PUBLIC UTILITIES COMMISSION
505 VAN NESS AVENUE

October 23, 2019

Advice Letter 5626-E

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: Implementation of the New Commercial and Industrial Rate Schedules with Later Peak Time-of-Use Hours Pursuant to Decision 18-08-013

Dear Mr. Jacobson:

Advice Letter 5626-E is effective as of November 1, 2019.

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
77 Beale St., Mail Code B13U
P.O. Box 770000
San Francisco, CA 94177

Fax: 415-973-3582

September 10, 2019

Advice 5626-E
(Pacific Gas and Electric Company ID U 39 E)

Public Utilities Commission of the State of California

Subject: **Implementation of the New Commercial and Industrial Rate Schedules with Later Peak Time-of-Use Hours Pursuant to Decision 18-08-013**

Purpose

Pacific Gas and Electric Company (PG&E) requests approval of the attached pro forma tariffs for the new commercial and industrial Electric Rate Schedules B-1, B-6, B-10, B-19, B-20 and SB, including Option S for Schedules B-19 and B-20, adopted in Decision (D.) 18-08-013. PG&E's pro forma tariffs are provided as Attachment 1. In addition, references to these new Electric Rate Schedules have been included in PG&E's applicable Electric Rules, Preliminary Statements and Forms, and are also provided in Attachment 1. PG&E currently expects that these Rate Schedules will be available to eligible customers on an 'opt-in' basis beginning November 1, 2019.

Background

On August 9, 2018, the California Public Utilities Commission (CPUC or Commission) issued D.18-08-013 (the decision) in PG&E's Application to Revise Its Electric Marginal Costs, Revenue Allocation, and Rate Design (Application (A.) 16-06-013). The decision accepts various settlement agreements that make significant changes to PG&E's rate designs. In particular, the decision adopted, with certain modifications, settlements for (1) Small Light and Power Rate Design, and (2) Standby and Medium and Large Light and Power Rate Design. A key provision of those settlements established rates with revised Time-of-Use (TOU) periods and seasonal definitions that would be available for a minimum of 6 months before they become mandatory the following November. PG&E currently expects the new rates to become available on a voluntary basis on November 1, 2019 and that the mandatory implementation will begin on November 1, 2020, for these customer groups. In this advice letter PG&E is proposing pro forma tariffs pursuant to the Commission's decision.

Separately, PG&E has submitted Advice 5625-E. In Advice 5625-E, PG&E sets forth changes to the longstanding currently effective legacy commercial and industrial tariffs that establish the terms of legacy service during the period before the rates with new TOU

periods become mandatory and describe the mandatory transition process to the rates with new TOU periods. PG&E will submit separate advice letters at a later date to cover the terms of service for the new and legacy agricultural customer class TOU rate schedules and tariffs, with March 2020 opt-in and March 2021 mandatory effective dates for the new agricultural rates with later Peak TOU hours.

Tariff Revisions

PG&E's proposed new commercial and industrial pro forma tariffs include illustrative rate values for the new rates. The illustrative rates are based on overall rate levels effective on July 1, 2019. PG&E will revise these illustrative rates to take into consideration the revenue requirements that are in effect on November 1, 2019, prior to the November 1, 2019 implementation date. PG&E requests approval of these new pro forma tariffs in this Tier 1 Advice Letter.

PG&E will include final rates effective November 1 in either the advice letter for overall rate changes for November 1, 2019, or as a supplement to this advice letter if the Commission has not issued a disposition letter by middle of October.

Proposed pro forma tariffs for the new commercial and industrial Electric Rate Schedules B-1, B-6, B-10, B-19, B-20 and SB, including Option S for Schedules B-19 and B-20 are provided as Attachment 1. Also provided in Attachment 1 are PG&E's applicable Electric Rules, Preliminary Statements and Forms that include references to these new Electric Rate Schedules.

For the convenience of the reader, where existing tariffs have been modified, PG&E has provided redline versions of the tariffs in Attachment 2 of this advice letter.

Protests

Anyone wishing to protest this submittal may do so by letter sent via U.S. mail, facsimile or E-mail, no later than September 30, 2019, which is 20 days 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

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 t, he 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

Pursuant to General Order 96-B, Industry Rule 5.1, PG&E requests that this Tier 1 advice submittal become effective November 1, 2019.

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 and the parties on the service list for A.16-06-013. 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

Attachment 1 – Pro forma Tariffs
Attachment 2 – Redline Tariffs

cc: Service List A.16-06-013

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 U39 E)

Utility type:
- [x] ELC
- [ ] GAS
- [ ] WATER
- [ ] PLC
- [ ] HEAT

Contact Person: Annie Ho
Phone #: (415) 973-8794
E-mail: PGETariffs@pge.com
E-mail Disposition Notice to: AMHP@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) #: 5626-E

Tier Designation: 1

Subject of AL: Implementation of the New Commercial and Industrial Rate Schedules with Later Peak Time-of-Use Hours Pursuant to Decision 18-08-013

Keywords (choose from CPUC listing): Compliance,

AL Type: [ ] Monthly [ ] Quarterly [ ] Annual [x] One-Time [ ] Other:

If AL submitted in compliance with a Commission order, indicate relevant Decision/Resolution #: D.18-08-013

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 [x] 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 [x] No

Requested effective date: 11/1/19

No. of tariff sheets: N/A

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: N/A

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: District of Columbia Zip: Telephone (xxx) xxx-xxxx: Facsimile (xxx) xxx-xxxx: Email:

Clear Form

Attachment 1

Pro Forma Tariffs

Pro forma Tariffs are shown in the following order

Pro Forma Forms
Pro Forma Preliminary Statement
Pro Forma Rates
Pro Forma Rules

Cal P.U.C. Sheet No.	Title of Sheet	Cancelling Cal P.U.C. Sheet No.
	Electric Sample Form No. 79-1010 Interconnection Agreement for Net Energy Metering of Fuel Cell Generating Facilities Sheet 1	41123-E
	Electric Sample Form No. 79-1039 Rate Schedule Selection Customer Agreement Sheet 1	42812-E
	Electric Sample Form No. 79-1048 Agreement for Unmetered Low Wattage Equipment Connected to Customer-Owned Street Light Facilities Sheet 1	32135-E
	Electric Sample Form No. 79-1048A Attachment A To Agreement for Unmetered Low Wattage Equipment Connected to Customer-Owned Street Light Facilities Sheet 1	32136-E
	Electric Sample Form No. 79-1050 Contract for Customer Provision of Physically Assured Load Reduction Sheet 1	33021-E
	Electric Sample Form No. 79-1069-02 Generating Facility Interconnection Agreement (Multiple Tariff NEM2MT) Sheet 1	41125-E
	Electric Sample Form No. 79-1078 Agreement for Unmetered Electric Service to Devices Connected to Pacific Gas and Electric Company's Street Light Facilities Sheet 1	33022-E
	Electric Sample Form No. 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 Sheet 1	32142-E
	ELECTRIC SAMPLE FORM 79-1111 OPTIMAL BILLING PERIOD SERVICE ELECTION FORM Sheet 1	43672-E
	ELECTRIC SAMPLE FORM 79-1131 NEMV APPLICATION AND INTERCONNECTION AGREEMENT FOR A SOLAR (PV) OR WIND GENERATING FACILITY OF 1 MW OR LESS Sheet 1	41128-E
	Electric Sample Form No. 79-1131-02 NEM2V Application and Interconnection Agreement for a Solar (PV) or Wind Generating Facility of 1 MW or Less Sheet 1	41129-E

Cal P.U.C. Sheet No.	Title of Sheet	Cancelling Cal P.U.C. Sheet No.
	ELECTRIC SAMPLE FORM 79-1142 NEMV INTERCONNECTION APPLICATION FOR A RENEWABLE ELECTRICAL GENERATION FACILITY OF 1 MEGAWATT OR LESS Sheet 1	41133-E
	ELECTRIC SAMPLE FORM 79-1151A AGREEMENT AND CUSTOMER AUTHORIZATION Net Energy Metering Interconnection For Solar And/Or Wind Electric Generating Facilities Of 30 Kilowatts Or Less Sheet 1	43279-E
	ELECTRIC SAMPLE FORM 79-1154 AGREEMENT FOR ECONOMIC DEVELOPMENT INCENTIVE ON ELECTRIC SERVICE Sheet 1	43024-E*
	ELECTRIC SAMPLE FORM 79-1159 ELECTRIC VEHICLE SUBMETERING PILOT (PHASE 1) CUSTOMER ENROLLMENT AGREEMENT Sheet 1	35265-E
	ELECTRIC SAMPLE FORM 79-1179 PLUG-IN ELECTRIC VEHICLE SUBMETERING PILOT PHASE 2 SINGLE CUSTOMER-OF-RECORD ENROLLMENT AGREEMENT Sheet 1	40155-E
	ELECTRIC SAMPLE FORM 79-1180 PLUG-IN ELECTRIC VEHICLE SUBMETERING PILOT PHASE 2 MULTIPLE CUSTOMER-OF-RECORD ENROLLMENT AGREEMENT Sheet 1	40156-E
	Electric Sample Form No. 79-1188 Special Agreement for Retail Storage Station Service for In Front of the Meter Applications Sheet 1	40237-E
	Electric Sample Form No. 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 Sheet 1	43282-E
	Electric Sample Form No. 79-1198-02 Interconnection Agreement for Net Energy Metering (NEM2) and Renewable Electrical Generating Facility Sized Greater than 1,000 kW Sheet 1	43942-E*

Cal P.U.C. Sheet No.	Title of Sheet	Cancelling Cal P.U.C. Sheet No.
	Electric Sample Form No. 79-285 Special Agreement for Electrical Standby Service Sheet 1	33177-E
	Electric Sample Form No. 79-726 Electric Standby Service Log Sheet Schedule S Sheet 1	32519-E
	Electric Sample Form No. 79-972 Agreement for Unmetered Electrical Service Sheet 1	32120-E
	Electric Sample Form No. 79-972A Attachment A to Agreement for Unmetered Services, Form 79-972 Sheet 1	32492-E
	ELECTRIC PRELIMINARY STATEMENT PART I RATE SCHEDULE SUMMARY Sheet 1	43913-E*
	ELECTRIC SCHEDULE B-1 SMALL GENERAL SERVICE Sheet 1	
	ELECTRIC SCHEDULE B-1 SMALL GENERAL SERVICE Sheet 2	
	ELECTRIC SCHEDULE B-1 SMALL GENERAL SERVICE Sheet 3	
	ELECTRIC SCHEDULE B-1 SMALL GENERAL SERVICE Sheet 4	
	ELECTRIC SCHEDULE B-1 SMALL GENERAL SERVICE Sheet 5	
	ELECTRIC SCHEDULE B-1 SMALL GENERAL SERVICE Sheet 6	
	ELECTRIC SCHEDULE B-10 MEDIUM GENERAL DEMAND-METERED SERVICE Sheet 1	
	ELECTRIC SCHEDULE B-10 MEDIUM GENERAL DEMAND-METERED SERVICE Sheet 2	
	ELECTRIC SCHEDULE B-10 MEDIUM GENERAL DEMAND-METERED SERVICE Sheet 3	

