilities Code and (b) satisfies the definitions of the renewable resource for the Renewable Electrical Generation Facility in the latest version of the California Energy Commission's (CEC's) Renewables Portfolio Standard (RPS) Eligibility Guidebook and the Overall Program Guidebook. [2] (Eligibility Requirements).

[2] The RPS Guidebooks can be found at: ~~http://www.energy.ca.gov/renewables/documents/index.html#rps~~ https://www.energy.ca.gov/programs-and-topics/programs/renewables-portfolio-standard

Electric Sample Form No. 79-1069-02 Sheet 1
Generating Facility Interconnection Agreement (Multiple Tariff NEM2MT)

Please Refer to Attached
Sample Form

5.10 In order to promote the safety and reliability of the customer Generating Facility, the applicant certifies that as a part of each interconnection request for a NEM and/or NEM2 Generating Facility, that all major solar system components (if any) are on the verified equipment list maintained by the California Energy Commission and certifies that other equipment, as determined by PG&E, has safety certification from a nationally recognized testing laboratory.

5.11 Producer certifies as a part of each interconnection request for a NEM and/or NEM2 Eligible Generating Facility that

(i) a warranty of at least 10 years has been provided on all equipment and on its installation, or

(ii) a 10-year service warranty or executed "agreement" has been provided ensuring proper maintenance and continued system performance.

5.12 Producer rs on this tariff must pay for the interconnection of their NEM2 Generation Facilities as provided in Electric Rule 21, pursuant to Decision 16-01-044.

5.13 If Producer's Generating Facility includes any energy storage device(s), Distribution Provider may provide requirements that must be met by the Producer prior to initiating Parallel Operation with PG&E's Distribution System and throughout the term of this Agreement, including but not limited to the requirements set forth in Appendix I of this Agreement.

5.14 Smart Inverters

For Producer applications received on or after September 9, 2017, the Producer certifies that their inverter-based Generating Facilities fully comply with Section Hh of Rule 21, including configuration of protective settings and default settings, in accordance with the specifications therein.

Distribution Provider may require a field verification of the Producer's inverter. Producer further agrees to cooperate fully with any such request and make their inverter available to the Distribution Provider for such verification. Producer understands that in the event the inverter is not set in accordance with Section Hh of Rule 21, Producer will need to cease operation of generating facility until verification is confirmed by Distribution Provider.

(Solar inverter models and firmware versions that comply with Rule 21 Section Hh can be found at:

~~http://www.gosolarcalifornia.org/equipment/inverters.php~~https://www.energy.ca.gov/programs-and-topics/topics/renewable-energy/solar-equipment-lists.)

Verification of compliance with such requirements shall be provided by the Producer upon request by PG&E in accordance with PG&E's Electric Rule 21.

Appendix H

SCHEDULE NEM2 CUSTOMER-GENERATOR WARRANTY THAT IT MEETS THE REQUIREMENTS FOR AN ELIGIBLE CUSTOMER-GENERATOR AND IS AN ELIGIBLE RENEWABLE ELECTRICAL GENERATION FACILITY PURSUANT TO SECTION 2827.1 OF THE CALIFORNIA PUBLIC UTILITIES CODE

(This Affidavit needs to be completed and submitted to PG&E by the Customer-Generator every time a new NEM2 interconnection agreement for a Renewable Electrical Generation Facility is executed or whenever there is a change in ownership of the Generating Facility).

Check Type of Renewable Electrical Generation Facility:

☐ biomass	☐ geothermal	☐ municipal solid waste
☐ solar thermal	☐ fuel cell	☐ landfill gas
☐ small hydroelectric generation	☐ ocean wave	☐ digester gas
☐ ocean thermal	☐ tidal current	☐ Storage/Batteries _____ amp hours _____ inverter kWh

NEM2 Customer-Generator (Customer) declares that

(1) it meets the requirements to be an "Eligible Customer-Generator" and its Generating Facility.

(2) (a) meets the requirements of an "Renewable Electrical Generation Facility", as defined in Section 2827(b)(5) of the California Public Utilities Code and (b) satisfies the definitions of the renewable resource for the Renewable Electrical Generation Facility in the latest version of the California Energy Commission's (CEC's) Renewables Portfolio Standard (RPS) Eligibility Guidebook and the Overall Program Guidebook. [2] (Eligibility Requirements).

[2] The RPS Guidebooks can be found at: ~~http://www.energy.ca.gov/renewables/documents/index.html#rps~~ https://www.energy.ca.gov/programs-and-topics/programs/renewables-portfolio-standard

Electric Sample Form No. 79-1102 Sheet 1
Section 399.20 Power Purchase Agreement

Please Refer to Attached
Sample Form

Adequacy Benefits. Seller shall purchase all energy required to serve the Facility's on-site load, net of station use, from PG&E pursuant to PG&E's applicable retail rate schedule.

2.2.2 Excess Sale. Seller agrees to sell to PG&E the Facility's gross output in kilowatt-hours, net of Station Use and any on-site use by Seller and transformation and transmission losses to the Delivery Point into the PG&E system. Seller agrees to convey to PG&E all Green Attributes and Resource Adequacy Benefits associated with the energy sold to PG&E.

2.3 Delivery Term. The Seller shall deliver the Product from the Facility to PG&E for a period of (check one) ☐ ten (10), ☐ fifteen (15), or ☐ twenty (20) Contract Years ("Delivery Term"), which shall commence on the first date on which energy is delivered from the Facility to PG&E ("Initial Energy Delivery Date") under this Agreement and continue until the end of the last Contract Year unless terminated by the terms of this Agreement. The Initial Energy Delivery Date shall occur only when all of the following conditions have been satisfied:

(i) the Commercial Operation Date has occurred, if the Facility was not in operation prior to the Execution Date of this Agreement;

(ii) the Facility's status as an Eligible Renewable Energy Resource, is demonstrated by Seller's receipt of certification from the CEC and is registered in WREGIS; and

(iii) as evidence of the Initial Energy Delivery Date, the Parties shall execute and exchange the "Initial Energy Delivery Date Confirmation Letter" attached hereto as Appendix B on the Initial Energy Delivery Date.

2.4 Contract Price. Once both Parties have executed this Agreement PG&E shall pay Seller for each kilowatt hour ("kWh") of the Product delivered to PG&E during each Contract Year for the Delivery Term at the applicable Market Price Referent specified below for the Facility's actual Commercial Operation Date. Payment shall be adjusted by the appropriate Time of Delivery ("TOD") factor listed in Appendix C.

Adopted 2011 Market Price Referents - Long-Term Contracts[1] (Nominal - dollars/kWh)			
Resource Type	**10-Year**	**15-Year**	**20-Year**
2012 Baseload MPR	0.07688	0.08352	0.08956

[1] Note: Using 2011 as the base year, Staff calculates MPRs for 2012-2023 that reflect different project online dates. Link to 2011 MPR Model: ~~http://www.cpuc.ca.gov/PUC/energy/Renewables/mpr~~ https://www.cpuc.ca.gov/general.aspx?id=5599

Appendix D

COUNTERPARTY NOTIFICATION AND FORECASTING REQUIREMENTS

A. NOTIFICATION REQUIREMENTS FOR START-UP AND SHUTDOWN

Prior to paralleling to or after disconnecting from the electric system, ALWAYS notify your designated Distribution Operator as follows:

1. Call your Distribution Operator for permission to parallel before any start-up.
2. Call your Distribution Operator again after start-up with parallel time.
3. Call your Distribution Operator after any separation and report separation time as well as date and time estimate for return to service.

B. FORECASTING REQUIREMENTS

1. Seller shall abide with all established requirements and procedures described below:

(a) Generating Facilities 1000 kW and greater must comply with the CAISO Tariff and Protocols while generating facilities under 1000 kW must comply with all applicable interconnection, communication and metering rules; and

(b) Generating Facilities 100 kW and greater must provide a weekly forecast of their expected generation output.

2. Weekly Energy Forecasting Procedures.

Seller must meet all of the following requirements specified below:

Beginning the Wednesday prior to the planned Initial Operation of the Generating Facility, Seller will electronically provide PG&E with an Energy Forecast for the next calendar week, by no later than 5 PM Wednesday of the week preceding the week covered by the Energy Forecast.

The Weekly Energy Forecast submitted to PG&E shall:
a) Not include any anticipated or expected electric energy losses;
b) Be submitted using PG&E's website at https://~~www.pge.com/qic~~ http://www.pge.com/odms, or as otherwise instructed by PG&E;
c) Include Seller's contact information;

d) Limit Day Ahead forecast changes to no less than 100 kW.

3. Outage and Scheduled Maintenance Reporting Procedures.

Submit outage information by posting on PG&E's website at ~~https://www.pge.com/qic~~ http://www.pge.com/odms. If the website is unavailable, implement the procedures set forth below:

For project outages, complete the specifics below and submit by email to DAenergy@pge.com and Bilat_Settlements@pge.com

Email subject Field: dd/mm/yyyy – dd/mm/yyyy XYZ Company Project #2 Outage Notification

Email body:

Type of Outage: Planned Outage, Forced Outage, Prolonged Outage
Start Date and Start Time
Estimated or Actual End Date and End Time
Date and time when reported to PG&E and name(s) of PG&E representative(s)contacted.

C. CHANGES TO OPERATING PROCEEDURES.

Seller understands and acknowledges that the specified transmission and scheduling mechanisms, metering requirements, Forecasting , Outage and Scheduling Maintenance Reporting Procedures described therein are subject to change by Buyer from time to time and, upon receipt of Notice of any such changes, Seller agrees to work in good faith to implement any such changes as reasonably deemed necessary by Buyer; provided that such change does not result in an increase cost of performance to Seller hereunder other than de minimis amounts.

Electric Sample Form No. 79-1103 Sheet 1
Small Renewable Generator Power Purchase Agreement

Please Refer to Attached
Sample Form

Adequacy Benefits. Seller shall purchase all energy required to serve the Facility's on-site load, net of Station Use, from PG&E pursuant to PG&E's applicable retail rate schedule.

2.2.2 Excess Sale. Seller agrees to sell to PG&E the Facility's gross output in kilowatt-hours, net of Station Use and any on-site use by Seller and transformation and transmission losses to the Delivery Point into the PG&E system. Seller agrees to convey to PG&E all Green Attributes and Resource Adequacy Benefits associated with the energy sold to PG&E.

2.3 Delivery Term. The Seller shall deliver the Product from the Facility to PG&E for a period of (check one) ☐ ten (10), ☐ fifteen (15), or ☐ twenty (20) Contract Years ("Delivery Term"), which shall commence on the first date on which energy is delivered from the Facility to PG&E ("Initial Energy Delivery Date") under this Agreement and continue until the end of the last Contract Year unless terminated by the terms of this Agreement. The Initial Energy Delivery Date shall occur only when all of the following conditions have been satisfied:

(i) the Commercial Operation Date has occurred, if the Facility was not in operation prior to the Execution Date of this Agreement;

(ii) the Facility's status as an Eligible Renewable Energy Resource, is demonstrated by Seller's receipt of certification from the California Energy Commission ("CEC") and is registered in WREGIS; and

(iii) as evidence of the Initial Energy Delivery Date, the Parties shall execute and exchange the "Initial Energy Delivery Date Confirmation Letter" attached hereto as Appendix B on the Initial Energy Delivery Date.

2.4 Contract Price. PG&E shall pay Seller for each kilowatt hour ("kWh") of the Product delivered to PG&E during each Contract Year for the Delivery Term at the applicable Market Price Referent specified below for the Facility's actual Commercial Operation Date. Payment shall be adjusted by the appropriate Time of Delivery ("TOD") factor listed in Appendix C.

Adopted 2011 Market Price Referents - Long-Term Contracts[1]
(Nominal - dollars/kWh)

[1] Note: Using 2011 as the base year, Staff calculates MPRs for 2012-2023 that reflect different project online dates. Link to 2011 MPR Model: ~~http://www.cpuc.ca.gov/PUC/energy/Renewables/mpr~~https://www.cpuc.ca.gov/general.aspx?id=5599

SMALL RENEWABLE GENERATOR POWER PURCHASE AGREEMENT

APPENDIX D

Counterparty Notification and Forecasting Requirements

A. NOTIFICATION REQUIREMENTS FOR START-UP AND SHUTDOWN

Prior to paralleling to or after disconnecting from the electric system, ALWAYS notify your designated Distribution Operator as follows:

1. Call your Distribution Operator for permission to parallel before any start-up.
2. Call your Distribution Operator again after start-up with parallel time.
3. Call your Distribution Operator after any separation and report separation time as well as date and time estimate for return to service.

B. FORECASTING REQUIREMENTS

1. Seller shall abide with all established requirements and procedures described below:

   (a) Generating Facilities 1000 kW and greater must comply with the CAISO Tariff and Protocols while generating facilities under 1000 kW must comply with all applicable interconnection, communication and metering rules; and

   (b) Generating Facilities 100 kW and greater must provide a weekly forecast of their expected generation output.

2. Weekly Energy Forecasting Procedures.

   Seller must meet all of the following requirements specified below:

   Beginning the Wednesday prior to the planned Initial Energy Delivery Date of the Generating Facility, and every Wednesday thereafter, Seller will electronically provide PG&E with an Energy Forecast for the next calendar week, by no later than 5 PM Wednesday of the week preceding the week covered by the Energy Forecast.

   The Weekly Energy Forecast submitted to PG&E shall:

   a) Not include any anticipated or expected electric energy losses;

   b) Be submitted using PG&E's website at https://~~www.pge.com/qic~~http://www.pge.com/odms, or as otherwise instructed by PG&E;

   c) Include Seller's contact information;

d) Limit Day Ahead forecast changes to no less than 100 kW.

3. Outage and Scheduled Maintenance Reporting Procedures.

Submit outage information by posting on PG&E's website at https://~~www.pge.com/qie~~http://www.pge.com/odms. If the website is unavailable, implement the procedures set forth below:

For project outages, complete the specifics below and submit by email to DAenergy@pge.com and Bilat_Settlements@pge.com

Email subject Field: dd/mm/yyyy – dd/mm/yyyy XYZ Company Project #2 Outage Notification

Email body:

Type of Outage: Planned Outage, Forced Outage, Prolonged Outage
Start Date and Start Time
Estimated or Actual End Date and End Time
Date and time when reported to PG&E and name(s) of PG&E representative(s) contacted.

C. CHANGES TO OPERATING PROCEDURES.

Seller understands and acknowledges that the requirements of Appendix D are subject to change by Buyer from time to time and, upon receipt of Notice of any such changes, Seller agrees to work in good faith to implement any such changes as reasonably deemed necessary by Buyer; provided that such change does not result in an increase cost of performance to Seller other than de minimis amounts.

Electric Sample Form No. 79-1109 Sheet 1

Virtual Net Energy Metering Application and Interconnection Agreement for the
Building Owner of Multifamily Affordable Housing with a Solar Generating Facility of 1 Megawatt or Less

Please Refer to Attached
Sample Form

C. **NEM Transition**

Customers receiving service on the current NEMVMASH tariff prior to the date that PG&E reaches its NEM Cap or July 1, 2017, whichever is earlier are subject to the NEM Transition Provisions outlined in Rate Schedule NEM. Please see Rate Schedules NEMVMASH at:
~~http://www.pge.com/tariffs/tm2/pdf/ELEC_SCHEDS_NEMVMASH.pdf~~
https://www.pge.com/tariffs/assets/pdf/tariffbook/ELEC_SCHEDS_NEMVMASH.pdf and Rate Schedule NEM at:
~~http://www.pge.com/tariffs/tm2/pdf/ELEC_SCHEDS_NEM.pdf~~
https://www.pge.com/tariffs/assets/pdf/tariffbook/ELEC_SCHEDS_NEM.pdf for more details.

D. Description of Service (this Agreement is being filed for, check all that apply)**:**

- ❑ A New NEMVMASH Generating Facility interconnection (at an existing service).
- ❑ For Physical Changes to an interconnected NEMVMASH Generating Facility with previous approval by PG&E (adding PV panels, changing inverters, or changing load and/or operations).
- ❑ A New NEMVMASH interconnection in conjunction with a new service. An **Application for Service** must be completed. Additional fees may be required if a service or line extension is required (in accordance with PG&E Electric Rules 15 and 16). Please contact PG&E at 1-800-PGE-5000 (or 1-800-743-5000).
- ❑ A Reallocation of Solar Energy Generation Credits for an Existing NEMVMASH Facility (see Appendix A). For a reallocation, Owner only needs to fill out Part I, sign Part IV, and complete Appendix A with the reallocation for the NEMVMASH accounts.

E. Owner's Generating Facility Information - Where will the Generating Facility be installed?

Name shown on Owner's PG&E service account (Must Match Owner's Name on PG&E Energy Bill)			
Street Address			
City		State	Zip
Mailing Address			
City		State	Zip
Business Phone	Home Phone	Fax	Email

F. Contractor Information (Must be completed even if Contractor will not serve as a PG&E contact).

Contractor	Company Name
Mailing Address	
City	State / Zip
Business Phone / Fax / Email	

❑ This contractor is to be used as PG&E contact and is authorized by Owner to receive confidential Owner information and act on behalf of Owner with respect to this agreement.

G. Other Contact Information (This information is optional).

Contact Person	Company Name	
Mailing Address		
City	State	Zip
Business Phone	Fax	Email

❑ This contact person is to be used as PG&E contact and is authorized by Owner to receive confidential Owner information and act on behalf of Owner with respect to this agreement.

By checking the boxes above and signing this agreement, Owner authorizes PG&E to release information to the contact(s) named above regarding Owner's usage and billing information, Generating Facility location, size and operational characteristics as requested in the course of this interconnection process. PG&E is granted permission to share information with authorized recipients for a period of **two years** from the date this agreement is received by PG&E. Contact(s) are also authorized to make changes to rates and metering arrangements which may result in charges to Owner. Should Owner wish to select a different authoriziaton period, Owner may utilize the *Authorization to Received Customer Information or Act on a Customer's Behalf*, which may be found at:
~~www.pge.com/includes/docs/pdfs/shared/newgenerator/solarwindgenerators/standardenet/customer_behalf_app.pdf~~https://www.pge.com/tariffs/assets/pdf/tariffbook/ELEC_FORMS_79-1095.pdf

In addition, Owner authorizes PG&E to release to the California Energy Commission (CEC) information regarding Owner's facility, including Owner's name and Generating Facility location, size, and operational characteristics, as requested from time to time pursuant to the CEC's rules and regulations.

Part II – Selecting the Study Process

Please check one:

- ❑ Fast Track Process
- ❑ Detailed Study (not typical)
  - Will be either an Independent Study Process, Distribution Group Study Process or Transmission Cluster Study Process, dependent upon the Electrical Independence Tests.

Part III – Requirements for Interconnection

In submitting this document, I the Owner, understand and agree to the following terms and conditions:

Permission to Interconnect
Owner must not operate their Generating Facility in parallel with PG&E's Distribution System until they receive written authorization for Parallel Operation from PG&E. Unauthorized Parallel Operation could result in injury to persons and/or damage to equipment and/or property for which the Owner may be liable.

Safe Operation of your Generating Facility
Notwithstanding any other provision of this Agreement, if at any time PG&E determines that either (a) the Owner's Facility, or its operation, may endanger PG&E personnel, or (b) the continued operation of the Owner's Facility may endanger the safe and reliable operation of PG&E's electrical system, PG&E shall have the right to disconnect the Facility from PG&E's system. Owner's Facility shall remain disconnected until such time as PG&E is satisfied that the unsafe condition(s) have been corrected.

Interconnections on PG&E's Secondary Network

PG&E requires an Owner to install an AC disconnect switch to facilitate maintenance of the Owner's equipment (i.e. inverter, PV arrays, etc.). The AC disconnect switch provides PG&E the ability to isolate the Owner's generator from the NEMVMASH Eligible Low Income Facility and utility's Distribution System.

b. A description of the specific **inverter**(s) used to control the interconnection between PG&E and the Generating Facility, including rating, brand name, and model number. Only CEC-certified inverters[2] will pass the requirements for Simplified Interconnection per PG&E's Electric Rule 21. Non-certified units will require further study and may involve additional costs.

c. A complete description of the **generating equipment Owner plans to install**. The description must include the photovoltaic panel manufacturer name, model number, number of panels, and the nameplate rating. As with the inverters, only CEC-certified will pass the requirements for Simplified Interconnection. (See the PG&E website www.pge.com/gen or the CEC website in footnote 1 below.)

d. A description of how the power output from the inverter is connected to the **main service panel via a branch breaker.** The ampere rating of this branch breaker and the main service panel breaker must be compatible with the output rating of the Generating Facility. The output rating is computed based on the total nameplate rating of the inverter.

e. PG&E requires **a generation output meter.** The description must include the meter manufacturer, model number and type (socket or panel), as well as any other relevant information (e.g., socket, panels, breakers, etc.). If instrument transformers are required, the description should include this information.

3. **Site Diagram** – The site diagram must show the building or buildings that will be included as part of the Eligible Low Income Housing that meets the applicable Service Delivery Point requirements if any, in the Applicability Section of NEMVMASH, the meter locations, and denote where the PV solar generating facility will be located and interconnected.

4. Information regarding any existing **insurance coverage** (liability and/or property) for the Schedule NEMVMASH Generating Facility location –

   Owner shall meet all applicable safety and performance standards established by the National Electrical Code, the Institute of Electrical and Electronics Engineers, accredited testing laboratories such as Underwriters Laboratories and, where applicable, rules of the California Public Utilities Commission regarding safety and reliability. An Owner with a solar electric Generating Facility that meets those standards and rules shall not be required to install additional controls, perform or pay for additional tests, or purchase additional liability insurance.

   To the extent that Owner has currently in force property insurance and commercial general liability or personal liability insurance, Owner agrees that it will maintain such insurance in force for the duration of this Agreement in no less amounts than those currently in effect. Pacific Gas and Electric Company shall have the right to inspect or obtain a copy of the original policy or policies of insurance prior to commencing operation. As long as Owner meets the requirements of this section, Owner shall not be required to purchase any additional liability insurance.

   ❑ I have insurance. I hereby certify that there is presently insurance coverage in the amount of $_____ for the Schedule NEMVMASH Generating Facility location.

   Insuring Company's Name: _____

   Insurance Policy # _____

   ❑ I **do not** have insurance. I hereby certify that there is presently $0 (zero) dollars of insurance for the Schedule NEMVMASH Generating Facility location.

5. A copy of the **final, signed, jurisdictional approval (building permit) for Owner's Generating Facility** from the local government entity with jurisdiction over the Owner's project. **Owner's agreement package will not be complete until PG&E receives this document.**

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[2] The CEC's eligible equipment list can be found under the CSI heading at: ~~www.consumerenergycenter.org/erprebate/equipment.html~~https://www.energy.ca.gov/programs-and-topics/topics/renewable-energy/solar-equipment-lists

Electric Sample Form No. 79-1109-02 Sheet 1

NEM2VMSH Virtual Net Energy Metering Application and Interconnection Agreement for the Building Owner of Multifamily Affordable Housing with a Solar Generating Facility of 1 Megawatt or Less

Please Refer to Attached Sample Form

F. Other Contact Information (This information is optional).

Contact Person	Company Name	
Mailing Address		
City	State	Zip
Business Phone	Fax	Email

❑ This contact person is to be used as PG&E contact and is authorized by Owner to receive confidential Owner information and act on behalf of Owner with respect to this agreement.

By checking the boxes above and signing this agreement, Owner authorizes PG&E to release information to the contact(s) named above regarding Owner's usage and billing information, Generating Facility location, size and operational characteristics as requested in the course of this interconnection process. PG&E is granted permission to share information with authorized recipients for a period of **two years** from the date this agreement is received by PG&E. Contact(s) are also authorized to make changes to rates and metering arrangements which may result in charges to Owner. Should Owner wish to select a different authoriziaton period, Owner may utilize the *Authorization to Received Customer Information or Act on a Customer's Behalf*, which may be found at:
~~www.pge.com/includes/docs/pdfs/shared/newgenerator/solarwindgenerators/standardenet/customer_behalf_app.pdf~~https://www.pge.com/tariffs/assets/pdf/tariffbook/ELEC_FORMS_79-1095.pdf

In addition, Owner authorizes PG&E to release to the California Energy Commission (CEC) information regarding Owner's facility, including Owner's name and Generating Facility location, size, and operational characteristics, as requested from time to time pursuant to the CEC's rules and regulations.

Part II – Selecting the Study Process

Please check one:

- ❑ Fast Track Process
- ❑ Detailed Study (not typical)
  - Will be either an Independent Study Process, Distribution Group Study Process or Transmission Cluster Study Process, dependent upon the Electrical Independence Tests.

Part III – Requirements for Interconnection

In submitting this document, I the Owner, understand and agree to the following terms and conditions:

Permission to Interconnect
Owner must not operate their Generating Facility in parallel with PG&E's Distribution System until they receive written authorization for Parallel Operation from PG&E. Unauthorized Parallel Operation could result in injury to persons and/or damage to equipment and/or property for which the Owner may be liable.

Safe Operation of your Generating Facility
Notwithstanding any other provision of this Agreement, if at any time PG&E determines that either (a) the Owner's Facility, or its operation, may endanger PG&E personnel, or (b) the continued operation of the Owner's Facility may endanger the safe and reliable operation of PG&E's electrical system, PG&E shall have the right to disconnect the Facility from PG&E's system. Owner's Facility shall remain disconnected until such time as PG&E is satisfied that the unsafe condition(s) have been corrected.

Interconnections on PG&E's Secondary Network
Applications to interconnect systems located in San Francisco or Oakland may require additional analysis to determine whether or not their proposed installation is on PG&E's networked secondary system. Networked secondary systems are in place to provide heightened levels of reliability in densely populated areas and may affect the ability of PG&E to

b. A description of the specific **inverter**(s) used to control the interconnection between PG&E and the Generating Facility, including rating, brand name, and model number. Only CEC-certified inverters[1] will pass the requirements for Simplified Interconnection per PG&E's Electric Rule 21. Non-certified units will require further study and may involve additional costs.

c. A complete description of the **generating equipment Owner plans to install**. The description must include the photovoltaic panel manufacturer name, model number, number of panels, and the nameplate rating. As with the inverters, only CEC-certified will pass the requirements for Simplified Interconnection. (See the PG&E website www.pge.com/gen or the CEC website in footnote 1 below.)

d. A description of how the power output from the inverter is connected to the **main service panel via a branch breaker.** The ampere rating of this branch breaker and the main service panel breaker must be compatible with the output rating of the Generating Facility. The output rating is computed based on the total nameplate rating of the inverter.

e. PG&E requires **a generation output meter.** The description must include the meter manufacturer, model number and type (socket or panel), as well as any other relevant information (e.g., socket, panels, breakers, etc.). If instrument transformers are required, the description should include this information.

3. **Site Diagram** – The site diagram must show the building or buildings that will be included as part of the Eligible Low Income Housing that meets the applicable Service Delivery Point requirements if any, in the Applicability Section of NEM2VMSH, the meter locations, and denote where the PV solar generating facility will be located and interconnected.

4. Information regarding any existing **insurance coverage** (liability and/or property) for the Schedule NEM2VMSH Generating Facility location –

   Owner shall meet all applicable safety and performance standards established by the National Electrical Code, the Institute of Electrical and Electronics Engineers, accredited testing laboratories such as Underwriters Laboratories and, where applicable, rules of the California Public Utilities Commission regarding safety and reliability. An Owner with a solar electric Generating Facility that meets those standards and rules shall not be required to install additional controls, perform or pay for additional tests, or purchase additional liability insurance.

   To the extent that Owner has currently in force property insurance and commercial general liability or personal liability insurance, Owner agrees that it will maintain such insurance in force for the duration of this Agreement in no less amounts than those currently in effect. Pacific Gas and Electric Company shall have the right to inspect or obtain a copy of the original policy or policies of insurance prior to commencing operation. As long as Owner meets the requirements of this section, Owner shall not be required to purchase any additional liability insurance.

   ❑ I have insurance. I hereby certify that there is presently insurance coverage in the amount of $_____ for the Schedule NEM2VMSH Generating Facility location.

   Insuring Company's Name: _____

   Insurance Policy # _____

   ❑ I **do not** have insurance. I hereby certify that there is presently $0 (zero) dollars of insurance for the Schedule NEM2VMSH Generating Facility location.

5. A copy of the **final, signed, jurisdictional approval (building permit) for Owner's Generating Facility** from the local government entity with jurisdiction over the Owner's project. **Owner's agreement package will not be complete until PG&E receives this document.**

Internet Agreement Forms

If this Agreement has been completed electronically, it may be submitted to PG&E via e-mail or through PG&E's online portal when it becomes available. Copies or forms requiring a signature, attachments or any applicable fees described in Part II must be e-mailed to PG&E at the address noted in Part V Section F, "Notices".

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[1] The CEC's eligible equipment list can be found under the CSI heading at: https://www.energy.ca.gov/programs-and-topics/topics/renewable-energy/solar-equipment-lists~~www.consumerenergycenter.org/erprebate/equipment.html~~

Electric Sample Form No. 79-1116 Sheet 1
Customer Assignment Notification

Please Refer to Attached
Sample Form

Pacific Gas and Electric Company

CUSTOMER ASSIGNMENT NOTIFICATION

3. Current Customer Information:

Name On Account: _____
Service Address: _____
City, State, Zip _____

Current Service Account(s) Listed By PG&E Service Agreement Number:

1. Service Agreement Number _____
   Meter Number: _____
2. Service Agreement Number _____
   Meter Number: _____
3. Service Agreement Number _____
   Meter Number: _____

4. New Customer Information:

Name On Account: _____

New Service Account(s) Listed by PG&E Service Agreement Number:

1. Service Agreement Number _____
   Meter Number: _____
2. Service Agreement Number _____
   Meter Number: _____
3. Service Agreement Number _____
   Meter Number: _____

Signature: _____
Authorized Representative of New Customer

Date Of Signature: _____

Upon receipt by PG&E of the customer assignment notification, PG&E shall review the information and notify ESP within five (5) business days either that (a) the customer assignment notification has been accepted; or (b) PG&E has reasonable cause not to process the customer assignment notification. Upon receiving notification under subsection (a) above, ESP must submit a DASR within sixty (60) days. Upon receiving notification under subsection (b) above, PG&E and ESP shall confer as soon as possible to determine what additional information is required in order for the assignment notification to be accepted. This document may be executed in counterparts and submitted by email ~~or fax, provided the originals are delivered to PG&E within ten (10) business days thereafter~~ however PG&E reserves the right to request the original signature documents if needed. This form at all times shall be subject to such modifications as the California Public Utilities Commission may direct from time to time in the exercise of its jurisdiction.

Electric Sample Form 79-1124 Sheet 1

Eligible Low Income Development Virtual Net Energy Metering Application and Interconnection Agreement for Multifamily Affordable Housing with Solar Generation Totaling 1 Megawatt or Less

Please Refer to Attached Sample Form

Pacific Gas and Electric Company®

NEMVMASH

Eligible Low Income Development Virtual Net Energy Metering Application and Interconnection Agreement for Multifamily Affordable Housing with Solar Generation Totaling 1 MW or Less

Please note that this agreement does not constitute an application for **rebate** and/or **incentive programs**. For more information on these programs and their specific applications, please contact PG&E by phone, or by email using the subject "solar energy" at smarter-energy@pge.com, 1-800-933-9555 (residential) or BusinessCustomerHelp@pge.com, 1-800-468-4743 (commercial/industrial).

For more information on the , Multifamily Affordable Solar Housing (MASH) or the New Solar Homes Partnership (NSHP) for affordable housing, please go to www.pge.com/csi where you will find information about the program, including the program handbook, reservation request forms with the program contract as well as a list of requirements, FAQ's and resources. For additional questions about the California Solar Initiative (CSI), MASH or the NSHP, contact PG&E at solar@pge.com.

Unique Project Name _____ (for PG&E's use only)

If you are applying for a CSI rebate, please check the appropriate box below and continue with this application.

- ❑ I am also applying for a MASH rebate, and understand that I will have to apply for MASH rebates separately.
- ❑ I am also applying for a NSHP rebate, and understand that I will have to apply for the NSHP rebates separately.