Cal P.U.C. Sheet No.	Title of Sheet	Cancelling Cal P.U.C. Sheet No.
	ELECTRIC SCHEDULE B-10 MEDIUM GENERAL DEMAND-METERED SERVICE Sheet 4	
	ELECTRIC SCHEDULE B-10 MEDIUM GENERAL DEMAND-METERED SERVICE Sheet 5	
	ELECTRIC SCHEDULE B-10 MEDIUM GENERAL DEMAND-METERED SERVICE Sheet 6	
	ELECTRIC SCHEDULE B-10 MEDIUM GENERAL DEMAND-METERED SERVICE Sheet 7	
	ELECTRIC SCHEDULE B-10 MEDIUM GENERAL DEMAND-METERED SERVICE Sheet 8	
	ELECTRIC SCHEDULE B-19 MEDIUM GENERAL DEMAND-METERED TOU SERVICE Sheet 1	
	ELECTRIC SCHEDULE B-19 MEDIUM GENERAL DEMAND-METERED TOU SERVICE Sheet 2	
	ELECTRIC SCHEDULE B-19 MEDIUM GENERAL DEMAND-METERED TOU SERVICE Sheet 3	
	ELECTRIC SCHEDULE B-19 MEDIUM GENERAL DEMAND-METERED TOU SERVICE Sheet 4	
	ELECTRIC SCHEDULE B-19 MEDIUM GENERAL DEMAND-METERED TOU SERVICE Sheet 5	
	ELECTRIC SCHEDULE B-19 MEDIUM GENERAL DEMAND-METERED TOU SERVICE Sheet 6	
	ELECTRIC SCHEDULE B-19 MEDIUM GENERAL DEMAND-METERED TOU SERVICE Sheet 7	
	ELECTRIC SCHEDULE B-19 MEDIUM GENERAL DEMAND-METERED TOU SERVICE Sheet 8	
	ELECTRIC SCHEDULE B-19 MEDIUM GENERAL DEMAND-METERED TOU SERVICE Sheet 9	

Cal P.U.C. Sheet No.	Title of Sheet	Cancelling Cal P.U.C. Sheet No.
	ELECTRIC SCHEDULE B-19 MEDIUM GENERAL DEMAND-METERED TOU SERVICE Sheet 10	
	ELECTRIC SCHEDULE B-19 MEDIUM GENERAL DEMAND-METERED TOU SERVICE Sheet 11	
	ELECTRIC SCHEDULE B-19 MEDIUM GENERAL DEMAND-METERED TOU SERVICE Sheet 12	
	ELECTRIC SCHEDULE B-19 MEDIUM GENERAL DEMAND-METERED TOU SERVICE Sheet 13	
	ELECTRIC SCHEDULE B-19 MEDIUM GENERAL DEMAND-METERED TOU SERVICE Sheet 14	
	ELECTRIC SCHEDULE B-19 MEDIUM GENERAL DEMAND-METERED TOU SERVICE Sheet 15	
	ELECTRIC SCHEDULE B-19 MEDIUM GENERAL DEMAND-METERED TOU SERVICE Sheet 16	
	ELECTRIC SCHEDULE B-19 MEDIUM GENERAL DEMAND-METERED TOU SERVICE Sheet 17	
	ELECTRIC SCHEDULE B-19 MEDIUM GENERAL DEMAND-METERED TOU SERVICE Sheet 18	
	ELECTRIC SCHEDULE B-19 MEDIUM GENERAL DEMAND-METERED TOU SERVICE Sheet 19	
	ELECTRIC SCHEDULE B-19 MEDIUM GENERAL DEMAND-METERED TOU SERVICE Sheet 20	
	ELECTRIC SCHEDULE B-19 MEDIUM GENERAL DEMAND-METERED TOU SERVICE Sheet 21	
	ELECTRIC SCHEDULE B-20 SERVICE TO CUSTOMERS WITH MAXIMUM DEMANDS of 1000 KILOWATTS or MORE Sheet 1	

Cal P.U.C. Sheet No.	Title of Sheet	Cancelling Cal P.U.C. Sheet No.
	ELECTRIC SCHEDULE B-20 SERVICE TO CUSTOMERS WITH MAXIMUM DEMANDS of 1000 KILOWATTS or MORE Sheet 2	
	ELECTRIC SCHEDULE B-20 SERVICE TO CUSTOMERS WITH MAXIMUM DEMANDS of 1000 KILOWATTS or MORE Sheet 3	
	ELECTRIC SCHEDULE B-20 SERVICE TO CUSTOMERS WITH MAXIMUM DEMANDS of 1000 KILOWATTS or MORE Sheet 4	
	ELECTRIC SCHEDULE B-20 SERVICE TO CUSTOMERS WITH MAXIMUM DEMANDS of 1000 KILOWATTS or MORE Sheet 5	
	ELECTRIC SCHEDULE B-20 SERVICE TO CUSTOMERS WITH MAXIMUM DEMANDS of 1000 KILOWATTS or MORE Sheet 6	
	ELECTRIC SCHEDULE B-20 SERVICE TO CUSTOMERS WITH MAXIMUM DEMANDS of 1000 KILOWATTS or MORE Sheet 7	
	ELECTRIC SCHEDULE B-20 SERVICE TO CUSTOMERS WITH MAXIMUM DEMANDS of 1000 KILOWATTS or MORE Sheet 8	
	ELECTRIC SCHEDULE B-20 SERVICE TO CUSTOMERS WITH MAXIMUM DEMANDS of 1000 KILOWATTS or MORE Sheet 9	
	ELECTRIC SCHEDULE B-20 SERVICE TO CUSTOMERS WITH MAXIMUM DEMANDS of 1000 KILOWATTS or MORE Sheet 10	
	ELECTRIC SCHEDULE B-20 SERVICE TO CUSTOMERS WITH MAXIMUM DEMANDS of 1000 KILOWATTS or MORE Sheet 11	
	ELECTRIC SCHEDULE B-20 SERVICE TO CUSTOMERS WITH MAXIMUM DEMANDS of 1000 KILOWATTS or MORE Sheet 12	

Cal P.U.C. Sheet No.	Title of Sheet	Cancelling Cal P.U.C. Sheet No.
	ELECTRIC SCHEDULE B-20 SERVICE TO CUSTOMERS WITH MAXIMUM DEMANDS of 1000 KILOWATTS or MORE Sheet 13	
	ELECTRIC SCHEDULE B-20 SERVICE TO CUSTOMERS WITH MAXIMUM DEMANDS of 1000 KILOWATTS or MORE Sheet 14	
	ELECTRIC SCHEDULE B-20 SERVICE TO CUSTOMERS WITH MAXIMUM DEMANDS of 1000 KILOWATTS or MORE Sheet 15	
	ELECTRIC SCHEDULE B-20 SERVICE TO CUSTOMERS WITH MAXIMUM DEMANDS of 1000 KILOWATTS or MORE Sheet 16	
	ELECTRIC SCHEDULE B-20 SERVICE TO CUSTOMERS WITH MAXIMUM DEMANDS of 1000 KILOWATTS or MORE Sheet 17	
	ELECTRIC SCHEDULE B-20 SERVICE TO CUSTOMERS WITH MAXIMUM DEMANDS of 1000 KILOWATTS or MORE Sheet 18	
	ELECTRIC SCHEDULE B-20 SERVICE TO CUSTOMERS WITH MAXIMUM DEMANDS of 1000 KILOWATTS or MORE Sheet 19	
	ELECTRIC SCHEDULE B-20 SERVICE TO CUSTOMERS WITH MAXIMUM DEMANDS of 1000 KILOWATTS or MORE Sheet 20	
	ELECTRIC SCHEDULE B-6 SMALL GENERAL TIME-OF-USE SERVICE Sheet 1	
	ELECTRIC SCHEDULE B-6 SMALL GENERAL TIME-OF-USE SERVICE Sheet 2	
	ELECTRIC SCHEDULE B-6 SMALL GENERAL TIME-OF-USE SERVICE Sheet 3	
	ELECTRIC SCHEDULE B-6 SMALL GENERAL TIME-OF-USE SERVICE Sheet 4	

Cal P.U.C. Sheet No.	Title of Sheet	Cancelling Cal P.U.C. Sheet No.
	ELECTRIC SCHEDULE B-6 SMALL GENERAL TIME-OF-USE SERVICE Sheet 5	
	ELECTRIC SCHEDULE B-6 SMALL GENERAL TIME-OF-USE SERVICE Sheet 6	
	ELECTRIC SCHEDULE SB STANDBY SERVICE Sheet 1	
	ELECTRIC SCHEDULE SB STANDBY SERVICE Sheet 2	
	ELECTRIC SCHEDULE SB STANDBY SERVICE Sheet 3	
	ELECTRIC SCHEDULE SB STANDBY SERVICE Sheet 4	
	ELECTRIC SCHEDULE SB STANDBY SERVICE Sheet 5	
	ELECTRIC SCHEDULE SB STANDBY SERVICE Sheet 6	
	ELECTRIC SCHEDULE SB STANDBY SERVICE Sheet 7	
	ELECTRIC SCHEDULE SB STANDBY SERVICE Sheet 8	
	ELECTRIC SCHEDULE SB STANDBY SERVICE Sheet 9	
	ELECTRIC SCHEDULE SB STANDBY SERVICE Sheet 10	
	ELECTRIC SCHEDULE SB STANDBY SERVICE Sheet 11	
	ELECTRIC SCHEDULE SB STANDBY SERVICE Sheet 12	

Cal P.U.C. Sheet No.	Title of Sheet	Cancelling Cal P.U.C. Sheet No.
	ELECTRIC SCHEDULE SB STANDBY SERVICE Sheet 13	
	ELECTRIC SCHEDULE SB STANDBY SERVICE Sheet 14	
	ELECTRIC SCHEDULE SB STANDBY SERVICE Sheet 15	
	ELECTRIC SCHEDULE SB STANDBY SERVICE Sheet 16	
	ELECTRIC SCHEDULE SB STANDBY SERVICE Sheet 17	
	ELECTRIC RULE NO. 1 DEFINITIONS Sheet 4	41425-E
	ELECTRIC RULE NO. 1 DEFINITIONS Sheet 31	43907-E
	ELECTRIC RULE NO. 9 RENDERING AND PAYMENT OF BILLS Sheet 4	40161-E

Electric Sample Form No. 79-1010 Sheet 1
Interconnection Agreement for Net Energy Metering of Fuel Cell Generating Facilities

Please Refer to Attached
Sample Form

DISTRIBUTION:

☐ XXXX
☐ XXXX
☐ XXXX
☐ XXXX
☐ _____

REFERENCE:

_____
_____
_____
_____
_____

INTERCONNECTION AGREEMENT FOR NET ENERGY METERING OF FUEL CELL GENERATING FACILITIES

This *"Interconnection Agreement for Net Energy Metering of Fuel Cell Generating Facilities"* ("Agreement") is entered into by and between _____ ("Fuel Cell Customer-Generator"), and Pacific Gas and Electric Company ("PG&E"), a California Corporation. Fuel Cell 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 Fuel Cell Customer-Generator to interconnect and operate an Eligible Fuel Cell Electrical 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 Fuel Cell Customer-Generator's Generating Facility. Fuel Cell Customer-Generator's Generating Facility is intended primarily to offset part or all of the Fuel Cell Customer-Generator's own electrical requirements. Consistent with, and in order to effectuate, the provisions of Section 2827.10 of the California Public Utilities Code and PG&E's electric rate Schedule NEMFC ("NEMFC"), Parties enter into this Agreement. This Agreement applies to the Fuel Cell 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 FUEL CELL 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 Fuel Cell Customer-Generator's Eligible Fuel Cell Electrical Generating Facility and loads are interconnected with PG&E's Distribution System, are attached to, and made a part of this Agreement. (This description is supplied by Fuel Cell Customer-Generator as Appendix A).