Part I – Identifying the Generating Facility's Location and Responsible Parties

A. Applicability and Purpose:

The purpose of this Agreement is to allow Owner to interconnect solar electric generation with PG&E's Distribution System, subject to the provisions of this Agreement and PG&E's rate schedule NEMVMASH. Owner has elected to interconnect and operate its solar electric Generation in parallel with PG&E's Distribution System, to offset part or all of the Owner's Eligible Low Income Development's own electrical requirements at the affiliated service points as listed in Appendix A. Owner shall comply at all times with this Agreement as well as with all applicable laws, tariffs and applicable requirements of the Public Utilities Commission of the State of California.

B. Guidelines and Steps for Interconnection

This Application and Agreement must be completed and sent to PG&E along with a completed Supplemental Data Collection Form for Net Energy Metered Generating Facilities to initiate PG&E's interconnection review of the proposed Generating Facility.

C. NEM Transition

Customers receiving service on the current NEMVMASH tariff prior to the date that PG&E reaches its NEM Cap or July 1, 2017, whichever is earlier are subject to the NEM Transition Provisions outlined in Rate Schedule NEM. Please see Rate Schedules NEMVMASH at:
~~http://www.pge.com/tariffs/tm2/pdf/ELEC_SCHEDS_NEMVMASH.pdf~~
https://www.pge.com/tariffs/assets/pdf/tariffbook/ELEC_SCHEDS_NEMVMASH.pdf and Rate Schedule NEM at:
~~http://www.pge.com/tariffs/tm2/pdf/ELEC_SCHEDS_NEM.pdf~~
https://www.pge.com/tariffs/assets/pdf/tariffbook/ELEC_SCHEDS_NEM.pdf for more details.

charges to Owner. Should Owner wish to select a different authorizaton period, Owner may utilize the *Authorization to Received Customer Information or Act on a Customer's Behalf*, which may be found at: ~~www.pge.com/includes/docs/pdfs/shared/newgenerator/solarwindgenerators/standardenet/customer_behalf_app.pdf~~https://www.pge.com/includes/docs/pdfs/mybusiness/energysavingsrebates/demandresponse/howtoapply/E79-1095%20-Third%20Party%20Authorization.pdf

In addition, Owner authorizes PG&E to release to the California Energy Commission (CEC) information regarding Owner's facility, including Owner's name and Generating Facility location, size, and operational characteristics, as requested from time to time pursuant to the CEC's rules and regulations.

G. Notices - Mailing Instructions and Assistance:

When this agreement has been completed it should be e-mailed, along with the required attachments, to the email address below. Any applicable fee payments shall be mailed to:

Payment USPS Mail	Payment Overnight Mail
USPS Mail: PG&E CFM/PPC Department P.O. Box 997340 Sacramento, CA 95899-7340	Overnight Mail: PG&E Customer Fund Management Payment Processing Center 885 Embarcadero Drive West Sacramento, CA 95605

Phone calls and questions may be directed to the Generation Interconnection Services' hotline at: 415-972-5676 or an electronic application may be submitted to NEMVGen@pge.com

H. Required Documentation for Agreement (in addition to that required in Appendix B):

Plat Map – A parcel plot or plat map must show the building or buildings that will be included as part of the Eligible Low Income Development, the meter locations, and denote where the PV solar generating facility(ies) will be located and interconnected.

Site Diagram – The site diagram must show the building or buildings that will be included as part of the Eligible Low Income Development, the meter locations, and denote where the PV solar generating facility(ies) will be located and interconnected.

I. Governing Law

This Agreement shall be interpreted, governed, and construed under the laws of the State of California as if executed and to be performed wholly within the State of California.

J. Term Of Agreement

After receipt of all applicable fees, required documents, and this completed Agreement, this Agreement shall become effective on the date of PG&E issues the permission to operate letter. This Agreement shall continue in full force and effect until terminated by either Party providing 30-days prior written notice to the other Party, or when a new Owner takes service with PG&E operating this approved generating facility. This new Owner will be interconnected subject to the terms and conditions as set forth in Schedule NEMVMASH.

K. Governing Authority

This contract shall at all times be subject to such changes or modification by the Public Utilities Commission of the State of California as said Commission may, from time to time, direct in the exercise of its jurisdiction.

L. Appendix A

Attached to this agreement is *Appendix A - Designation of Generator Accounts, and Their Associated Common Area Accounts and Residential Units with Their Respective Solar Credit Allocation.*

Part III – Requirements for Interconnection

In submitting this document, I the Owner, understand and agree to the following terms and conditions:

Permission to Interconnect
Owner must not operate their Generating Facility in parallel with PG&E's Distribution System until they receive written authorization for Parallel Operation from PG&E. Unauthorized Parallel Operation could result in injury to persons and/or damage to equipment and/or property for which the Owner may be liable.

Safe Operation of your Generating Facility
Notwithstanding any other provision of this Agreement, if at any time PG&E determines that either (a) the Owner's Facility, or its operation, may endanger PG&E personnel, or (b) the continued operation of the Owner's Facility may endanger the safe and reliable operation of PG&E's electrical system, PG&E shall have the right to disconnect the Facility from PG&E's system. Owner's Facility shall remain disconnected until such time as PG&E is satisfied that the unsafe condition(s) have been corrected.

Interconnections on PG&E's Secondary Network
Applications to interconnect systems located in San Francisco or Oakland may require additional analysis to determine whether or not their proposed installation is on PG&E's networked secondary system. Networked secondary systems are in place to provide heightened levels of reliability in densely populated areas and may affect the ability of PG&E to interconnect NEMVMASH Owner's solar generating facility. **Please contact Generation Interconnection Services at 415-972-5676 or email gen@pge.com if your proposed installation is in San Francisco where the zip code is 94102, 94103, 94104, 94105, 94107, 94108, 94109, 94111 or 94133 or in Oakland and where the zip code is 94607 or 94612.**

Meter access
Owner's generator output meter and the AC disconnect switch must be installed in a safe, PG&E-accessible location and remain unobstructed by locked gates or pets. Additionally, meter and AC disconnect switch access must be maintained at all times for meter reading and system maintenance. Any animals owned by the Owner or Multifamily residents, including pet dogs, should not have access to these areas to avoid hindering PG&E service personnel, preventing them from completing their work. Customers who currently have generator meters inaccessible from the outside of the building and who choose to place their generator AC disconnect switch near their meter, must place the required generator AC disconnect switch in a location readily accessible to PG&E in order to participate in this program. Should future access problems arise, PG&E reserves the right to terminate service, in accordance with its filed tariffs.

Document and Fee Requirements
Other Documents and/or Fees *may* be required and there may be requirements for interconnection in addition to the above list**,** depending on the specifics of the planned Generating Facility. Other approvals and/or other agreements may be needed for special PG&E programs or regulatory agency requirements.

Smart Inverters
For Owner applications received on or after September 9, 2017, the Owner certifies that has submitted the application prior to September 9, 2017, or their inverter-based Generating Facilities fully comply with Section Hh of Rule 21, including configuration of protective settings and default settings, in accordance with the specifications therein.

Distribution Provider may require a field verification of the Owner's inverter. Owner further agrees to cooperate fully with any such request and make their inverter available to the Distribution Provider for such verification. Owner understands that in the event the inverter is not set in accordance with Section Hh of Rule 21, Owner will need to cease operation of generating facility until verification is confirmed by Distribution Provider.

(Solar inverter models and firmware versions that comply with Rule 21 Section Hh can be found at ~~http://www.gosolarcalifornia.org/equipment/inverters.php~~https://www.energy.ca.gov/programs-and-topics/topics/renewable-energy/solar-equipment-lists.)

Verification of compliance with such requirements shall be provided by the Owner upon request by PG&E in accordance with PG&E's Electric Rule 21.

An "existing inverter" is defined as an inverter that is a component of an existing Generating Facility that meets one or more of the following conditions

(a) it is already approved by PG&E for interconnection prior to September 9, 2017

(b) the Owner has submitted the interconnection application prior to September 9, 2017,
(c) the Owner provides evidence of having applied for an electrical permit for the Generating Facility installation that is dated prior to September 9, 2017 and submitted a complete interconnection application1[1] no later than March 31, 2018, or

(d) the Owner provides evidence of a final inspection clearance from the governmental authority having jurisdiction over the Generating Facility prior to September 9, 2017.

All "existing inverters" are not required to be Smart Inverters and are only subject to Section H of Rule 21. Owner replacing an "existing inverter" certifies it is being replaced with either:

(i) inverter equipment that complies with Section Hh of Rule 21, (encouraged); or
(ii) a conventional inverter that is of the same size and equivalent ability to that of the inverter being replaced, as allowed in Rule 21 Section H.3.d.ii.

Stale Agreements
If this agreement is still pending two years from its date of submittal and Owner has not met all of the requirements, PG&E will close this application and Owner will be required to submit a new application should Owner wish to take service on Schedule NEMVMASH.

A. Agreement Package:
These documents are needed to ensure safe and reliable operation of PG&E's Distribution System and to confirm that Owner's interconnection has been performed in accordance with PG&E's tariffs. (Additional forms are available upon request by telephoning 415-972-5676, emailing gen@pge.com, or visiting PG&E's website at www.pge.com/standardnem). **Owners should not delay sending any part of the agreement package to PG&E.** As PG&E receives the documentation described in Sections (1) through (5) below, PG&E will begin to process the application.

Required Documents for New Applicants:

1. A completed copy of this **Agreement, including a completed Appendix A** ***Please note***: the Owner's name (as identified in Part I, Section C) must be the same name as on the PG&E bill. In this Agreement, Owner will confirm their otherwise-applicable rate schedule (OAS) for all Common Area accounts in Owner's name as listed in Appendix A – Owners who don't specify an OAS for their Common Area accounts will be defaulted to Rate Schedule E-1, establishing how Owner's Common Area Account's monthly usage or net generation will be charged/credited. Owner's-initiated rate changes are governed in accordance with PG&E's Electric Rule 12.
2. A **single-line diagram** showing Owner's actual installation of his/her Generating Facility. The diagram must include the electrical rating and operating voltages of the significant electrical components such as the service panel, the disconnect switch (if required), inverters, all photovoltaic generators, circuit breakers and other protective devices of the Generating Facility, the general location of the Owner's loads relative to the Generating Facility, and the interconnection with PG&E's Distribution System. The diagram must include the following information:
   a. A description and location of the visible, lockable **AC disconnect switch**.

      PG&E requires an Owner to install an AC disconnect switch to facilitate maintenance of the Owner's equipment (i.e. inverter, PV arrays, etc.). The AC disconnect switch provides PG&E the ability to isolate the Owner's generator from the NEMVMASH Eligible Low Income Facility and utility's Distribution System.

   b. A description of the specific **inverter**(s) used to control the interconnection between PG&E and the Generating Facility, including rating, brand name, and model number. Only CEC-certified inverters[2]will pass the requirements for Simplified Interconnection per PG&E's Electric Rule 21. Non-certified units will require further study and may involve additional costs.

[1] A complete application consists all of the following without deficiencies:
1. A completed Interconnection Application including all supporting documents and required payments
2. A completed signed Interconnection Agreement
3. Evidence of the Owner final inspection clearance from the governmental authority having jurisdiction over the generating system.

[2] The CEC's eligible equipment list can be found under the CSI heading at:
~~www.consumerenergycenter.org/erprebate/equipment.html~~https://www.energy.ca.gov/programs-and-topics/topics/renewable-energy/solar-equipment-lists

Electric Sample Form No. 79-1124-02 Sheet 1

Eligible Low Income Development Virtual Net Energy Metering (NEM2VMSH)
Application and Interconnection Agreement for Multifamily Affordable Housing with Solar Generation
Totaling 1 Megawatt or Less

Please Refer to Attached
Sample Form

Distribution Provider may require a field verification of the Owner's inverter. Owner further agrees to cooperate fully with any such request and make their inverter available to the Distribution Provider for such verification. Owner understands that in the event the inverter is not set in accordance with Section Hh of Rule 21, Owner will need to cease operation of generating facility until verification is confirmed by Distribution Provider.

(Solar inverter models and firmware versions that comply with Rule 21 Section Hh can be found at ~~http://www.gosolarcalifornia.org/equipment/inverters.php~~https://www.energy.ca.gov/programs-and-topics/topics/renewable-energy/solar-equipment-lists.)

Verification of compliance with such requirements shall be provided by the Owner upon request by PG&E in accordance with PG&E's Electric Rule 21.

An "existing inverter" is defined as an inverter that is a component of an existing Generating Facility that meets one or more of the following conditions:

(a) it is already approved by PG&E for interconnection prior to September 9, 2017

(b) the Owner has submitted the interconnection application prior to September 9, 2017,

(c) the Owner provides evidence of having applied for an electrical permit for the Generating Facility installation that is dated prior to September 9, 2017 and submitted a complete interconnection application[1] no later than March 31, 2018, or

(d) the Owner provides evidence of a final inspection clearance from the governmental authority having jurisdiction over the Generating Facility prior to September 9, 201

All "existing inverters" are not required to be Smart Inverters and are only subject to Section H of Rule 21. Owner replacing an "existing inverter" certifies it is being replaced with either:

(i) inverter equipment that complies with Section Hh of Rule 21, (encouraged); or

(ii) a conventional inverter that is of the same size and equivalent ability to that of the inverter being replaced, as allowed in Rule 21 Section H.3.d.ii.

Document and Fee Requirements

Other Documents and/or Fees *may* be required and there may be requirements for interconnection in addition to the above list**,** depending on the specifics of the planned Generating Facility. Other approvals and/or other agreements may be needed for special PG&E programs or regulatory agency requirements.

Stale Agreements

If this agreement is still pending two years from its date of submittal and Owner has not met all of the requirements, PG&E will close this application and Owner will be required to submit a new application should Owner wish to take service on Schedule NEM2VMSH.

A. Agreement Package:

These documents are needed to ensure safe and reliable operation of PG&E's Electric System and to confirm that Owner's interconnection has been performed in accordance with PG&E's tariffs. (Additional forms are available upon request by telephoning 415-972-5676, emailing gen@pge.com, or visiting PG&E's website at

[1] A complete application consists all of the following without deficiencies:
1. A completed Interconnection Application including all supporting documents and required payments,
2. A completed signed Interconnection Agreement,
3. Evidence of the Owner final inspection clearance from the governmental authority having jurisdiction over the generating system.

www.pge.com/standardnem). **Owners should not delay sending any part of the agreement package to PG&E.** As PG&E receives the documentation described in Sections (1) through (5) below, PG&E will begin to process the application.

Required Documents for New Applicants:

1. A completed copy of this **Agreement, including a completed Appendix A** ***Please note***: the Owner's name (as identified in Part I, Section C) must be the same name as on the PG&E bill. In this Agreement, Owner will confirm their otherwise-applicable rate schedule (OAS) for all Common Area accounts in Owner's name as listed in Appendix A – Owners who don't specify an OAS for their Common Area accounts will be defaulted to Rate Schedule E-1, establishing how Owner's Common Area Account's monthly usage or net generation will be charged/credited. Owner's-initiated rate changes are governed in accordance with PG&E's Electric Rule 12.
2. A **single-line diagram** showing Owner's actual installation of his/her Generating Facility. The diagram must include the electrical rating and operating voltages of the significant electrical components such as the service panel, the disconnect switch (if required), inverters, all photovoltaic generators, circuit breakers and other protective devices of the Generating Facility, the general location of the Owner's loads relative to the Generating Facility, and the interconnection with PG&E's Electric System. The diagram must include the following information:

    a. A description and location of the visible, lockable **AC disconnect switch**.

    PG&E requires an Owner to install an AC disconnect switch to facilitate maintenance of the Owner's equipment (i.e. inverter, PV arrays, etc.). The AC disconnect switch provides PG&E the ability to isolate the Owner's generator from the NEM2VMSH Eligible Low Income Facility and utility's Electric System.

b. A description of the specific **inverter**(s) used to control the interconnection between PG&E and the Generating Facility, including rating, brand name, and model number. Only CEC-certified inverters[2] will pass the requirements for Simplified Interconnection per PG&E's Electric Rule 21. Non-certified units will require further study and may involve additional costs.

    c. A complete description of the **generating equipment Owner plans to install**. The description must include the photovoltaic panel manufacturer name, model number, number of panels, and the nameplate rating. As with the inverters, only CEC-certified will pass the requirements for Simplified Interconnection. (See the PG&E website www.pge.com/gen or the CEC website in footnote 1 below.)

    d. A description of how the power output from the inverter is connected to the **main service panel via a branch breaker.** The ampere rating of this branch breaker and the main service panel breaker must be compatible with the output rating of the Generating Facility. The output rating is computed based on the total nameplate rating of the inverter.

    e. PG&E requires **a generation output meter.** The description must include the meter manufacturer, model number and type (socket or panel), as well as any other relevant information (e.g., socket, panels, breakers, etc.). If instrument transformers are required, the description should include this information.

3. A copy of the **final, signed, jurisdictional approval (building permit) for Owner's Generating Facility** from the local government entity with jurisdiction over the Owner's project. **Owner's agreement package will not be complete until PG&E receives this document.**

[2] The CEC's eligible equipment list can be found under the CSI heading at: ~~www.consumerenergycenter.org/erprebate/equipment.html~~https://www.energy.ca.gov/programs-and-topics/topics/renewable-energy/solar-equipment-lists

Electric Sample Form 79-1125 Sheet 1
NEM / NEMV / NEMVMASH Inspection Report

Please Refer to Attached
Sample Form

Part I – Customer Information

A. Customer Generating Facility Information – Who is the PG&E Customer for this Generating Facility?

Generating Facility PG&E Account Holder Name (Must Match Customer Name on PG&E Blue Bill for generator)	PG&E Account Number for Generating Facility	Meter Number (Meter Badge ID)

Account Holder Street Address		
Account Holder City	Account Holder State	Account Holder Zip

Account Holder Billing Mail Address		
Billing City	Billing State	Billing Zip

Business Phone	Cell Phone	Fax	Email

B. Generator Location – Where is the Generating Facility Located?

Contact at Generator Location		
Generator Address		
Generator City	Generator State	Generator Zip
Generator Contact Phone	Fax	Email

❑ This contact person is to be used as PG&E contact and is authorized by Customer to receive confidential Customer information and act on behalf of Customer with respect to this agreement.[2]

C. Modifications

To your knowledge, has the system been modified in any way? □ No □ Yes

D. Installation Date

Do you know when this Generating Facility was installed?

□ No
□ Yes, Date Installed _____

E. Last Inspection Date

Do you know if this Generating Facility had a prior PG&E inspection?

□ No
□ Yes

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[2] Customer must utilize the *Authorization to Receive Customer Information or Act on a Customer's Behalf form*, which may be found at ~~www.pge.com/includes/docs/pdfs/shared/newgenerator/solarwindgenerators/standardenet/customer_behalf_app.pdf.~~ https://www.pge.com/tariffs/assets/pdf/tariffbook/ELEC_FORMS_79-1095.pdf.

[1] Automated Document, Preliminary Statement, Part A.

---------- To be completed by Inspector ----------

B. Inspector Information

California licensed Electrician Name	Company Name
Currently Valid California Electrician License Number	
Mailing Address	
City	State / Zip
Business Phone / Fax / Email	

C. Inverters interconnected with PG&E

List all the inverters that currently are interconnected to PG&E at this Generating Facility.

No.	Inverter Manufacturer	Inverter Model Number	Inverter Nameplate Rating[3] kW (per unit)	Inverter CEC Rating kW (per unit)	Quantity of Inverters	Inverter Output Voltage	Single or Three phase?
1							
2							

D. Inverter CEC Approved

Are all the inverter models listed above currently listed on the ~~http://www.gosolarcalifornia.ca.gov/equipment/~~ https://www.energy.ca.gov/programs-and-topics/topics/renewable-energy/solar-equipment-lists website?

□ Yes □ No[4]

[3] The inverter rating equals the nameplate rating, in kW. If there is more than one type of inverter being installed, the inverter rating equals the nameplate rating of one unit of each model being installed.

[4] Equipment not currently listed on the Go Solar website, or equipment formerly listed but no longer listed, may be subject to additional review or testing before being authorized to continue interconnection with PG&E, depending on the reason it is no longer listed.

[1] Automated Document, Preliminary Statement, Part A.

E. Photovoltaic Generator Equipment (if applicable)

List the photovoltaic (PV) panel information requested below. If the panels are not all identical modules, list the total capacity connected to each inverter you listed above. (Please attach additional sheets if more space is needed).

No.	PV Panel Manufacturer	PV Panel Model	PV Panel Nameplate Rating[5] kW (per unit)	PV Panel CEC Rating kW (per unit)	Quantity of PV Panels	Total Capacity[6] (kW)	Inverter number from (C.) above (1 or 2)
1							
2							

F. PV Panels CEC Approved

Are all the PV panel models listed above currently listed on the ~~http://www.gosolarcalifornia.ca.gov/equipment/~~ https://www.energy.ca.gov/programs-and-topics/topics/renewable-energy/solar-equipment-lists website?

□ Yes □ No[7]

G. Wind Turbine Equipment (if applicable)

List the wind turbine information requested below. Write NONE if the inverter is incorporated in the wind turbine and no inverter is required.

No.	Wind Turbine Manufacturer	Wind Turbine Model	Wind Turbine Nameplate Rating[8] kW (per unit)	Wind Turbine CEC Rating (kW) per unit	Quantity of Wind Turbines	Total Capacity (kW)[8]	Turbine Output Voltage	Single or Three Phase	Inverter number from (C) above (1 or 2)
1									

H. Wind Turbine CEC Approved

Are all the wind turbine models listed above currently listed on the ~~http://www.gosolarcalifornia.ca.gov/equipment/~~ https://www.energy.ca.gov/programs-and-topics/topics/renewable-energy/solar-equipment-lists website?

□ Yes □ No[9]

[5] For all generation equipment ratings, please use the nameplate rating found on the equipment or in the equipment specifications.

[6] The total capacity is the photovoltaic (PV) panel (or wind turbine) rating times the quantity.

[7] Id. Footnote 4 above.

[8] Id. Footnote 6 above.

[9] Id. Footnote 4 above.

[1] Automated Document, Preliminary Statement, Part A.

ELECTRIC SAMPLE FORM 79-1131 Sheet 1

NEMV APPLICATION AND INTERCONNECTION AGREEMENT FOR A SOLAR (PV) OR WIND GENERATING FACILITY OF 1 MW OR LESS

Please Refer to Attached Sample Form

G. Other Contact Information (This information is optional).

Contact Person	Company Name	
Mailing Address		
City	State	Zip
Business Phone	Fax	Email

❑ This contact person is to be used as PG&E contact and is authorized by Owner to receive confidential Owner information and act on behalf of Owner with respect to this agreement.

By checking the boxes above and signing this agreement, Owner authorizes PG&E to release information to the contact(s) named above regarding Owner's usage and billing information, Renewable Electric Generation Facility location, size and operational characteristics as requested in the course of this interconnection process. PG&E is granted permission to share information with authorized recipients for a period of **two years** from the date this agreement is received by PG&E. Contact(s) are also authorized to make changes to rates and metering arrangements that may result in charges to Owner. Should Owner wish to select a different authoriziaton period, Owner may utilize the *Authorization to Received Customer Information or Act on a Customr's Behalf*, which may be found at:
~~www.pge.com/includes/docs/pdfs/shared/newgenerator/solarwindgenerators/standardenet/customer_behalf_app.pdf~~
https://www.pge.com/tariffs/assets/pdf/tariffbook/ELEC_FORMS_79-1095.pdf.

In addition, Owner authorizes PG&E to release to the California Energy Commission (CEC) information regarding Owner's facility, including Owner's name and Renewable Electric Generation Facility location, size, and operational characteristics, as requested from time to time pursuant to the CEC's rules and regulations.

Part II – Selecting the Study Process

Please check one:

- ❑ Fast Track Process
- ❑ Detailed Study (not typical)
  - Will be either an Independent Study Process, Distribution Group Study Process or Transmission Cluster Study Process, dependent upon the Electrical Independence Tests.

Part III – Requirements for Interconnection

In submitting this document, I the Owner, understand and agree to the following terms and conditions:

Permission to Interconnect
Owner must not operate their Renewable Electric Generation Facility in parallel with PG&E's Distribution System until they receive written authorization for Parallel Operation from PG&E. Unauthorized Parallel Operation could result in injury to persons and/or damage to equipment and/or property for which the Owner may be liable.

Safe Operation of the Renewable Electric Generation Facility
Notwithstanding any other provision of this Agreement, if at any time PG&E determines that either (a) the Owner's Facility, or its operation, may endanger PG&E personnel, or (b) the continued operation of the Owner's Facility may endanger the safe and reliable operation of PG&E's electrical system, PG&E shall have the right to disconnect the Facility from PG&E's system. Owner's Facility shall remain disconnected until such time as PG&E is satisfied that the unsafe condition(s) have been corrected.

Interconnections on PG&E's Secondary Network
Applications to interconnect systems located in San Francisco or Oakland may require additional analysis to determine whether or not their proposed installation is on PG&E's networked secondary system. Networked secondary systems are in place to provide heightened levels of reliability in densely populated areas and may affect the ability of PG&E to interconnect NEMV Owner's Renewable Electric Generation Facility. **Please contact Generation Interconnection Services at 415-972-5676 or email gen@pge.com if your proposed installation is in San Francisco where the zip code is 94102, 94103, 94104, 94105, 94107, 94108, 94109, 94111 or 94133 or in Oakland and where the zip code is 94607 or 94612.**

Meter Access
Owner's generator output meter and the AC disconnect switch must be installed in a safe, PG&E-accessible location and remain unobstructed by locked gates or pets. Additionally, meter and AC disconnect switch access must be maintained at all times for meter reading and system maintenance. Any animals owned by the Owner or Multifamily residents, including pet dogs, should not have access to these areas to avoid hindering PG&E service personnel, preventing them from completing their work. Customers who currently have generator meters inaccessible from the outside of the building and who choose to place their generator AC disconnect switch near their meter, must place the required generator AC disconnect switch in a location readily accessible to PG&E in order to participate in this program. Should future access problems arise, PG&E reserves the right to terminate service, in accordance with its filed tariffs.

Smart Inverters
For Owner applications received on or after September 9, 2017, the Owner certifies that their inverter-based Generating Facilities fully comply with Section Hh of Rule 21, including configuration of protective settings and default settings, in accordance with the specifications therein.

Distribution Provider may require a field verification of the Owner's inverter. Owner further agrees to cooperate fully with any such request and make their inverter available to the Distribution Provider for such verification. Owner understands that in the event the inverter is not set in accordance with Section Hh of Rule 21, Owner will need to cease operation of generating facility until verification is confirmed by Distribution Provider.

(Solar inverter models and firmware versions that comply with Rule 21 Section Hh can be found at ~~http://www.gosolarcalifornia.org/equipment/inverters.php~~https://www.energy.ca.gov/programs-and-topics/topics/renewable-energy/solar-equipment-lists.)

Verification of compliance with such requirements shall be provided by the Owner upon request by PG&E in accordance with PG&E's Electric Rule 21.

An "existing inverter" is defined as an inverter that is a component of an existing Generating Facility that meets one or more of the following conditions::

(a) it is already approved by PG&E for interconnection prior to September 9, 2017,

(b) the Owner has submitted the interconnection application prior to September 9, 2017,

(c) the Owner provides evidence of having applied for an electrical permit for the Generating Facility installation that is dated prior to September 9, 2017 and submitted a complete interconnection application1[2] no later than March 31, 2018, or

(d) the Owner provides evidence of a final inspection clearance from the governmental authority having jurisdiction over the Generating Facility prior to September 9, 2017.

All "existing inverters" are not required to be Smart Inverters and are only subject to Section H of Rule 21. Owner replacing an "existing inverter" certifies it is being replaced with either:

(i) inverter equipment that complies with Section Hh of Rule 21, (encouraged); or

(ii) a conventional inverter that is of the same size and equivalent ability to that of the inverter being replaced, as allowed in Rule 21 Section H.3.d.ii.

Document and Fee Requirements
Other Documents and/or Fees may be required and there may be requirements for interconnection in addition to the above list, depending on the specifics of the planned Renewable Electric Generation Facility. Other approvals and/or other agreements may be needed for special PG&E programs or regulatory agency requirements.

Stale Agreements
If this agreement is still pending two years from its date of submittal and Owner has not met all of the requirements, PG&E will close this application and Owner will be required to submit a new application should Owner wish to take service on Schedule NEMV.

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[2] A complete application consists all of the following without deficiencies:
1. A completed Interconnection Application including all supporting documents and required payments,
2. A completed signed Interconnection Agreement,
3. Evidence of the Owner final inspection clearance from the governmental authority having jurisdiction over the generating system.

Agreement Package:

These documents are needed to ensure safe and reliable operation of PG&E's Distribution System and to confirm that Owner's interconnection has been performed in accordance with PG&E's tariffs. (Additional forms are available upon request by telephoning 415-972-5676, emailing gen@pge.com, or visiting PG&E's website at www.pge.com/standardnem). **Owners should not delay sending any part of the agreement package to PG&E.** As PG&E receives the documentation described in Sections (1) through (7) below, PG&E will begin to process the application.

Required Documents for New Applicants:

1. A completed copy of this **Agreement, including completed Appendices A, B and C**. ***Please note***: the Owner's name (as identified in Part I, Section D) must be the same name as on the PG&E bill. In this Agreement, Owner will confirm their otherwise-applicable rate schedule (OAS) for all Benefitting accounts in Owner's name as listed in Appendix A – Owners who don't specify an OAS for their Benefitting accounts will be defaulted to Rate Schedule E-1, for residential accounts, A-1 or B-1 for general service accounts (unless required to be on a mandatory rate schedule such a E-19, B-19, E-20 or B-20), and AG-1 or AG-A1 for agricultural rates when establishing how Owner's Benefitting Account's monthly usage or net generation will be charged/credited. Owner's-initiated rate changes are governed in accordance with PG&E's Electric Rule 12.

2. A **single-line diagram** showing Owner's actual installation of his/her Renewable Electric Generation Facility. The diagram must include the electrical rating and operating voltages of the significant electrical components such as the service panel, the disconnect switch (if required), inverters, all generators, circuit breakers and other protective devices of the Renewable Electric Generation Facility, the general location of the Owner's loads relative to the Renewable Electric Generation Facility, and the interconnection with PG&E's Distribution System. The diagram must include the following information:

   a. A description and location of the visible, lockable **AC disconnect switch**.

      PG&E requires an Owner to install an AC disconnect switch to facilitate maintenance of the Owner's equipment (i.e. inverter, PV arrays, etc). The AC disconnect switch provides PG&E the ability to isolate the Owner's generator from the NEMV Eligible Renewable Electric Generation Facility and utility's Distribution System.

   b. A description of the specific **inverter**(s) used to control the interconnection between PG&E and the Renewable Electric Generation Facility, including rating, brand name, and model number. Only CEC-certified inverters[3] will pass the requirements for Simplified Interconnection per PG&E's Electric Rule 21. Non-certified units will require further study and may involve additional costs.

   c. A complete description of the **generating equipment Owner plans to install**. The description must include the photovoltaic panel or wind turbine manufacturer name, model number, number of panels, and the nameplate rating. As with the inverters, only CEC-certified will pass the requirements for Simplified Interconnection. (See the PG&E website www.pge.com/gen or the CEC website in footnote 1 below).

   d. A description of how the power output from the inverter is connected to the **main service panel via a branch breaker.** The ampere rating of this branch breaker and the main service panel breaker must be compatible with the output rating of the Generating Facility. The output rating is computed based on the total nameplate rating of the inverter.

   e. PG&E requires **a generation output meter.** The description must include the meter manufacturer, model number and type (socket or panel), as well as any other relevant information (e.g., socket, panels, breakers, etc.). If instrument transformers are required, the description should include this information. NEMV customers may be able to combine the generator output meter with an incentive meter. See Schedule NEMV for details and the cost.

3. **Site Diagram** – The site diagram must show the building or buildings at the same Service Delivery Point that will be included as part of the NEMV Arrangement that meets the single Service Delivery Point requirement in the Applicability Section of NEMV, the meter locations, and denote where the Renewable Electric Generation Facility will be located and interconnected.

4. Information regarding any existing **insurance coverage** (liability and/or property) for the Schedule NEMV Generating Facility location:

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[3] The CEC's eligible equipment list can be found under the CSI heading at: ~~www.consumerenergycenter.org/erprebate/equipment.html~~https://www.energy.ca.gov/programs-and-topics/topics/renewable-energy/solar-equipment-lists

Electric Sample Form No. 79-1131-02 Sheet 1
NEM2V Application and Interconnection Agreement for a Solar (PV)
or Wind Generating Facility of 1 MW or Less

Please Refer to Attached
Sample Form

F. Other Contact Information (This information is optional).

Contact Person	Company Name	
Mailing Address		
City	State	Zip
Business Phone	Fax	Email

☐ This contact person is to be used as PG&E contact and is authorized by Owner to receive confidential Owner information and act on behalf of Owner with respect to this agreement.

By checking the boxes above and signing this agreement, Owner authorizes PG&E to release information to the contact(s) named above regarding Owner's usage and billing information, Renewable Electric Generation Facility location, size and operational characteristics as requested in the course of this interconnection process. PG&E is granted permission to share information with authorized recipients for a period of **two years** from the date this agreement is received by PG&E. Contact(s) are also authorized to make changes to rates and metering arrangements that may result in charges to Owner. Should Owner wish to select a different authoriziaton period, Owner may utilize the *Authorization to Received Customer Information or Act on a Customr's Behalf (Form 79-1095)*, which may be found at:

~~www.pge.com/includes/docs/pdfs/shared/newgenerator/solarwindgenerators/standardenet/customer_behalf_app.pdf~~https://www.pge.com/tariffs/assets/pdf/tariffbook/ELEC_FORMS_79-1095.pdf.

In addition, Owner authorizes PG&E to release to the California Energy Commission (CEC) information regarding Owner's facility, including Owner's name and Renewable Electric Generation Facility location, size, and operational characteristics, as requested from time to time pursuant to the CEC's rules and regulations.

Part II – Selecting the Study Process

Please check one:

☐ Fast Track Process

☐ Detailed Study (not typical)

- Will be either an Independent Study Process, Distribution Group Study Process or Transmission Cluster Study Process, dependent upon the Electrical Independence Tests.

Part III – Requirements for Interconnection

In submitting this document, I the Owner, understand and agree to the following terms and conditions:

Permission to Interconnect

Owner must not operate their Renewable Electric Generation Facility in parallel with PG&E's Electric System until they receive written authorization for Parallel Operation from PG&E. Unauthorized Parallel Operation could result in injury to persons and/or damage to equipment and/or property for which the Owner may be liable.

Safe Operation of the Renewable Electric Generation Facility

Notwithstanding any other provision of this Agreement, if at any time PG&E determines that either (a) the Owner's Facility, or its operation, may endanger PG&E personnel, or (b) the continued operation of the Owner's Facility may endanger the safe and reliable operation of PG&E's electrical system, PG&E shall have the right to disconnect the Facility from PG&E's system. Owner's Facility shall remain disconnected until such time as PG&E is satisfied that the unsafe condition(s) have been corrected.

Interconnections on PG&E's Secondary Network

Applications to interconnect systems located in San Francisco or Oakland may require additional analysis to determine whether or not their proposed installation is on PG&E's networked secondary system. Networked secondary systems are in place to provide heightened levels of reliability in densely populated areas and may affect the ability of PG&E to interconnect NEM2V Owner's Renewable Electric Generation Facility. **Please contact Electric Generation Interconnection by email nemvgen@pge.com if your proposed installation is in San Francisco where the zip code is 94102, 94103, 94104, 94105, 94107, 94108, 94109, 94111 or 94133 or in Oakland and where the zip code is 94607 or 94612.**

Meter Access

Owner's generator output meter and the AC disconnect switch must be installed in a safe, PG&E-accessible location and remain unobstructed by locked gates or pets. Additionally, meter and AC disconnect switch access must be maintained at all times for meter reading and system maintenance. Any animals owned by the Owner or Multifamily residents, including pet dogs, should not have access to these areas to avoid hindering PG&E service personnel, preventing them from completing their work. Customers who currently have generator meters inaccessible from the outside of the building and who choose to place their generator AC disconnect switch near their meter, must place the required generator AC disconnect switch in a location readily accessible to PG&E in order to participate in this program. Should future access problems arise, PG&E reserves the right to terminate service, in accordance with its filed tariffs.

Smart Inverters

For Owner applications received on or after September 9, 2017, the Owner certifies that their inverter-based Generating Facilities fully comply with Section Hh of Rule 21, including configuration of protective settings and default settings, in accordance with the specifications therein.

Distribution Provider may require a field verification of the Owner's inverter. Owner further agrees to cooperate fully with any such request and make their inverter available to the Distribution Provider for such verification. Owner understands that in the event the inverter is not set in accordance with Section Hh of Rule 21, Owner will need to cease operation of generating facility until verification is confirmed by Distribution Provider.

(Solar inverter models and firmware versions that comply with Rule 21 Section Hh can be found at ~~http://www.gosolarcalifornia.org/equipment/inverters.php~~https://www.energy.ca.gov/programs-and-topics/topics/renewable-energy/solar-equipment-lists.)

Verification of compliance with such requirements shall be provided by the Owner upon request by PG&E in accordance with PG&E's Electric Rule 21.

An "existing inverter" is defined as an inverter that is a component of an existing Generating Facility that meets one or more of the following conditions::

(a) it is already approved by PG&E for interconnection prior to September 9, 2017

(b) the Owner has submitted the interconnection application prior to September 9, 2017,

(c) the Owner provides evidence of having applied for an electrical permit for the Generating Facility installation that is dated prior to September 9, 2017 and submitted a complete interconnection application[2] no later than March 31, 2018, or

(d) the Owner provides evidence of a final inspection clearance from the governmental authority having jurisdiction over the Generating Facility prior to September 9, 2017.

All "existing inverters" are not required to be Smart Inverters and are only subject to Section H of Rule 21. Owner replacing an "existing inverter" certifies it is being replaced with either:

[2] A complete application consists all of the following without deficiencies:
1. A completed Interconnection Application including all supporting documents and required payments,
2. A completed signed Interconnection Agreement,
3. Evidence of the Owner final inspection clearance from the governmental authority having jurisdiction over the generating system.

b. A description of the specific **inverter**(s) used to control the interconnection between PG&E and the Renewable Electric Generation Facility, including rating, brand name, and model number. Only CEC-certified inverters[3] will pass the requirements for Simplified Interconnection per PG&E's Electric Rule 21. Non-certified units will require further study and may involve additional costs.

c. A complete description of the **generating equipment Owner plans to install**. The description must include the photovoltaic panel or wind turbine manufacturer name, model number, number of panels, and the nameplate rating. As with the inverters, only CEC-certified will pass the requirements for Simplified Interconnection. (See the PG&E website www.pge.com/gen or the CEC website in footnote 1 below).

d. A description of how the power output from the inverter is connected to the **main service panel via a branch breaker.** The ampere rating of this branch breaker and the main service panel breaker must be compatible with the output rating of the Generating Facility. The output rating is computed based on the total nameplate rating of the inverter.

e. PG&E requires **a generation output meter.** The description must include the meter manufacturer, model number and type (socket or panel), as well as any other relevant information (e.g., socket, panels, breakers, etc.). If instrument transformers are required, the description should include this information. NEM2V customers may be able to combine the generator output meter with an incentive meter. See Schedule NEM2V for details and the cost.

3. **Site Diagram** – The site diagram must show the building or buildings on a single Premises that will be included as part of the NEM2V Arrangement that is located on a single Premises and satisfies the requirements in the Applicability Section of NEM2V, the meter locations, and denote where the Renewable Electric Generation Facility will be located and interconnected.

4. Information regarding any existing **insurance coverage** (liability and/or property) for the Schedule NEM2V Generating Facility location:

   Owner shall meet all applicable safety and performance standards established by the National Electrical Code, the Institute of Electrical and Electronics Engineers, accredited testing laboratories such as Underwriters Laboratories and, where applicable, rules of the California Public Utilities Commission regarding safety and reliability. An Owner with a Renewable Electric Generation Facility that meets those standards and rules shall not be required to install additional controls, perform or pay for additional tests, or purchase additional liability insurance.

   ❑ To the extent that Owner has currently in force property insurance and commercial general liability or personal liability insurance, Owner agrees that it will maintain such insurance in force for the duration of this Agreement in no less amounts than those currently in effect. Pacific Gas and Electric Company shall have the right to inspect or obtain a copy of the original policy or policies of insurance prior to commencing operation. As long as Owner meets the requirements of this section, Owner shall not be required to purchase any additional liability insurance.

   ❑ I **have** insurance. I hereby certify that there is presently insurance coverage in the amount of $_____ for the Schedule NEM2V Generating Facility location.

   Insuring Company's Name: _____

   Insurance Policy # _____

   ❑ I **do not** have insurance. I hereby certify that there is presently $0 (zero) dollars of insurance for the Schedule NEM2V Generating Facility location.

5. A copy of the **final, signed, jurisdictional approval (building permit) for Owner's Generating Facility** from the local government entity with jurisdiction over the Owner's project. **Owner's agreement package will not be complete until PG&E receives this document.**

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[3] The CEC's eligible equipment list can be found under the CSI heading at: https://www.energy.ca.gov/programs-and-topics/topics/renewable-energy/solar-equipment-lists~~www.consumerenergycenter.org/erprebate/equipment.html~~

Electric Sample Form 79-1137 Sheet 1

Interconnection Agreement for Net Metering for a Renewable Electrical Generation Facility of 1,000 kW or Less, Except Solar Or Wind

Please Refer to Attached Sample Form

2.5 Customer-Generator's otherwise-applicable rate schedule as of the execution of this Agreement is _____.

2.6 The Generating Facility's expected date of Initial Operation is _____. The expected date of Initial Operation shall be within two years of the date of this Agreement.

2.7 The Gross Nameplate Rating of the Generating Facility: _____ kW.

2.8 The Net Nameplate Rating of the Generating Facility: _____ kW.

2.9 The expected annual energy production of the Generating Facility is _____ kWh.

2.10 Smart Inverters - For Customer-Generator applications received on or after September 9, 2017, the Customer-Generator certifies that their inverter-based Generating Facilities fully comply with Section Hh of Rule 21, including configuration of protective settings and default settings, in accordance with the specifications therein.

Distribution Provider may require a field verification of the Customer-Generator's inverter. Customer-Generator further agrees to cooperate fully with any such request and make their inverter available to the Distribution Provider for such verification. Customer-Generator understands that in the event the inverter is not set in accordance with Section Hh of Rule 21, Customer-Generator will need to cease operation of generating facility until verification is confirmed by Distribution Provider.

Solar Inverter models and firmware versions that comply with Rule 21 Section Hh can be found at ~~http://www.gosolarcalifornia.org/equipment/inverters.php~~ https://www.energy.ca.gov/programs-and-topics/topics/renewable-energy/solar-equipment-lists.

Verification of compliance with such requirements shall be provided by the Customer-Generator upon request by PG&E in accordance with PG&E's Electric Rule 21.

An "existing inverter" is defined as an inverter that is a component of an existing Generating Facility that. meets one or more of the following conditions:

(a) it is already approved by PG&E for interconnection prior to September 9, 2017

(b) the Customer-Generator has submitted the interconnection application prior to September 9, 2017,

(c) the Customer-Generator provides evidence of having applied for an electrical permit for the Generating Facility installation that is dated prior to September 9, 2017 and submitted a complete interconnection application[2] no later than March 31, 2018, or

(d) the Customer-Generator provides evidence of a final inspection clearance from the governmental authority having jurisdiction over the Generating Facility prior to September 9, 2017.

[2] A complete application consists all of the following without deficiencies:
1. A completed Interconnection Application including all supporting documents and required payments, (continued next page)
2. A completed signed Interconnection Agreement,
3. Evidence of the Customer Generator final inspection clearance from the governmental authority having jurisdiction over the generating system.

Appendix C

SCHEDULE NEM CUSTOMER-GENERATOR WARRANTY THAT IT MEETS THE REQUIREMENTS FOR AN ELIGIBLE CUSTOMER-GENERATOR AND IS AN ELIGIBLE RENEWABLE ELECTRICAL GENERATION FACILITY PURSUANT TO SECTION 2827 OF THE CALIFORNIA PUBLIC UTILITIES CODE

(This Affidavit needs to be completed and submitted to PG&E by the Customer-Generator every time a new NEM or NEMV interconnection agreement for a Renewable Electrical Generation Facility is executed or whenever there is a change in ownership of the Generating Facility)

Check Type of Renewable Electrical Generation Facility:

☐ biomass	☐ geothermal	☐ municipal solid waste
☐ solar thermal	☐ fuel cell	☐ landfill gas
☐ small hydroelectric generation	☐ ocean wave	☐ digester gas
☐ ocean thermal	☐ tidal current	

NEM / NEMV Customer-Generator (Customer) declares that

(1) it meets the requirements to be an "Eligible Customer-Generator" and its Generating Facility.

(2) (a) meets the requirements of an "Renewable Electrical Generation Facility", as defined in Section 2827(b)(5) of the California Public Utilities Code and
(b) satisfies the definitions of the renewable resource for the Renewable Electrical Generation Facility in the latest version of the California Energy Commission's (CEC's) Renewables Portfolio Standard (RPS) Eligibility Guidebook and the Overall Program Guidebook.[3] (Eligibility Requirements).

Included in these eligibility requirements (check as applicable) pursuant to Public Utilities Code section 2827(b)(5) and Public Resource Code Section 25741 paragraph 1(a):

❑ If the Renewable Electrical Generation Facility is a fuel cell, or otherwise uses renewable biogas or otherwise, Eligible Customer-Generator warrants that the fuel cell is powered solely with renewable fuel.

❑ If the Renewable Electrical Generation Facility is a Small hydroelectric generating facility, customer warrants that it will not cause an adverse impact on instream beneficial uses, nor cause a change in the volume or timing of streamflow).

[3] The RPS Guidebooks can be found at: ~~http://www.energy.ca.gov/renewables/documents/index.html#rps~~https://www.energy.ca.gov/programs-and-topics/programs/renewables-portfolio-standard

Electric Sample Form No. 79-1137-02 Sheet 1

Interconnection Agreement for Net Energy Metering (NEM2/NEM2V) for a Renewable Electricity Generation Facility of 1,000 Kilowatts or Less, Except Solar or Wind

Please Refer to Attached Sample Form

2.4 Name and address used by PG&E to locate the electric service account used to interconnect the Generating Facility with PG&E's Electric System:

Name: _____

Address: _____

City/Zip Code: _____

2.5 Customer-Generator's otherwise-applicable rate schedule as of the execution of this Agreement is _____.

2.6 The Generating Facility's expected date of Initial Operation is _____. The expected date of Initial Operation shall be within two years of the date of this Agreement.

2.7 The Gross Nameplate Rating of the Generating Facility: _____ kW.

2.8 The Net Nameplate Rating of the Generating Facility: _____ kW.

2.9 The expected annual energy production of the Generating Facility is _____ kWh.

2.10 Smart Inverters - For Customer-Generator applications received on or after September 9, 2017, the Customer-Generator certifies that their inverter-based Generating Facilities fully comply with Section Hh of Rule 21, including configuration of protective settings and default settings, in accordance with the specifications therein.

Distribution Provider may require a field verification of the Customer-Generator's inverter. Customer-Generator further agrees to cooperate fully with any such request and make their inverter available to the Distribution Provider for such verification. Customer-Generator understands that in the event the inverter is not set in accordance with Section Hh of Rule 21, Customer-Generator will need to cease operation of generating facility until verification is confirmed by Distribution Provider.

(Solar inverter models and firmware versions that comply with Rule 21 Section Hh can be found at ~~http://www.gosolarcalifornia.org/equipment/inverters.php~~ https://www.energy.ca.gov/programs-and-topics/topics/renewable-energy/solar-equipment-lists.)

Verification of compliance with such requirements shall be provided by the Customer-Generator upon request by PG&E in accordance with PG&E's Electric Rule 21.

An "existing inverter" is defined as an inverter that is a component of an existing Generating Facility that meets one or more of the following conditions:

(a) it is already approved by PG&E for interconnection prior to September 9, 2017

(b) the Customer-Generator has submitted the interconnection application prior to September 9, 2017,

(c) the Customer-Generator provides evidence of having applied for an electrical permit for the Generating Facility installation that is dated prior to September 9, 2017 and submitted a complete interconnection application[2] no later than March 31, 2018, or

[2] A complete application consists all of the following without deficiencies:
1. A completed Interconnection Application including all supporting documents and required payments, (continued next page)

Appendix C

SCHEDULE NEM2 CUSTOMER-GENERATOR WARRANTY THAT IT MEETS THE REQUIREMENTS FOR AN ELIGIBLE CUSTOMER-GENERATOR AND IS AN ELIGIBLE RENEWABLE ELECTRICAL GENERATION FACILITY PURSUANT TO SECTION 2827 OF THE CALIFORNIA PUBLIC UTILITIES CODE

(This Affidavit needs to be completed and submitted to PG&E by the Customer-Generator every time a new NEM2 or NEM2V interconnection agreement for a Renewable Electrical Generation Facility is executed or whenever there is a change in ownership of the Generating Facility)

Check Type of Renewable Electrical Generation Facility:

☐ biomass	☐ geothermal	☐ municipal solid waste
☐ solar thermal	☐ fuel cell	☐ landfill gas
☐ small hydroelectric generation	☐ ocean wave	☐ digester gas
☐ ocean thermal	☐ tidal current	

NEM2 / NEM2V Customer-Generator (Customer) declares that

(1) it meets the requirements to be an "Eligible Customer-Generator" and its Generating Facility.

(2) (a) meets the requirements of an "Renewable Electrical Generation Facility", as defined in Section 2827(b)(5) of the California Public Utilities Code and
(b) satisfies the definitions of the renewable resource for the Renewable Electrical Generation Facility in the latest version of the California Energy Commission's (CEC's) Renewables Portfolio Standard (RPS) Eligibility Guidebook and the Overall Program Guidebook.[3] (Eligibility Requirements).

Included in these eligibility requirements (check as applicable) pursuant to Public Utilities Code section 2827(b)(5) and Public Resource Code Section 25741 paragraph 1(a):

☐ If the Renewable Electrical Generation Facility is a fuel cell, or otherwise uses renewable biogas or otherwise, Eligible Customer-Generator warrants that the fuel cell is powered solely with renewable fuel.

☐ If the Renewable Electrical Generation Facility is a Small hydroelectric generating facility, customer warrants that it will not cause an adverse impact on instream beneficial uses, nor cause a change in the volume or timing of streamflow).

If the Customer uses biogas or a renewable fuel as the fuel for their Renewable Electric Generation Facility:

[3] The RPS Guidebooks can be found at: ~~http://www.energy.ca.gov/renewables/documents/index.html#rps~~ https://www.energy.ca.gov/programs-and-topics/programs/renewables-portfolio-standard

ELECTRIC SAMPLE FORM 79-1142 Sheet 1

NEMV INTERCONNECTION APPLICATION FOR A RENEWABLE
ELECTRICAL GENERATION FACILITY OF 1 MEGAWATT OR LESS

Please Refer to Attached
Sample Form

G. Other Contact Information (This information is optional).

Contact Person		Company Name
Mailing Address		
City	State	Zip
Business Phone	Fax	Email

❑ This contact person is to be used as PG&E contact and is authorized by Owner to receive confidential Owner information and act on behalf of Owner with respect to this Application.

By checking the boxes above and signing this Application, Owner authorizes PG&E to release information to the contact(s) named above regarding Owner's usage and billing information, Renewable Electric Generation Facility location, size and operational characteristics as requested in the course of this interconnection process. PG&E is granted permission to share information with authorized recipients for a period of **two years** from the date this Application is received by PG&E. Contact(s) are also authorized to make changes to rates and metering arrangements that may result in charges to Owner. Should Owner wish to select a different authoriziaton period, Owner may utilize the "Authorization to Received Customer Information or Act on a Customr's Behalf", which may be found at:
~~www.pge.com/includes/docs/pdfs/shared/newgenerator/solarwindgenerators/standardenet/customer_behalf_app.pdf~~
https://www.pge.com/tariffs/assets/pdf/tariffbook/ELEC_FORMS_79-1095.pdf

In addition, Owner authorizes PG&E to release to the California Energy Commission (CEC) information regarding Owner's facility, including Owner's name and Renewable Electric Generation Facility location, size, and operational characteristics, as requested from time to time pursuant to the CEC's rules and regulations.

Part II – Selecting the Study Process

Please check one:

- ❑ Fast Track Process
- ❑ Detailed Study (not typical)
  - Will be either an Independent Study Process, Distribution Group Study Process or Transmission Cluster Study Process, dependent upon the Electrical Independence Tests.

Part III – Requirements for Interconnection

In submitting this document, I the Owner, understand and agree to the following terms and conditions:

Permission to Interconnect
Owner must not operate their Renewable Electric Generation Facility in parallel with PG&E's Distribution System until they receive written authorization for Parallel Operation from PG&E. Unauthorized Parallel Operation could result in injury to persons and/or damage to equipment and/or property for which the Owner may be liable.

Safe Operation of the Renewable Electric Generation Facility
Notwithstanding any other provision of this Application, if at any time PG&E determines that either (a) the Owner's Facility, or its operation, may endanger PG&E personnel, or (b) the continued operation of the Owner's Facility may endanger the safe and reliable operation of PG&E's electrical system, PG&E shall have the right to disconnect the Facility from PG&E's system. Owner's Facility shall remain disconnected until such time as PG&E is satisfied that the unsafe condition(s) have been corrected.

Interconnections on PG&E's Secondary Network
Applications to interconnect systems located in San Francisco or Oakland may require additional analysis to determine whether or not their proposed installation is on PG&E's networked secondary system. Networked secondary systems are

in place to provide heightened levels of reliability in densely populated areas and may affect the ability of PG&E to interconnect NEMV Owner's Renewable Electric Generation Facility. **Please contact Generation Interconnection Services at 415-972-5676 or email gen@pge.com if your proposed installation is in San Francisco where the zip code is 94102, 94103, 94104, 94105, 94107, 94108, 94109, 94111 or 94133 or in Oakland and where the zip code is 94607 or 94612.**

Meter access

Owner's generator output meter and the AC disconnect switch must be installed in a safe, PG&E-accessible location and remain unobstructed by locked gates or pets. Additionally, meter and AC disconnect switch access must be maintained at all times for meter reading and system maintenance. Any animals owned by the Owner or Multifamily residents, including pet dogs, should not have access to these areas to avoid hindering PG&E service personnel, preventing them from completing their work. Customers who currently have generator meters inaccessible from the outside of the building and who choose to place their generator AC disconnect switch near their meter, must place the required generator AC disconnect switch in a location readily accessible to PG&E in order to participate in this program. Should future access problems arise, PG&E reserves the right to terminate service, in accordance with its filed tariffs.

Smart Inverters

For Owner applications received on or after September 9, 2017, the Owner certifies that their inverter-based Generating Facilities fully comply with Section Hh of Rule 21, including configuration of protective settings and default settings, in accordance with the specifications therein.

Distribution Provider may require a field verification of the Owner's inverter. Owner further agrees to cooperate fully with any such request and make their inverter available to the Distribution Provider for such verification. Owner understands that in the event the inverter is not set in accordance with Section Hh of Rule 21, Owner will need to cease operation of generating facility until verification is confirmed by Distribution Provider.

(Solar inverter models and firmware versions that comply with Rule 21 Section Hh can be found at ~~http://www.gosolarcalifornia.org/equipment/inverters.php~~https://www.energy.ca.gov/programs-and-topics/topics/renewable-energy/solar-equipment-lists.)

Verification of compliance with such requirements shall be provided by the Owner upon request by PG&E in accordance with PG&E's Electric Rule 21.

An "existing inverter" is defined as an inverter that is a component of an existing Generating Facility that meets one or more of the following conditions:

(a) it is already approved by PG&E for interconnection prior to September 9, 2017

(b) the Owner has submitted the interconnection application prior to September 9, 2017,

(c) the Owner provides evidence of having applied for an electrical permit for the Generating Facility installation that is dated prior to September 9, 2017 and submitted a complete interconnection application1[2] no later than March 31, 2018, or

(d) the Owner provides evidence of a final inspection clearance from the governmental authority having jurisdiction over the Generating Facility prior to September 9, 2017.

All "existing inverters" are not required to be Smart Inverters and are only subject to Section H of Rule 21. Owner replacing an "existing inverter" certifies it is being replaced with either:

(i) inverter equipment that complies with Section Hh of Rule 21, (encouraged); or

(ii) a conventional inverter that is of the same size and equivalent ability to that of the inverter being replaced, as allowed in Rule 21 Section H.3.d.ii.

Document and Fee Requirements

[2] A complete application consists all of the following without deficiencies:
1. A completed Interconnection Application including all supporting documents and required payments,
2. A completed signed Interconnection Agreement,
3. Evidence of the Owner final inspection clearance from the governmental authority having jurisdiction over the generating system.

Other Documents and/or Fees *may* be required and there may be requirements for interconnection in addition to the above list**,** depending on the specifics of the planned Renewable Electric Generation Facility. Other approvals and/or other agreements may be needed for special PG&E programs or regulatory agency requirements.

Stale Applications
If this Application is still pending two years from its date of submittal and Owner has not met all of the requirements, PG&E will close this application and Owner will be required to submit a new application should Owner wish to take service on Schedule NEMV.

A. Application Package:
These documents are needed at the time of application to ensure safe and reliable operation of PG&E's Distribution System and to confirm that Owner's interconnection has been performed in accordance with PG&E's tariffs. (Additional forms are available upon request by telephoning 415-972-5676, emailing gen@pge.com, or visiting PG&E's website at www.pge.com/standardnem). **Owners should not delay sending any part of the Application package to PG&E.** As PG&E receives the documentation described in Sections (1) through (5) below, PG&E will begin to process the application.

Required Documents for New Applicants:

1. A completed copy of this **Application, including completed Appendices A, B and C as well as the Supplemental Data Collection Form (see Part I Section B above)**. ***Please note***: the Owner's name (as identified in Part I, Section D) must be the same name as on the PG&E bill. In this Application, Owner will confirm their otherwise-applicable rate schedule (OAS) for all Benefitting accounts in Owner's name as listed in Appendix A – Owners who don't specify an OAS for their Benefitting accounts will be defaulted to Rate Schedule E-1, for residential accounts, A-1 or B-1 for general service accounts (unless required to be on a mandatory rate schedule such as E-19, B-19, E20 or B-20), and AG-1 or AG-A1 for agricultural rates when establishing how Owner's Benefitting Account's monthly usage or net generation will be charged/credited. Owner's-initiated rate changes are governed in accordance with PG&E's Electric Rule 12.

2. A **single-line diagram** showing Owner's actual installation of his/her Renewable Electric Generation Facility. The diagram must include the electrical rating and operating voltages of the significant electrical components such as the service panel, the disconnect switch (if required), inverters, all generators, circuit breakers and other protective devices of the Renewable Electric Generation Facility, the general location of the Owner's loads relative to the Renewable Electric Generation Facility, and the interconnection with PG&E's Distribution System. The diagram must include the following information:

   a. A description and location of the visible, lockable **AC disconnect switch**.

      PG&E requires an Owner to install an AC disconnect switch to facilitate maintenance of the Owner's equipment (i.e. inverter, PV arrays, etc). The AC disconnect switch provides PG&E the ability to isolate the Owner's generator from the NEMV Eligible Renewable Electric Generation Facility and utility's Distribution System.

   b. A description of the specific **inverter**(s), if any, used to control the interconnection between PG&E and the Renewable Electric Generation Facility, including rating, brand name, and model number. Only CEC-certified inverters[3] will pass the requirements for Simplified Interconnection per PG&E's Electric Rule 21. Non-certified units will require further study and may involve additional costs.

   c. A complete description of the **generating equipment Owner plans to install**. The description must include the generator manufacturer name, model number, number of panels, and the nameplate rating. As with the inverters, only CEC-certified equipment will pass the requirements for Simplified Interconnection. (See the PG&E website www.pge.com/gen or the CEC website in footnote below). For generator equipment that is not CEC certified, Applicant may need to provide additional information and/or documentation at PG&E's request.

   d. A description of how the power output from the inverter is connected to the **main service panel via a branch breaker**. The ampere rating of this branch breaker and the main service panel breaker must be compatible with the output rating of the Generating Facility. The output rating is computed based on the total nameplate rating of the inverter.

   e. PG&E requires **a generation output meter**. The description must include the meter manufacturer, model number and type (socket or panel), as well as any other relevant information (e.g., socket, panels, breakers,

[3] The CEC's eligible equipment list can be found under the CSI heading at: https://www.energy.ca.gov/programs-and-topics/topics/renewable-energy/solar-equipment-lists~~www.consumerenergycenter.org/erprebate/equipment.html~~

Electric Sample Form 79-1145 Sheet 1
Rule 21 Exporting Generator
Interconnection Request

Please Refer to Attached
Sample Form

Disconnect Switch Manufacturer: _____
Disconnect Switch Model Number: _____
Disconnect Switch Rating (amps): _____

4. Application Fee and Detailed Study Deposit as specified in Rule 21 is required to complete this application. Upon receipt of this Interconnection Request and Attachment A, PG&E will send a separate invoice for the applicable fee or deposit. **PLEASE DO NOT INCLUDE ANY CHECKS/MONIES WITH THIS INTERCONNECTION REQUEST**. (Any checks/monies submitted with this IR will be returned to the sender and may result in a delay in the application process.)

5. Attach evidence of Site Exclusivity as specified in Rule 21 Section E.2.d as applicable, and name(s), address(es) and contact information of site owner(s).

6. **Interconnection Request Instructions:** Complete this interconnection request and enter this information into PG&E's web-based form. (PG&E strongly recommends preparing all information and materials before starting the online interconnection request.) The online web-based from can be found at:

~~http://www.pge.com/mybusiness/customerservice/nonpgeutility/generateownpower/distributedgeneration/generationrule21/~~ https://www.pge.com/en_US/large-business/services/alternatives-to-pge/electric-generation-interconnection.page

Questions concerning PG&E's online interconnection request process can be directed to the Electric Generation Interconnection Department at **rule21gen@pge.com**..

7 Representative of Applicant to contact:

[To be completed by Applicant]
Name:
Title:
Company Name:
Street Address:
City, State:
Zip Code:
Phone Number:
Fax Number:
Email Address:

Electric Sample Form No. 79-1148 Sheet 1
Direct Access Customer Replacement Declaration

Please Refer to Attached
Sample Form

Pacific Gas and Electric Company

DIRECT ACCESS CUSTOMER REPLACEMENT DECLARATION

I, _____, state as follows:

1. I am an authorized representative of _____ ("Customer") and I am authorized to make this declaration.

2. I have personal knowledge of the matters set forth herein and if called upon as a witness could and would testify competently thereto.

3. Customer has entered into an agreement for electric power service (Agreement) with the following ESP, _____ .

4. Customer seeks to refurbish, reconstruct or remodel facilities at the Current Location, as noted below, and continue to serves these facilities under direct access at the Current Location. This replacement is in the normal course of business. "Current Location" means one existing customer site where the electric load of one customer service account is currently being served under direct access.

   Current Location Information (Service Accounts listed by PG&E Service Agreement Number):

   Name on Account: _____
   Current Service Agreement Number: _____
   New Service Agreement Number: _____
   Service Address: _____
   City, State, ZIP: _____
   Meter Number: _____

5. Customer understands that a DASR must be submitted within sixty (60) days of acceptance of this notice by PG&E, or establishment of electric service for the New Service Account, whichever occurs last, for this replacement to be valid.

6. Customer agrees to maintain, and make available to the California Public Utilities Commission (CPUC) upon request, all records associated with its electricity service and consumption at Current Location, including, but not limited to, the applicable meter and account numbers, and the associated direct access load.

7. Customer agrees, by signing this Declaration, to authorize PG&E to share this information with the ESP named in Condition 3 above.

8. I understand that this form at all times shall be subject to such modifications as the California Public Utilities Commission may direct from time to time in the exercise of its jurisdiction.

I declare under penalty of perjury under the laws of the State Of California that the foregoing is true and correct. Executed this _____ day of _____ , _____ at _____ , _____ [City, State]

Signature: _____
Authorized Representative of New Customer

Title: _____

Date: _____

This document may be submitted by email~~, or fax provided the originals are delivered to PG&E within ten (10) business days thereafter~~ however PG&E reserves the right to request the original signature documents if needed.