2.2 Generating Facility identification number: _____ (Assigned by PG&E).

2.3 Fuel Cell 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 Eligible Fuel Cell Electrical 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 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.

2.9 Fuel Cell 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 that are specifically incorporated herein and made a part of this Agreement.

Appendix A *Description of Generating Facility and Single-Line Diagram* (Supplied by Fuel Cell Customer-Generator)

Appendix B 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 C *Fuel Cell Customer-Generator's warranty that it meets the Requirements of an Eligible Fuel Cell Customer-Generator.*

Appendix D *NEMFC Customer Agreement Starting January 1, 2017 Until California Air Resources Board Emission Standard is Established.*

In addition PG&E Electric Tariff Rules and Rates, including but not limited to Electric Rules 2, 14, 15, 16, and 21, Schedule NEMFC and Fuel Cell Customer-Generator's otherwise applicable rate schedule, available at PG&E's web-site 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 Rule 21, Section C, or in Schedule NEMFC.

4. CUSTOMER BILLING AND PAYMENT OPTIONS

Fuel Cell Customer-Generator initially selects PG&E's electric rate schedule referenced in Section 2.9 of this Agreement as its otherwise-applicable rate schedule. Fuel Cell Customer-Generator understands that they will be billed according to Schedule NEMFC.

5. TERM AND TERMINATION

5.1 This Agreement shall become effective as of the last date entered in Section 18, below, which shall be no later than December 31, 2013. 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 Fuel Cell Customer-

Generator'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 Fuel Cell Customer-Generator or PG&E provides written Notice pursuant to Section 11 below to the other Party of Fuel Cell Customer-Generator's or PG&E's intent to terminate this Agreement.

(d) The end of the operating life of the eligible fuel cell electrical generating facility.

5.2 Fuel Cell 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, 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) Fuel Cell Customer-Generator fails to take all corrective actions specified in PG&E's Notice that Fuel Cell 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) Fuel Cell Customer-Generator fails to interconnect and operate the Generating Facility per the terms of this Agreement prior to December 31, 2021; or,

(d) Fuel Cell 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 non-operational and Fuel Cell Customer-Generator does not provide a substantive response to PG&E's Notice of its intent to terminate this Agreement as a result of Fuel Cell Customer-Generator's apparent abandonment of the Generating Facility affirming Fuel Cell Customer-Generator's intent and ability to continue to operate the Generating Facility; or,

(e) Fuel Cell Customer-Generators 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 Fuel Cell Customer-Generator's 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 Public Utilities Commission regarding safety and reliability.

6.2 Fuel Cell Customer-Generator shall: (a) maintain the 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 Facility and interconnection facilities. Fuel Cell Customer-Generator shall reimburse PG&E for any and all losses, damages, claims, penalties, or liability it incurs as a result of Fuel Cell Customer-Generator's failure to obtain or maintain any governmental authorizations and permits required for construction and operation of Fuel Cell Customer-Generator's Facility.

6.3 Fuel Cell Customer-Generator shall not commence parallel operation of the Facility until PG&E has provided written approval to the Fuel Cell Customer-Generator to do so. No such approval shall be provided until at least ten (10) working days following the utility's receipt of the inspection clearance of the governmental authority having jurisdiction. Such approval shall not be unreasonably withheld. PG&E shall have the right to have representatives present at the initial testing of Fuel Cell Customer-Generator's protective apparatus. Fuel Cell Customer-Generator shall notify the utility five (5) working days prior to the initial testing.

6.4 The Fuel Cell Customer-Generator warrants that they are the recipient of local, state, or federal funds; or they self-finance pilot projects designed to encourage the development of eligible Fuel Cell electrical generating facilities.

6.5 The Fuel Cell Customer-Generator warrants that pursuant to section 2827.10 (a)(2), of the California Public Utilities Code, it meets the definition of an "Eligible fuel cell electrical generating facility" and its facility includes the following:

(a) Integrated power plant systems containing a stack, tubular array, or other functionally similar configuration used to electrochemically convert fuel to electric energy.

(b) An inverter and fuel processing system where necessary.

(c) Other plant equipment, including heat recovery equipment, necessary to support the plant's operation or its energy conversion.

6.6 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.)

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[1] 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.

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

7. INTERCONNECTION FACILITIES

7.1 Fuel Cell 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 Fuel Cell Customer-Generator's Generating Facility.

7.2 Fuel Cell Customer-Generator shall be solely responsible for the costs, design, purchase, construction, operation, and maintenance of the Interconnection Facilities that Fuel Cell 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, requires PG&E to own and operate a portion of the Interconnection Facilities, Fuel Cell 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

[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 Customer-Generator final inspection clearance from the governmental authority having jurisdiction over the generating system.

of any kind whatsoever.

9. INSURANCE

9.1 In connection with Customer-Generator's performance of its duties and obligations under this Agreement, Customer-Generator 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.

(e) Such 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."

9.2 The general liability insurance required in this Section 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.

9.3 If Fuel Cell Customer-Generator's Generating Facility is connected to an account receiving residential service from PG&E and the requirement of Section 9.2(a) prevents Fuel Cell Customer-Generator from obtaining the insurance required in this Section, then upon Fuel Cell Customer-Generator's written Notice to PG&E in accordance with Section 11.1, the requirements of Section 9.2(a) shall be waived.

9.4 Evidence of the insurance required in Section 9.2 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.

9.5 Fuel Cell Customer-Generator 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.

9.6 If Fuel Cell Customer-Generator is self-insured with an established record of self-insurance, Fuel Cell Customer-Generator may comply with the following in lieu of Section 9.2:

(a) Fuel Cell Customer-Generator 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 9.1.

(b) If Fuel Cell Customer-Generator ceases to self-insure to the level required hereunder, or if Fuel Cell Customer-Generator is unable to provide continuing evidence of Fuel Cell Customer-Generator's ability to self-insure, Fuel Cell Customer-Generator agrees to immediately obtain the coverage required under Section 9.1.

9.7 All insurance certificates, statements of self insurance, endorsements, cancellations, terminations, alterations, and material changes of such insurance shall be issued and submitted 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 Fuel Cell Customer-Generator fails to comply with the insurance provisions of this Agreement, Fuel Cell 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 Fuel Cell 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 Fuel Cell 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: Business Customer Services
P.O. Box 770000
Mail Code B19H
San Francisco, California 94177
Phone: (800) 468-4743 FAX: (415) 972-5309

If to Fuel Cell Customer-Generator:

Fuel Cell 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 Fuel Cell Customer-Generator's operations and maintenance records, logs, or other information such as, Generation Unit availability, maintenance outages, circuit breaker operation requiring manual reset, relay targets and unusual events pertaining to Fuel Cell Customer-Generator's Generating Facility or its interconnection with PG&E's Distribution System.

12.2 Fuel Cell Customer-Generator authorizes to release to the California Energy Commission (CEC) information regarding Fuel Cell Customer-Generator'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

Fuel Cell 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 Fuel Cell Customer-Generator makes without PG&E's written consent shall not be valid. PG&E shall not unreasonably withhold its consent to Fuel Cell 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 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.

This agreement is effective when accepted and executed by PG&E.

	PACIFIC GAS AND ELECTRIC COMPANY
Fuel Cell 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 Fuel Cell Customer-Generator)

APPENDIX B

(If Applicable)

RULE 21 “SPECIAL FACILITIES” AGREEMENT
(Formed between the Parties)

APPENDIX C

FUEL CELL CUSTOMER-GENERATOR'S WARRANTY THAT IT MEETS THE REQUIREMENTS FOR AN ELIGIBLE FUEL CELL CUSTOMER-GENERATOR AND THE GENERATING FACILITY IS AN ELIGIBLE FUEL CELL ELECTRICAL GENERATING FACILITY PURSUANT TO SECTION 2827.10 OF THE CALIFORNIA PUBLIC UTILITIES CODE

Fuel Cell Customer-Generator has declared that it meets the requirements for an Eligible Fuel Cell customer-generator and the Generating Facility meets the requirements of an "Eligible Fuel Cell Electrical Generating Facility", as defined section 2827.10 of the California Public Utilities Code. ("Eligibility Requirements")

Fuel Cell Customer-Generator warrants that, beginning on the date of Initial Operation and continuing throughout the term of this Agreement, Fuel Cell Customer-Generator and the Generating Facility shall continue to meet the Eligibility Requirements. If Fuel Cell Customer-Generator or the Generating Facility ceases to meet the Eligibility Requirements, Fuel Cell 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, in its sole discretion, that Fuel Cell Customer-Generator or Generating Facility may no longer meet the Eligibility Requirements, PG&E may require Fuel Cell Customer-Generator to provide evidence, that Fuel Cell 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 Fuel Cell Customer-Generator to monitor the Generating Facility's compliance with the Eligibility Requirements. If PG&E determines in its sole judgment that Fuel Cell 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 Fuel Cell Customer-Generator a gain demonstrates to PG&E's reasonable satisfaction that Fuel Cell Customer-Generator meets the requirements for an Eligible Fuel Cell customer–generator and/or the Generating Facility meets the requirements for a Eligible Fuel Cell 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 Fuel Cell 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 Fuel Cell Customer-Generator and/or Generating Facility first ceased to meet the Eligibility Requirements. PG&E shall invoice the Fuel Cell 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 Fuel Cell Customer-Generator's representations that Fuel Cell 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 NEMFC, Net Energy Metering Service for NEMFC Customer-Generators.

Any amounts to be paid or refunded by Fuel Cell 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 Fuel Cell Customer-Generator's receipt of such invoice.

Fuel Cell Customer-Generator's Initials _____

APPENDIX D

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 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. 79-1039 Sheet 1
Rate Schedule Selection Customer Agreement

Please Refer to Attached
Sample Form

Pacific Gas and Electric Company

RATE SCHEDULE SELECTION CUSTOMER AGREEMENT

I wish to be billed under the optional rate schedule(s) as listed. I agree to the terms and conditions as described in the rate schedule tariff and as follows:

- I hereby grant to PG&E, its employees, agents or contractors, reasonable access at reasonable times to install, remove, repair and inspect the metering equipment.
- I understand that I can only change my rate schedule in accordance with Electric Rule 12.
- The chosen rate schedule will commence on the next regular meter reading date or meter installation or reprogramming date following PG&E's receipt of Rate Schedule Selection Customer Agreement.

STEP 1: SELECT YOUR DESIRED RATE SCHEDULE

Please provide information for each Service Agreement and meter for which you are seeking a rate change (see sample on page 2 for assistance). Descriptions of rate options and tariffs can be found at www.pge.com/rateoptions and www.pge.com/tariffs. Information about rate options and copies of rate schedule tariffs are also available upon request by calling 1-800-743-5000.

Rate Selection

- For Gas Rate Selection Complete Shaded Area Only
- For Electric Rate Selection Complete All Applicable Area

						Peak Day Pricing (PDP) Program Options			
				AG Only		Select Capacity Reservation Level		Select Event Frequency	
Service Agreement (Service ID#)	Meter #	Desired Rate	Business Description	Single Motor HP	Multi-Motor HP	Elect kW Value	Default	Unlimited	Alternate

STEP 2: SIGN BELOW AND PROVIDE REQUIRED CONTACT INFORMATION

I am requesting the above rate schedule selection(s) and agree to the terms and conditions as outlined in Page 1 of this agreement and in the tariffs.

Customer or Authorized Agent:

(Signature)	(Telephone Number)
(Print Name)	(Name on Account)
(Title)	(Mailing Street Address)
(Date)	(Mailing City, State, ZIP)

STEP 3: MAIL COMPLETED FORM TO PG&E

Please return signed form to: Pacific Gas And Electric Company, PO Box 8329, Stockton CA 95208-0329

Pacific Gas and Electric Company

RATE SCHEDULE SELECTION CUSTOMER AGREEMENT

SAMPLE RATE SELECTION – FOR REFERENCE ONLY

- For Gas Rate Selection Complete Shaded Area Only
- For Electric Rate Selection Complete All Applicable Area

						Peak Day Pricing (PDP) Program Options			
				AG Only[3]		Select Capacity Reservation Level[4]		Select Event Frequency[5]	
Service Agreement (Service ID#)	Meter #	Desired Rate	Business Description[2]	Single Motor HP	Multi-Motor HP	Elect kW Value	Default	Unlimited	Alternate
1234567890	1001234567	B-10	Title Office						
0987654321	1001234568	B-1	Retail Furniture Store					X	
4567891234	1001567890	AG 4A	Irrigation Field Pump	10					
7890123456	1002345678	GNR-1[1]	House Meter –Swimming Pool						

Notes:

1. For Gas Rate Selection complete first four columns only (Service Agreement, Meter #, Desired Rate & Business Description).

2. Describe what each meter serves (e.g., Pasture Flood Irrigation, Retail Clothing Store, House).

3. Agricultural (AG) Rates Schedules only
   a. For single motor installations, list the horsepower rating of the motor associated with the meter
   b. For multi-motor loads, list the total horsepower rating of all of the motors associated with the meter.

4. Capacity Reservation Level: Level of capacity (kW) excluded from PDP participation.
   a. Schedules E-19, E-20, and AG-5: Customer Defined or Default (equal to 50% of the customer's average maximum peak-period demand over the previous 6 summer months).

5. Event Frequency: Frequency of participation in an event.
   a. Applies only to Schedules A-1TOU (A-1X), A-6, A-10TOU & AG-4: Unlimited (every event) or Alternate (every other event)
   b. Applies only to Schedules E-19, E-20 & AG-5: Unlimited only.

6. 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.

Electric Sample Form No. 79-1048 Sheet 1

Agreement for Unmetered Low Wattage Equipment Connected to Customer-Owned Street Light Facilities

Please Refer to Attached Sample Form

Pacific Gas and Electric Company

DISTRIBUTION

- ☐ Customer
- ☐ Division,
- ☐ Records Processing (Original)

REFERENCES

PM#:_____

BD#:_____

SA#:_____

AGREEMENT FOR UNMETERED LOW WATTAGE EQUIPMENT CONNECTED TO CUSTOMER-OWNED STREET LIGHT FACILITIES

This Agreement for Unmetered Low Wattage Equipment Connected to Customer-Owned Street Light Facilities ("Agreement") between (the "Customer") and Pacific Gas and Electric Company (the "Company") is to establish and govern the provisions of unmetered electric service provided by the Company for such low wattage equipment described in the Attachment A to this Agreement.

A. WHEREAS, such low wattage equipment will be owned operated and/or maintained either by Customer or by a third party acting on Customer's behalf or by third party having a business relationship with the Customer; and

B. WHEREAS, Customer intends to attach and energize such equipment to Customer-Owned street light facilities at various locations in its jurisdiction and within the Company's service territory, with the exception of Series street light circuits served above 480 volts; and

C. WHEREAS, in the Company's opinion, it would be impractical to install electric meters at the requested locations and for such equipment installed subject to this Agreement; and

D. WHEREAS, the consumption of electricity at such locations and for such equipment can be reasonably determined from Manufacturer's specifications and operating characteristics of the Customer where the load is 24 hour constant and of one hundred fifty (150) watts or less rated or average consumption on any one street light circuit; and

E. WHEREAS, pursuant to the Company's Electric Preliminary Statement Part A.6.a, Customer and the Company agree that, in lieu of installing meters at each location, the Company shall provide unmetered electric service for Customer's equipment in accordance with the following terms and conditions.

NOW, THEREFORE, in consideration of the terms, and covenants contained herein, Customer and Company hereby agree as follows:

1. Customer's use of the street light facilities and the equipment that is the subject of this Agreement are identified in the data sheets set forth in Attachment A (the "Equipment"). The Equipment will be installed by Customer on Customer-owned street light facilities with an energy connection on the Customer-owned street light or circuit wire. Each location will be grouped in a specific account, separate from the street light account, identified by either the city or unincorporated county where the Equipment is located for proper billing and accounting. The energy account will be billed on the Company's regular monthly billing cycle for unmetered loads. Billing of fixed usage shall be at the amount indicated in Paragraph 2.

2. Each piece of Equipment will be billed on Schedule A-1 or B-1- Small General Service with an appropriate single customer charge for the grouped account.

   a. Customer shall provide the Company with the Manufacturer's documentation on Equipment rating, documented average consumption and other information necessary to for Company to determine applicability to this Agreement prior to

installation of Equipment. Attachment A documents the specific Equipment and the kilowatt hours (kWh) to be billed at each location.

3. The Energy charge is based on the monthly kWh calculated from the documentation provided by the customer based on watt rating, multiplied by 731 hours per month (for 24-hour continuous usage).

4. Pursuant to Section D of the Company's electric Rule 3, Customer shall furnish the Company with information, in a format acceptable to the Company, which verifies the number and location of all Equipment at each service location and reflecting the net result of any installations and removals. The information to be reported is described in Attachment B. The information shall be provided initially ten (10) days after the first month of installations and on the first business day of January, April, July and October thereafter. Each piece of Equipment shall be marked with its own identifying number or code acceptable for input into Company's billing system. Equipment ownership shall be identifiable from the ground for auditing purposes. The Company may require that Customer, at the Customer's sole expense, affix or install a Radio Frequency Identification Device (RFID), specified or provided by the Company, for inventory verification purposes.

5. If it is determined that electrical load is connected that has not been accurately reported to the Company by Customer, such load will be billed in accordance with electric Rules 17, 17.1, and 17.2 as applicable, and Customer shall pay the otherwise full applicable tariff charges for such electrical load, calculated in accordance with Paragraph 3, above. The Company reserves the right to field or bench test Equipment to verify the inputs described in documentation provided in Paragraph 2.a, above.

6. Auditing may be conducted at the Company's sole discretion. Auditing may commence following the first anniversary of the effective date of this Agreement (as defined below). The audit will be conducted by an independent auditor selected by the Company. The cost of the audit shall be at the sole expense of the Customer. Customer will provide a complete and accurate inventory and other information as required in Paragraph 4 and in Attachment B. Customer shall provide access to the Equipment and provide assistance to the Company and its auditor to accomplish the audit, including, without limitation, identifying, locating and accessing the Equipment. The Company shall have the right to collect all costs associated with any additional work, including but not limited to, field verification or auditing of devices, bench testing, field amp reads, calculations of loads not required with meter reads, that would otherwise not be incurred in serving metered facilities.

7. Customer acknowledges that in the event that Customer arranges for a third party to manage the energy bill payment for this Agreement or authorizes the attachment of the Equipment owned or maintained by a third party, Customer remains ultimately responsible for energy payment and other conditions of this Agreement as the owner of the unmetered street light or street light circuit providing power to the unmetered Equipment connected under this Agreement. The absence of a meter does not relieve this responsibility for energy connections on the Customer's unmetered street light or street light circuit. In addition, Customer acknowledges that any interruptions in service caused by operation of the Customer's street light or street light circuit are not the responsibility of the Company. Under the Company's Approved Tariffs, Company is responsible up to the Service Delivery point for the Customer's street light system.

8. Neither this Agreement nor conditions of electric service hereunder shall constitute permission or authorization for any use or occupation of the Company's facilities or facilities of any third party by Customer.

9. Except as specifically provided otherwise herein, service furnished in accordance with this Agreement shall be subject to Company's applicable tariffs on file with the California Public Utilities Commission ("Commission"). This Agreement shall at times be subject to changes or modification by the Commission as said Commission may, from time, to time direct in the exercise of its jurisdiction.

10. The Equipment subject to this Agreement shall be installed, maintained and operated at all times in accordance with all applicable laws, rules and regulations of any governmental authority with jurisdiction, including Commission's General Order 95 (collectively "Laws"). Customer shall be responsible to correct all identified violations of Laws and all identified deviations from Company design standards or requirements. Where the Company makes corrections, Customer shall be responsible for all costs for the Company to remedy any notices of violation or infractions imposed on the Company as a result of the Customer's installation or operation of the Equipment, including, without limitation, any infractions under the Commission's General Order 95. Except when otherwise required by the Laws or in the event that the Company determines that the violation, deviation or infraction caused by the Equipment poses a threat to the public or utility worker(s) or that the installed Equipment adversely impacts service reliability, asset life or the safe operation of Company facilities, prior to the Company remedying such violation, deviation or infraction, the Company will give the Customer written notice and the opportunity to remedy the same. If the Customer fails to correct the violation, deviation or infraction within thirty (30) days of such notice, the Company may, but shall not be obligated to, remedy such violation, deviation or infraction.

11. Where the Company determines that the Equipment loads require changes to Company's serving facilities, or where rearrangements are required as a result of the added loads, all such modifications must be performed prior to connection of the Equipment and Customer shall be responsible for all costs associated with the work. Customer shall be financially responsible for any damage to Company facilities resulting from Equipment loads added prior to completion of any required work. Either the Company or Customer may determine that facility modifications are not practical or cost effective for specific locations, in which case service will be provided under Company's approved Tariffs and either an Agreement for Unmetered Electrical Service, form 79-972, or metering may be required.

12. This Agreement shall remain in effect until terminated. This Agreement may be terminated upon forty-five (45) days prior written notice: a) by either party, which shall result in termination of service; or b) by Company upon Customer's default of any of the stated terms, agreements, covenants, conditions and provisions of this Agreement or non-conformance with Company's other applicable tariffs. Any notice for termination of this Agreement for default shall specify the nature of the default. Customer may utilize the forty-five (45) days from issuance of such notice to cure the specified default (or in the event of a default which requires in excess of forty-five (45) days to cure, such additional time as is approved in writing by the Company). Timely cure of a specified default will avoid termination for that default. Customer expressly acknowledges that the Company shall not be liable for any costs, expenses, damages, claims or the like caused by or arising out of the Company's termination of this Agreement, including but not limited to any rearrangement, relocation, removal or disconnection expenses. Company may continue to provide service to Customer's Equipment provided that a) a subsequent

executed superseding agreement governing the terms of unmetered service has gone into effect prior to the termination of this Agreement; or b) a meter has been installed and the service has been transferred to metered status

13. The Company may at a later date, upon ninety (90) days prior written notice, require metering of new, existing, additional, rearranged or relocated equipment that would otherwise register on its metering devices with then available practical technology, and decline to provide or continue providing unmetered service.