Electric Sample Form No. 79-1151A-02 Sheet 1

Agreement And Customer Authorization Net Energy Metering (NEM2)
Internconnection For Solar And/Or Wind Electric Generating Facilities Of 30 Kilowatts Or Less

Please Refer to Attached Sample Form

AGREEMENT AND CUSTOMER AUTHORIZATION
Net Energy Metering (NEM2) Interconnection For Solar And/Or Wind Electric Generating Facilities Of 30 Kilowatts Or Less

❑ **By checking this box and signing this Agreement, I (Customer) authorize PG&E to release my PG&E Electric Account information to the Company above limited to kilowatt hour (kWh) usage, operational characteristics, and other information related to my Generating Facility application. Company is also authorized to submit Application Form 79-1151-02B and act on my behalf with regard to the interconnection and receive copies of this executed Interconnection Agreement and the Permission to Operate Letter when issued.**

Part II – NEM2 Generator System Size

A. Interconnection Study and Requirements

This Agreement covers the installed Generating Facility nameplate listed in the accompanying Application Form 79-1151-02B.

The interconnection study will use the nameplate to determine if Interconnection Facilities or Distribution or Network Upgrades are required and the responsible party for the associated costs. If upgrades are required, this will increase the time it will take for PG&E to approve your interconnection.

In order for PG&E to approve your system, you will need to provide (1) this signed Agreement, (2) Application Form 79-1151-02B, and (3) a copy of the final signed jurisdiction approval (building permit) for your project.

NEM2 systems should be sized with an estimated annual production no larger than 110% of the Customer's total previous 12 months of usage (annual usage) and projected future increase. All NEM2 customers must take service on a Time-of-Use rate schedule and sizing your system to offset 80%-85% of your average electricity usage could be an effective way to minimize your electricity bill[A]. Of course, individual circumstances may vary. Customers can obtain their usage data by following the instructions on www .pge.com on the page titled "Access, download, or share usage data. ~~Customers can obtain their usage data from www.pge.com/greenbutton.~~

[A] Customers on rate schedules such as ET, ES, and ESR, which do not have a corresponding TOU Rate, are not required to switch to TOU rates, unless and until such a rate becomes available.

AGREEMENT AND CUSTOMER AUTHORIZATION
Net Energy Metering (NEM2) Interconnection For Solar And/Or Wind Electric Generating Facilities Of 30 Kilowatts Or Less

Generator System Sizing

Generator System Type: ❑ Solar ❑ Wind ❑ Both

	(1) Solar CEC-AC rating[B]	_____ (kW) X 1,664[C]	=	_____ (kWh)
AND/OR	(2) Wind Nameplate rating	_____ (kW) X 2,190[D]		_____ (kWh)
	(3) Total Energy Production	(1) + (2)		_____ (kWh)

Estimated Annual Energy Usage:
(Solar systems ≤ 5 kW (CEC-AC) do not need to complete this section)

	(4) Recent annual usage	_____ (kWh) X 1.1	=	_____ (kWh)
OR (If 12 months usage not available)	(5) Building size	_____ (sq ft) X 3.32[E]	=	_____ (kWh)
AND	(6) I plan to increase my annual usage (kWh) by			_____ (kWh)
	(7) Total Energy Usage	(4 or 5) + (6)	=	_____ (kWh)

Net Generation:

	(8) Production – Usage	(3) – (7)	=	_____ (kWh)*

*Positive number indicates that the system is estimated to generate more than the estimated usage. Please refer to Part IV, Section E~~H~~ to read the provisions around Net Surplus Compensation (NSC).

Part III – Rate Selection

A. Current Rate: Please identify your existing rate by reviewing your PG&E energy statement or by calling the phone number listed below.

Otherwise Applicable Rate Schedule (OAS) for NEM2 Account: Select one rate from the category applicable to you. NEM2 residential customers must be an applicable time-of-use rate[F] schedule. If you are currently on a rate that is no longer open to new customers and are opting to move to a different rate, by signing this Agreement and Customer Authorization you are acknowledging that you are leaving the current rate and will not be able to return to this rate in the future. Visit www.pge.com/rateoptions or call (800)-PGE-5000 for rate information.

Residential Service Rate (Select one):

[Rate Schedule to be Selected online from Currently Available Residential Rates]

[B] CEC-AC (kW) =California Energy Commission Alternating Current, refers to the inverter efficiency rating (Quantity of PV Modules x PTC Rating of PV Modules x CEC Inverter Efficiency Rating)/1000
[C] 8,760 hrs/yr x 0. solar 19 capacity factor = 1,664
[D] 8,760 hrs/yr x 0.25 wind capacity factor = 2,190
[E] 2 watts/ sq ft x 1/1,000 watts x 8,760 hrs/yr x 0.19 solar capacity factor = 3.32
[F] Schedules such as ES, ESR or ET, which have no available corresponding time-of-use rate, are not required to switch to time-of-use rates, unless and until such a rate becomes available.

The Customer's meter separately measures exports and imports.

The meter is read monthly and an amount is calculated based on the net energy (kWh) and total energy(kWh) exports recorded in kilowatt hours (kWh). If a customer exported more electricity than they drew from the energy provider in a given billing cycle, the amount is deemed a surplus. If a customer received more electricity from PG&E than they exported, the amount is deemed a charge. The rate at which the charge or surplus is calculated is based on the customer's OAS which is requested by the Customer in this Agreement.

Additionally, the Customer will be billed for non-bypassable charges on all imports from the grid, as describe in Schedule NEM2 Special Condition 2.

After 12 billing cycles, the corresponding charges and surpluses are reconciled in the annual true-up bill. Any remaining charges must be paid and any excess surpluses are typically zeroed out. More information about NEM2 billing is available at www.pge.com/nembilling.

E. Net Surplus Compensation (NSC)

NSC payments are made to NEM2 customers who produce more electricity than they use during the Relevant Period. The payment rate is based on a rolling 12-month average of spot market prices and may fluctuate on a monthly basis. The historical range of the NSC rate at the time of this Advice Filing is approximately $0.03 to $0.04. A history of NSC rates is available at www.pge.com/nembilling. If a customer would like to opt out from receiving this payment, please visit ~~www.pge.com/nscoptout to complete Form 79-1130~~ https://www.pge.com/tariffs/assets/pdf/tariffbook/ELEC_FORMS_79-1130.pdf. Participants in NEM2A, please see provisions in *NEM2 Load Aggregation Appendix (Form 79-1153)*.

F. Limitation of Liability

PG&E's and Customer's (Individually Party or together Parties) liability to the other Party for any loss, cost, claim, injury, liability, or expense, including reasonable attorney's fees, relating to or arising from any act or omission in its performance of this Agreement, shall be limited to the amount of direct damage actually incurred. In no event shall either Party be liable to the other Party for any indirect, special, consequential, or punitive damages of any kind whatsoever.

G. Governing Law

This Agreement shall be interpreted, governed, and construed under the laws of the State of California as if executed and to be performed wholly within the State of California.

Part IV – Interconnection Agreement Provisions – Continued

A. Governing Authority

This Agreement shall at all times be subject to such changes or modification by the CPUC as said Commission may, from time to time, direct in the exercise of its jurisdiction.

B. Term of Agreement

This Agreement shall become effective as of the date of PG&E's issuance of the permission to operate letter after receipt of all applicable fees, required documents, and this completed Agreement. This Agreement shall continue in full force and effect until terminated by either Party providing 30-days prior written notice to the other Party, or when a new Customer takes service with PG&E operating this approved generating facility. This new Customer will be interconnected subject to the terms and conditions as set forth in Schedule NEM2.

C. Meter Access

The electric meter must be installed in a safe location easily accessible upon PG&E request.

D. Stale Agreements

If this agreement is still pending one year from the date it is received by PG&E and Customer has not met all of the requirements, PG&E will close this application and Customer will be required to submit a new Agreement and Application should Customer wish to take service on Schedule NEM2.

E. CEC Listed

In order to promote the safety and reliability of the customer's Generating Facility, the applicant certifies that as a part its request for NEM2, that all major solar system components are on the verified equipment list maintained by the California Energy Commission and certifies that other equipment, as determined by PG&E, has safety certification from a nationally recognized testing laboratory.

F. Warranties or Service Agreements

Customer certifies as a part of its interconnection request for NEM2 that:

(i) a warranty of at least 10 years has been provided on all equipment and on its installation, or

(ii) a 10-year service warranty or executed "agreement" has been provided ensuring proper maintenance and continued system performance.

G. Smart Inverters

For Customer applications received on or after September 9, 2017, the Customer certifies that their inverter-based Generating Facilities fully comply with Section Hh of Rule 21, including configuration of protective settings and default settings, in accordance with the specifications therein.

Distribution Provider may require a field verification of the Customer's inverter. Customer further agrees to cooperate fully with any such request and make their inverter available to the Distribution Provider for such verification. Customer understands that in the event the inverter is not set in accordance with Section Hh of Rule 21, Customer will need to cease operation of generating facility until verification is confirmed by Distribution Provider.

(Solar inverter models and firmware versions that comply with Rule 21 Section Hh can be found at ~~http://www.gosolarcalifornia.org/equipment/inverters.php~~https://www.energy.ca.gov/programs-and-topics/topics/renewable-energy/solar-equipment-lists.)

Verification of compliance with such requirements shall be provided by the Customer upon request by PG&E in accordance with PG&E's Electric Rule 21.

An "existing inverter" is defined as an inverter that is a component of an existing Generating Facility that meets one or more of the following conditions:

(a) it is already approved by PG&E for interconnection prior to September 9, 2017

(b) the Customer has submitted the interconnection application prior to September 9, 2017,

(c) the Customer provides evidence of having applied for an electrical permit for the Generating Facility installation that is dated prior to September 9, 2017 and submitted a complete interconnection application [G] no later than March 31, 2018, or

[G] A complete application consists all of the following without deficiencies:
1. A completed Interconnection Application including all supporting documents and required payments,
2. A completed signed Interconnection Agreement, (continued on next page)
3. Evidence of the Customer final inspection clearance from the governmental authority having jurisdiction over the generating system.

ELECTRIC SAMPLE FORM 79-1152 Sheet 1
CUSTOMER INFORMATION SERVICE REQUEST FOR DRP (CISR-DRP)

Please Refer to Attached
Sample Form

Pacific Gas and Electric Company®

CUSTOMER INFORMATION SERVICE REQUEST FOR DRP (CISR-DRP)

IMPORTANT INFORMATION FOR CUSTOMERS – BE SURE TO READ FIRST
THIS IS A LEGALLY BINDING CONTRACT – READ IT CAREFULLY

Pacific Gas and Electric Company's (PG&E's) Electric Rule 27 and its corresponding privacy policies, which can be found at www.pge.com/about/company/privacy/customer, generally do not allow for the disclosure of customers' personal information, such as your name, address, phone number, or electric or gas account and billing information, to third parties unless you expressly authorize us to do so. This form allows you to exercise your right to disclose your personal electricity-related information to up to two third-party Demand Response Providers (DRPs), pursuant to PG&E's Electric Rule 24 (Rule 24), so that you may obtain Demand Response services offered by DRP(s). Rule 24 can be accessed at https://www.pge.com/tariffs/assets/pdf/tariffbook/ELEC_RULES_24.pdf~~www.pge.com/tariffs/tm2/pdf/ELEC_RULES_24.pdf~~. This form may be used for authorization to release Bundled, Community Choice Aggregation (CCA), and Direct Access (DA) customer's information. In some cases two different DRPs may work in concert to help a customer obtain Rule 24 Demand Response services. Accordingly, this form allows for disclosure of your information to both a First DRP and an optional Second DRP. Alternatively, each DRP may submit its own CISR-DRP forms with your consent to receive personal information about you. Once you authorize access by the DRP(s) to your personal information, you are responsible for ensuring that the DRP(s) safeguards this information from further disclosure without your consent. Authorization for PG&E to release your information under Rule 24 is separate from commitments you may have or may make with the DRP(s) for their services.

This form grants the First DRP the ability to request that PG&E make limited changes to the PG&E electric meter(s) serving your Service Agreement(s), as specified in Section C below.

I, (Customer),

Customer Name According To PG&E Records					
Contact Name *(if different from above)*	First		Last		
E-Mail				Phone	

(You are required to provide at least your e-mail or phone number.)

do hereby ☐ AUTHORIZE ☐ REVOKE (*check only one*) the following DRP(s):

Name of First DRP		PG&E Rule 24 ID	
E-Mail		Phone	

(Complete the following table only if the customer is authorizing data to be released to one additional DRP)

Name of Second DRP		PG&E Rule 24 ID	
E-Mail		Phone	

Access to the following electric Service Agreements:

STREET ADDRESS	SERVICE CITY	SERVICE AGREEMENT ID

(You can include an additional 15 service agreements by attaching a list to this form.)

*Automated Document, Preliminary Statement, Part A

Electric Sample Form No. 79-1174 Sheet 1
Rule 21 Generator Interconnection Application

Please Refer to Attached Sample Form

INTERCONNECTION APPLICATION (Form 79-1174)
ATTACHMENT INFO
CUSTOMER AND PROJECT INFORMATION

Part I - Selecting the Study Process[1]

This Application is not applicable for incentives and/or rebates offered by the Energy Resources Conservation and Development Commission (CEC), the CPUC or any other entity. Please contact those agencies directly or on their respective websites:

~~www.energy.state.ca.us~~www.energy.ca.gov **and** www.cpuc.ca.gov.

Please check one:

- ☐ Fast Track Process.
- ☐ Detailed Study (not typical)
  - Will be either an Independent Study Process, Distribution Group Study Process or Transmission Cluster Study Process, dependent upon the Electrical Independence Tests.

Part II – Identifying the Generating Facility Location and Responsible Parties

Project Name:

A. Generating Facility Account Information (What electric service will the Generating Facility be interconnected for parallel operation with PG&E? For aggregated electric accounts provide the primary account and meter information).

Name shown on PG&E service account	Electric Service Agreement ID number - 10-digits	Electric Badge (Meter) Number - 6-10 digits (alpha numeric)

NOTE: ***Customer Electric account must match the customer's utility bill account information.***

Meter Location Street Address	City	CA State	Zip - 5-digits

Please check all that apply:

- ☐ A New Generating Facility interconnection (at an existing service).
- ☐ Physical Changes to an interconnected Generating Facility with previous approval by PG&E (adding PV panels, adding energy storage as an addition or enhancement, changing inverters/turbines or changing load and/or operations).
- ☐ A New interconnection in conjunction with a new service.
  - An **Application for Service** must be completed. Additional fees may be required if a service or line extension is required (in accordance with PG&E Electric Rules 15 and 16). Please contact PG&E at 1-800-PGE-5000 or Rule21Gen@pge.com.
- ☐ An Interconnection under Direct Access (DA).
  - Customers applying for interconnection who are served under Direct Access by an Electric Service Provider (ESP) must contact their ESP directly for information regarding the options available under their Direct Access contract.

[1] For selection of Study Process for Exporting Generating Facilities, please complete the Rule 21 Exporting Generating Facility Interconnection Request Form 79-1145.

INTERCONNECTION APPLICATION (Form 79-1174)
ATTACHMENT P4
NEMV

Part 2 - Designation of NEMV Generating Account and Benefitting Accounts and Their Respective Eligible Energy Credit Allocation

Section 1 Instructions

a. Please ensure the information on the Customer and Project Information for account information represents the owner as per NEMV.

b. Is this an application to establishing the Annual Eligible Energy Credit Allocation for a new NEMV Arrangement or for a change to the Allocation for an existing NEMV facility, as described in either NEMV Special Condition 2 or 3(g)?
   ❑ This application is for an allocation for the initial, new NEMV Arrangement:
   ❑ This application is for a reallocation for an existing NEMV Arrangement:

c. Please use the attached Appendix A, Section 2 page to list all Benefitting Accounts in the Arrangement that will be taking service on NEMV. Alternatively, an Applicant may fill out the table below in a digital format (i.e. spreadsheet) and supply that along with the application and agreement to NEMVGen@pge.com The Benefitting Accounts must be associated with the same Generator Account and all must satisfy the applicable Service Delivery Point requirements in the NEMV Applicability Section to be Eligible for Schedule NEMV.

   Please note for each row:
   - **Account Type** – (required) – The Generator Account row should be completed for the pertinent information for each column indicated; the Benefitting Account rows should be complete for the pertinent information for each column indicated. If there are more Benefitting Accounts than will fit on one page please use additional sheets as required and number pages accordingly.
   - **Account Address – (**required) -- Provide an address, including unit / apartment number, for all Accounts (for the Generator Account you may use the street address of the building upon which the generator will be installed).
   - **Occupant's / Owner's Name** – (required) - For the Generator Account enter the Owner's name; for all Benefitting accounts enter the name of the occupant or PG&E customer name for that location.
   - **PG&E Meter Number – (**required) **-** Enter the PG&E Meter Numbers for the all benefitting accounts.
   - **Otherwise Applicable Rate Schedule** – required -- Enter the PG&E Otherwise Applicable Rate Schedule (OAS) for the Generator Account and all Benefitting Accounts.
   - **Eligible Allocation Percentage – (**required) -- For each Benefitting Account listed, enter the Eligible Allocation Percentage to two decimal places. The Eligible Energy Allocation Percentage for each Benefitting Account should be established so that the annual kilowatt hours allocated offsets no more than part or all of the customer's own annual electrical requirements. The total of all Benefitting Account Eligible Allocation Percentages in Appendix A for this NEMV Arrangement must equal exactly 100%. If Owner is changing the Eligible Allocation Percentage on an existing NEMV Arrangement, please list all allocations to confirm they add up to 100% and **circle** the changed allocations.
   - **Designated Unallocated Credit Account** " system operator/qualified customer" has the option to designate the disposition of unallocated credits to either: the Common Area Account, or one Benefiting Account. In the NEMV tariff this is referred to as the "Default Account."
   - **Appendix A, Section 2 Page Numbers –** In the space provided on the bottom of each page, please mark the page number and total number of pages for your Appendix A, Section 2, Account List. (Start with Page 1 and do not count the page numbers for this instruction page. Also indicate on one of the pages if the allocation is for a new Arrangement or an existing Arrangement).

If Owner would like billing data from a Benefiting Account in order to verify the credit allocation they need the Benefitting Account customer's consent. To facilitate this process, here is a link to the *Authorization to Receive Customer Information or Act Upon a Customer's Behalf*: https://www.pge.com/tariffs/assets/pdf/tariffbook/ELEC_FORMS_79-1095.pdf ~~www.pge.com/tariffs/tm2/pdf/ELEC_FORMS_79-1095.pdf~~ - (Form 79-1095) that would need to be submitted to PG&E prior to release of the Benefitting Account customer's billing data to the Owner.

Electric Sample Form No. 79-1174-02 Sheet 1
Rule 21 Generator Interconnection Application

Please Refer to Attached
Sample Form

RULE 21 GENERATOR INTERCONNECTION APPLICATION (Form 79-1174-02)

Part I - Introduction and Overview

A. Applicability: This Generating Facility Interconnection Application (Application) is used to request the interconnection to Pacific Gas and Electric Company's (PG&E) Electric System (over which the California Public Utilities Commission (CPUC) has jurisdiction) one or more of the following[1] tariffs:

(1) Non-Exporting Generating Facilities;
(2) NEM2 Solar (PV) (other than PV 30 KW or less)[2]; or RPS Generating Facilities
(3) NEM2 California Dept. of Corrections & Rehabilitation
(4) NEM2A – NEM2 Load Aggregation (under Schedule NEM2)
(5) NEM2MT- generating facilities subject to multiple tariff treatment
(6) RES-BCT (Renewable Energy Self-Generation Bill Credit Transfer) Generating Facilities;
(7) NEMFC / NEMFCA Net Energy Metering for Fuel Cells
(8) NEM2V – Virtual Net Energy Metering
(9) NEMVMASH (on a single Service Delivery Point, or for a Low Income Development)

Refer to PG&E's Electric Rule 21 and program tariffs to determine the specific requirements for interconnecting a Generating Facility. Capitalized terms used in this Application, and not otherwise defined herein, shall have the same meanings as defined in PG&E's Rule 21 and Rule 1.

Except as noted in the next paragraph, this Application may be used for any Generating Facility to be operated by, or for, a Customer and/or Interconnection Customer to supplement or serve part or all of its electric energy requirements that would otherwise be provided by PG&E, including distributed generation, cogeneration, emergency, backup, standby generation, and certain Net Energy Metered Generating Facilities. While Customers operating Generating Facilities isolated from PG&E's Electric System are not obligated to enter into an Interconnection Agreement with PG&E, parts of this Application will still need to be completed to satisfy PG&E's notice requirements for operating an isolated Generating Facility as specified in the California Health and Safety Code Section 119085 (b).

This Application may not be used to apply for interconnecting Generating Facilities used to participate in transactions where all, or a portion of, the electrical output of the Generating Facility is scheduled with the California Independent System Operator (CAISO). Such transactions may be subject to the jurisdiction of the Federal Energy Regulatory Commission (FERC) and require a different application available from PG&E.

This Application is not applicable for incentives and/or rebates offered by the Energy Resources Conservation and Development Commission (CEC), the CPUC or any other entity. Please contact those agencies directly or on their respective websites:

~~www.energy.state.ca.us~~ www.energy.ca.gov and www.cpuc.ca.gov.

B. Guidelines and Steps for Interconnection: This Application must be completed and sent to PG&E along with the additional information indicated in Part II below to initiate PG&E's interconnection review of

[1] Also when included with Energy Storage (e.g., batteries), or when operating under the provisions of PU Code 218, where permitted.
[2] For Net Energy Metering Customers with Solar and/or Wind Electric Generating Facilities less than 30 kW that are not paired with Energy Storage, simpler, shorter forms are available from PG&E (i.e., Forms 79-1151-02 A and B). These forms are available on PG&E's website at http://www.pge.com/gen.

4. **Variance Request** - A variance request will be required for anything outside Electric Rule 21[3], PG&E's Greenbook[4], or PG&E's Distribution or Transmission Interconnection Handbooks[5,6] stated requirements. (See links below)
5. **Transformer nameplate information** - Provide **transformer nameplate information** (voltages, capacity, winding arrangements, connections, impedance, et cetera), if transformers are used to interconnect the Generating Facility with PG&E's Electric System,
6. **Transfer switch/scheme documentation** - If used to interconnect the Generating Facility with PG&E Electric System, Documentation shall include component descriptions, capacity ratings, and a technical description of how the transfer scheme is intended to operate.
7. **Protective relay documentation** If used to control the interconnection, documentation shall include protection diagrams or elementary drawings showing relay wiring and connections, proposed relay settings, and a description of how the protection scheme is intended to function.

Part III Application Appendices

Application Instructions: Complete this application for the complete Generating Facility and enter this information into PG&E's web-based form. (PG&E strongly recommends preparing all information and materials before starting the online application.) The online web-based form can be found at:

~~http://www.pge.com/mybusiness/customerservice/nonpgeutility/generateownpower/distributedgeneration/generationrule21/~~ https://www.pge.com/en_US/for-our-business-partners/interconnection-renewables/interconnections-renewables.page?ctx=large-business

Questions concerning PG&E's Online Application process can be directed to the Electric Generation Interconnection Department at rule21gen@pge.com.

For each new generating facility you are applying to interconnect, please complete and submit the applicable appendices.

[3] Rule 21 can be found at: ~~http://www.pge.com/tariffs/tm2/pdf/ELEC_RULES_21.pdf~~ https://www.pge.com/tariffs/assets/pdf/tariffbook/ELEC_RULES_21.pdf

[4] PG&E's Greenbook can be found at: http://www.pge.com/greenbook/

[5] Distribution Interconnection Handbook (DIH) can be found at: ~~http://www.pge.com/en/mybusiness/services/nonpge/generateownpower/distributedgeneration/interconnectionhandbook/index.page~~ https://www.pge.com/en_US/large-business/services/alternatives-to-pge/distribution-handbook.page

[6] Transmission Interconnection Handbook (TIH) can be found at: ~~http://www.pge.com/en/mybusiness/services/nonpge/electrictransmission/contractstariffs/handbook/index.page~~ https://www.pge.com/en_US/large-business/services/alternatives-to-pge/third-party-electric-options/electric-transmission-services/transmission-interconnection-handbooks.page

INTERCONNECTION APPLICATION (Form 79-1174-02)
ATTACHMENT P4
NEM2V

Part 2 - Designation of NEMV Generating Account and Benefitting Accounts and Their Respective Eligible Energy Credit Allocation

Section 1 Instructions

a. Please ensure the information on the Customer and Project Information for account information represents the owner as per NEM2V.

b. Is this an application to establishing the Annual Eligible Energy Credit Allocation for a new NEM2V Arrangement or for a change to the Allocation for an existing NEM2V facility, as described in either NEM2V Special Condition 2 or 3(g)?

- ❑ This application is for an allocation for the initial, new NEM2V Arrangement:
- ❑ This application is for a reallocation for an existing NEM2V Arrangement:

c. Please use the attached Appendix A, Section 2 page to list all Benefitting Accounts in the Arrangement that will be taking service on NEM2V. Alternatively, an Applicant may fill out the table below in a digital format (i.e. spreadsheet) and supply that along with the application and agreement to NEMVGen@pge.com The Benefitting Accounts must be associated with the same Generator Account and all must satisfy the applicable Service Delivery Point requirements in the NEM2V Applicability Section to be Eligible for Schedule NEM2V.

Please note for each row:

- **Account Type** – (required) – The Generator Account row should be completed for the pertinent information for each column indicated; the Benefitting Account rows should be complete for the pertinent information for each column indicated. If there are more Benefitting Accounts than will fit on one page please use additional sheets as required and number pages accordingly.
- **Account Address – (**required) -- Provide an address, including unit / apartment number, for all Accounts (for the Generator Account you may use the street address of the building upon which the generator will be installed).
- **Occupant's / Owner's Name** – (required) - For the Generator Account enter the Owner's name; for all Benefitting accounts enter the name of the occupant or PG&E customer name for that location.
- **PG&E Meter Number – (**required) **-** Enter the PG&E Meter Numbers for the all benefitting accounts.
- **Otherwise Applicable Rate Schedule** – required -- Enter the PG&E Otherwise Applicable Rate Schedule (OAS) for the Generator Account and all Benefitting Accounts.
- **Eligible Allocation Percentage – (**required) -- For each Benefitting Account listed, enter the Eligible Allocation Percentage to two decimal places. The Eligible Energy Allocation Percentage for each Benefitting Account should be established so that the annual kilowatt hours allocated offsets no more than part or all of the customer's own annual electrical requirements. The total of all Benefitting Account Eligible Allocation Percentages in Appendix A for this NEM2V Arrangement must equal exactly 100%. If Owner is changing the Eligible Allocation Percentage on an existing NEM2V Arrangement, please list all allocations to confirm they add up to 100% and **circle** the changed allocations.
- **Designated Unallocated Credit Account** "system operator/qualified customer" has the option to designate the disposition of unallocated credits to either: the Common Area Account, or one Benefiting Account. In the NEM2V tariff this is referred to as the "Default Account."
- **Appendix A, Section 2 Page Numbers –** In the space provided on the bottom of each page, please mark the page number and total number of pages for your Appendix A, Section 2, Account List. (Start with Page 1 and do not count the page numbers for this instruction page. Also indicate on one of the pages if the allocation is for a new Arrangement or an existing Arrangement).

If Owner would like billing data from a Benefiting Account in order to verify the credit allocation they need the Benefitting Account customer's consent. To facilitate this process, here is a link to the *Authorization to Receive Customer Information or Act Upon a Customer's Behalf*: ~~www.pge.com/tariffs/tm2/pdf/ELEC_FORMS_79-1095.pdf~~ https://www.pge.com/tariffs/assets/pdf/tariffbook/ELEC_FORMS_79-1095.pdf - (Form 79-1095) that would need to be submitted to PG&E prior to release of the Benefitting Account customer's billing data to the Owner.

Electric Sample Form No. 79-1186 Sheet 1
Customer Information Service
Request For Share My Data CISR-SMD

Please Refer to Attached
Sample Form

CUSTOMER INFORMATION SERVICE REQUEST FOR SHARE MY DATA (CISR-SMD)

IMPORTANT INFORMATION FOR CUSTOMERS – BE SURE TO READ FIRST
THIS IS A LEGALLY BINDING CONTRACT – READ IT CAREFULLY

This form allows you to create a new Authorization to grant a Third Party access to your PG&E data via PG&E's Share My Data (SMD) platform or to modify or revoke an existing Authorization you currently have on the Share My Data platform. This form should be completed by the main Customer Account Holder (name on the PG&E bill) or the Customer's Authorized Agent.

Pacific Gas and Electric Company's (PG&E's) Gas and Electric Rules 27 and its corresponding privacy policies, which can be found at www.pge.com/about/company/privacy/customer, do not allow for the disclosure of customers' personal information, such as your name, address, phone number, or electric account and billing information, to third parties for purposes other than providing utility services to you or as otherwise required by law, unless you expressly authorize us to do so. This form allows you to exercise your right to disclose personal energy-related information about you to a Third Party under PG&E's Electric Rule 25 which can be found at ~~www.pge.com/tariffs/tm2/pdf/ELEC_RULES_25.pdf~~https://www.pge.com/tariffs/assets/pdf/tariffbook/ELEC_RULES_25.pdf. This form may be used to authorize the release of electric-related information for Bundled, Community Choice Aggregation (CCA), Direct Access (DA) customers, and gas-related information for Core End-Use and Noncore End-Use customers. When you authorize access by a Third Party to personal energy-related information about you, you agree that you are solely responsible for ensuring that the Third Party safeguards this information from further disclosure without your consent.

If you want to provide data to a Demand Response Provider (DRP), please use "Customer Information Service Request For Demand Response Provider" (CISR-DRP), Form 79-1152.

This agreement at all times shall be subject to such modifications as the California Public Utilities Commission may direct from time to time in the exercise of its jurisdiction, including, without limitation, revisions to the types of customer information to be released.

STEP 1: AUTHORIZATION DETAILS

- ***Please select the action you wish to take:***

  [ ] **CREATE** A NEW AUTHORIZATION – Please Complete SECTION 1
  [ ] **MODIFY** AN EXISTING AUTHORIZATION – Please Complete SECTION 2
  [ ] **REVOKE** AN EXISTING AUTHORIZATION – Please Complete SECTION 3

[SECTION 1: CREATE A NEW AUTHORIZATION]

- ***Please provide either an email address or your My Account User Name:***

  [ ] Email Address: _____
  (The email address you provide here will be used for all transactional emails relating to this Authorization.)

  OR

  [ ] My Account User Name: _____
  (If you provide your My Account User Name you will have the ability to modify or revoke this Authorization via My Account, your PG&E online account. All transactional emails relating to this Authorization will be sent to the email address associated to your My Account account.)

Electric Sample Form No. 79-1191 Sheet 1
Generating Facility Interconnection Agreement for Local Government Renewable Energy Self-Generation Bill Credit Transfer (RES-BCT)

Please Refer to Attached Sample Form

(Continued)

may require Producer to provide evidence that its Generating Facility continues to meet the Cogeneration Requirements within 15 business days of PG&E's request for such evidence. Additionally, PG&E may periodically (typically, once per year) inspect Producer's Generating Facility and/or require documentation from Producer to monitor the Generating Facility's compliance with Section 216.6 of the PUC. If PG&E determines in its sole judgment that Producer either failed to provide evidence in a timely manner or that it provided insufficient evidence that its Generating Facility continues to meet the Cogeneration Requirements, then the Cogeneration status of the Generating Facility shall be deemed ineffective until such time as Producer again demonstrates to PG&E's reasonable satisfaction that the Generating Facility meets the requirements for a Cogeneration facility (the Status Change).

5.1.1. PG&E shall revise its records and the administration of this Agreement to reflect the Status Change and provide Notice to Producer of the Status Change pursuant to Section 12.1 below. This Notice shall specify the effective date of the Status Change. This date shall be the first day of the calendar year for which PG&E determines in its sole discretion that the Generating Facility first ceased to meet the Cogeneration Requirements. PG&E's Notice shall include an invoice for Competition Transition Charges (CTCs) that were not previously billed during the period between the effective date of the Status Change and the date of the Notice in reliance upon Producer's representations that the Generating Facility complied with the Cogeneration Requirements and therefore was eligible for the exemption from CTCs available under Section 372 of the PUC.

5.1.2. Any amounts to be paid or refunded by Producer, as may be invoiced by PG&E pursuant to the terms of this Section 5.1, shall be paid to PG&E within 30 days of Producer's receipt of such invoice.

5.2. The Producer certifies that their inverter-based Generating Facilities will upon receiving permission to operate from PG&E fully comply with Section Hh of Rule 21 that is in effect at the time the application is received, including configuration of protective settings and default settings, in accordance with the specifications therein.

Distribution Provider may require a field verification of the Producer inverter. Producer further agrees to cooperate fully with any such request and make their inverter available to the Distribution Provider for such verification. Producer understands that in the event the inverter is not set in accordance with Section Hh of Rule 21, Producer will need to cease operation of generating facility until verification is confirmed by Distribution Provider. (Solar Inverter models and firmware versions that comply with Rule 21 Section Hh can be found at ~~http://www.gosolarcalifornia.org/equipment/inverters.php~~https://www.energy.ca.gov/programs-and-topics/topics/renewable-energy/solar-equipment-lists.

Verification of inverter model's compliance with such requirements shall be provided by the Producer upon request by PG&E in accordance with PG&E's Electric Rule 21.

An "existing inverter" is defined as an inverter that is a component of an existing

APPENDIX D

PRODUCER WARRANTY THAT IT MEETS THE REQUIREMENTS FOR AN ELIGIBLE RENEWABLE GENERATING FACILITY PURSUANT TO SECTION 2830 OF THE CALIFORNIA PUBLIC UTILITIES CODE

Identify the Type of Renewable Electrical Generation Facility:

❑ biomass	❑ geothermal	❑ municipal solid waste
❑ solar thermal	❑ fuel cell	❑ landfill gas
❑ small hydroelectric generation	❑ ocean wave	❑ digester gas
❑ ocean thermal	❑ tidal current	

RES-BCT Producer declares that its Generating Facility:

(1) meets the requirements of an "Eligible Renewable Generating Facility", as defined in Section 2830(a)(4) of the California Public Utilities Code and

(2) satisfies the definitions of the renewable resource for the Renewable Electrical Generation Facility in the latest version of the California Energy Commission's (CEC's) Renewables Portfolio Standard (RPS) Eligibility Guidebook and the Overall Program Guidebook.[1] (Eligibility Requirements).

Included in these eligibility requirements (check as applicable) pursuant to Public Utilities Code section 2830(a)(4) and Public Resource Code Section 25741 paragraph 1(a):

❑ If the Renewable Electrical Generation Facility is a fuel cell, or otherwise uses renewable biogas or otherwise, Eligible Producer warrants that the fuel cell is powered solely with renewable fuel.

❑ If the Renewable Electrical Generation Facility is a Small hydroelectric generating facility, customer warrants that it will not cause an adverse impact on instream beneficial uses, nor cause a change in the volume or timing of streamflow).

If the Customer uses biogas or a renewable fuel as the fuel for their Renewable Electric Generation Facility:

❑ Eligible Producer warrants that the Renewable Generation Facility is powered solely with renewable fuel.

Eligible Producer warrants that, beginning on the date of Initial Operation and continuing throughout the term of this Agreement, Eligible Producer and the Generating Facility shall continue to meet the

[1] The RPS Guidebooks can be found at: ~~http://www.energy.ca.gov/renewables/documents/index.html#rps~~ https://www.energy.ca.gov/programs-and-topics/programs/renewables-portfolio-standard

Electric Sample Form No. 79-1198-02 Sheet 1
Interconnection Agreement for Net Energy Metering (NEM2) and
Renewable Electrical Generating Facility Sized Greater than 1,000 kW

Please Refer to Attached
Sample Form

(Continued)

2.5 The Gross Nameplate Rating of the Generating Facility is: _____ kW.

2.6 The Net Nameplate Rating of the Generating Facility is _____ kW.

2.7 The purpose of securing the Competition Transition Charge exemption available under Section 372 of the California Public Utilities Code (PUC), Producer hereby declares that the portion of the Generating Facility that is generating in a combined heat and power mode ☐ does / ☐ does not meet the requirements for Cogeneration as such term is used in Section 216.6 of the California Public Utilities Code.

2.8 Customer-Generator's otherwise-applicable rate schedule as of the execution of this Agreement _____.

2.9 The Generating Facility's expected date of Initial Operation is _____. The expected date of Initial Operation shall be within two years of the date of this Agreement.

2.10 The Producer certifies that their inverter-based Generating Facilities will upon receiving permission to operate from PG&E fully comply with Section Hh of Rule 21 that is in effect at the time the application is received, including configuration of protective settings and default settings, in accordance with the specifications therein.

Distribution Provider may require a field verification of the Customer-Generator's inverter. Customer-Generator further agrees to cooperate fully with any such request and make their inverter available to the Distribution Provider for such verification. Customer-Generator understands that in the event the inverter is not set in accordance with Section Hh of Rule 21, Customer-Generator will need to cease operation of generating facility until verification is confirmed by Distribution Provider.

(Solar Inverter models and firmware versions that comply with Rule 21 Section Hh can be found at ~~http://www.gosolarcalifornia.org/equipment/inverters.php~~ https://www.energy.ca.gov/programs-and-topics/topics/renewable-energy/solar-equipment-lists.)

Verification of compliance with such requirements shall be provided by the Customer-Generator upon request by PG&E in accordance with PG&E's Electric Rule 21.

An "existing inverter" is defined as an inverter that is a component of an existing Generating Facility that meets one or more of the following conditions:

(a) it is already approved by PG&E for interconnection prior to September 9, 2017

(b) the Customer-Generator has submitted the interconnection application prior to September 9, 2017,

(c) the Customer-Generator provides evidence of having applied for an electrical permit for the Generating Facility installation that is dated prior to September 9, 2017 and submitted a complete interconnection application[2] no later than March 31, 2018, or

[2] A complete application consists all of the following without deficiencies:

ATTACHMENT I

Schedule NEM2 Customer-Generator Warranty that it Meets the Requirements for an Eligible Customer-Generator and is an Eligible Renewable Electrical Generation Facility Pursuant to Section 2827.1 of the California Public Utilities Code (when applicable)

(This Affidavit needs to be completed and submitted to PG&E by the Customer-Generator every time a new NEM2 interconnection agreement for a Renewable Electrical Generation Facility is executed or whenever there is a change in ownership of the Generating Facility).

Check Type of Renewable Electrical Generation Facility:

☐ biomass	☐ geothermal	☐ municipal solid waste
☐ solar thermal	☐ fuel cell	☐ landfill gas
☐ small hydroelectric generation	☐ ocean wave	☐ digester gas
☐ ocean thermal	☐ tidal current	☐ Storage/Batteries _____amp hours _____inverter kWh

NEM2 Customer-Generator (Customer) declares that:

(1) It meets the requirements to be an “Eligible Customer-Generator” and it’s Generating Facility.

(2) (a) meets the requirements of an “Renewable Electrical Generation Facility”, as defined in Section 2827(b)(5) of the California Public Utilities Code and
(b) satisfies the definitions of the renewable resource for the Renewable Electrical Generation Facility in the latest version of the California Energy Commission’s (CEC’s) Renewables Portfolio Standard (RPS) Eligibility Guidebook and the Overall Program Guidebook. [3] (Eligibility Requirements).

[3] The RPS Guidebooks can be found at: ~~http://www.energy.ca.gov/renewables/documents/index.html#rps~~ https://www.energy.ca.gov/programs-and-topics/programs/renewables-portfolio-standard

Electric Sample Form No. 79-280 Sheet 1

Agreement for Installation or Allocation of Special Facilities for Parallel Operation of Nonutility-Owned Generation and/or
Electrical Standby Service (Electric Rules 2 and 21)

Please Refer to Attached
Sample Form

12. In the event any of the Special Facilities are used during the term of this Agreement to provide permanent service to customers of PG&E, an adjustment shall be made in accordance with PG&E's electric Rule 21, copy attached.

13. Special Facilities shall at all times be the property of PG&E.

14. As provided in PG&E's electric Rule 14, copy attached, PG&E does not guarantee electrical standby service to be free from outages, interruptions or curtailments and the charges for Special Facilities represent PG&E's cost associated with providing Special Facilities rather than for a guaranteed level of service or reliability.

15. Applicant may, with PG&E's written consent, assign this ~~Assignment~~ Agreement if the assignee thereof will agree in writing to perform Applicant's obligations hereunder. Such assignment will be deemed to include, unless otherwise specified therein, all of Applicant's rights to any refunds which might become due upon discontinuance of the use of any Special Facilities.

16. This Agreement shall be subject to all of PG&E's applicable tariffs on file with and authorized by the Commission, and shall at all times be subject to such changes or modifications as the Commission may direct from time to time in the exercise of its jurisdiction.

Dated this _____ day of _____, 20_____.

This agreement is effective when accepted and executed by PG&E.

	PACIFIC GAS AND ELECTRIC COMPANY
Customer/Company	
Authorized by (Print)	Authorized by (Print)
Signature	Signature
Title	Title
Date	Date

Mailing Address:

_____

_____

_____

_____

Attachments:

Electric Rule 2
Electric Rule 14
Electric Rule 21
Appendix A

Electric Sample Form No. 79-726 Sheet 1
Electric Standby Service Log Sheet Schedule S

Please Refer to Attached
Sample Form

Pacific Gas and Electric Company®

REFERENCE: _____

ELECTRIC STANDBY SERVICE
LOG SHEET – SCHEDULE S OR SB

Date: _____

Customer: _____

Account ID: _____

Service Agreement ID: _____

Meter Reading Schedule: _____

Generator Location: _____

Name of person completing this form: _____

Telephone #: _____

Email Address: _____

The **Electric Standby Service Log Sheet**, when completed by the customer, is for PG&E's use in administering the adjustment of monthly maximum demand charges in accordance with the terms and conditions of your otherwise applicable rate schedule. To ensure that qualifying adjustments are applied to the next regular billing of electric service, ***this Electric Standby Service Log Sheet should be submitted no later than one (1) day following PG&E's meter reading date via:***

- ***Email:*** *CBStandbyLog@exchange.pge.com, OR*
- ***Fax:*** *(415) 973-5155, OR*
- ***Mail:*** Pacific Gas and Electric Company
  Attn: CB Standby Support
  P.O. Box 770000, Mail Code B12C
  San Francisco, CA 94177-0001

[To determine the date your meter will be read, find your serial "letter" on the detail pages of your bill and use PG&E's Meter Reading Schedule (~~http://www.pge.com/meterreading/~~https://www.pge.com/en_US/residential/save-energy-money/analyze-your-usage/your-usage/view-and-share-your-data-with-smartmeter/reading-the-smartmeter/meter-reading-schedule.page)].

ELECTRIC PRELIMINARY STATEMENT PART CZ Sheet 4
DISTRIBUTION REVENUE ADJUSTMENT MECHANISM

CZ. DISTRIBUTION REVENUE ADJUSTMENT MECHANISM (DRAM) (Cont'd.)

5. ACCOUNTING PROCEDURES: (Cont'd.)

aa. A debit entry equal to the billed revenue for Schedule LS-1 decorative street light conversion to LED lights.

bb. A debit entry to record one-twelfth of the authorized annual revenue requirement, for the Transportation Electrification Balancing Account subaccounts associated with (1) the Charge Smart and Save Program, authorized in Decision (D.)16-12-065, (2) four Priority Review Projects and one evaluation expense subaccount, authorized in D.18-01-024, (3) the Direct Current Fast Charger (Fast Charge) Make-Ready Program, the Medium and Heavy-Duty Vehicle Charging (Fleet Ready) Program, and Program Evaluation expenditures approved in D.18-05-040, (4) the Empower Electric Vehicle Charger Incentive and Education Program, authorized in D.19-09-006, and (5) the EV Charge Parks and EV Charge Schools Pilot Programs, authorized in D.19-11-017.

~~cc. A debit entry to record the prorata portion of the authorized non-procurement related revenue requirements for each demonstration project, over the period from when the revenue requirements begin to be recorded in this account and the project completion dates. A corresponding credit entry is included in the DRPDBA, which excludes an allowance for RF&U.~~ (D)

~~dd. A debit entry to record the prorata portion of the authorized procurement revenue requirements for each demonstration project, over the period from when the revenue requirements begin to be recorded in this account and the project completion dates. A corresponding credit entry is included in the DRPDBA, which excludes an allowance for RF&U.~~ (D)

~~ee~~cc. An entry equal to interest on the average balance in the account at the beginning of the month and the balance after the above entries, at a rate equal to one-twelfth of the interest rate on three-month Commercial Paper for the previous month, as reported in the Federal Reserve Statistical Release, H.15 or its successor.

~~ff~~dd. A debit entry equal to one-twelfth (or amortization period approved) of the electric distribution portion of the Catastrophic Event Memorandum Account (CEMA) interim rate relief for costs incurred in 2016 and 2017, as authorized by the CPUC in Decision 19-04-039 on April 25, 2019.

ELECTRIC SCHEDULE A-1 Sheet 12
SMALL GENERAL SERVICE

PEAK DAY PRICING DETAILS (CONT'D):

c. Notification Equipment: At the customer's option and expense, it is recommended, but not required that a customer provide a phone number or an e-mail address to receive automated notification messages of a PDP event from PG&E.

If a PDP event occurs, customers will be notified using one or more of the above-mentioned systems. Receipt of such notice is the responsibility of the participating customer. PG&E will make reasonable efforts to notify customers, however it is the customer's responsibility to receive such notice and to check the PG&E website to see if a PDP event has been activated. It is also the customer's responsibility to maintain accurate notification contact information. PG&E does not guarantee the reliability of the phone, e-mail system, or Internet site by which the customer receives notification.

PG&E may conduct notification test events once a month to ensure a customer's contact information is up-to-date. These are not actual PDP events and no load reduction is required.

d. PG&E Website: The customer's actual energy usage is available at PG&E's "~~My~~ Your Account" website. This data may not match billing quality data, and the customer understands and agrees that the data posted to PG&E's "Your~~My~~ Account" website may be different from the actual bill. (T) (T)

e. Program Operations: A maximum of fifteen (15) PDP events and a minimum of nine (9) PDP events may be called in any calendar year. PG&E will notify customers by 2:00 p.m. on a day-ahead basis when a PDP event will occur the next day. The PDP program will operate year-round and PDP events may be called for any day of the week.

f. Event Cancellation: PG&E may initiate the cancellation of a PDP event before 4:00 p.m. the day-ahead of a noticed PDP event. If PG&E cancels an event, it will count the cancelled event toward the PDP limits.

(Continued)

ELECTRIC SCHEDULE A-6 Sheet 10
SMALL GENERAL TIME-OF-USE SERVICE

PEAK DAY PRICING DETAILS (continued)

c. Notification Equipment: (Cont'd.).

If a PDP event occurs, customers will be notified using one or more of the above-mentioned systems. Receipt of such notice is the responsibility of the participating customer. PG&E will make reasonable efforts to notify customers, however it is the customer's responsibility to receive such notice and to check the PG&E website to see if a PDP event has been activated. It is also the customer's responsibility to maintain accurate notification contact information. PG&E does not guarantee the reliability of the phone, e-mail system, or Internet site by which the customer receives notification.

PG&E may conduct notification test events once a month to ensure a customer's contact information is up-to-date. These are not actual PDP events and no load reduction is required.

d. PG&E Website: The customer's actual energy usage is available at PG&E's "~~My~~ Your Account" website. This data may not match billing quality data, and the customer understands and agrees that the data posted to PG&E's "~~My~~ Your Account" website may be different from the actual bill. (T) (T)

e. Program Operations: A maximum of fifteen (15) PDP events and a minimum of nine (9) PDP events may be called in any calendar year. PG&E will notify customers by 2:00 p.m. on a day-ahead basis when a PDP event will occur the next day. The PDP program will operate year-round and PDP events may be called for any day of the week.

f. Event Cancellation: PG&E may initiate the cancellation of a PDP event before 4:00 p.m. the day-ahead of a noticed PDP event. If PG&E cancels an event, it will count the cancelled event toward the PDP limits.

g. Program Options: Customers may customize their PDP participation by choosing either a) no limit on the number of consecutive PDP events or b) every other PDP event. Customers electing every other PDP event will be divided into two groups and only be subject to a maximum of one-half of the PDP events called and the corresponding PDP rate credits will be reduced by 50%. Customers that do not elect an option will be defaulted to the no limit on the number of consecutive PDP events. The duration of PDP Event Operations for both options will be from 2:00 p.m. to 6:00 p.m. (four-hour window).

(Continued)

ELECTRIC SCHEDULE A-10 Sheet 14
MEDIUM GENERAL DEMAND-METERED SERVICE

PEAK DAY PRICING DETAILS (continued)

c. Notification Equipment (Cont'd.)

If a PDP event occurs, customers will be notified using one or more of the above-mentioned systems. Receipt of such notice is the responsibility of the participating customer. PG&E will make reasonable efforts to notify customers, however it is the customer's responsibility to receive such notice and to check the PG&E website to see if a PDP event has been activated. It is also the customer's responsibility to maintain accurate notification contact information. PG&E does not guarantee the reliability of the phone, e-mail system, or Internet site by which the customer receives notification.

PG&E may conduct notification test events once a month to ensure a customer's contact information is up-to-date. These are not actual PDP events and no load reduction is required.

d. Demand Response Operations Website: Customers can go to www.pge.com/peakdaypricing to view the forecast and history of Peak Day Pricing event days. Customers may manage the means by which they are notified by PG&E for Peak Day Pricing events by contacting PG&E. ~~Customers with demands of 200 kW or greater for three consecutive months can use PG&E's demand response operations website located at https://inter-act.pge.com for load curtailment event notifications and communications.~~ (T)

The customer's actual energy usage is available ~~at PG&E's demand response operations website or~~ on "~~My~~ Your Account". This data may not match billing quality data, and the customer understands and agrees that the data posted to PG&E's ~~demand response operations website or~~ "~~My~~ Your Account" may be different from the actual bill. (T) (T)

e. Program Operations: A maximum of fifteen (15) PDP events and a minimum of nine (9) PDP events may be called in any calendar year. PG&E will notify customers by 2:00 p.m. on a day-ahead basis when a PDP event will occur the next day. The PDP program will operate year-round and PDP events may be called for any day of the week.

f. Event Cancellation: PG&E may initiate the cancellation of a PDP event before 4:00 p.m. the day-ahead of a noticed PDP event. If PG&E cancels an event, it will count the cancelled event toward the PDP limits.

g. Program Options: Customers may customize their PDP participation by choosing either a) no limit on the number of consecutive PDP events or b) every other PDP event. Customers electing every other PDP event will be divided into two groups and only be subject to a maximum of one-half of the PDP events called and the corresponding PDP rate credits will be reduced by 50%. Customers that do not elect an option will be defaulted to the no limit on the number of consecutive PDP events. The duration of PDP Event Operations for both options will be from 2:00 p.m. to 6:00 p.m. (four-hour window).

(Continued)

ELECTRIC SCHEDULE AG-4 Sheet 18
TIME-OF-USE AGRICULTURAL POWER

16. PEAK DAY PRICING DETAILS (CONT'D):

c. Notification Equipment: At the customer's option and expense, it is recommended, but not required that a customer provide a phone number or an e-mail address to receive automated notification messages of a PDP event from PG&E.

If a PDP event occurs, customers will be notified using one or more of the above-mentioned systems. Receipt of such notice is the responsibility of the participating customer. PG&E will make reasonable efforts to notify customers, however it is the customer's responsibility to receive such notice and to check the PG&E website to see if a PDP event has been activated. It is also the customer's responsibility to maintain accurate notification contact information. PG&E does not guarantee the reliability of the phone, e-mail system, or Internet site by which the customer receives notification.

PG&E may conduct notification test events once a month to ensure a customer's contact information is up-to-date. These are not actual PDP events and no load reduction is required.

d. Demand Response Operations Website: Customers can go to www.pge.com/peakdaypricing to view the forecast and history of Peak Day Pricing event days. Customers may manage the means by which they are notified by PG&E for Peak Day Pricing events by contacting PG&E. ~~Customers with demands of 200 kW or greater for three consecutive months can use PG&E's demand response operations website located at https://inter-act.pge.com for load curtailment event notifications and communications.~~ (T)

The customer's actual energy usage is available ~~at PG&E's demand response operations website or~~ on "~~My~~ Your Account". This data may not match billing quality data, and the customer understands and agrees that the data posted to PG&E's ~~demand response operations website or~~ "~~My~~ Your Account" may be different from the actual bill. (T) (T)

e. Program Operations: A maximum of fifteen (15) PDP events and a minimum of nine (9) PDP events may be called in any calendar year. PG&E will notify customers by 2:00 p.m. on a day-ahead basis when a PDP event will occur the next day. The PDP program will operate year-round and PDP events may be called for any day of the week.

f. Event Cancellation: PG&E may initiate the cancellation of a PDP event before 4:00 p.m. the day-ahead of a noticed PDP event. If PG&E cancels an event, it will count the cancelled event toward the PDP limits.

(Continued)

ELECTRIC SCHEDULE AG-5 Sheet 21
LARGE TIME-OF-USE AGRICULTURAL POWER

17. PEAK DAY PRICING DETAILS (CONT'D):

e. Demand Response Operations Website: Customers can go to www.pge.com/peakdaypricing to view the forecast and history of Peak Day Pricing event days. Customers may manage the means by which they are notified by PG&E for Peak Day Pricing events by contacting PG&E. ~~Customers can use PG&E's demand response operations website located at https://inter-act.pge.com for load curtailment event notifications and communications.~~ (T)

The customer's actual energy usage is available ~~at PG&E's demand response operations website or~~ on "~~My~~Your Account". This data may not match billing quality data, and the customer understands and agrees that the data posted to PG&E's ~~demand response operations website or~~ "~~My~~ Your Account" may be different from the actual bill. (T) (T)

f. Program Operations: A maximum of fifteen (15) PDP events and a minimum of nine (9) PDP events may be called in any calendar year. PG&E will notify customers by 2:00 p.m. on a day-ahead basis when a PDP event will occur the next day. The PDP program will operate year-round and PDP events may be called for any day of the week. PDP events will be called from 2:00 p.m. to 6:00 p.m.

g. Event Cancellation: PG&E may initiate the cancellation of a PDP event before 4:00 p.m. the day-ahead of a noticed PDP event. If PG&E cancels an event, it will count the cancelled event toward the PDP limits.

h. Event Trigger: PG&E will trigger a PDP event when the day-ahead temperature forecast trigger is reached. The trigger will be the average of the day-ahead maximum temperature forecasts for San Jose, Concord, Red Bluff, Sacramento and Fresno.

Beginning May 1 of each summer season, the PDP events on non-holiday weekdays will be triggered at 98 degrees Fahrenheit (°F), and will be triggered at 105°F on holidays and weekends. If needed, PG&E will adjust the non-holiday weekday trigger up or down over the course of the summer to achieve the range of 9 to 15 PDP events in any calendar year. Such adjustments would be made no more than twice per month and would be posted to the demand response operations website or on PG&E's PDP website.

PDP events may also be initiated as warranted on a day-ahead basis by 1) extreme system conditions such as special alerts issued by the California Independent System Operator, 2) under conditions of high forecasted California spot market power prices, 3) to meet annual PDP event limits for a calendar year, or 4) for testing/evaluation purposes.

(Continued)

ELECTRIC SCHEDULE B-19 Sheet 18
MEDIUM GENERAL DEMAND-METERED TOU SERVICE

18. Option R

The Option R rate is available to qualifying customers with PV systems that provide 15% or more of their annual electricity usage[1] as described below. No Benefitting* or Aggregated* account is eligible for Option R unless there is PV interconnected at that account that independently meets the requirements of Option R. i.e., the PV interconnected on that account meets 15% of the load at that account.

Customers:
a) Installing a new PV system with no existing generation or with existing non-PV generation; or
b) With existing PV and non-PV generation (as an existing NEMMT)

Must meet the following eligibility requirement:

$$\frac{\text{Annual PV system output}^2}{\text{Annual electricity usage}^1} \geq 15\ \%$$

Customers:
a) With an existing PV system, that are installing new PV system
b) Adding new solar to existing PV and Non-PV generation

Must meet the following eligibility requirement:

$$\frac{\text{Annual PV system (new + existing) output}^2}{\text{Annual PV system (new + existing) output}^2 + \text{Annual electricity usage}^1} \geq 15\ \%$$

* Benefiting and Aggregated accounts are defined in rate schedules that allows for such accounts for example, NEM2, RES-BCT and other tariffs.

1 Annual electricity usage (kWh): for customers with no generation will be the most recent usage over twelve billing periods, and for customers with existing generation it will be the net of imports and exports (if any, for all generators), measured at the PG&E meter over the most recent 12 billing periods. In cases where the most recent 12-month usage is not available PG&E will offer an alternate method.

2 Annual PV system Output (kWh) = CEC_{AC} rating of the panels (kW) x 8760 hours/year x 18% capacity factor where:

$$\text{CEC}_{AC}\text{ Rating of the panels (kW)} = \frac{\text{(Quantity of PV Modules (W) x PTC Rating of PV Modules x CEC Inverter Efficiency Rating)}}{1000}$$

Where the PTC and CEC inverter Efficiency Rating can be found at:
https://www.energy.ca.gov/programs-and-topics/topics/renewable-energy/solar-equipment-lists ~~The PTC rating can be found here: http://www.gosolarcalifornia.ca.gov/equipment/documents/PV_Module_List_Simplified_Data.xlsx and the CEC inverter efficiency rating here: http://www.gosolarcalifornia.ca.gov/equipment/documents/Inverter_List_Simplified_Data.xlsx~~ (T)

The above Annual PV System Output formula can be modified based on the following alternatives:
a) For customers with existing PV system, the customer may choose to supply PG&E with reliable metered data measuring Annual PV system Output, if such data is available.
b) Customers with trackers can use the alternate capacity factors of:

Have single axis	21%
Have dual axis	24%

(Continued)

ELECTRIC SCHEDULE B-20 Sheet 17
SERVICE TO CUSTOMERS WITH MAXIMUM
DEMANDS of 1000 KILOWATTS or MORE

16. Option R

The Option R rate is available to qualifying customers with PV systems that provide 15% or more of their annual electricity usage[1] as described below. No Benefitting* or Aggregated* account is eligible for Option R unless there is PV interconnected at that account that independently meets the requirements of Option R. i.e., the PV interconnected on that account meets 15% of the load at that account.

Customers:
a) Installing a new PV system with no existing generation or with existing non-PV generation; or
b) With existing PV and non-PV generation (as an existing NEMMT)

Must meet the following eligibility requirement:

$$\frac{\text{Annual PV system output}^2}{\text{Annual electricity usage}^1} \geq 15\ \%$$

Customers:
a) With an existing PV system, that are installing new PV system
b) Adding new solar to existing PV and Non-PV generation

Must meet the following eligibility requirement:

$$\frac{\text{Annual PV system (new + existing) output}^2}{\text{Annual PV system (new + existing) output}^2 + \text{Annual electricity usage}^1} \geq 15\ \%$$

* Benefiting and Aggregated accounts are defined in rate schedules that allows for such accounts for example, NEM2, RES-BCT and other tariffs.

1 Annual electricity usage (kWh): for customers with no generation will be the most recent usage over twelve billing periods, and for customers with existing generation it will be the net of imports and exports (if any, for all generators), measured at the PG&E meter over the most recent 12 billing periods. In cases where the most recent 12-month usage is not available PG&E will offer an alternate method.

2 Annual PV system Output (kWh) = CEC_{AC} rating of the panels (kW) x 8760 hours/year x 18% capacity factor where:

$$CEC_{AC}\text{ Rating of the panels (kW)} = \frac{\text{(Quantity of PV Modules (W) x PTC Rating of PV Modules x CEC Inverter Efficiency Rating)}}{1000}$$

Where the PTC and CEC inverter Efficiency Rating can be found at:
https://www.energy.ca.gov/programs-and-topics/topics/renewable-energy/solar-equipment-lists (T)
~~The PTC rating can be found here:~~
~~http://www.gosolarcalifornia.ca.gov/equipment/documents/PV_Module_List_Simplified_Data.xlsx~~
~~and the CEC inverter efficiency rating here:~~
~~http://www.gosolarcalifornia.ca.gov/equipment/documents/Inverter_List_Simplified_Data.xlsx~~ (T)
The above Annual PV System Output formula can be modified based on the following alternatives:

a) For customers with existing PV system, the customer may choose to supply PG&E with reliable metered data measuring Annual PV system Output, if such data is available.
b) Customers with trackers can use the alternate capacity factors of:

Have single axis	21%
Have dual axis	24%

(Continued)

ELECTRIC SCHEDULE B-20 Sheet 20
SERVICE TO CUSTOMERS WITH MAXIMUM
DEMANDS of 1000 KILOWATTS or MORE

18. OPTION S

The Option S rate for storage is available to qualifying customers taking Bundled, DA or CCA service under Schedule B-~~19~~ 20~~or voluntary B-19~~. Eligible customers must have storage systems with rated capacity in watts which is at least 10% of the customer's peak demand over the previous 12 months. Customers do not need to participate in the Self Generation Incentive Program to participate in this program. (T)

The cap for Option S enrollment will be considered reached when the MW value hits 50 MW per rate schedule, separately for B-19V, B-19 and B-20.

For purposes of determining eligibility for Option S, the usage of the customer over the previous 12 months will be determined by the max demand. Storage rated capacity will be determined by PTO agreement.

When a customer first moves to a location with installed storage, the minimum 30 days of usage history required to evaluate whether the battery capacity is at least 10% of the customer's peak demand will not yet be available. Thus, qualifying customers starting a ~~B-19~~ B-20 Service Agreement at a new location will not be on Option S on day 1 of their new SA activation. (T)

The rated capacity (W) for energy storage technologies is calculated as follows:

- DC/AC systems: The nominal voltage multiplied by the amp-hour capacity multiplied by the applicable efficiency divided by the duration of discharge ((VDC x Amp-Hours x (1 kW/1000W) x Applicable Efficiency) / Duration of Discharge).
  - The following specifications must be provided to calculate rated capacity:
    - Duration of discharge (hours)
    - DC dischargeable amp-hour capacity, associated with the duration of discharge specified, including all losses and ancillary loads (such as power conditioning and thermal management)
    - Nominal voltage (VDC)
    - Applicable efficiency (if necessary), which accounts for conversion, transformation, or other efficiency losses (e.g. Inverter CEC weighted efficiency, DC-DC converter efficiency, etc.) systems, this is rated in DC, and for AC systems, this is rated in AC.
    - The continuous maximum power output capability of the system. For DC systems, this is rated in DC, and for AC systems, this is rated in AC.

The following are not eligible for Option S:

- 100% Standby customers
- SAs enrolled in Option R are not eligible for Option S and vice versa
- SAs on Virtual NEM, NEM Aggregation, NEMBIO, NEMFC, RES-BCT
- Customers with EMR meters

Note: PG&E expects to be able to allow customers to take service on Schedule E-BIP with Option S by March 31, 2020.

PG&E will provide on PGE.com monthly reporting of the Option S enrollment MWs broken out by rate schedules as well as for eligible interconnected projects that could sign up for Option S, broken up by eligible rates.

(Continued)

ELECTRIC SCHEDULE D-CARE Sheet 1
LINE-ITEM DISCOUNT FOR CALIFORNIA ALTERNATE RATES FOR ENERGY (CARE) CUSTOMERS

APPLICABILITY: This schedule is applicable to single-phase and polyphase residential service in single-family dwellings and in flats and apartments separately metered by PG&E and domestic submetered tenants residing in multifamily accommodations, mobilehome parks and to qualifying recreational vehicle parks and marinas and to farm service on the premises operated by the person whose residence is supplied through the same meter, where the applicant qualifies for California Alternate Rates for Energy (CARE) under the eligibility and certification criteria set forth in Electric Rule 19.1. CARE service is available on Schedules E-1, E-6, E-TOU, ~~E-TOU-C3~~E-TOU-C, E-TOU-D, EV2, EM, ES, ESR, ET and EM-TOU. (T)

TERRITORY: This rate schedule applies everywhere PG&E provides electric service.