14. Nothing in this Agreement shall preclude the Company from requesting authority from the Commission to implement an electric tariff for unmetered service. If an unmetered electric service tariff is approved for the Company, it shall apply to Customer's installations under this Agreement.

15. The Company is authorized to modify the form of Attachment A and B at its sole discretion and at any time require additional reasonable information from Customer for the purpose of this Agreement, including without limitation, accurate data concerning equipment, maintaining accurate records, and promoting accurate and efficient billing.

16. All notices required herein shall be given in writing and delivered personally, by United States Postal Service or other nationally recognized courier service to the appropriate address below. Addresses may be changed by the Company or Customer as business needs change.

Customer: _____	**Pacific Gas and Electric Company**
Address: _____	Billing Revenue & Records
_____	P.O. Box 8239
_____	Stockton, CA 95208
Attention: _____	Attn. Unmetered Electric Usage

Customer's bill shall be mailed to the address listed below.

Billing Name: _____

Address: _____

_____

Attention:_____

17. The waiver by either Party of any default in the performance, or failure to insist on strict performance, by the other or any covenant or condition contained herein shall not be construed to be a waiver of any preceding or subsequent default of the same or any other covenant contained herein.

18. Customer may, with the Company's written consent, assign this Agreement if the assignee 1) acquires all of Customer's interest in the Equipment and the associated street light facilities; and 2) agrees in writing to perform Customer's obligations. Such

assignment will be deemed to include, unless otherwise specified therein, all of the Customer's rights to any refunds which might become due upon discontinuance of service contracted. Customer remains liable for any charges until such time this Agreement is terminated or assigned.

19. Upon termination of this Agreement, Customer shall promptly remove or disconnect its Equipment from the street light facilities. Should Customer fail to disconnect or remove its Equipment from the streetlight facilities within one hundred and twenty (120) days of the termination date, the Company shall have the right to bill for energy to such Equipment in accordance with electric Rules 17, 17.1, and 17.2 as applicable, and Customer shall pay the standard applicable charges for such electrical load, calculated in accordance with Paragraphs 2 and 3, above. Continued energy use beyond the termination date is a violation of Company's tariffs as approved by the Commission.

20. Customer shall indemnify and hold harmless Company, its officers, agents and employees, against all loss, damage, expense and liability resulting from injury to or death of any person, including but not limited to employees of Company, Customer or any third party, or from loss, destruction or damage to property, including but not limited to property of Company, Customer, or any third party, arising out of or in any way connected with the performance of this Agreement, however caused, except to the extent caused by the active negligence or willful misconduct of Company, its officers, agents and employees. Customer will, on Company's request, defend any suit asserting a claim covered by this indemnity. Customer will pay all costs that may be incurred by Company in enforcing this indemnity, including reasonable attorneys' fees.

21. This Agreement shall supersede existing letters of understanding, agreements and contracts, whether verbal or written, for the provision of unmetered services to the Equipment.

APPROVED:

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

Electric Sample Form No. 79-1048A Sheet 1

Attachment A To Agreement for Unmetered Low Wattage Equipment Connected to Customer-Owned Street Light Facilities

Please Refer to Attached Sample Form

DISTRIBUTION:
- ☐ Customer
- ☐ CRT
- ☐ Divisions
- ☐ GO Svc Planning

Date Of Agreement: _____

Date of this Attachment: _____

ATTACHMENT A
TO AGREEMENT FOR UNMETERED LOW WATTAGE EQUIPMENT CONNECTED TO CUSTOMER- OWNED STREET LIGHT FACILITIES

Applicant: _____
Address: _____
_____

Billing Name: _____
Billing Address: _____
(if different from mailing) _____

Equipment billing information (to be completed by Pacific Gas and Electric Company)

Manufacture/Model or Series: _____

Equipment Type* _____
**Use only one Attachment A per Equipment type*

Basic calculation for monthly kilowatt-hour (kWh) rounded to the nearest whole kWh for billing
((Nominal voltage x Amps) / 1000) x hours of operations

Adjust Amps as needed when Average Documented Consumption is used in place of full rated amps for proper kWh billing

Rate Schedule	**Nominal Volts**	**Amps**	**Operating Hours**	kWh/Month Billing
A-1 or B-1			8760	0

Applicant must provide the following:
- Equipment model, type and unit identification number.
- Input ratings in amps, nominal volts or documented average consumption.

Additional documentation and attachments as required by Pacific Gas and Electric Company:
- Pursuant to paragraphs 2a and 4 of the Agreement, for billing reporting, information required includes, but is not limited to:
  - Equipment location (e.g. Street light number, GPS coordinate or other acceptable identification).
  - Notification of changes in equipment operation and efficiency factors.
  - Notification of tax exemption which apply to the provisions of service under this Agreement.

Provide the following when requesting service through PG&E local office
- A copy of the Agreement and Attachment for Unmetered Services.
- Necessary information to complete a Electric Rule 3 request for service if required.
- Equipment model, type and unit identification number.

Electric Sample Form No. 79-1050 Sheet 1
Contract for Customer Provision of Physically Assured Load Reduction

Please Refer to Attached
Sample Form

CONTRACT FOR CUSTOMER PROVISION OF PHYSICALLY ASSURED LOAD REDUCTION

Pacific Gas and Electric Company hereinafter referred to as "PG&E" and _____, hereinafter referred to as “Customer” (collectively referred to as “Parties” or separately as the "Party").

1. RECITALS

WHEREAS, PG&E and Customer desire to enter into a contract for the provision of electric distribution service wherein the Customer will provide for physically assured load reduction (“Load Reduction”) based on either the availability of the installed capacity (the “Capacity”) of a distributed generation facility (“DG”) at the Customer’s site(s) or by Load Reduction if the full Capacity is unavailable.

NOW, THEREFORE, THE PARTIES AGREE AS FOLLOWS:

2. APPLICABILITY

The rates set forth in this Contract shall apply only to PG&E's electric distribution rates and reservation charges for service to Customer located at _____, City/County of_____. This Contract shall be applicable to those customers that can provide physical assurance for Load Reduction at any time the Customer’s DG is not operating at full Capacity. An equal amount of Customer load to the DG capacity would be interrupted to prevent adverse consequences to the distribution system and to other customers.

3. TERM AND TERMINATION

3.1 Term

The initial term of this Agreement shall be for a period of one (1) year from the date the standby service under this Agreement is first made available to Customer as such date is established in PG&E's records and shall continue thereafter from year to year. This Contract shall become effective on _____; provided, however, the rates set forth in Section 4 hereof shall not be effective until Customer can provide for physically assured load reduction as defined in Section 5.1 hereof.

3.2 Termination

Either party may terminate this Contract at the end of each one (1) year term by providing notice in accordance with Section 11.2. Such notice shall provide PG&E enough time to design and install any necessary distribution system upgrades to accommodate the additional load, and shall be determined on a case-by-case basis depending on current local lead-times. In addition, in accordance with section 6.1 below, either party may terminate this Contract during any year by giving written notice of termination in the event that the other party commits any material default under this Contract which, if capable of being remedied, is not remedied in accordance with the process set out in section 6.1.

3.3 Survival

Sections 6.2, 6.3, 8, 9, 10, 11.2, 11.3, 11.5 and 12 shall survive termination until all obligations set forth in these provisions are satisfied.

4. RATES

4.1 The rates to be applied to Customer's electric load shall be those contained in PG&E's Electric Schedule S or Schedule SB, if applicable, or the otherwise applicable rate schedule for standby customers who take supplemental service, or such superseding Rate Schedules as may from time to time be approved by the California Public Utilities Commission. PG&E shall waive standby reservation and distribution energy (kWh) charges for backup standby service provided under Schedule S or Schedule SB. The standby reservation charge shall be waived for standby customers that take supplemental service from PG&E under the otherwise applicable rate schedule.

4.2 The capitalized terms used in Section 4.1, unless otherwise defined in this Contract, shall have the meanings set forth in PG&E's Rate Schedules referenced in Section 4.1.

5. CUSTOMER'S COVENANTS

5.1 Customer shall install, cause to be installed, or utilize its existing DG with Capacity of _____ kW ("Capacity") that shall be commercially operable by, or on, _____ (the "In-Service Date"). Customer represents that it shall rely upon the DG to meet all, or a portion of, its electric energy requirements in an amount equal to the Capacity after the In-Service Date. For purposes of this Contract, "physically assured load reduction" shall mean the application of devices and equipment that interrupt a Customer's load when the DG does not provide Capacity for any reason, including an Uncontrollable Force.

5.2 If the Capacity is not available for any reason, including an Uncontrollable Force, the Customer agrees that Customer shall automatically drop load in an amount equal to the energy shortfall arising from the DG not operating at full Capacity. Customer shall cause an appropriate amount of Load Reduction to make up the energy shortfall through use of Relay Equipment described in Section 5.3.

5.3 Customer shall own, design, install and operate relay equipment and software on the Customer's side of the meter ("Relay Equipment") that will automatically and instantaneously protect PG&E's distribution system and service to other PG&E customers in the event the DG fails for any reason to perform at its full Capacity. Prior to installation, the design of Relay Equipment shall be submitted to PG&E for review and approval as to its adequacy to protect PG&E's distribution system and maintain the reliability of service to other PG&E customers. Prior to receiving the provisions of this Contract, PG&E shall have physically inspected the installation of Relay Equipment, witnessed its successful operation, and provided written confirmation of its approval prior to Customer commencing operation under this Contract. PG&E shall have the right to inspect and verify the operation of the Relay Equipment during the term of this contract.

5.4 Review, if any, by PG&E of the design, construction, operation, or maintenance of the DG and Relay Equipment, including modifications thereto, shall not constitute any representation as to the economic or technical feasibility, operational capability, or reliability of such facilities except as to the adequacy of such facilities to protect PG&E's distribution system and maintain the reliability of service to other PG&E customers. Customer shall in no way represent to any third party that any such review by PG&E of such facilities including but not limited to any review of the design, construction, operation, or maintenance of such facilities by PG&E is a representation by PG&E as to the economic or technical feasibility, operational capability, or reliability of such facilities. Customer is solely responsible for economic and technical feasibility, operational capability, and reliability of the DG and the Relay Equipment except as otherwise provided in this Section 5.4.

5.5 Customer shall be responsible for all its costs incurred in meeting its obligations under this Contract.

5.6 Customer shall notify PG&E in advance of its intent to remove Relay Equipment. Such notification shall in accordance with Section 11 of this Contract. The amount of time required prior to Customer's removal of Relay Equipment shall allow PG&E adequate time review and install any necessary distribution facilities to accommodate additional load on its distribution system. Section 6 of this Contract shall apply to those Customers who fail to provide such notice.

5.7 Customer may be allowed to place maintenance load on the distribution system during mutually agreed times (Scheduled Maintenance). Maintenance load is defined as Customer's load that would have otherwise been served by the DG that is down for maintenance. Customer shall provide four (4) days notice prior to PG&E determining whether and when Scheduled Maintenance is available ("Request"). For each Request, Customer agrees to pay PG&E at the time of such notification for its expenses related to the scheduling and any necessary rearrangement of its facilities to accommodate Scheduled Maintenance. Such fee per Request shall be as stated in the PG&E Schedule S or Schedule SB on file with the California Public Utilities Commission at the time the Request is made.