RATES: Customers taking service on this rate schedule will receive a percentage discount ("A" below) on their total bundled charges on their otherwise applicable rate schedule (except for the California Climate Credit, which will not be discounted). In addition, customers will receive a percentage discount ("B" below) on the delivery minimum bill amount, if applicable. The CARE discount will be calculated for direct access and community choice aggregation customers based on the total charges as if they were subject to bundled service rates. Discounts will be applied as a residual reduction to distribution charges, after D-CARE customers are exempted from the DWR bond charge and the CARE surcharge portion of the public purpose program charge used to fund the CARE discount. These conditions also apply to master-metered customers and to qualified sub-metered tenants where the master-meter customer is jointly served under PG&E's Rate Schedule D-CARE and either Schedule EM, ES, ESR, ET, or EM-TOU.

For master-metered customers where one or more of the submetered tenants qualifies for CARE rates under the eligibility and certification criteria set forth in Rule 19.1, 19.2, or 19.3, the CARE discount is equal to a percentage ("C" below) of the total bundled charges, multiplied by the number of CARE units divided by the total number of units. In addition, master-metered customers eligible for D-CARE will receive a percentage discount ("D" below) on the delivery minimum bill amount, if applicable.

It is the responsibility of the master-metered customer to advise PG&E within 15 days following any change in the number of dwelling units and/or any decrease in the number of qualifying CARE applicants that results when such applicants move out of their submetered or non-submetered dwelling unit, or submetered permanent-residence RV or permanent-residence boat.

A.	D-CARE Discount:	34.862 % (Percent)
B.	Delivery Minimum Bill Discount:	50.000 % (Percent)
C.	Master-Meter D-CARE Discount:	34.862 % (Percent)
D.	Master-Meter Delivery Minimum Bill Discount:	50.000 % (Percent)

SPECIAL CONDITIONS: 1. OTHERWISE APPLICABLE SCHEDULE: The Special Conditions of the Customer's otherwise applicable rate schedule will apply to this schedule.

(Continued)

ELECTRIC SCHEDULE E-19 Sheet 20
MEDIUM GENERAL DEMAND-METERED TOU SERVICE

18. PEAK DAY PRICING DETAILS: (cont.)

c. Bill Stabilization: PDP customers will be offered bill stabilization for the initial twelve (12) months unless they opt-out during their initial 45-day period. Bill stabilization ensures that during the initial 12 months under PDP, the customer will not pay more than it would have had it opted-out to the applicable TOU rate.

If a customer terminates its participation on the PDP rate prior to the initial 12 month period expiring, the customer will receive bill stabilization up to the date when the customer terminates its participation. Bill stabilization benefits will be computed on a cumulative basis, based on the earlier of 1) when a customer terminates its participation on the PDP rate or 2) at the end of the initial 12-month period. Any applicable credits will be applied to the customer's account on a subsequent regular bill. Bill stabilization is only available one time per customer. If a customer un-enrolls or terminates its participation on a PDP rate, bill stabilization will not be offered again.

d. Notification Equipment: Customers, at their expense, must have access to the Internet and an e-mail address or a phone number to receive notification of a PDP event. In addition, all customers can have, at their expense, an alphanumeric pager or cellular telephone that is capable of receiving a text message sent via the Internet, and/or a facsimile machine to receive notification messages.

If a PDP event occurs, customers will be notified using one or more of the above-mentioned systems. Receipt of such notice is the responsibility of the participating customer. PG&E will make reasonable efforts to notify customers, however it is the customer's responsibility to maintain accurate notification contact information, receive such notice and to check the PG&E website to see if an event is activated. PG&E does not guarantee the reliability of the phone, text messaging, e-mail system or Internet site by which the customer receives notification.

PG&E may conduct notification test events once a month to ensure a customer's contact information is up-to-date. These are not actual PDP events and no load reduction is required.

e. Demand Response Operations Website: Customers can go to www.pge.com/peakdaypricing to view the forecast and history of Peak Day Pricing event days. Customers may manage the means by which they are notified by PG&E for Peak Day Pricing events by contacting PG&E. ~~Customers with demands of 200 kW or greater for three consecutive months can use PG&E's demand response operations website located at https://inter-act.pge.com for load curtailment event notifications and communications.~~ (T)

The customer's actual energy usage is available ~~at PG&E's demand response operations website or~~ on "~~My~~Your Account". This data may not match billing quality data, and the customer understands and agrees that the data posted to PG&E's ~~demand response operations website or on~~ "~~My~~ Your Account" may be different from the actual bill. (T) (T)

f. Program Operations: A maximum of fifteen (15) PDP events and a minimum of nine (9) PDP events may be called in any calendar year. PG&E will notify customers by 2:00 p.m. on a day-ahead basis when a PDP event will occur the next day. The PDP program will operate year-round and PDP events may be called for any day of the week. PDP events will be called from 2:00 p.m. to 6:00 p.m.

g. Event Cancellation: PG&E may initiate the cancellation of a PDP event before 4:00 p.m. the day-ahead of a noticed PDP event. If PG&E cancels an event, it will count the cancelled event toward the PDP limits.

(Continued)

ELECTRIC SCHEDULE E-19 Sheet 22
MEDIUM GENERAL DEMAND-METERED TOU SERVICE

19. Option R The Option R rate is available to qualifying customers with PV systems that provide 15% or more of their annual electricity usage[1] as described below. No Benefitting* or Aggregated* account is eligible for Option R unless there is PV interconnected at that account that independently meets the requirements of Option R. i.e., the PV interconnected on that account meets 15% of the load at that account.

Customers:
a) Installing a new PV system with no existing generation or with existing non-PV generation; or
b) With existing PV and non-PV generation (as an existing NEMMT)

Must meet the following eligibility requirement:

$$\frac{\text{Annual PV system output}_2}{\text{Annual electricity usage}_1} \geq 15\ \%$$

Customers:
a) With an existing PV system, that are installing new PV system
b) Adding new solar to existing PV and Non-PV generation

Must meet the following eligibility requirement:

$$\frac{\text{Annual PV system (new + existing) output}_2}{\text{Annual PV system (new + existing) output}_2 + \text{Annual electricity usage}_1} \geq 15\ \%$$

* Benefiting and Aggregated accounts are defined in rate schedules that allows for such accounts for example, NEM2, RES-BCT and other tariffs.

[1] Annual electricity usage (kWh): for customers with no generation will be the most recent usage over twelve billing periods, and for customers with existing generation it will be the net of imports and exports (if any, for all generators), measured at the PG&E meter over the most recent 12 billing periods. In cases where the most recent 12-month usage is not available PG&E will offer an alternate method.

[2] Annual PV system Output (kWh) = CEC_{AC} rating of the panels (kW) * 8760 hours/year * 18% capacity factor where:

CEC_{AC} Rating of the panels (kW) =

$$\frac{\text{(Quantity of PV Modules (W) x PTC Rating of PV Modules x CEC Inverter Efficiency Rating)}}{1000}$$

Where the PTC and CEC inverter Efficiency Rating can be found at:
https://www.energy.ca.gov/programs-and-topics/topics/renewable-energy/solar-equipment-lists~~The PTC rating can be found here: http://www.gosolarcalifornia.ca.gov/equipment/documents/PV_Module_List_Simplified_Data.xlsx and the CEC inverter efficiency rating here: http://www.gosolarcalifornia.ca.gov/equipment/documents/Inverter_List_Simplified_Data.xlsx~~ (T)

The above Annual PV System Output formula can be modified based on the following alternatives:
a) For customers with existing PV system, the customer may choose to supply PG&E with reliable metered data measuring Annual PV system Output, if such data is available.
b) Customers with trackers can use the alternate capacity factors of:

Have single axis	21%
Have dual axis	24%

(Continued)

ELECTRIC SCHEDULE E-20 Sheet 14
SERVICE TO CUSTOMERS WITH MAXIMUM
DEMANDS of 1000 KILOWATTS or MORE

16. PEAK DAY PRICING DETAILS (continued):

d. Bill Stabilization: PDP customers will be offered bill stabilization for the initial twelve (12) months unless they opt-out during their initial 45-day period. Bill stabilization ensures that during the initial 12 months under PDP, the customer will not pay more than it would have had it opted-out to the applicable TOU rate.

If a customer terminates its participation on the PDP rate prior to the initial 12

month period expiring, the customer will receive bill stabilization up to the date when the customer terminates its participation. Bill stabilization benefits will be computed on a cumulative basis, based on the earlier of 1) when a customer terminates its participation on the PDP rate or 2) at the end of the initial 12-month period. Any applicable credits will be applied to the customer's account on a subsequent regular bill. Bill stabilization is only available one time per customer. If a customer unenrolls or terminates its participation on a PDP rate, bill stabilization will not be offered again.

d. Notification Equipment: Customers, at their expense, must have access to the Internet and an e-mail address or a phone number to receive notification of a PDP event. In addition, all customers can have, at their expense, an alphanumeric pager or cellular telephone that is capable of receiving a text message sent via the Internet, and/or a facsimile machine to receive notification messages.

If a PDP event occurs, customers will be notified using one or more of the above-mentioned systems. Receipt of such notice is the responsibility of the participating customer. PG&E will make reasonable efforts to notify customers; however it is the customer's responsibility to maintain accurate notification contact information, receive such notice and to check the PG&E website to see if an event is activated. PG&E does not guarantee the reliability of the phone, text messaging, e-mail system or Internet site by which the customer receives notification.

PG&E may conduct notification test events once a month to ensure a customer's contact information is up to date. These are not actual PDP events and no load reduction is required.

e. Demand Response Operations Website: Customers can go to www.pge.com/peakdaypricing to view the forecast and history of Peak Day Pricing event days. Customers may manage the means by which they are notified by PG&E for Peak Day Pricing events by contacting PG&E. ~~Customers can use PG&E's demand response operations website located at https://inter-act.pge.com for load curtailment event notifications and communications.~~ (T)

The customer's actual energy usage is available ~~at PG&E's demand response operations website~~ on "Your Account". This data may not match billing quality data, and the customer understands and agrees that the data posted to PG&E's ~~demand response operations website~~ "Your Account" may be different from the actual bill. (T)

f. Program Operations: A maximum of fifteen (15) PDP events and a minimum of nine (9) PDP events may be called in any calendar year. PG&E will notify customers by 2:00 p.m. on a day-ahead basis when a PDP event will occur the next day. The PDP program will operate year-round and PDP events may be called for any day of the week. PDP events will be called from 2:00 p.m. to 6:00 p.m.

g. Event Cancellation: PG&E may initiate the cancellation of a PDP event before 4:00 p.m. the day-ahead of a noticed PDP event. If PG&E cancels an event, it will count the cancelled event toward the PDP limits.

(Continued)

ELECTRIC SCHEDULE E-20 Sheet 16
SERVICE TO CUSTOMERS WITH MAXIMUM
DEMANDS of 1000 KILOWATTS or MORE

17. Option R

The Option R rate is available to qualifying customers with PV systems that provide 15% or more of their annual electricity usage[1] as described below. No Benefitting* or Aggregated* account is eligible for Option R unless there is PV interconnected at that account that independently meets the requirements of Option R. i.e., the PV interconnected on that account meets 15% of the load at that account.

Customers:

a) Installing a new PV system with no existing generation or with existing non-PV generation; or
b) With existing PV and non-PV generation (as an existing NEMMT)

Must meet the following eligibility requirement:

$$\frac{\text{Annual PV system output}_2}{\text{Annual electricity usage}_1} \geq 15\ \%$$

Customers:

a) With an existing PV system, that are installing new PV system
b) Adding new solar to existing PV and Non-PV generation

Must meet the following eligibility requirement:

$$\frac{\text{Annual PV system (new + existing) output}_2}{\text{Annual PV system (new + existing) output}_2 + \text{Annual electricity usage}_1} \geq 15\ \%$$

* Benefiting and Aggregated accounts are defined in rate schedules that allows for such accounts for example, NEM2, RES-BCT and other tariffs.

[1] Annual electricity usage (kWh): for customers with no generation will be the most recent usage over twelve billing periods, and for customers with existing generation it will be the net of imports and exports (if any, for all generators), measured at the PG&E meter over the most recent 12 billing periods. In cases where the most recent 12-month usage is not available PG&E will offer an alternate method.

[2] Annual PV system Output (kWh) = CEC_{AC} rating of the panels (kW) * 8760 hours/year * 18% capacity factor where:

CEC_{AC} Rating of the panels (kW) =

$$\frac{\text{(Quantity of PV Modules (W) x PTC Rating of PV Modules x CEC Inverter Efficiency Rating)}}{1000}$$

Where the PTC and CEC inverter Efficiency Rating can be found at:
https://www.energy.ca.gov/programs-and-topics/topics/renewable-energy/solar-equipment-lists ~~The PTC rating can be found here:~~
~~http://www.gosolarcalifornia.ca.gov/equipment/documents/PV_Module_List_Simplified_Data.xlsx~~
~~and the CEC inverter efficiency rating here:~~
~~http://www.gosolarcalifornia.ca.gov/equipment/documents/Inverter_List_Simplified_Data.xlsx~~ (T)

The above Annual PV System Output formula can be modified based on the following alternatives:

a) For customers with existing PV system, the customer may choose to supply PG&E with reliable metered data measuring Annual PV system Output, if such data is available.
b) Customers with trackers can use the alternate capacity factors of:

Have single axis	21%
Have dual axis	24%

(Continued)

ELECTRIC SCHEDULE E-6 Sheet 4
RESIDENTIAL TIME-OF-USE SERVICE

SPECIAL CONDITIONS:

1. BASELINE RATES: PG&E may require the customer to file with it a Declaration of Eligibility for Baseline Quantities for Residential Rates.

2. BASELINE (TIER 1) QUANTITIES: The following quantities of electricity are to be billed at the rates for baseline use (also see Rule 19 for additional allowances for medical needs):

BASELINE QUANTITIES (kWh PER DAY)

Baseline Territory*	Code B - Basic Quantities Summer Tier I	Code B - Basic Quantities Winter Tier I	Code H - All-Electric Quantities Summer Tier I	Code H - All-Electric Quantities Winter Tier I
P	13.0	12.5	15.2	29.2
Q	9.9	12.5	8.7	29.2
R	16.5	11.1	19.2	29.4
S	14.3	11.1	17.3	26.3
T	6.8	8.4	7.7	14.4
V	7.6	9.2	11.2	18.5
W	17.8	10.1	21.1	19.9
X	9.9	10.7	8.8	16.2
Y	10.7	12.7	12.6	26.8
Z	6.1	8.9	7.0	18.0

3. TIME PERIODS: Times of the year and times of the day are defined as follows:

Summer (service from May 1 through October 31):

Peak:	1:00 p.m. to 7:00 p.m.	Monday through Friday
Partial-Peak:	10:00 a.m. to 1:00 p.m. AND 7:00 p.m. to 9:00 p.m. Plus 5:00 p.m. to 8:00 p.m.	Monday through Friday Saturday and Sunday
Off-Peak:	All other times including Holidays.	

Winter (service from November 1 through April 30):

Partial-Peak:	5:00 p.m. to 8:00 p.m.	Monday through Friday
Off-Peak:	All other times including Holidays.	

Holidays: "Holidays" for the purposes of this rate schedule are New Year's Day, President's Day, Memorial Day, Independence Day, Labor Day, Veterans Day, Thanksgiving Day, and Christmas Day. The dates will be those on which the holidays are legally observed.

DAYLIGHT SAVING TIME ADJUSTMENT: The time periods shown above for 2020 and below for 2021 and 2022 will begin and end one hour later for the period between the second Sunday in March and the first Sunday in April, and for the period between the last Sunday in October and the first Sunday in November. (T) (T)

* The applicable baseline territory is described in Part A of the Preliminary Statement.

(Continued)

ELECTRIC SCHEDULE E-AMDS Sheet 1
EXPERIMENTAL ACCESS TO METER DATA SERVICES

APPLICABILITY: A customer connected to PG&E's SmartMeter™ system will have the following services available as provided under this schedule. This is an experimental Schedule and shall remain in effect until December 31, 2009 or until cancelled by the CPUC.

TERRITORY: This schedule is available to customers in PG&E's electric service territory.

RATES: If the customer selects any of the services, charges will apply as stated in this schedule.

BASIC SERVICES .....No Charge

The following basic services are available through "~~My~~ Your Account" at pge.com. (T)

Hourly intervals of energy usage by day (kWh)	For residential accounts only Posted daily	A minimum of 2 months data
15 – Minute intervals of energy usage by day (kWh)	For non-residential accounts only Posted daily	Same as above
Historical hourly intervals of energy usage (kWh)	For residential accounts only	Same as above
Historical 15 – Minute intervals of energy usage (kWh)	For non-residential accounts only	Same as above
Daily energy usage by billing cycle or month	For all accounts	Same as above
Daily energy usage by week	For all accounts	Same as above
Historical energy usage by billing cycle or month	For all accounts	Same as above
View and print data in graph form	For all accounts	Same as above
Download data to tabular format	For all accounts	Same as above

SPECIAL CONDITIONS:

1. This experimental schedule is being offered while the presentment of customer data continues to be under development. A minimum of 2 months data retrieved from the SmartMeter™ system would be available. The customer can view, print, and download yesterday's usage to 24 months of past electric usage retrieved from the SmartMeter™ system.

2. Data shown in "~~My~~ Your Account" is not yet synchronized with the billing usage used in the customer's monthly bill. The monthly bill will contain the most updated and accurate usage information at the time the bill is created. (T)

ELECTRIC SCHEDULE E-CREDIT Sheet 1
REVENUE CYCLE SERVICES CREDITS

APPLICABILITY: This schedule applies to Customers that receive certain services from electric service provider (ESP). Customers for whom PG&E provides consolidated billing or dual billing will receive checks quarterly from PG&E equal to the sum of the credits, beginning in January 1999. For customers whose ESP provides consolidated billing, PG&E will send to the ESP a check equal to the sum of the credits monthly. No later than January 1, 2000, PG&E will apply the credits directly to customer bills.

TERRITORY: The entire PG&E service territory.

CREDITS: 1. METER OWNERSHIP CREDITS

If an ESP owns a Direct Access Customer's meter or a Customer owns its own meter, one of the following credits will apply, respective of the PG&E rate schedule on which the Customer is served.

Rate Schedule	Per Meter Per Day	
All Residential Schedules except as provided below	$0.04186	
ET~~/ETL~~	$0.04186	(T)
A-1, B-1 Singlephase	$0.07473	|
A-1, B-1 Polyphase	$0.24798	|
A-6, B-6 Singlephase	$0.07473	|
A-6, B-6 Polyphase	$0.24798	(T)
A-15	$0.07473	
TC-1	$0.08645	
A-10S, B-10S	$0.41887	(T)
A-10P, B-10P	$3.06679	|
A-10T, B-10T	$3.06679	|
E-19S, B-19S	$0.82429	|
E-19SV, B-19SV	$0.41887	|
E-19P, B-19P	$3.37887	|
E-19PV, B-19PV	$3.06679	|
E-19T, B-19T	$3.37887	|
E-19TV, B-19TV	$3.06679	|
E-20S, B-20S	$0.62827	|
E-20P, B-20P	$3.37887	|
E-20T, B-20T	$3.37887	(T)

(Continued)

ELECTRIC SCHEDULE E-CREDIT Sheet 2
REVENUE CYCLE SERVICES CREDITS

CREDITS: (Cont'd.)

1. METER OWNERSHIP CREDITS (Cont'd.)

Rate Schedule	Per Meter Per Day	
AG-1A, AG-RA/AG-RD, AG-VA/AG-VD, AG-4A/AG-4D, AG-A1, AG-FA	$0.06051	(T)
AG-5A/AG-5D, AG-A2	$0.06051	↓
AG-1B, AG-RB/AG-RE, AG-VB/AG-VE, AG-4B/AG-4E, AG-4C/AG-4F, AG-B, AG-FB	$0.20510	↓
AG-5B/AG-5E, AG-5C/AG-5F, AG-C, AG-FC	$0.20510	(T)
LS-1	$0.00000	
LS-2	$0.00000	
LS-3	$0.00421	
OL-1	$0.00000	
BEV-1	$0.07473	(N)
BEV-2S	$0.28429	↓
BEV-2P	$3.37887	(N)

(Continued)

ELECTRIC SCHEDULE E-CREDIT Sheet 3
REVENUE CYCLE SERVICES CREDITS

CREDITS: (Cont'd.)

1. METER OWNERSHIP CREDITS (Cont'd.)

Rate Schedule	Per Meter Per Day	
Section Schedules S, SB		(T)
S, SB Residential	$0.04186	
S, SB Agricultural	$0.20510	
S, SB Small Light and Power Singlephase (≤ 75 kW)	$0.07473	
S, SB Small Light and Power Polyphase (≤ 75 kW)	$0.24798	
S, SB Medium Light and Power (> 75 kW to < 500 kW)	$0.41887	
S, SB Medium Light and Power S (≥ 500 kW to < 1000 kW)	$0.82429	
S, SB Medium Light and Power P (≥ 500 kW to < 1000 kW)	$3.37887	
S, SB Medium Light and Power T (≥ 500 kW to < 1000 kW)	$3.37887	
S, SB Large Light and Power S (≥ 1000 kW)	$0.62827	
S, SB Large Light and Power P (≥ 1000 kW)	$3.37887	
S, SB Large Light and Power T (≥ 1000 kW)	$3.37887	(T)

Note: Standby rate schedules receive credit for otherwise applicable rate schedule. Size threshold stated per kW of reservation capacity.

(Continued)

ELECTRIC SCHEDULE E-CREDIT Sheet 4
REVENUE CYCLE SERVICES CREDITS

CREDITS: (Cont'd.)

2. METER SERVICES CREDITS

If an ESP provides meter services one of the following credits will apply, respective of the PG&E rate schedule on which the Customer is served.

Rate Schedule	Per Meter Per Day	
All Residential Schedules except as provided below	$0.03199	
ET~~/ETL~~	$0.03199	(T)
A-1, B-1 Singlephase	$0.05296	
A-1, B-1 Polyphase	$0.06919	
A-6, B-6 Singlephase	$0.05296	
A-6, B-6 Polyphase	$0.06919	(T)
A-15	$0.05296	
TC-1	$0.05303	
A-10S, B-10S	$0.19193	(T)
A-10P, B-10P	$1.24395	
A-10T, B-10T	$1.24395	
E-19S, B-19S	$1.19341	
E-19SV, B-19SV	$0.19193	
E-19P, B-19P	$1.91776	
E-19PV, B-19PV	$1.24395	
E-19T, B-19T	$2.50965	
E-19TV, B-19TV	$1.24395	
E-20S, B-20S	$1.82193	
E-20P, B-20P	$2.40330	
E-20T, B-20T	$2.50965	(T)

(Continued)

ELECTRIC SCHEDULE E-CREDIT Sheet 5
REVENUE CYCLE SERVICES CREDITS

CREDITS: (Cont'd.)

2. METER SERVICES CREDITS (Cont'd.)

Rate Schedule	Per Meter Per Day	
AG-1A, AG-RA/AG-RD, AG-VA/AG-VD, AG-4A/AG-4D, AG-A1, AG-FA	$0.15950	(T)
AG-5A/AG-5D, AG-A2	$0.15950	↓
AG-1B, AG-RB/AG-RE, AG-VB/AG-VE, AG-4B/AG-4E, AG-4C/AG-4F, AG-B, AG-FB	$0.32998	↓
AG-5B/AG-5E, AG-5C/AG-5F, AG-C, AG-FC	$0.42951	(T)
LS-1	$0.00000	
LS-2	$0.00000	
LS-3	$0.01026	
OL-1	$0.00000	
BEV-1	$0.05296	(N)
BEV-2S	$1.19341	↓
BEV-2P	$1.91776	(N)

(Continued)

ELECTRIC SCHEDULE E-CREDIT Sheet 6
REVENUE CYCLE SERVICES CREDITS

CREDITS: (Cont'd.)

2. METER SERVICES CREDITS (Cont'd.)

Rate Schedule	Per Meter Per Day	
Section Schedule S, SB		(T)
S, SB Residential	$0.03199	
S, SB Agricultural	$0.32998	
S, SB Small Light and Power Singlephase (≤ 75 kW)	$0.05296	
S, SB Small Light and Power Polyphase (≤ 75 kW)	$0.06919	
S, SB Medium Light and Power (> 75 kW to < 500 kW)	$0.19193	
S, SB Medium Light and Power S (≥ 500 kW to < 1000 kW)	$1.19341	
S, SB Medium Light and Power P (≥ 500 kW to < 1000 kW)	$1.91776	
S, SB Medium Light and Power T (≥ 500 kW to < 1000 kW)	$2.50965	
S, SB Large Light and Power S (≥ 1000 kW)	$1.82193	
S, SB Large Light and Power P (≥ 1000 kW)	$2.40330	
S, SB Large Light and Power T (≥ 1000 kW)	$2.50965	(T)

Note: Standby rate schedules receive credit for otherwise applicable rate schedule. Size threshold stated per kW of reservation capacity.

(Continued)

ELECTRIC SCHEDULE E-CREDIT Sheet 7
REVENUE CYCLE SERVICES CREDITS

CREDITS: (Cont'd.)

3. METER READING CREDITS

If an ESP provides meter reading services for its Customer, one of the following credits will apply, respective of the PG&E rate schedule on which the Customer is served, whether or not the Customer takes both gas and electric service from PG&E, and the method the ESP uses to read the meter.

Rate Schedule	Per Meter Per Day			
	Dual Commodity Site, Electric Meter Only	Electric Only Site	MV90-Billed Meters	
All Residential Schedules except as provided below	$0.14	$0.14	$14.95	
ET~~/ETL~~	$0.14	$0.14	$14.95	(T)
A-1, B-1 Singlephase	$0.21	$0.21	$17.44	
A-1, B-1 Polyphase	$0.28	$0.28	$20.80	
A-6, B-6 Singlephase	$0.21	$0.21	$17.44	
A-6, B-6 Polyphase	$0.28	$0.28	$20.80	(T)
A-15	$0.21	$0.21	$17.44	
TC-1	$0.12	$0.12	$14.95	
A-10S, B-10S	$0.54	$0.54	$15.19	(T)
A-10P, B-10P	$3.56	$3.56	$20.27	
A-10T, B-10T	$3.56	$3.56	$20.27	
E-19S, B-19S	$4.37	$4.37	$17.71	
E-19SV, B-19SV	$0.54	$0.54	$15.19	
E-19P, B-19P	$6.12	$6.12	$21.82	
E-19PV, B-19PV	$3.56	$3.56	$20.27	
E-19T, B-19T	$17.12	$17.12	$32.15	
E-19TV, B-19TV	$3.56	$3.56	$20.27	
E-20S, B-20S	$11.88	$11.88	$29.05	
E-20P, B-20P	$6.65	$6.65	$23.77	
E-20T, B-20T	$17.12	$17.12	$32.15	(T)

(Continued)

ELECTRIC SCHEDULE E-CREDIT Sheet 8
REVENUE CYCLE SERVICES CREDITS

RATES: (Cont'd.)

3. METER READING CREDITS (Cont'd.)

Rate Schedule	Per Meter Per Day			
	Dual Commodity Site, Electric Meter Only	Electric Only Site	MV90-Billed Meters	
AG-1A, AG-RA/AG-RD, AG-VA/AG-VD, AG-4A/AG-4D, AG-A1, AG-FA	$0.31	$0.31	$14.70	(T)
AG-5A/AG-5D, AG-A2	$0.31	$0.31	$14.70	
AG-1B, AG-RB/AG-RE, AG-VB/AG-VE, AG-4B/AG-4E, AG-4C/AG-4F, AG-B, AG-FB	$0.62	$0.62	$15.80	
AG-5B/AG-5E, AG-5C/AG-5F, AG-C, AG-FC	$0.69	$0.69	$15.76	(T)
LS-1	$0.00	$0.00	$0.00	
LS-2	$0.00	$0.00	$0.00	
LS-3	$0.12	$0.12	$14.95	
OL-1	$0.00	$0.00	$0.00	
BEV-1	$0.21	$0.21	$17.44	(N)
BEV-2S	$4.37	$4.37	$17.71	|
BEV-2P	$6.12	$6.12	$21.82	(N)

(Continued)

ELECTRIC SCHEDULE E-CREDIT Sheet 9
REVENUE CYCLE SERVICES CREDITS

RATES: (Cont'd.)

3. METER READING CREDITS (Cont'd.)

Rate Schedule	Per Meter Per Day			
	Dual Commodity Site, Electric Meter Only	Electric Only Site	MV90-Billed Meters	
Section Schedules S, SB				(T)
S, SB Residential	$0.14	$0.14	$14.95	
S, SB Agricultural	$0.62	$0.62	$15.80	
S, SB Small L&P Singlephase (≤ 75 kW)	$0.21	$0.21	$17.44	
S, SB Small L&P Polyphase (≤ 75 kW)	$0.28	$0.28	$20.80	
S, SB Med. L&P (> 75 to < 500 kW)	$0.54	$0.54	$15.19	
S, SB Med. L&P S (≥ 500 to < 1000 kW)	$4.37	$4.37	$17.71	
S, SB Med. L&P P (≥ 500 to < 1000 kW)	$6.12	$6.12	$21.82	
S, SB Med. L&P T (≥ 500 to < 1000 kW)	$17.12	$17.12	$32.15	
S, SB Large L&P S (≥ 1000 kW)	$11.88	$11.88	$29.05	
S, SB Large L&P P (≥ 1000 kW)	$6.65	$6.65	$23.77	
S, SB Large L&P T (≥ 1000 kW)	$17.12	$17.12	$32.15	(T)

Note: Standby rate schedules receive credit for otherwise applicable rate schedule. Size threshold stated per kW of reservation capacity.

(Continued)

ELECTRIC SCHEDULE E-CREDIT Sheet 10
REVENUE CYCLE SERVICES CREDITS

CREDITS: (Cont'd.)

4. BILLING CREDITS

If an ESP provides consolidated billing services for its Customer, one of the following credits will apply, respective of the PG&E rate schedule on which the Customer is served, and whether the ESP is providing full or partial consolidated billing services (defined in Rule 22).

Rate Schedule	Per Meter Per Day				
	Partial ESP Consolidated Billing - Dual Commodity	Partial ESP Consolidated Billing - Electric Only	Full ESP Consolidated Billing - Dual Commodity	Full ESP Consolidated Billing - Electric Only Commodity	
All Residential Schedules except as provided below	$1.32	$1.31	$1.32	$1.31	
~~EL-1.....~~	~~$1.32~~	~~$1.31~~	~~$1.32~~	~~$1.31~~	(T)
E-6.....	$1.32	$1.31	$1.32	$1.31	
~~EL-6.....~~	~~$1.32~~	~~$1.31~~	~~$1.32~~	~~$1.31~~	(T)
~~EL-TOUA.....~~	~~$1.32~~	~~$1.31~~	~~$1.32~~	~~$1.31~~	|
~~EL-TOUB.....~~	~~$1.32~~	~~$1.31~~	~~$1.32~~	~~$1.31~~	|
A-1, B-1 Singlephase	$1.27	$1.30	$1.27	$1.30	|
A-1, B-1 Polyphase	$1.61	$1.72	$1.61	$1.72	|
A-6, B-6 Singlephase	$1.27	$1.30	$1.27	$1.30	|
A-6, B-6 Polyphase	$1.61	$1.72	$1.61	$1.72	(T)
A-15.....	$1.27	$1.30	$1.27	$1.30	
TC-1.....	$0.50	$0.93	$0.50	$0.93	
A-10S, B-20S	$2.09	$2.27	$2.09	$2.27	(T)
A-10P, B-20P	$7.63	$7.98	$7.63	$7.98	|
A-10T, B-20T.....	$7.63	$7.98	$7.63	$7.98	|
E-19S, B-19S	$6.90	$7.24	$6.90	$7.24	|
E-19SV, B-19SV..	$2.09	$2.27	$2.09	$2.27	|
E-19P, B-19P	$11.88	$12.25	$11.88	$12.25	|
E-19PV, B-19PV..	$7.63	$7.98	$7.63	$7.98	|
E-19T, B-19T.....	$30.50	$31.03	$30.50	$31.03	|
E-19TV, B-19TV..	$7.63	$7.98	$7.63	$7.98	|
E-20S, B-20S	$15.46	$15.84	$15.46	$15.84	|
E-20P, B-20P	$20.65	$21.12	$20.65	$21.12	|
E-20T, B-20T.....	$30.50	$31.03	$30.50	$31.03	(T)

(Continued)

ELECTRIC SCHEDULE E-CREDIT Sheet 11
REVENUE CYCLE SERVICES CREDITS

CREDITS: (Cont'd.) 4. BILLING CREDITS (Cont'd.)

Rate Schedule	Per Meter Per Day				
	Partial ESP Consolidated Billing - Dual Commodity	Partial ESP Consolidated Billing - Electric Only	Full ESP Consolidated Billing - Dual Commodity	Full ESP Consolidated Billing - Electric Only Commodity	
AG-1A, AG-RA/AG-RD, AG-VA/AG-VD, AG-4A/AG-4D, AG-A1, AG-FA	$0.74	$1.40	$0.74	$1.40	(T)
AG-5A/AG-5D, AG-A2	$0.74	$1.40	$0.74	$1.40	
AG-1B, AG-RB/AG-RE, AG-VB/AG-VE, AG-4B/AG-4E, AG-4C/AG-4F, AG-B, AG-FB	$0.99	$1.50	$0.99	$1.50	
AG-5B/AG-5E, AG-5C/AG-5F, AG-C, AG-FC	$1.53	$1.96	$1.53	$1.96	(T)
LS-1	$0.60	$1.06	$0.60	$1.06	
LS-2	$0.60	$1.06	$0.60	$1.06	
LS-3	$0.60	$1.06	$0.60	$1.06	
OL-1	$1.27	$1.30	$1.27	$1.30	
BEV-1	$1.27	$1.30	$1.27	$1.30	(N)
BEV-2S	$6.90	$7.24	$6.90	$7.24	
BEV-2P	$11.88	$12.25	$11.88	$12.25	(N)

(Continued)

ELECTRIC SCHEDULE E-CREDIT Sheet 12
REVENUE CYCLE SERVICES CREDITS

CREDITS: (Cont'd.) 4. BILLING CREDITS (Cont'd.)

Rate Schedule	Per Meter Per Day				
	Partial ESP Consolidated Billing - Dual Commodity	Partial ESP Consolidated Billing - Electric Only	Full ESP Consolidated Billing - Dual Commodity	Full ESP Consolidated Billing - Electric Only Commodity	
Section Schedules S, SB					
S, SB Residential	$1.32	$1.31	$1.32	$1.31	(T)
S, SB Agricultural	$0.99	$1.50	$0.99	$1.50	
S, SB Small L&P Singlephase (≤ 75 kW)	$1.27	$1.30	$1.27	$1.30	
S, SB Small L&P Polyphase (≤ 75 kW)	$1.61	$1.72	$1.61	$1.72	
S, SB Med. L&P (> 75 to < 500 kW)	$2.09	$2.27	$2.09	$2.27	
S, SB Med. L&P S (≥ 500 to < 1000 kW)	$6.90	$7.24	$6.90	$7.24	
S, SB Med. L&P P (≥ 500 to < 1000 kW)	$11.88	$12.25	$11.88	$12.25	
S, SB Med. L&P T (≥ 500 to < 1000 kW)	$30.50	$31.03	$30.50	$31.03	
S, SB Large L&P S (≥ 1000 kW)	$15.46	$15.84	$15.46	$15.84	
S, SB Large L&P P (≥ 1000 kW)	$20.65	$21.12	$20.65	$21.12	
S, SB Large L&P T (≥ 1000 kW)	$30.50	$31.03	$30.50	$31.03	(T)

Note: Standby rate schedules receive credit for otherwise applicable rate schedule. Size threshold stated per kW of reservation capacity.

(Continued)

ELECTRIC SCHEDULE E-FFS Sheet 2
FRANCHISE FEE SURCHARGE

RATES: (Cont'd)

Customer Class	DA/CCA Franchise Fee Surcharge Rate per kWh			
	Pre-2009 Vintage	2009 Vintage	2010 Vintage	
Residential	$0.00088	$0.00068	$0.00066	
Small L&P	$0.00085	$0.00067	$0.00065	
Medium L&P	$0.00091	$0.00071	$0.00068	
E-19	$0.00084	$0.00065	$0.00063	
Streetlights	$0.00070	$0.00055	$0.00053	
Standby	$0.00065	$0.00051	$0.00049	
Agriculture	$0.00082	$0.00064	$0.00062	
E-20T	$0.00070	$0.00054	$0.00052	
E-20P	$0.00077	$0.00060	$0.00058	
E-20S	$0.00079	$0.00062	$0.00060	
BEV-1	$0.00085	$0.00067	$0.00065	(N)
BEV-2	$0.00084	$0.00065	$0.00063	(N)
	2011 Vintage	2012 Vintage	2013 Vintage	
Residential	$0.00064	$0.00064	$0.00063	
Small L&P	$0.00063	$0.00063	$0.00062	
Medium L&P	$0.00066	$0.00067	$0.00065	
E-19	$0.00062	$0.00062	$0.00060	
Streetlights	$0.00052	$0.00052	$0.00050	
Standby	$0.00048	$0.00048	$0.00047	
Agriculture	$0.00061	$0.00061	$0.00059	
E-20T	$0.00051	$0.00051	$0.00050	
E-20P	$0.00057	$0.00057	$0.00055	
E-20S	$0.00058	$0.00058	$0.00056	
BEV-1	$0.00063	$0.00063	$0.00062	(N)
BEV-2	$0.00062	$0.00062	$0.00060	(N)
	2014 Vintage	2015 Vintage	2016 Vintage	
Residential	$0.00062	$0.00062	$0.00063	
Small L&P	$0.00061	$0.00061	$0.00061	
Medium L&P	$0.00064	$0.00065	$0.00065	
E-19	$0.00060	$0.00060	$0.00060	
Streetlights	$0.00050	$0.00050	$0.00050	
Standby	$0.00047	$0.00047	$0.00047	
Agriculture	$0.00059	$0.00059	$0.00059	
E-20T	$0.00049	$0.00050	$0.00050	
E-20P	$0.00055	$0.00055	$0.00055	
E-20S	$0.00056	$0.00056	$0.00056	
BEV-1	$0.00061	$0.00061	$0.00061	(N)
BEV-2	$0.00060	$0.00060	$0.00060	(N)

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ELECTRIC SCHEDULE E-FFS Sheet 3
FRANCHISE FEE SURCHARGE

RATES: (Cont'd)

Customer Class	DA/CCA Franchise Fee Surcharge Rate per kWh			
	2017 Vintage	2018 Vintage	2019 Vintage	(L)
Residential	$0.00063	$0.00063	$0.00061	|
Small L&P	$0.00061	$0.00061	$0.00060	|
Medium L&P	$0.00065	$0.00065	$0.00063	|
E-19	$0.00060	$0.00060	$0.00058	|
Streetlights	$0.00050	$0.00050	$0.00049	|
Standby	$0.00047	$0.00047	$0.00046	|
Agriculture	$0.00059	$0.00059	$0.00058	|
E-20T	$0.00050	$0.00050	$0.00048	|
E-20P	$0.00055	$0.00055	$0.00054	|
E-20S	$0.00056	$0.00056	$0.00055	(L)
BEV-1	$0.00061	$0.00061	$0.00060	(N)
BEV-2	$0.00060	$0.00060	$0.00058	(N)

Customer Class	DA/CCA Franchise Fee Surcharge Rate per kWh	
	2020 Vintage	
Residential	$0.00056	
Small L&P	$0.00055	
Medium L&P	$0.00058	
E-19	$0.00054	
Streetlights	$0.00045	
Standby	$0.00042	
Agriculture	$0.00053	
E-20T	$0.00044	
E-20P	$0.00049	
E-20S	$0.00050	
BEV-1	$0.00055	(N)
BEV-2	$0.00054	(N)

ELECTRIC SCHEDULE E-SOP Sheet 2
RESIDENTIAL ELECTRIC SMARTMETER(TM) OPT-OUT PROGRAM

4. METERING EQUIPMENT: A non-communicating meter will be used to provide electric service for customers who elect this option. For the great majority of customers, these meters will be analog meters. Some residential electric customers will require special non-communicating solid-state digital meters.

   For example, these special meters include meters to support electric time-of-use service under Schedules EM-TOU, ~~EML-TOU,~~ E-6, ~~EL-6,~~ E-TOU~~, EL-TOU,~~ and EV. Customers who choose to participate in this Opt Out Program and elect service under a time-of-use rate schedule for which they are eligible will be served using a non-communicating solid state digital time-of-use meter. (T)

5. BILLING: Customers will be billed for charges applicable under the customer's Otherwise Applicable Rate Schedule (OAS), plus the initial amount and the monthly charge described herein. The initial amount and monthly charge will appear on the electric service agreements of both customers that take electric-only service from PG&E and customers that take gas and electric service from PG&E. Opt-Out Program customers will be charged the initial and monthly charges described above once the replacement meter(s) is installed, and they will be required to pay the initial amount within 90 days. Charges will continue for 36 months as noted in Section 3 above. All such charges will be subject to the terms and conditions for rendering and payment of bills under Electric Rules 8 and 9.

   Pursuant to Decision 12-02-014, a customer must affirmatively elect to opt-out of the SmartMeter™ Program, and shall default to SmartMeter™-based utility service absent such an election. If PG&E makes a field visit to a customer's residence for purposes of installing a SmartMeter™ and the customer does not provide reasonable access to PG&E to install a SmartMeter™ after being provided notice of eligibility for service under this Opt-Out Program and not electing to opt-out, the customer shall be deemed to have elected service under this Opt-Out Program.

ELECTRIC SCHEDULE NEM Sheet 3
NET ENERGY METERING SERVICE

APPLICABILITY: (Cont'd.)

C. Modifications: (Cont'd.) NEM Transition Eligible Customers, NEMV Transition Eligible Customers or NEMVMASH Transition Eligible Customers making modifications that increase the Renewable Electrical Generation Facility's size by more than the above amounts may either choose to (i) meter the additions separately under the successor tariff or (ii) elect for the whole system to take service under the successor tariff.

D. Change Party: Renewable Electrical Generation Facilities for NEM Transition Eligible Customers, NEMV Transition Eligible Customers or NEMVMASH Transition Eligible Customers shall not lose eligibility if transferred to a new owner, operator, or PG&E account at the original location, except if the Transition Option is selected.

E. Storage: Integrated storage or directly connected storage as defined Special Condition 11 shall be treated in the same way, and be subject to the same transition period, as the underlying REGF to which they are connected.

F. Natural or Man-Made Disasters[1]: NEM Transition Eligible Customers whose eligible generator needs to be replaced due to a natural or man-made disaster will maintain their NEM Grandfathering status as laid out in this section and Special Condition 10.

Customers seeking generator interconnections in portions of San Francisco and Oakland where PG&E has a network grid must contact PG&E about generation export limitations.

A Renewable Electrical Generation Facility means a generating facility that generates electricity by using:

a) biomass,
b) solar thermal,
c) photovoltaic,
d) wind,
e) geothermal,
f) fuel cells using renewable fuels,
g) small hydroelectric generation (but a small hydroelectric generation facility is not an eligible Renewable Electrical Generation Facility if it will cause an adverse impact on instream beneficial uses or cause a change in the volume or timing of streamflow),
h) digester gas,
i) municipal solid waste conversion,
j) landfill gas,
k) ocean wave,
l) ocean thermal, or
m) tidal current,

and any additions or enhancements to the facility using that technology pursuant to paragraph (1) of subdivision (a) of Section 25741 of the Public Resources Code. These renewable sources are defined in the latest version of the California Energy Commission's (CEC's) Renewables Portfolio Standard (RPS) Eligibility Guidebook and the Overall Program Guidebook.[2]

[1] Natural or man-made disasters includes such events as a fire, earthquake, flood, or severe storms.
[2] The RPS Guidebooks can be found at: ~~http://www.energy.ca.gov/renewables/documents/index.html#rps~~https://www.energy.ca.gov/programs-and-topics/programs/renewables-portfolio-standard (T) (T)

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ELECTRIC SCHEDULE NEM Sheet 12
NET ENERGY METERING SERVICE

SPECIAL CONDITIONS: (Cont'd.)

3. INTERCONNECTION: Prior to receiving approval for Parallel Operation, the customer-generator must submit a completed PG&E application form and interconnection agreement as follows:

Rate Option	Application	Interconnection Agreement
NEMS	For Solar and/or Wind Electric Generating Facilities of 30 Kilowatts or Less:	
	Application - Net Energy Metering Interconnection for Solar and/or Wind Electric Generating Facilities of 30 Kilowatts or Less (Form **79-1151B**)[43]	*Agreement and Customer Authorization – Net Energy Metering Interconnection for Solar and/or Wind Electric Generating Facilities of 30 Kilowatts or Less* (Form **79-1151A**)[43] (T) (T)
NEMEXP	For Solar and/or Wind Net Energy Metering Generating Facilities of 1,000 Kilowatts or Less, other than Facilities of 30 Kilowatts or Less:	
	Online Rule 21 Generator Interconnection Application, (Form **79-1174**)	*Interconnection Agreement for Net Energy Metering of Solar or Wind Electric Generating Facilities of 1,000 Kilowatts or Less, other than Facilities of 30 Kilowatts or Less* (Form **79-978**)
	For Renewable Electrical Generating Facilities other than Solar and/or Wind Electric Generating Facilities of 1,000 Kilowatts or Less:	
	(same as for Solar and/or Wind NEMEXP)	*Interconnection Agreement for Net Energy Metering For A Renewable Electrical Generation Facility Of 1,000 Kilowatts Or Less* (Form **79-1137**)
NEMEXPM	For all other commercial, industrial customer-generators, and agricultural customers billed monthly under Special Condition 2 with (i) Solar and/or Wind Generating Facilities of 1,000 Kilowatts or Less, other than Facilities of 30 Kilowatts or Less, (ii) or any other Renewable Electrical Generation Facility of 1,000 Kilowatts or Less:	
	(same as for NEMEXP)	*(same as for NEMEXP)*
NEMMT	For customer-generators taking service as a Multiple Tariff Facility under Special Condition 4 of this tariff:	
	Online Rule 21 Generator Interconnection Application (Form **79-1174**)	*Generating Facility Interconnection Agreement (Multiple Tariff)* (Form **79-1069**)
NEM Inspection Report	To accompany a new interconnection agreement, as required under Special Condition 6 of this tariff:	*NEM/NEMVMASH Inspection Report* – (Form **79-1125**)
NEMCDCR	See Special Condition 8	
NEMUSAF	See Special Condition 9	

[43] Both the Agreement and Customer Authorization (79-1151A) and Application (79-1151B) forms must have been submitted before PG&E will issue the Permission to Operation (PTO) letter. Information in the Application can be submitted by the Company or Customer in an electronic format, subject to approval by PG&E. (T)

(Continued)

ELECTRIC SCHEDULE NEM Sheet 19
NET ENERGY METERING SERVICE

SPECIAL CONDITIONS: (Cont'd.)

5. Net Surplus Electricity Compensation (NSC) (Cont'd):

(b) The **NSC Rate** – The NSC Rate is defined as the simple rolling average of PG&E's default load aggregation point (DLAP) price from 7 a.m. to 5 p.m., for a 12-month period. PG&E shall use the NSC Rate as the value of the electricity portion of its net surplus compensation rate.

PG&E will calculate the NSC Rate each month. It will be effective on the first day of that month and PG&E will use it in the NSC Calculation for any Net Surplus Generators with a Relevant Period completed in that month (True-Up Month).

The **DLAP Cutoff Date** will be defined as the twentieth (20th) day of the month prior to the True-Up Month.

PG&E will wait five (5) days after the DLAP Cutoff Date for the CAISO to have time to finalize the day-ahead PG&E DLAP prices. The NSC Rate will then be calculated as the simple average of the prices for all hours between 7 a.m. and 5 p.m. over a one (1) year period ending on the DLAP Cutoff Date.

(c) Pursuant to D. 11-06-016, PG&E includes a **Renewable Attribute Adder (RAA)** based on the California Energy Commission (CEC) implementation methodology.

Under the CEC's Renewables Portfolio Standard (RPS) Eligibility Guidebook[4], an ownership verification and tracking process is set forth for Renewable Energy Credits (RECs) created by Net Surplus Generators.

PG&E will pay a Renewable Attribute Adder (RAA) for Net Surplus Electricity if the Net Surplus Generator completes Form 79-1155 -- *Schedules NEM, NEMV, NEMVMASH, Net Surplus Electricity (NSE) Renewable Energy Credits Compensation Form* which requires that each true-up a Net Surplus Generator confirm it or its REC aggregator has:

(1) certified ownership of Net Surplus Electricity Renewable Energy Credits associated with their Net Surplus Electricity;
(2) obtained certification for the Renewable Portfolio Standards (RPS) eligibility of the Electrical Generation Facility from the CEC and provide evidence of this certification to PG&E; and
(3) transferred the ownership of the WREGIS Certificates to PG&E.

The RAA will be calculated using the most recent Western Electricity Coordinating Council (WECC) average renewable premium, based on United States Department of Energy (DOE) published data as submitted via advice letter annually in compliance with Resolution E-4475 and Decision 11-12-018.

(d) Calculation of the NSC – NSC is calculated by multiplying any Net Surplus Electricity (kWh) by the NSC Rate in (b) and (c) above.

[4] The CEC RPS Eligibility Guidebook is available at: ~~http://www.energy.ca.gov/renewables/documents/#rps~~ (T)
https://www.energy.ca.gov/programs-and-topics/programs/renewables-portfolio-standard (T)

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ELECTRIC SCHEDULE NEM Sheet 31
NET ENERGY METERING SERVICE

SPECIAL CONDITIONS: (Cont'd.)

11. NEM Paired Storage

c. Types of NEM Paired Storage

2) Directly Connected: (Cont'd.)

DIRECTLY CONNECTED - Table 11.2
(This table covers **storage that is NOT 100% REGF charged**)
For Both AC and DC Coupled Storage
May Include ► No-Grid Charged storage (if other nonrenewable generation present)
► Non Storage Export (if other nonrenewable generation present)
Includes All ► Grid Charged Storage And Storage Exports
All apply with Application 79-1174-02

Includes ► Non-Storage Export with either NGOM or non-export relay equivalent
(if no other nonrenewable generation present)
All apply with Application 79-1174-02

	PV/Wind < 30 kw	**Non-PV/Wind REGF ≤1MW** **>30kW PV/Wind ≤1MW**	**Bill as**	**IC costs**	**Notes**
Storage ≤ 10kw	79-1093-02	79-1069-02	§3i	Per 5.i	Estimation Methodology
Storage > 10kw And < 150%[65]	79-1069-02	79-1069-02	§3ii	Per 5.ii or iii	NGOM, No Grid Charging, No Storage Export[76] (T) (T)
Storage > 10kw And > 150%	Set up and bill as NEMMT (not under NEM-Paired Storage section)				

[65] the storage system shall have a maximum output power no larger than 150% of the NEM-eligible generator's maximum output capacity. (T)

[76] see definition of "No Grid Charging" storage and "No Storage Export" above in 9.a above. (T)

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ELECTRIC SCHEDULE NEM2 Sheet 2
NET ENERGY METERING SERVICE

APPLICABILITY: (Cont'd.)

Customers seeking generator interconnections in portions of San Francisco and Oakland where PG&E has a network grid must contact PG&E about generation export limitations.

A REGF means a generating facility that generates electricity by using:

a) biomass,
b) solar thermal,
c) photovoltaic,
d) wind,
e) geothermal,
f) fuel cells using renewable fuels,
g) small hydroelectric generation (but a small hydroelectric generation facility is not an eligible REGF if it will cause an adverse impact on instream beneficial uses or cause a change in the volume or timing of streamflow),
h) digester gas,
i) municipal solid waste conversion,
j) landfill gas,
k) ocean wave,
l) ocean thermal, or
m) tidal current,

and any additions or enhancements to the facility using that technology pursuant to paragraph (1) of subdivision (a) of Section 25741 of the Public Resources Code. These renewable sources are defined in the latest version of the California Energy Commission's (CEC's) Renewables Portfolio Standard (RPS) Eligibility Guidebook and the Overall Program Guidebook.[3]

[3] The RPS Guidebooks can be found at: ~~http://www.energy.ca.gov/renewables/documents/index.html#rps~~https://www.energy.ca.gov/programs-and-topics/programs/renewables-portfolio-standard (T) (T)

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ELECTRIC SCHEDULE NEM2 Sheet 15
NET ENERGY METERING SERVICE

SPECIAL CONDITIONS: (Cont'd.)

3. INTERCONNECTION: (Cont'd.)

For Load Aggregation, a completed and signed "NEM Load Aggregation Appendix" (Form 79-1153-02) must be submitted together with the appropriate NEM interconnection agreement listed above.

The eligible customer-generator must meet all applicable safety, and performance standards established by the National Electrical Code, the Institute of Electrical and Electronics Engineers, and accredited testing laboratories such as Underwriters Laboratories and, where applicable, rules of the California Public Utilities Commission regarding safety and reliability.

In order to promote the safety and reliability of the customer REGF, the applicant is required to verify as a part of each interconnection request for this tariff, that all major solar system components are on the verified equipment list maintained by the California Energy Commission and other equipment, as determined by PG&E, should be verified by the customer as having safety certification from a nationally recognized testing laboratory.

Applicant is required to verify as a part of each interconnection request for this tariff, that (i) a warranty of at least 10 years, or (ii) a 10-year service warranty or executed "agreement" ensuring proper maintenance and continued system performance has been provided on all equipment and on its installation.

For Load Aggregation Arrangements Requesting an additional service for Generator – Subject to all other applicable rules, an additional service may be allowed for the Generating Account if it has no load other than that associated directly with the REGF. However, a customer may not subsequently add load to that additional service, and if the REGF is removed, the additional service, may not be converted to a load account.

Customers on this tariff must pay for the interconnection of their REGF as provided in Electric Rule 21, including an application fee. This application fee must be paid through PG&E's online application portal in order to complete the application, unless otherwise directed by PG&E. For application fees for Customers impacted by a Natural or Man-Made Disasters[*5], see Special Condition 10. (T)

For the purposes of the NEM2, NEM2V, and NEM2VMSH tariffs, the rating of the generating facility, for the purposes of comparing its size relative to the 1 megawatt (MW) limit, will be determined based on:

(a) For each PV generator, the California Energy Commission's (CEC) AC rating;

(b) For each inverter based generator, the gross nameplate rating of the inverter; or

(c) For each non-inverter based generator, the generator gross nameplate.

[*5] Natural or man-made disasters includes such events as a fire, earthquake, flood, or severe storms. (T)

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ELECTRIC SCHEDULE NEM2 Sheet 21
NET ENERGY METERING SERVICE

SPECIAL CONDITIONS: (Cont'd.)

5. NET SURPLUS ELECTRICITY COMPENSATION (NSC): (Cont'd.)

b. The NSC Rate – The NSC Rate is defined as the simple rolling average of PG&E's default load aggregation point (DLAP) price from 7 a.m. to 5 p.m., for a 12-month period. PG&E shall use the NSC Rate as the value of the electricity portion of its net surplus compensation rate.

PG&E will calculate the NSC Rate each month. It will be effective on the first day of that month and PG&E will use it in the NSC Calculation for any Net Surplus Generators with a Relevant Period completed in that month (True-Up Month).

The DLAP Cutoff Date will be defined as the twentieth (20th) day of the month prior to the True-Up Month.

PG&E will wait five (5) days after the DLAP Cutoff Date for the CAISO to have time to finalize the day-ahead PG&E DLAP prices. The NSC Rate will then be calculated as the simple average of the prices for all hours between 7 a.m. and 5 p.m. over a one (1) year period ending on the DLAP Cutoff Date.

c. Pursuant to D. 11-06-016, PG&E includes a Renewable Attribute Adder (RAA) based on the California Energy Commission (CEC) implementation methodology.

Under the CEC's Renewables Portfolio Standard (RPS) Eligibility Guidebook[65], an ownership verification and tracking process is set forth for Renewable Energy Credits (RECs) created by Net Surplus Generators. (T)

PG&E will pay a RAA for Net Surplus Electricity if the Net Surplus Generator completes Form 79-1155-02 - *Schedules NEM2, NEM2V, NEMV2MSH, Net Surplus Electricity (NSE) Renewable Energy Credits Compensation Form* which requires that each true-up a Net Surplus Generator confirm it or its REC aggregator has:

1) certified ownership of Net Surplus Electricity Renewable Energy Credits associated with their Net Surplus Electricity;
2) obtained certification for the Renewable Portfolio Standards (RPS) eligibility of the Electrical Generation Facility from the CEC and provide evidence of this certification to PG&E; and
3) transferred the ownership of the WREGIS Certificates to PG&E.

The RAA will be calculated using the most recent Western Electricity Coordinating Council (WECC) average renewable premium, based on United States Department of Energy (DOE) published data as submitted via advice letter annually in compliance with Resolution E-4475 and Decision 11-12-018.

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[65] The CEC RPS Eligibility Guidebook is available at: ~~http://www.energy.ca.gov/renewables/documents/#rps~~ https://www.energy.ca.gov/programs-and-topics/programs/renewables-portfolio-standard (T) | (T)

(Continued)

ELECTRIC SCHEDULE NEM2 Sheet 27
NET ENERGY METERING SERVICE

SPECIAL CONDITIONS: (Cont'd.)

8. NEM2 GRANDFATHERING PROVISIONS (Cont'd.)

b. Modifications[67]. REGFs eligible for the 20-year transition period outlined above that are modified and/or repaired shall remain eligible for the remainder of their 20-year transition period as long as the modifications and/or repairs do not increase the REGF by more than the greater of: (T)

1) 10 percent of the REGF's nameplate rating capacity, as established when the REGF was originally interconnected, or

2) 1 kW;

and provided the modifications and/or repairs do not result in the REGF exceeding the Customer's annual onsite load.

c. Transferability. REGF eligible for the 20-year transition period shall not lose their eligibility if transferred to a new owner, operator, or PG&E account, provided the REGF remains at its original location.[78] (T)

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[67] Customers making modifications and/or additions to their REGF that exceed the 10 percent or 1 kW limit referenced above have the option of either metering the additions and/or modifications separately under another eligible tariff or other authorized process, or having the entire REGF served under another eligible tariff, subject to the terms and conditions contained therein. This requirement will only be enforced upon the development of a new NEM Successor Tariff that supersedes D.16-01-044, or by the direction of the CPUC. (T)

[78] The transfer of an existing REGF to a new location is considered a new installation requiring a new Interconnection Agreement that is subject to the applicable tariffs in place at the time the new Interconnection Request is completed.

(Continued)

ELECTRIC SCHEDULE NEM2 Sheet 28
NET ENERGY METERING SERVICE

SPECIAL CONDITIONS: (Cont'd.)

9. NEM Paired Storage

a. Definitions:

NEM Paired Storage:

NEM Paired Storage is defined as qualifying energy storage devices ("storage system") paired with a REGF that either:

(i) meets the Renewables Portfolio Standard (RPS) Guidebook[95] requirements as an "addition or enhancement" as described in Section c. below, or (T)

(ii) is eligible to received certain benefits as is described this Special Condition by virtue of the fact that it is paired with a REGF although it is not exclusively renewable charged, pursuant to California Public Utilities Commission (CPUC) Decision (D.) 14-05-033 and D.19-01-030.

AC-Coupled:

The REGF has its own inverter or set of inverters; and separately, the storage system has its own inverter or set of inverters, pursuant to CPUC D.19-01-030.

In AC-coupled NEM-eligible GFs paired with storage devices, storage device capacity is determined as the (AC) maximum discharge capacity. The size of the storage system in AC-coupled REGF plus storage systems is the inverter's (or inverters') nameplate capacity (nameplate capacities summed).

DC-Coupled:

The REGF and the storage share the same inverter, or set of inverters, pursuant to CPUC D.19-01-030.

The size of the storage system is the lesser of the shared inverter's (or inverters') nameplate capacity (capacities summed) and the storage device's (devices') maximum continuous discharge capacity (capacities summed) listed on the device's (devices') technical specifications sheets. A storage device's maximum continuous discharge capacity may be listed on technical specification sheets using different terminology; PG&E will use common sense to determine whether a device's technical specification sheet includes the appropriate metric for purposes of determining system size, regardless of the terminology used. If that metric is not included, PG&E will rely on the inverter's nameplate rating.

[95] The RPS Guidebooks can be found at: ~~http://www.energy.ca.gov/renewables/documents/index.html#rps~~https://www.energy.ca.gov/programs-and-topics/programs/renewables-portfolio-standard (T) | (T)

(Continued)

ELECTRIC SCHEDULE NEM2 Sheet 33
NET ENERGY METERING SERVICE

SPECIAL CONDITIONS: (Cont'd.)

9. NEM Paired Storage

c. Types of NEM Paired Storage

DIRECTLY CONNECTED - Table 11.2
(This table covers **storage that is NOT 100% REGF charged**)
For Both AC and DC Coupled Storage
May Include ► No-Grid Charged storage (if other nonrenewable generation present)
► Non Storage Export (if other nonrenewable generation present)
Includes All ► Grid Charged Storage And Storage Exports
All apply with Application 79-1174-02

Includes ► Non-Storage Export with either NGOM or non-export relay equivalent
(if no other nonrenewable generation present)
All apply with Application 79-1174-02

	PV/Wind < 30 kw	**Non-PV/Wind REGF ≤1MW** **>30kW PV/Wind ≤1MW**	**REGF >1Mw**	**Bill as**	**IC costs**	**Notes**
Storage ≤ 10kw	79-1093-02	79-1069-02	79-1078-02	§3i	Per 5.i	Estimation Methodology
Storage > 10kw And <150%[6][10]	79-1069-02	79-1069-02	79-1078-02	§3ii	Per 5.ii or iii	**NGOM, No Grid Charging, No Storage Export**[7][11] (T) (T)
Storage > 10kw And > 150%	Set up and bill as NEMMT (not under NEM-Paired Storage section)					

[6][10] the storage system shall have a maximum output power no larger than 150% of the NEM-eligible generator's maximum output capacity (T)

[7][11] see definition of "No Grid Charging" storage and "No Storage Export" above in 9.a above. (T)

ELECTRIC SCHEDULE NEM2 Sheet 40
NET ENERGY METERING SERVICE

SPECIAL CONDITIONS: (Cont'd.)

10. Natural or Man-Made Disasters (Cont'd)

The intervening period from destruction of the generator to PTO of the replacement generator must be no longer than two years, unless reasonable documentation acceptable to PG&E is provided showing that the new interconnection is in process. The interconnection application must be completed by the same NEM2 customer who was taking service on NEM2 prior to the Natural or Man-Made Disaster. If the generator is not replaced by the same NEM2 Customer, but the property is sold to a new owner after the destruction of the generator, this provision does not extend to the new owner. The new owner must apply and take service under the NEM tariff in effect at the time and is subject to all the requirements of a new customer seeking interconnection for that NEM tariff.

Customers impacted by Natural or Man-Made Disasters who meet the requirements included in this Special Condition and whose replacement system is sized[~~10~~12] no greater than 1 megawatt (MW) are exempt from the interconnection application fee when reapplying. (T)

Customers impacted by Natural or Man-Made Disasters must comply with all requirements associated with the installation of Smart Inverter technology, as defined in Electric Rule 21.

[~~10~~12] Sized as defined in Special Condition 3. (T)

ELECTRIC SCHEDULE NEM2V Sheet 3
VIRTUAL NET ENERGY METERING SERVICE

APPLICABILITY: (Cont'd.)

A REGF means a generating facility that generates electricity by using:

a) biomass,
b) solar thermal,
c) photovoltaic,
d) wind,
e) geothermal,
f) fuel cells using renewable fuels,
g) small hydroelectric generation (but a small hydroelectric generation facility is not an eligible REGF if it will cause an adverse impact on instream beneficial uses or cause a change in the volume or timing of streamflow),
h) digester gas,
i) municipal solid waste conversion,
j) landfill gas,
k) ocean wave,
l) ocean thermal, or
m) tidal current,

and any additions or enhancements to the generating facility using that technology pursuant to paragraph (1) of subdivision (a) of Section 25741 of the Public Resources Code. These renewable sources are defined in the latest version of the California Energy Commission's (CEC's) Renewables Portfolio Standard (RPS) Eligibility Guidebook and the Overall Program Guidebook.[6]

Service Under Schedule NEM2V is available to Customers that provide PG&E with:

a. a completed, signed NEM2V application and interconnection agreement as described in Special Condition 4, including all supporting documents and required payments; AND

b. evidence of the Customer's final inspection clearance from the governmental authority having jurisdiction over the REGF.