6. DEFAULTS AND REMEDIES

6.1 Termination for Default

If either Party breaches its material obligations under this Contract, such breach shall constitute an event of default. If any Party defaults under this Contract, the other Party may terminate this Contract; provided that prior to such termination the other Party must provide the defaulting Party with written notice stating: (i) the Party's intent to terminate; (ii) the date of such intended termination; (iii) the specific grounds for termination; (iv) specific actions which the defaulting Party must take to cure the default, if any; and (v) a reasonable period of time, which shall not be less than 10 calendar days, within which the defaulting Party may take action to cure the default and avoid termination, provided there is any action which can be taken to cure the default. The pendancy of any dispute resolution procedure pursuant to Section 10 with regard to any separate

dispute(s) or Sections 3.2 and 6.1 hereof shall not limit the right to terminate this Contract under Section 3.2.

6.2 Damages for Failure to Provide Load Reduction

If Customer breaches its obligation to provide Load Reduction, then the resulting damages shall be calculated to be (i) 18 multiplied by (ii) the Capacity multiplied by (iii) waived distribution reservation charges set forth in Section 4.1 during the prior twelve (12) months. The Parties agree that the factor set forth in subsection (i) is derived by taking savings Customer would achieve from this Contract during the prior 12 months of this Contract times 1.5, and may be applied to each occurrence. In addition, Customer shall be responsible for all damages to PG&E personnel and equipment and third party personnel and equipment resulting from the failure to provide Load Reduction.

6.3 Damages for Failure to Continue to Provide Load Reduction

If after reasonable notice, Customer continues to fail to provide Load Reduction, then the resulting damages shall be calculated to include any cost associated with the accelerated construction of facilities required in PG&E's reasonable discretion to reliably and safely provide service to all customers on the affected circuits and substation, e.g., any cost of overtime hours for PG&E's own resources, additional contract personnel, additional payments to contractors for expedited delivery of equipment and materials and premiums paid, if any, to obtain necessary rights of way or permits. PG&E selection of any facilities contemplated by this Section 6.3 shall be based on good utility practices, including, but not limited, to its standard safety practices, its material and equipment specifications, its design criteria and construction procedures, its labor agreements and applicable laws and regulations.

6.4 Service Interruption Until Remedial Measures Installed

In addition, if Customer breaches it obligation to provide Load Reduction, then until PG&E places into commercial operation those facilities it has determined are necessary pursuant to Section 6.3 hereof, the Customer shall curtail or interrupt its electric requirements at its site using the Relay Equipment described in Section 5.3 whenever directed by PG&E in order to avoid damage to PG&E's distribution system or harm to other customers. If in PG&E's sole discretion it determines the Customer is unable or unwilling to comply with PG&E's curtailment or interruption directions, then PG&E may immediately disconnect service to Customer until such time as the facilities identified pursuant to Section 6.3 have been placed into commercial operation.

6.5 Other Remedies

The remedies available under Section 6.1 through 6.4 are not exclusive, and subject to Section 10 either Party also shall be entitled to pursue any other legal, equitable or regulatory rights and remedies it may have in response to a default by the other Party.

7. NON-INTERFERENCE

Nothing in this Contract shall in any way interfere with Customer contracting for generation or meter related services with any other party.

8. INDENMITY

8.1 Indemnity

Each Party shall indemnify, defend and hold the other Party harmless from and against all losses, damages, claims, liabilities, costs or expenses (including legal expenses) whatsoever for injuries to or death of any person (including, but not limited to, agents, employees, contractors and invitees of PG&E and Customer) and for all loss, damage or destruction of electrical equipment or electric or gas meters or any other property (including, but not limited to, property of PG&E, Customer, and their respective agents, employees, contractors and invitees) arising out of any act or omission except to the extent that they result from any breach of this Contract by the indemnifying Party or the indemnified Party's negligence or intentional wrongdoing.

9. UNCONTROLLABLE FORCES

Any act beyond the reasonable control of a Party and which by the exercise of due diligence by such Party is unable to prevent or overcome. In the event of the occurrence of an Uncontrollable Force which prevents a Party from performing any of its obligations under this Contract such Party shall: (i) promptly notify the other party; (ii) not be entitled to suspend performance of any greater scope or longer duration than is required by the Uncontrollable Force (iii) use its best efforts to mitigate the effects of such Uncontrollable Force, remedy its inability to perform, and resume full performance hereunder; (iv) keep the other Party apprised of such efforts on a continual basis; and (v) provide written notice of the resumption of performance hereunder.

10. DISPUTE RESOLUTION

10.1 Mediation, Arbitration and/or Litigation

Any dispute that cannot be resolved between the Parties shall be settled by means of conference, mediation and/or litigation as provided for herein.

10.1.1 The first step in the disputed resolution process shall be a conference by which the dispute is referred to a designated officer of each Party for resolution. If those two officers cannot reach an agreement within a reasonable period of time, the Parties may submit the dispute to mediation in accordance with the Commercial Rules of the American Arbitration Association.

10.1.2 If the dispute is not resolved by the mediation, the Parties shall submit the dispute to the California Public Utilities Commission for final resolution unless the relief sought cannot be awarded by the CPUC in which case a Party may proceed to a Superior Court for the State of California, City and County of San Francisco.

10.2 Recovery of Costs and Attorneys' Fees

If either Party to this Contract begins any legal action or proceeding against the other by reason of the alleged failure of the other to perform under this Contract, or for the interpretation of any provision thereof, the Party prevailing in said action or proceeding shall be entitled to recover, in addition to its costs, reasonable attorneys' fees, whether retained or in-house counsel, and costs. Such recovery shall include court costs and attorneys' fees on appeal, if any. As used herein, "the Party prevailing" means the Party in whose favor final judgment is rendered.

11. MISCELLANEOUS

11.1 Assignment. This Contract is intended to be between the two Parties and neither Party may assign this Contract without prior written consent of the other Party, which consent shall not be unreasonably withheld or delayed.

11.2 Notices.

11.2.1 Except for notices provided pursuant to Section 11.2.3, any notices or demands to be served here under by either Party to the other shall be in writing and effected either by personal delivery or by mail, registered or certified, with return receipt requested. Mailed notices shall be addressed as follows to:

Pacific Gas and Electric Company
Customer Operations Regulatory Policy Department –
P.O. Box 770000 – Mail Code B13U
San Francisco, California 94177-0001
Attention: Tariff Interpretation

Customer _____
`
_____

_____

Attention _____

11.2.2 Except for noticed provided pursuant to Section 11.2.3, until written notice of a different address is furnished in accordance herewith to the other Party, all such notices shall be delivered to the addresses above. Such notices shall be deemed to have been served at the time personally delivered to either Party or within ninety-six (96) hours after the same have been deposited, postage prepaid, in the United States Post Office, which shall be a valid and sufficient service of notice for all purposes.

11.2.3 PG&E shall inform Customer when Load Reduction is required in writing or by such other means of communication as may be jointly agreed in writing.

11.3 Governing Law. The formation, interpretation and performance of this Contract shall be governed by California law, without regard to its principles of conflict of law.

11.4 Entire Agreement. This Contract, in combination with PG&E's tariffs as approved by the California Public Utilities Commission ("Commission"), contains the entire agreement between the Parties

11.5 Disclaimer of Warranty. No promise, representation, warranty, or covenant not included in this Contract has been, or is relied on by either Party. Each Party has relied on its own examination of this Contract, the counsel of its own advisors, and the warranties, representations, and covenants in the Contract itself.

12. COMMISSION CONTINUING AUTHORITY

This Contract shall at all times be subject to the Commission and to any changes or modification that the Commission may, from time to time, direct in the exercise of its jurisdiction. Notwithstanding any other provision of this Contract, either Party shall have the right to unilaterally file with the Commission, pursuant to the Commission's rules and regulations, an application for a change in rates, charges, classification, or any rule, regulation, or agreement relating thereto.

IN WITNESS WHEREOF, PG&E and Customer have executed this Contract on _____.

	PACIFIC GAS AND ELECTRIC COMPANY
_____ (Customer)	_____
_____ (Signature)	_____ (Signature)
_____ (Type/Print Name)	_____ (Type/Print Name)
_____ (Title)	_____ (Title)
_____ (Date)	_____ (Date)

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:

http://www.gosolarcalifornia.org/equipment/inverters.php.)

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.

[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 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.

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

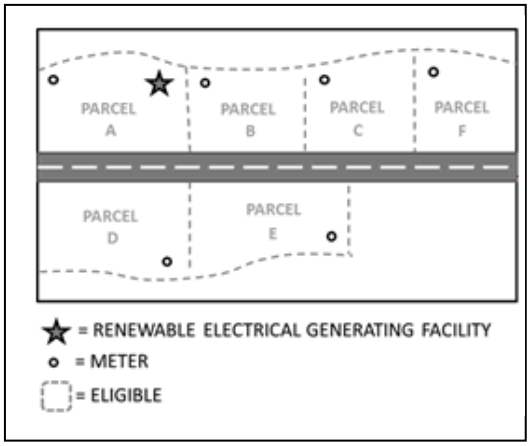
In accordance with Schedule NEM2, I, Customer-Generator represent and warrant under penalty of perjury that:

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: http://www.energy.ca.gov/renewables/documents/index.html#rps

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. 79-1078 Sheet 1

Agreement for Unmetered Electric Service to Devices Connected to Pacific Gas and Electric Company's Street Light Facilities

Please Refer to Attached Sample Form

Pacific Gas and Electric Company

DISTRIBUTION
- ☐ Customer
- ☐ Divisions
- ☐ Records Processing (Original)
- ☐ _____

REFERENCES
SA#:_____
PM#:_____
BD#:_____
_____

AGREEMENT FOR UNMETERED ELECTRIC SERVICE TO DEVICES CONNECTED TO PACIFIC GAS AND ELECTRIC COMPANY'S STREET LIGHT FACILITIES

This Agreement for Unmetered Electric Service to Devices Connected to Pacific Gas and Electric

Company's Street Light Facilities (Agreement) between _____ (Customer) and Pacific Gas and Electric Company (the Company) is to establish and govern the provisions of unmetered electric service provided by the Company at the locations reported for security devices and wireless communication equipment described in the attachments to this Agreement.

A. WHEREAS, such equipment will be owned, operated and/or maintained by Customer;

B. WHEREAS, Customer intends to energize such equipment by connecting to Company-owned street light facilities consisting of a street light with an exposed (external) photocell control mounted on a distribution pole or on a dedicated street light pole by means of a bracket or support arm, where PG&E has ownership interest in and maintenance responsibility for the pole, luminaire, support arm, control facility and internal wiring at various locations within the Company's service territory, where the lighting facilities are not a particular aesthetic selection by the street light customer of record and with the exception of series street light circuits served above 480 volts; and

C. WHEREAS, in the Company's opinion, it would be impractical to install electric meters at the requested locations and for such equipment installed subject to this Agreement; and

D. WHEREAS, the consumption of electricity at such locations and for such equipment can be reasonably determined from Manufacturer's specifications and operating characteristics of the Customer where the load is 24 hour constant and of one hundred fifty (150) watts or less rated or average consumption on any one street light circuit; and

E. WHEREAS, pursuant to the Company's Electric Preliminary Statement Part A.6.a, Customer and the Company agree that, in lieu of installing meters at each location, the Company shall provide unmetered electric service for Customer's equipment in accordance with the following terms and conditions.