[6] The RPS Guidebooks can be found at: ~~http://www.energy.ca.gov/renewables/documents/index.html#rps~~https://www.energy.ca.gov/programs-and-topics/programs/renewables-portfolio-standard (T) (T)

(Continued)

ELECTRIC SCHEDULE NEM2V Sheet 20
VIRTUAL NET ENERGY METERING SERVICE

SPECIAL CONDITIONS: (Cont'd.)

5. NET SURPLUS ELECTRICITY COMPENSATION (NSC): (Cont'd.)

b. **The NSC Rate** – The NSC Rate is defined as the simple rolling average of PG&E's default load aggregation point (DLAP) price from 7 a.m. to 5 p.m., for a 12-month period. PG&E shall use the NSC Rate as the value of the electricity portion of its net surplus compensation rate.

PG&E will calculate the NSC Rate each month. It will be effective on the first day of that month and PG&E will use it in the NSC Calculation for any Net Surplus Generators with a Relevant Period completed in that month (True-Up Month).

The DLAP Cutoff Date will be defined as the twentieth (20th) day of the month prior to the True-Up Month.

PG&E will wait five (5) days after the DLAP Cutoff Date for the CAISO to have time to finalize the day-ahead PG&E DLAP prices. The NSC Rate will then be calculated as the simple average of the prices for all hours between 7 a.m. and 5 p.m. over a one (1) year period ending on the DLAP Cutoff Date.

c. Pursuant to D.11-06-016, PG&E includes a Renewable Attribute Adder (RAA) based on the California Energy Commission (CEC) implementation methodology.

Under the CEC's Renewables Portfolio Standard (RPS) Eligibility Guidebook[7], an ownership verification and tracking process is set forth for Renewable Energy Credits (RECs) created by Net Surplus Generators.

PG&E will pay a Renewable Attribute Adder (RAA) for Net Surplus Electricity if the Net Surplus Generator completes Form 79-1155-02 - Schedules NEM2, NEM2V, NEM2VMSH Net Surplus Electricity (NSE) Renewable Energy Credits Compensation Form which requires that each true-up a Net Surplus Generator confirm it or its REC aggregator has:

1) certified ownership of Net Surplus Electricity Renewable Energy Credits associated with their Net Surplus Electricity;

2) obtained certification for the Renewable Portfolio Standards (RPS) eligibility of the REGF from the CEC and provide evidence of this certification to PG&E; and

3) transferred the ownership of the WREGIS Certificates to PG&E.

[7] The CEC RPS Eligibility Guidebook is available at: ~~http://www.energy.ca.gov/renewables/documents/#rps~~ https://www.energy.ca.gov/programs-and-topics/programs/renewables-portfolio-standard (T) (T)

(Continued)

ELECTRIC SCHEDULE NEM2VSOM Sheet 7
VIRTUAL NET ENERGY METERING SOLAR ON MULTIFAMILY AFFORDABLE HOUSING (SOMAH) PROPERTIES

SPECIAL CONDITIONS: (Cont'd.)

2. BILLING: (Cont'd.)

b. The Annual Solar Energy Credit Allocation (Cont'd.)

Any measured usage at the Generator Account over and above that required by the ESGF itself, will be treated as if it is Common Area Account usage for the purposes of the Annual Solar Energy Credit Allocation and for billing.

For the Residential Unit Accounts, the percentage of solar energy credits (in kWh) allocated to each Residential Unit Account will be in proportion to the relative size of each unit, consistent with the manner in which affordable housing rents are established. This solar allocation percentage will be established initially by the Owner on Appendix A of the NEM2VSOM application and interconnection agreement as described in Special Condition 3. Allocations will be rounded to the nearest 100th of a percent.

If there are multiple Common Area Accounts, the Owner must specify each Common Area Account allocation on Appendix A of the NEM2VSOM application and interconnection agreement as described in Special Condition 3.

Once allocated, Credits (in dollars) will be calculated per the OAS for each bundled service. Customer Load Account as described in Special Condition 2.c and 2.d. For a DA or CCA Service Benefitting Account, the credit will be calculated by the ESP or CCA in accordance with the ESP's or CCA's program corresponding to NEM2VSOM.

If a tenant stops service with PG&E while participating in the NEM2VSOM arrangement as a benefitting account (i.e. a tenant moves out), the Owner has the option of temporarily receiving the disposition of credits until a new tenant starts service. To establish this transition of credits, the Owner must submit ~~Gas~~ Electric Form 02-2590[4] (Interim Service Agreement) according to the instructions on the form, or utilize PG&E's Property Management Portal (online). After the request is processed, any benefitting account participating in the NEM2VSOM arrangement that becomes vacant will have its service started in the Owner's name, and the credits will be allocated to that service until a new tenant starts service. A true-up for the service will be performed prior to the start of any new service in the NEM2VSOM arrangement. (T)

After the initial twenty-year period, the Owner may only modify this allocation once in any 12-month period. A reallocation of the solar credit becomes effective for each Customer Load Account on the first day of the next Billing Cycle where the Billing Cycle start date occurs at least five business days after the date of the Owner's request.

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[4] ~~https://www.pge.com/tariffs/tm2/pdf/GAS_FORMS_02-2590.pdf~~ https://www.pge.com/tariffs/assets/pdf/tariffbook/ELEC_FORMS_02-2590.pdf. ~~Although t~~This ~~is a gas~~ form~~, it~~ addresses continuing both gas and electric services due to tenant vacancy. To ensure that credits are not lost, PG&E recommends that Owners complete the "Interim Service Agreement" process prior to receiving approval for the NEM2VSOM tariff. (T) | (T)

(Continued)

ELECTRIC SCHEDULE NEMV Sheet 3
VIRTUAL NET METERING FOR A MULTI-TENANT OR MULTI-METER PROPERTY SERVED AT THE SAME SERVICE DELIVERY POINT

APPLICABILITY: (Cont'd.)

A Renewable Electrical Generation Facility means a generating facility that generates electricity by using:

a) biomass,
b) solar thermal,
c) photovoltaic,
d) wind,
e) geothermal,
f) fuel cells using renewable fuels,
g) small hydroelectric generation (but a small hydroelectric generation facility is not an eligible renewable electrical generation facility if it will cause an adverse impact on instream beneficial uses or cause a change in the volume or timing of streamflow),
h) digester gas,
i) municipal solid waste conversion,
j) landfill gas,
k) ocean wave,
l) ocean thermal, or
m) tidal current,

and any additions or enhancements to the generating facility using that technology pursuant to paragraph (1) of subdivision (a) of Section 25741 of the Public Resources Code. These renewable sources are defined in the latest version of the California Energy Commission's (CEC's) Renewables Portfolio Standard (RPS) Eligibility Guidebook and the Overall Program Guidebook[5]

NEMV Cap: Service Under Schedule NEMV is available on a first-come, first-served basis to Customers that provide PG&E with:

a. a completed, signed NEMV application and interconnection agreement as described in Special Condition 4, including all supporting documents and required payments; AND

b. evidence of the Customer's final inspection clearance from the governmental authority having jurisdiction over the Renewable Electrical Generation Facility;

until the earlier of (i) July 1, 2017, or (ii) such time as the Total Rated Generating Capacity (as defined in Schedule NEM) used by eligible Customer-generators and Qualified Customers on rate Schedules NEM, NEMV and NEMVMASH, exceeds the larger of five (5) percent of PG&E's Aggregate Customer Peak Demand (as defined in Schedule NEM) once PG&E has interconnected at least 2409 megawatts of nameplate generating capacity. Customers meeting these conditions are referred to as "NEMV Transition Eligible Customers".

The NEM Transition Provisions in Schedule NEM will apply here.

[5] The RPS Guidebooks can be found at:
~~http://www.energy.ca.gov/renewables/documents/index.html#rps~~ (T)
https://www.energy.ca.gov/programs-and-topics/programs/renewables-portfolio-standard (T)

(Continued)

ELECTRIC SCHEDULE NEMVMASH Sheet 1

VIRTUAL NET ENERGY METERING FOR MULTIFAMILY
AFFORDABLE HOUSING (MASH/NSHP) WITH SOLAR GENERATOR(S)

APPLICABILITY: This virtual net energy-metering schedule is applicable to Customers, who operate (a) solar generator(s) of not more than 1,000 kW in parallel with PG&E's electric system, all on the same Premises (or meeting the requirements in c.) for:

a. an existing building or buildings served from one Customer Service Delivery Point, as defined in Rule 16, with PG&E's Distribution System that received incentives under PG&E's California Solar Initiative (CSI) Multifamily Affordable Solar Housing (MASH) Program*1, or (T)

b. new, "Affordable Housing" consisting of one or more buildings serviced from one Customer Service Delivery Point, as defined in Rule 16, with PG&E's Distribution System that received incentives under the New Solar Homes Partnership (NSHP) **2 Program in PG&E's service territory, or (T)

c. Customers that meet the requirements of provisions "a" or "b" above except for the single Customer Service Delivery Point restriction may alternatively elect to serve Accounts located at multiple Customer Service Delivery Points within their "Eligible Low Income Development" so as to fully utilize their solar generator(s) of not more than 1,000 kW also sited within their "Eligible Low Income Development."

d. Customers that meet the eligibility requirements for MASH but did not receive MASH funding, may participate in option c.

This option d. is only available to Customer-generators that are ready to interconnect and operate by December 31, 2011, including evidence of the customer's final inspection clearance from the governmental authority having jurisdiction over the generating facility.

* 1 Pursuant to CPUC Decision 08-10-036, "The MASH Program is targeted at existing multifamily affordable housing that meets the definition of low-income residential housing set forth in Pub. Util. Code 2852. Specifically, this means multifamily housing financed with low-income housing tax credits, tax-exempt mortgage revenue bonds, general obligation bonds, or local, state or federal loans or grants. The housing must also meet the definition of low-income households in Health and Safety Code 50079.5 (p. 6). Under the MASH program, the portion of the system offsetting common area load would receive Track 1A incentives, and the portion offsetting tenant load would receive Track 1B incentives." (T)

** 2 Pursuant to Public Resources Code 25401.6, to be eligible as a NSHP "affordable housing" means: (T)

a. In its administration of Section 25744, the Commission shall establish a separate rebate for eligible distributed emerging technologies for affordable housing projects including, but not limited to, projects undertaken pursuant to Section 50052.5, 50053, or 50199.4 of the Health and Safety Code. In establishing the rebate, where the Commission determines that the occupants of the housing shall have meters, the Commission may adjust the amount of the rebate based on the capacity of the system, provided that a system may receive a rebate only up to 75 percent of the total installed costs. The Commission may establish a reasonable limit on the total amount of funds dedicated for purposes of this section;

b. It is the intent of the Legislature that this section fulfills the purpose of paragraph (5) of subdivision (b) of Section 25744.

(Continued)

ELECTRIC SCHEDULE NEMVMASH Sheet 3
VIRTUAL NET ENERGY METERING FOR MULTIFAMILY
AFFORDABLE HOUSING (MASH/NSHP) WITH SOLAR GENERATOR(S)

APPLICABILITY: (Cont'd.)

Network Grid Limitations – Portions of San Francisco and Oakland, where PG&E has a network grid, have generation export limitations. Customers seeking generator interconnections in San Francisco and Oakland must contact PG&E before beginning any work.

Account Types – Three types of Accounts in an Eligible Low Income Facility are covered by this tariff:

a. Generator Account– the Account(s) where the up to one megawatt solar photovoltaic generation (Solar Generating Facilities) are interconnected and for which the Eligible Low Income Facility owner or a party they designate ("Owner"), is the PG&E Customer. The Generator Account must have no load other than that required by the Solar Generating Facility itself and must not be included as part of a Common Area Account. For Solar Generating Facilities with storage, please see Special Condition 6[13]. (T)

b. Common Area Account– each load-only Account for a common area, if any, and for which the Owner is the PG&E Customer.

c. Residential Unit Account – each load-only account for a residential unit located in the Eligible Low Income Facility, and for which an occupant is the PG&E Customer.

The Generator Account(s), the Common Area Account(s), and the Residential Unit Accounts will be referred to collectively in this tariff as a "NEMVMASH Arrangement". Any Account that includes load, except one that includes only Solar Generating Facility load or as otherwise provided in NEMVMASH, is referred to as a "Load Account".

Owner Obligations – The Owner must:

a. comply with all applicable safety and performance standards as delineated in PG&E's Electric Rule 21 and other applicable tariffs, safety and performance standards established by the National Electrical Code, the Institute of Electrical and Electronics Engineers, and accredited testing laboratories such as Underwriters Laboratories and, where applicable, rules of the California Public Utilities Commission regarding safety and reliability. The Owner is solely responsible for the ongoing maintenance and operation of the Solar Generating Facility;

b. keep in force the amount of property, commercial general liability and/or personal liability insurance the Owner has in place at the time they initiate service on this tariff;

c. agree that PG&E may from time to time release to the California Energy Commission and/or the California Public Utilities Commission, information regarding the Eligible Low Income Facility, including the Owner's name, and Solar Generating Facility location, capacity and operational characteristics, and Customer names at the Residential Unit Accounts; AND

d. agree to comply with all applicable rules and requirements of PG&E's Net Energy Metering tariffs.

[13] Consistent with Decision (D.) 14-05-033, as modified by D.16-01-044, NEM paired storage may interconnect under this tariff subject to the metering and sizing requirements specified in D.14-05-033. (T)

(Continued)

ELECTRIC SCHEDULE NEMVMASH Sheet 15
VIRTUAL NET ENERGY METERING FOR MULTIFAMILY
AFFORDABLE HOUSING (MASH/NSHP) WITH SOLAR GENERATOR(S)

SPECIAL CONDITIONS: (Cont'd.)

4. Net Surplus Electricity Compensation (NSC) (Cont'd):

(b) The **NSC Rate** – The NSC Rate is defined as the simple rolling average of PG&E's default load aggregation point (DLAP) price from 7 a.m. to 5 p.m., for a 12-month period. PG&E shall use the NSC Rate as the value of the electricity portion of its net surplus compensation rate.

PG&E will calculate the NSC Rate each month. It will be effective on the first day of that month and PG&E will use it in the NSC Calculation for any Net Surplus Generators with a Relevant Period completed in that month (True-Up Month).

The **DLAP Cutoff Date** will be defined as the twentieth (20th) day of the month prior to the True-Up Month.

PG&E will wait five (5) days after the DLAP Cutoff Date for the CAISO to have time to finalize the day-ahead PG&E DLAP prices. The NSC Rate will then be calculated as the simple average of the prices for all hours between 7 a.m. and 5 p.m. over a one (1) year period ending on the DLAP Cutoff Date.

(c) Pursuant to D. 11-06-016, PG&E includes a Renewable **Attribute Adder (RAA)** based on the California Energy Commission (CEC) implementation methodology.

Under the CEC's Renewables Portfolio Standard (RPS) Eligibility Guidebook[14], an ownership verification and tracking process is set forth for Renewable Energy Credits (RECs) created by Net Surplus Generators. (T)

PG&E will pay a Renewable Attribute Adder (RAA) for Net Surplus Electricity if the Net Surplus Generator completes Form 79-1155 -- *Schedules NEM, NEMV, NEMVMASH, Net Surplus Electricity (NSE) Renewable Energy Credits Compensation Form* which requires that each true-up a Net Surplus Generator confirm it or its REC aggregator has:

(1) certified ownership of Net Surplus Electricity Renewable Energy Credits associated with their Net Surplus Electricity;
(2) obtained certification for the Renewable Portfolio Standards (RPS) eligibility of the Electrical Generation Facility from the CEC and provide evidence of this certification to PG&E; and
(3) transferred the ownership of the WREGIS Certificates to PG&E.

The RAA will be calculated using the most recent Western Electricity Coordinating Council (WECC) average renewable premium, based on United States Department of Energy (DOE) published data as submitted via advice letter annually in compliance with Resolution E-4475 and Decision 11-12-018.

(d) Calculation of the NSC – NSC is calculated by multiplying any Net Surplus Electricity (kWh) by the NSC Rate in (b) and (c) above.

[14] The CEC RPS Eligibility Guidebook is available at: ~~http://www.energy.ca.gov/renewables/documents/#rps~~ (T)
https://www.energy.ca.gov/programs-and-topics/programs/renewables-portfolio-standard (T)

(Continued)

ELECTRIC SCHEDULE NEMVMASH Sheet 18
VIRTUAL NET ENERGY METERING FOR MULTIFAMILY
AFFORDABLE HOUSING (MASH/NSHP) WITH SOLAR GENERATOR(S)

SPECIAL CONDITIONS: (Cont'd.)

7. Natural or Man-Made Disasters

NEMVMASH Transition Eligible Customers impacted by a Natural or Man-Made disaster[35] may request to resume service on this tariff from (i) the date of the issuance of their original pre-natural-or-man-made disaster "permission to operate" (PTO) letter until (ii) the date of the customer's first Energy True Up in the twenty first (21st) year. (T)

An Impacted Owner must:

(i) be in accordance with incentive program rules in effect at the time of submitting the interconnection application,

(ii) reapply for interconnection with a replacement system(s) sized (i) no larger than 1,000 kW and (ii) to generate no more than the 12 months of historic, or estimated usage (kWh), where the new NEMVMASH Arrangement is located on the same parcel(s) as the original NEMVMASH Arrangement, and

(iii) when reapplying for interconnection, submit proof of destruction of the renewable generator(s), if requested by PG&E.

When the Generator account(s) in the NEMVMASH Arrangement is impacted by a Natural or Man-Made Disaster, PG&E will true-up the NEMVMASH Arrangement pursuant to Special Condition 2.g., and Net Surplus Compensation will be issued, if any, pursuant to Special Condition 4 up to the date of the Natural or Man-Made disaster. If the Generator Account(s) is not impacted while one or more of the Load Accounts are, a True-Up will only occur for the impacted accounts, and PG&E will continue to bill the remaining[46] Load Accounts on NEMVMASH, unless requested by the Owner. Any other Owner-requested changes to the NEMVMASH Arrangement beyond being impacted by a Natural or Man-Made Disaster will be in accordance with Special Condition 2.b. (T)

The intervening period from destruction of the generator(s) to permission to operate (PTO) of the replacement generator(s) must be no longer than two years, unless reasonable documentation acceptable to PG&E is provided showing that the new interconnection is in process.

Although, the initial five-year period for fixed allocation described in Special Condition 2.b. does not pause, the ratio of the percentage of Annual Solar Energy Credits allocated to the Common Area Account(s) versus the Residential Unit Accounts on the new NEMVMASH Arrangement must be at least the same as the original NEMVMASH Arrangement. This requirement does not apply if the five-year period has expired prior to the reapplication process, unless otherwise specified by incentive program rules.

[35] Natural or man-made disasters includes such events as a fire, earthquake, flood, or severe storms. (T)
[46] PG&E will proactively bill the remaining benefitting accounts on NEMVMASH when there are at least two benefitting accounts. When only benefitting accounts are impacted, Owners do not need to submit an interconnection application to enact this provision, unless requested by PG&E. (T)

(Continued)

ELECTRIC RATE SCHEDULE RES-BCT Sheet 1
SCHEDULE FOR LOCAL GOVERNMENT
RENEWABLE ENERGY SELF-GENERATON BILL CREDIT TRANSFER

see
APPLICABLITY: This schedule is applicable to an eligible "Local Government" with one or more "Eligible Renewable Generating Facilities" each totaling no more than five megawatts in capacity where any exported energy will be credited to "Benefiting Accounts" of the same Local Government, as described in Public Utilities (PU) Code Section 2830 and in this tariff. To be eligible, the customer must be a "Local Government", defined as a city, county, whether general law or chartered, city and county, special district, school district, political subdivision, or other local public agency, or a joint powers authority (JPA) formed pursuant to the Joint Exercise of Powers Act (Chapter 5 (commencing with Section 6500) of Division 7 of Title 1 of the Government Code) that has as members public agencies located within the same county and same electrical corporation service territory, if authorized by law to generate electricity, but shall not mean ~~a joint powers authority,~~ the state or any agency or department of the state, other than an individual "Campus" (defined as an individual community college campus, individual California State University campus, or individual University of California campus) of the University of California or the California State University, or any JPA that has as members public agencies located in different counties or different electrical corporation service territories, or that has as a member the federal government, any federal department or agency, California or another state, or any department or agency of California or another state. The Local Government must have a "Arrangement" (defined as a Local Government's Generating Account(s) along with the designated Benefiting Accounts that will be receiving the allocated export credits) with one or more designated electric accounts each of which: (T) (T)

1. is located within the geographical boundary of the same Local Government, or, for a campus, within the geographical boundary of the city or city and county, if the campus is located in an incorporated area, or county, if the campus is located in an unincorporated area, as is mutually agreed upon by the same Local Government and PG&E;

   belongs to a member of a JPA and is located within the geographical boundaries of the group of public agencies that formed the JPA, and the eligible renewable generating facility and the electricity account or accounts are all wholly located within the confines of a single county within which the JPA is located, and electric service is provided by PG&E, with the account or accounts being mutually agreed upon by the JPA and PG&E;

   and

2. is owned, operated, or on property leased by or under the control of the same Local Government;

3. takes service on a bundled, time-of-use (TOU) rate schedule; and

4. is located in PG&E's service territory and receives electric service from PG&E;

and where at least one account is a "**Generating Account**" with an "**Eligible Renewable Generating Facility**" that:

1. is interconnected with PG&E's Electric System;

2. meets the definition of an "eligible renewable energy resource" pursuant to the California Renewables Portfolio Standard Program as is defined in Public Utilities Code Section 399.12 (e);

(Continued)

ELECTRIC RULE NO. 1 Sheet 13
DEFINITIONS

ELECTRIC SERVICE PROVIDER: See "Energy Service Provider."

ELECTRONIC BILLING: A billing method whereby at the mutual option of the Customer and PG&E, the Customer elects to receive, view, and pay bills electronically and to no longer receive paper bills.

ELECTRONIC PRESENTMENT: When made available or transmitted electronically to the Customer at an agreed upon location.

EMERGENCY CONSUMER PROTECTION PLAN: Pursuant to CPUC directives and advice letters listed below, residential and non-residential customers in areas where a state of emergency proclamation is issued by the California Governor's Office or the President of the United States due to a disaster that affects utility services are eligible for applicable measures under PG&E's Emergency Consumer Protection Plan.

The Emergency Consumer Protection Plan includes:

Measure for Impacted[17] Customers. (T)

- Stop estimated usage for billing attributed to the period account was unoccupied due to disaster* (Electric Rule 9).
- Offer favorable payment plan as needed to impacted customers, including customers with employment impacted by a disaster† (Electric Rule 11).
- Offer Low income support measures† (Electric Rule 19.1, 19.2 and 19.3).

Additional Emergency Measure for Red-Tagged[28] Customers. (T)

- Discontinue billing and prorate the minimum delivery charges* (Electric Rule 9).
- Suspend disconnections for non-payment† (Electric Rule 11).
- Waive reconnection fees and return check fees† (Electric Rule 11).
- Waive security deposit for reestablishment of service† (Electric Rule 6).
- Expedite move-in and move-out service requests.‡
- Ability to reestablish service under a prior rate schedule as long as the rate schedule is still available and has not been retired‡ (Electric Rule 12).
- Waive cost of installation and removal of service extensions for temporary Service‡ (Electric Rule 13).

[17] Impacted customers live within 2 miles of the fire-impacted perimeter as designated by CAL FIRE. (T)
[28] Red-tagged customers have homes or businesses that are unserviceable because of the disaster. (T)
* On a one-time per event basis.
† For 12 months from the date the Governor issues state of emergency proclamation.
‡ For 12 months from the date the Governor issues state of emergency proclamation and until services are restored (once permanent electric or gas meter is installed/set).

(Continued)

ELECTRIC RULE NO. 21 Sheet 261
GENERATING FACILITY INTERCONNECTIONS

Appendix A (Cont'd.) Forms Associated with Rule 21 Generating Facility Interconnections			
Form Number	Title	Associated Tariffs	Use Guidance
Export for Sale Interconnection Forms			
79-1145	Rule 21 Exporting Generator Interconnection Request	Rule 21	Preferred online application: ~~http://www.pge.com/mybusiness/customerservice/nonpgeutility/generateownpower/egi/~~ https://www.pge.com/en_US/large-business/services/alternatives-to-pge/electric-generation-interconnection.page (T)
79-1197	Local Government Renewable Energy Self-Generation Bill Credit Transfer (RES-BCT) Re-Allocation Request	RES-BCT	Use to establish RES-BCT benefiting account re-allocations
79-1198-02	Interconnection Agreement For Net Energy Metering (NEM2) And Renewable Electrical Generating Facility Sized Greater Than 1,000 Kw	NEM2	FT and Detailed Study Interconnection Agreement for >1MW NEM2 Generating Facilities
79-1200	Rule 21 Generator Interconnection Agreement For Exporting Generating Facilities	Rule 21	FT and Detailed Study Interconnection Agreement for Exporting Generating Facilities
Other Agreements			
79-280	Agreement for Installation of Allocation of Special Facilities for Parallel Operation of Non-Utility-Owned Generation and/or Electrical Standby Service (Electric Rules 2 and 21)	Rule 21	Special Facilities Agreement to be used with Form 79-702
79-702	Appendix A: Detail of Special Facilities Charges to be used in concert with form 79-280	Rule 21	Used with Form 79-280

*** The application section of these forms is replaced by 79-1174.
**** For NEMA expanded customers, use the online 79-1174 form.

(Continued)

ELECTRIC RULE NO. 28 Sheet 1
MOBILEHOME PARK UTILITY UPGRADE PROGRAM

A. PURPOSE: Pursuant to the California Public Utilities Commission's (CPUC or Commission) Decision (D.)14-03-021, Resolution E-4878, and Resolution E-4958. PG&E is offering the Mobilehome Park Utility Upgrade Program ("MHP Program") as a voluntary living pilot program to convert eligible master-metered submetered Mobilehome Parks or Manufactured Housing Communities (MHP) spaces within PG&E's service territory. The MHP Program will conclude the earlier date of December 31, 2021 or the issuance of a Commission Decision for the continuation, expansion or modification of the program. Subject to the requirements set forth in this Rule and the program extension limitations set forth in Ordering Paragraph 2 of Resolution E-4958, all eligible submetered spaces (including both "To-the-Meter" and "Beyond-the-Meter"), and common use services within the entire MHP will be converted from master-metered electric distribution service to direct PG&E distribution and service (Distribution System).

B. APPLICABILITY: The MHP Program is available to all eligible MHPs within PG&E's service territory as defined in Section C. Within the eligible MHPs, the only eligible Mobilehome spaces are those permitted by the California Department of Housing and Community Development (HCD) or its designated agency. Recreational vehicle parks and spaces are not eligible for the MHP Program.

C. PROGRAM ELIGIBILITY:

1. MHPs must meet all of the following criteria to be eligible for the MHP Program. Program eligibility does not guarantee acceptance into the program, nor does it guarantee conversion to direct service from PG&E.

   a. Receives electricity through a utility owned master-meter, owns and operates the distribution system with at least a natural gas or electric associated sub-meters, and furnish electricity to residents. In cases where only one service is submetered the submetered service must be served by an Investor Owned Utility participating in the MHP Program.
   b. Take electric service under ~~one of the following rate schedules:~~ (T)
      - Electric Schedule ET. (T)
      - ~~Electric Schedule ETL~~ (T)
   c. Operate under a current and valid license from the governmental entity with relevant authority.
   d. If operated on leased real property, the land lease agreement must continue for a minimum of 20 years from the time that the MHP Agreement is executed by PG&E.
   e. Not be subject to an enforceable condemnation order and/or to a pending condemnation proceeding.

(Continued)

ELECTRIC RULE NO. 9 Sheet 4
RENDERING AND PAYMENT OF BILLS

F. CLOSING BILL PAYABLE ON PRESENTATION

Closing bills are due upon presentation. Before service will be connected or reconnected, PG&E may require payment of all outstanding bills, including deposits, special bills or reconnection fees.

G. BUDGET BILLING

Residential and small commercial customers whose energy is supplied and billed by PG&E on Rate Schedules: E-1, ~~EL-1,~~ E-6, ~~EL-6,~~ EM, ~~EML,~~ ES, ~~ESL,~~ ESR, ~~ESRL,~~ ET, ~~ETL,~~ E-TOU, E-TOU-C, E-TOU-D, ~~EL-TOU,~~ EM-TOU, EV, EV2, A-1, A-6, B-1, ~~and~~ B-6, and BEV-1 and wish to minimize variations in monthly bills, may elect to participate in the Budget Billing plan. Qualifying California Alternate Rates for Energy (CARE) customers taking service on the above rate schedules in conjunction with Schedule D-CARE may also elect to participate in the Budget Billing plan. This plan is detailed as follows: (T) (T)

1. A Customer can join the plan in any month of the year. The plan will remain in effect until it is terminated by PG&E or the customer.

2. Participation is subject to approval by PG&E.

3. Meters will be read and billed at regular intervals.

4. Customers will be expected to pay the Budget Billing amount shown due.

5. The Budget Billing amount will be one-twelfth of the annual bill as estimated by PG&E, based on the customer's historical billings for the most recent year at the time of the calculation, or, if that is not available, the usage pattern of either the premises comparable customers similarly situated.

6. Budget Billing amounts will be reviewed at least three times a year and adjusted no more than three times in a year if required to reduce the likelihood of a large imbalance between actual charges and Budget Billing charges. Customers will be notified on their bill of any change in the Budget Billing amount.

7. Participants are subject to removal from the plan and subject to termination of service if a bill containing a prior unpaid Budget Billing amount becomes delinquent as defined in Rule 11.

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PG&E Gas and Electric
Advice Submittal List
General Order 96-B, Section IV

AT&T
Albion Power Company
Alcantar & Kahl LLP

Alta Power Group, LLC
Anderson & Poole

Atlas ReFuel
BART

Barkovich & Yap, Inc.
California Cotton Ginners & Growers Assn
California Energy Commission
California Public Utilities Commission
California State Association of Counties
Calpine

Cameron-Daniel, P.C.
Casner, Steve
Cenergy Power
Center for Biological Diversity

Chevron Pipeline and Power
City of Palo Alto

City of San Jose
Clean Power Research
Coast Economic Consulting
Commercial Energy
Crossborder Energy
Crown Road Energy, LLC
Davis Wright Tremaine LLP
Day Carter Murphy

Dept of General Services
Don Pickett & Associates, Inc.
Douglass & Liddell

Downey & Brand
East Bay Community Energy
Ellison Schneider & Harris LLP
Energy Management Service
Engineers and Scientists of California

GenOn Energy, Inc.
Goodin, MacBride, Squeri, Schlotz & Ritchie
Green Power Institute
Hanna & Morton
ICF
IGS Energy
International Power Technology
Intestate Gas Services, Inc.
Kelly Group
Ken Bohn Consulting
Keyes & Fox LLP
Leviton Manufacturing Co., Inc.

Los Angeles County Integrated Waste Management Task Force
MRW & Associates
Manatt Phelps Phillips
Marin Energy Authority
McKenzie & Associates

Modesto Irrigation District
NLine Energy, Inc.
NRG Solar

Office of Ratepayer Advocates
OnGrid Solar
Pacific Gas and Electric Company
Peninsula Clean Energy

Pioneer Community Energy

Redwood Coast Energy Authority
Regulatory & Cogeneration Service, Inc.
SCD Energy Solutions

SCE
SDG&E and SoCalGas

SPURR
San Francisco Water Power and Sewer
Seattle City Light
Sempra Utilities
Southern California Edison Company
Southern California Gas Company
Spark Energy
Sun Light & Power
Sunshine Design
Tecogen, Inc.
TerraVerde Renewable Partners
Tiger Natural Gas, Inc.

TransCanada
Troutman Sanders LLP
Utility Cost Management
Utility Power Solutions
Water and Energy Consulting Wellhead Electric Company
Western Manufactured Housing Communities Association (WMA)
Yep Energy