NOW, THEREFORE, in consideration of the terms, and covenants contained herein, Customer and Company hereby agree as follows:

1. Customer's equipment that is the subject of this Agreement is identified in the data sheets set forth in Attachment A (Equipment). The Equipment will be installed by Customer on the facilities described in Recital Paragraph B above with an energy connection on the Company-owned street light. The energy connection to such street light may be made by the Customer, or, at the Customer's option and expense, by the Company. The energy connection to such Equipment will be made through a twist-lock style connector to an exposed (external) photocell control for the luminaire without impairment to the operation of the street light and with no other modification to the luminaire or control, except for ancillary equipment that draws power through the primary device through a Power Over Ethernet connection or similar means approved by the Company. Each location will be grouped in a specific account, separate from the street light account, identified by either the city or unincorporated county where the Equipment is located for proper billing and accounting. The energy account will be billed on the Company's regular monthly billing cycle for unmetered loads. Billing of fixed usage shall be at the amount indicated in Paragraphs 2 and 3.

2. Energy use for each piece of Equipment will be billed on Schedule A-1 or Schedule B-1 - Small General Service with an appropriate single customer charge for each grouped account.

    a. Customer shall provide the Company with the Manufacturer's documentation on Equipment rating, documented average consumption and other information necessary for the Company to determine applicability of this Agreement prior to installation of Equipment. Attachment A documents the specific Equipment and the kilowatt hours (kWh) to be billed for each Equipment type.

3. The energy charge is based on the monthly kWh calculated from the documentation provided by the customer based on watt rating or average consumption, multiplied by 731 hours per month (for 24-hour continuous usage).

4. Pursuant to Section D of the Company's electric Rule 3, Customer shall furnish the Company with information, in a format acceptable to the Company, which verifies the number and location of all Equipment at each service location and reflecting the net result of any installations and removals. The information to be reported is described in Attachment B. The information shall be provided initially ten (10) days after the first month of installations and on the first business day of January, April, July and October thereafter. Each piece of Equipment shall be marked with its own identifying number or code acceptable for input into Company's billing system. Equipment ownership shall be identifiable from the ground for auditing purposes. The Company may require that Customer affix or install a Radio Frequency Identification Device (RFID), provided by the Company, for inventory verification purposes.

5. If it is determined by the Company that electrical load is connected that has not been accurately reported to the Company by Customer, such load will be billed in accordance with electric Rules 17, 17.1, and 17.2 as applicable, and Customer shall pay the otherwise full applicable tariff charges for such electrical load, calculated in accordance with Paragraph 3, above. The Company reserves the right to field or bench test Equipment to verify the inputs described in documentation provided in Paragraph 2.a, above. Customer shall be financially responsible for any damage to Company facilities that results from a failure to accurately report Customer's loads.

6. Auditing may be conducted at the Company's sole discretion. Auditing may commence following the first anniversary of the effective date this Agreement (as defined below). The audit will be conducted by the Company or by an independent auditor selected by the Company. The cost of the audit shall be at the sole expense of the Customer. Customer will provide a complete and accurate inventory and other information as required in Paragraph 4 and in Attachment B. Customer shall provide access to the Equipment and provide assistance to the Company and its auditor to accomplish the audit, including, without limitation, identifying, locating and accessing the Equipment. The Company shall have the right to collect all costs associated with any additional work, including but not limited to, field verification or auditing of devices, bench testing, field amp reads, calculations of loads not required with meter reads, that would otherwise not be incurred in serving metered facilities.

7. Neither this Agreement nor conditions of electric service hereunder shall constitute permission or authorization for any use or occupation of the facilities of the Company or any third party by Customer. Prior to any attachment to Company-owned distribution poles, dedicated street light poles or connection of Equipment to Company owned street light facilities a license agreement with the Company will be required. Such license agreement shall remain a condition of service hereunder. It shall be sole responsibility and obligation of Customer to secure any rights or permission that may be necessary for the placement and use of Customer's Equipment on or over private property or the public right of way.

8. Except as specifically provided otherwise herein, service furnished in accordance with this Agreement shall be subject to Company's applicable tariffs on file with the California Public Utilities Commission (Commission). This Agreement shall at times be subject to changes or modification by the Commission as said Commission may, from time to time, direct in the exercise of its jurisdiction.

9. The Equipment subject to this Agreement shall be installed, maintained and operated at all times in accordance with all Company design standards and requirements and with all applicable laws, rules and regulations by any governmental authority with jurisdiction, including Commission's General Order 95 (collectively "Laws"). Customer shall be responsible to correct all identified violations of Laws and all identified deviations from Company design standards or requirements. Where the Company makes corrections, Customer shall be responsible for all costs for the Company to remedy any notices of violation or infractions imposed on the Company as a result of the Customer's installation or operation of the Equipment, including, without limitation, any infractions under the Commission's General Order 95. Except when otherwise required by the Laws or in the event that the Company determines that the violation, deviation or infraction caused by the Equipment poses a threat to the public or utility worker(s) or that the installed Equipment adversely impacts service reliability, asset life or the safe operation of Company facilities, prior to the Company remedying such violation, deviation or infraction, the Company will give the Customer written notice and the opportunity to remedy the same. If the Customer fails to correct the violation, deviation or infraction within thirty (30) days of such notice, the Company may, but shall not be obligated to, remedy such violation, deviation or infraction.

10. Where the Company determines that the Equipment loads require changes to Company's serving facilities, or where rearrangements are required as a result of the added loads, all such modifications must be performed prior to connection of the Equipment and Customer shall be responsible for all costs associated with the work. Customer shall be financially responsible for any damage to Company facilities resulting from Equipment loads added prior to completion of any required work. Either the Company or Customer may determine that facility modifications are not practical or cost effective for specific locations, in which case service will be provided under Company's approved Tariffs and either an Agreement for Unmetered Electrical Service, form 79-972, or metering may be required.

11. This Agreement shall remain in effect until terminated. This Agreement may be terminated upon forty-five (45) days prior written notice: a) by either party, which shall result in termination of service; or b) by Company upon Customer's default of any of the stated terms, agreements, covenants, conditions and provisions of this Agreement, the license agreement for such equipment or non-conformance with Company's other applicable tariffs. Any notice for termination of this Agreement for default shall specify the nature of the default. Customer may utilize the forty-five (45) days from issuance of such notice to cure the specified default (or in the event of a default which requires in excess of forty-five (45) days to cure, such additional time as is approved in writing by the Company). Timely cure of a specified default will avoid termination for that default. Customer expressly acknowledges that the Company shall not be liable for any costs, expenses, damages, claims or the like caused by or arising out of the Company's termination of this Agreement, including but not limited to any rearrangement, relocation, removal or disconnection expenses. Company may continue to provide service to Customer's Equipment provided that a) a subsequent executed superseding agreement governing the terms of unmetered service has gone into effect prior to the termination of this Agreement; or b) a meter has been installed and the service has been transferred to metered status.

12. The Company may at a later date, upon ninety (90) days prior written notice, require metering of new, existing, additional, rearranged or relocated equipment that would otherwise register on its metering devices with then available practical technology, and decline to provide or continue providing unmetered service.

13. Nothing in this Agreement shall preclude the Company from requesting authority from the Commission to implement an electric tariff for unmetered service. If an unmetered electric service tariff is approved for the Company, it shall apply to Customer's installations under this Agreement.

14. The Company is authorized to modify the form of Attachment A and B at its sole discretion and at any time require additional reasonable information from Customer for the purpose of this Agreement, including without limitation, accurate data concerning equipment, maintaining accurate records, and promoting accurate and efficient billing.

15. All notices required herein shall be given in writing and delivered personally by United States Postal Service, or other nationally recognized courier service, to the appropriate address below. Addresses may be changed by the Company or Customer as business needs change.

Customer:	_____	Pacific Gas and Electric Company
Address:	_____ _____ _____	Billing Revenue & Records P.O. Box 8239 Stockton, CA 95208
Attn:	_____	Attn. Unmetered Electric Usage

Customer's bill shall be mailed to the address listed below.

Billing Name: _____
Address: _____
_____

Attn: _____

16. The waiver by either Party of any default in the performance, or failure to insist on strict performance by the other, or any covenant or condition contained herein shall not be construed to be a waiver of any preceding or subsequent default of the same or any other covenant contained herein.

17. If Customer acquires additional Equipment (connected by another Customer under the provisions of an identical Agreement) through merger, purchase, or other forms of acquisition, all such acquired Equipment shall become subject to this Agreement, and billing will be adjusted as required by this Agreement. Customer must provide the information necessary to complete new Attachment A(s), if such additional unmetered facilities have not previously been identified to the Company. Customer must also provide the information required to complete new or modify existing Attachment B(s) as specified in Paragraph 4. If Customer is acquired by a third party, assignment of this Agreement shall be subject to the provisions of Paragraph 18.

18. Customer may, with the Company's written consent, assign this Agreement if the assignee agrees in writing to perform all of Customer's obligations hereunder. Such assignment will be deemed to include, unless otherwise specified therein, all of the Customer's rights to any refunds which might become due upon discontinuance of service contracted. Customer remains responsible for all obligations under this

Agreement up to the effective date of the assignment. In lieu of an assignment, the Customer's successor in interest may retrofit the Equipment for metering under Company's existing tariffs.

19. Upon termination of this Agreement, Customer shall promptly disconnect Customer's Equipment from the street light facilities. Customer remains responsible for payment of energy and customer charges under this Agreement until Equipment is disconnected.

20. Customer shall indemnify and hold harmless Company, its officers, agents and employees, against all loss, damage, expense and liability resulting from injury to or death of any person, including but not limited to employees of Company, Customer or any third party, or from loss, destruction or damage to property, including but not limited to property of Company, Customer, or any third party, arising out of or in any way connected with the performance of this Agreement, however caused, except to the extent caused by the active negligence or willful misconduct of Company, its officers, agents and employees. Customer will, on Company's request, defend any suit asserting a claim covered by this indemnity. Customer will pay all costs that may be incurred by Company in enforcing this indemnity, including reasonable attorneys' fees.

21. PG&E will exercise reasonable diligence and care to furnish and deliver a continuous and sufficient supply of electric energy to the Customer, but does not guarantee continuity or sufficiency of supply. PG&E will not be liable for interruption or shortage or insufficiency of supply, or any loss or damage of any kind of character occasioned thereby if same is caused by inevitable accident, act of God, fire, strikes, riots, war, or any other cause except that arising from its failure to exercise reasonable diligence.

22. This Agreement shall supersede existing letters of understanding, agreements and contracts, whether verbal or written, for the provision of unmetered services to the Equipment.

APPROVED:

	PACIFIC GAS AND ELECTRIC COMPANY
_____ (Customer)	
_____ (Signature)	_____ (Signature)
_____ (Type/Print Name)	_____ (Type/Print Name)
_____ (Title)	_____ (Title)
_____ (Date)	_____ (Date)

DISTRIBUTION:	REFERENCES:
☐ Billing Revenue and Records (Original) ☐ Service Planning (Copy) ☐ Customer (Copy)	Date of Agreement: Date of Attachment: PM #: SA #:

Attachment A to Agreement for Unmetered Electric Service to Devices Energized by Connection to Pacific Gas and Electric Company's Street Light

(Form to be Completed By PG&E)

Facilities Address: _____

Billing Name: _____

Address (if different from mailing): _____

Equipment billing information (to be completed by Pacific Gas and Electric Company)

Manufacturer/model or series _____

Equipment type* _____

**Use only one Attachment A per Equipment type*

Basic calculation for monthly kiloWatt hours (kWh) rounded to the nearest whole kWh for billing.
((Nominal voltage x Amps) /1000) x hours of operation
Use 731 hours for 24 hour load, or 335 hours for 11 hour photo controlled load.

Adjust Amps as needed when Average Documented Consumption is used in place of full rated amps for proper kWh billing.

Rate schedule	Nominal volts	Amps	Operating hours	*kWh/Mo billing*
A-1 or B-1				0

Applicant must provide the following:

° Equipment model, type and unit identification number
° Input ratings in amps, nominal volts or documented average consumption

Additional documentation and attachments as required by Pacific Gas and Electric Company:

° *Pursuant to paragraphs 2a and 4 of the Agreement, for billing reporting, information required includes, but is not limited to:*
° Equipment location (e.g., Street light number, GPS coordinate or other acceptable identification)
° Notification of tax exemptions which apply to the provisions of service under this Agreement

Provide the following when requesting service through Pacific Gas and Electric Company local offices

° A copy of the Agreement and Attachments for Unmetered Services
° Necessary infromation to complete an Electric Rule 3 request for service if required.

* "Automated Document, Preliminary Statement, Part A".

Pacific Gas and Electric Company

Attachment B to Agreement for Unmetered Electric Service to Devices Connected to Pacific Gas and Electric Company's Street Light Facilities *

Customer: **Annual Report**

COUNTY ID	CITY ID	TOT#	SA#	INSTALLED	Street Light Only Pole	Distribution Pole	POLE_ID	ADDRESS	CROSS-STREET	ZIP	LATITUDE	LONGITUDE	VENDOR	MODEL	DESCRIPTION	Identification number	KWH	KWH Total

*Automated Document, Preliminary Statement Part A

Electric Sample Form No. 79-1105 Sheet 1

Agreement for Unmetered Electric Service to Seasonal Lighting Loads Connected to Festoon Outlets
on
Pacific Gas and Electric Company's Street Light Facilities

Please Refer to Attached
Sample Form

DISTRIBUTION:

☐ XXXX
☐ XXXX
☐ XXXX
☐ XXXX
☐ _____

REFERENCE:

_____
_____
_____
_____
_____

AGREEMENT FOR UNMETERED ELECTRIC SERVICE TO SEASONAL LIGHTING LOADS CONNECTED TO FESTOON OUTLETS ON PACIFIC GAS AND ELECTRIC COMPANY'S STREET LIGHT FACILITIES

This Agreement for Unmetered Electric Service to Seasonal Lighting Loads Connected to Festoon Outlets on Pacific Gas and Electric Company's Street Light Facilities (Agreement) between _____ (Customer) and Pacific Gas and Electric Company (the Company) is to establish and govern the provisions of unmetered electric service provided by the Company at the locations reported for seasonal decorative equipment connected to street light facilities through festoon outlets.

A. WHEREAS, such seasonal decorative equipment will be owned, operated and/or maintained by Customer; and

B. WHEREAS, the Company historically owns, operates and maintains street light circuits with existing festoon receptacles designed to allow seasonal decorative lighting to be attached and energized; and

C. WHEREAS, Customer intends to energize such equipment by connecting to Company-owned street light facilities through festoon outlet receptacles located a minimum of nine (9) feet above grade at the base of the pole or post; and

D. WHEREAS, in the Company's opinion, it would be impractical to install electric meters at the requested locations and for such equipment installed subject to this Agreement; and

E. WHEREAS, the consumption of electricity at such locations and for such equipment can be reasonably determined from Manufacturer's specifications and operating characteristics of the Customer where the load is controlled by a timer (where timer is not accessible by pedestrians) or is 24 hour constant and of one hundred fifty (150) watts or less rated load on any one street light; and

F. WHEREAS, pursuant to the Company's Electric Preliminary Statement Part A.6.a, Customer and the Company agree that, in lieu of installing meters at each location, the Company shall provide unmetered electric service for Customer's equipment in accordance with the following terms and conditions.

NOW, THEREFORE, in consideration of the terms, and covenants contained herein, Customer and Company hereby agree as follows:

1. Customer's equipment that is the subject of this Agreement is identified in the data sheets set forth in Attachment A (Equipment). The Equipment will be installed by Customer on the facilities described in Recital Paragraph C above with an energy connection on the Company-owned street light circuit. Each location will be grouped in a specific account, separate from the street light account, identified by either the city or unincorporated county where the Equipment is located for proper billing and accounting. The energy account will

be billed on the Company's regular monthly billing cycle for unmetered loads. Billing of fixed usage shall be at the amount indicated in Paragraphs

2. Energy use for each piece of Equipment will be billed on Schedule A-1 or B-1 - Small General Service with an appropriate single customer charge for each grouped account. The method of determining the electric usage for such Equipment shall be as follows:

    a) Where Equipment is controlled by a timer, Customer shall provide the timer and shall provide the Company with timer setting details, and detailed manufacturer's specifications. Any such timer must be acceptable to the Company, must be rated for outdoor use, and must have a single on and off setting per day. The daily operating interval (the time between the on and off settings) must be in whole hour increments, or will be rounded to the next higher whole hour increment for purposes of calculating energy used for billing purposes. Billing will be based on the Equipment load and the operating interval selected by the Customer.

    b) Where Equipment is not controlled by a timer, the Equipment will be billed on a 24-hour basis.

    c) Customer shall provide Company with the Manufacturer's documentation on Equipment rating, and other information necessary for the Company to determine applicability of this Agreement prior to installation of Equipment. Attachment A documents the specific Equipment and manufacturer and model number of the timers used to control Equipment, and will be used to record operating interval determined by the Customer and the kilowatt hours (kWh) to be billed for each Equipment type.

3. The energy charge is based on the monthly kWh calculated from the documentation provided by the customer based on Equipment rating multiplied by either 731 hours per month (for 24-hour continuous usage) under paragraph 2b, above; or, by the number of hours calculated on Attachment A based on the operating interval selected by the Customer (for timer controlled usage) under paragraph 2a, above. The charge shall also include all other associated charges under the applicable rate schedule.

4. Pursuant to Section D of the Company's electric Rule 3, Customer shall furnish the Company with information, in a format acceptable to the Company, which verifies the number and location of all Equipment at each service location and reflecting the net result of any installations and removals. The information to be reported is described in Attachment B. The information shall be provided prior to installation of equipment; removals shall be reported when completed. Any changes to the daily operating interval (timer settings as described in paragraph 2a, above) must be reported in advance.

5. If it is determined by the Company that electrical load is connected that has not been accurately reported to the Company by Customer, such load will be billed in accordance with electric Rules 17, 17.1, and 17.2 as applicable, and Customer shall pay the otherwise full applicable tariff charges for such electrical load, calculated in accordance with Paragraph 3, above. The Company reserves the right to field or bench test Equipment to verify the inputs described in documentation provided in Paragraph 2, above. Customer

shall be financially responsible for any damage to Company facilities that results from a failure to accurately report Customer's loads and operating time intervals.

6. Auditing may be conducted at the Company's sole discretion. Auditing may commence at any time. The audit will be conducted by the Company or by an independent auditor selected by the Company. The cost of the audit shall be at the sole expense of the Customer. Customer will provide a complete and accurate inventory and other information as required in Paragraph 4 and in Attachment B. Customer shall provide access to the Equipment and provide assistance to the Company and its auditor to accomplish the audit, including, without limitation, identifying, locating and accessing the Equipment. The Company shall have the right to collect all costs associated with any additional work, including but not limited to, field verification or auditing of devices, bench testing, field amp or load reads and calculations of loads , that would otherwise not be incurred in serving metered facilities.

7. Neither this Agreement nor conditions of electric service hereunder shall constitute permission or authorization for any use or occupation of the facilities of the Company or any third party by Customer. Prior to any attachment to Company-owned distribution poles, dedicated street light poles or connection of Equipment to Company owned street light facilities a license agreement with the Company will be required. Such license agreement shall remain a condition of service hereunder. It shall be sole responsibility and obligation of Customer to secure any rights or permission that may be necessary for the placement and use of Customer's Equipment on or over private property or the public right of way.

8. Except as specifically provided otherwise herein, service furnished in accordance with this Agreement shall be subject to Company's applicable tariffs on file with the California Public Utilities Commission (Commission). This Agreement shall at times be subject to changes or modification by the Commission as said Commission may, from time to time, direct in the exercise of its jurisdiction.

9. The Equipment subject to this Agreement shall be installed, maintained and operated at all times in accordance with all Company design standards and requirements and with all applicable laws, rules and regulations by any governmental authority with jurisdiction, including Commission's General Order 95 (collectively "Laws"). Customer shall be responsible to correct all identified violations of Laws and all identified deviations from Company design standards or requirements. Where the Company makes corrections, Customer shall be responsible for all costs for the Company to remedy any notices of violation or infractions imposed on the Company as a result of the Customer's installation or operation of the Equipment, including, without limitation, any infractions under the Commission's General Order 95. Except when otherwise required by the Laws or in the event that the Company determines that the violation, deviation or infraction caused by the Equipment poses a threat to the public or utility worker(s) or that the installed Equipment adversely impacts service reliability, asset life or the safe operation of Company facilities, prior to the Company remedying such violation, deviation or infraction, the Company will give the Customer written notice and the opportunity to remedy the same. If the Customer fails to correct the violation, deviation or infraction within thirty (30)

days of such notice, the Company may, but shall not be obligated to, remedy such violation, deviation or infraction.

10. Where the Company determines that the Equipment loads require changes to Company's serving facilities, or where rearrangements are required as a result of the added loads, all such modifications must be performed prior to connection of the Equipment and Customer shall be responsible for all costs associated with the work. Customer shall be financially responsible for any damage to Company facilities resulting from Equipment loads added prior to completion of any required work. Either the Company or Customer may determine that facility modifications are not practical or cost effective for specific locations, in which case service will be provided under Company's approved Tariffs and either an Agreement for Unmetered Electrical Service, Form 79-972, or metering may be required.

11. This Agreement shall remain in effect until terminated. This Agreement may be terminated upon forty-five (45) days prior written notice: a) by either party, which shall result in termination of service; or b) by Company upon Customer's default of any of the stated terms, agreements, covenants, conditions and provisions of this Agreement, the license agreement for such equipment or non-conformance with Company's other applicable tariffs. Any notice for termination of this Agreement for default shall specify the nature of the default. Customer may utilize the forty-five (45) days from issuance of such notice to cure the specified default (or in the event of a default which requires in excess of forty-five (45) days to cure, such additional time as is approved in writing by the Company). Timely cure of a specified default will avoid termination for that default. Customer expressly acknowledges that the Company shall not be liable for any costs, expenses, damages, claims or the like caused by or arising out of the Company's termination of this Agreement, including but not limited to any rearrangement, relocation, removal or disconnection expenses. Company may continue to provide service to Customer's Equipment provided that a) a subsequent executed superseding agreement governing the terms of unmetered service has gone into effect prior to the termination of this Agreement; or b) a meter has been installed and the service has been transferred to metered status.

12. The Company may at a later date, upon ninety (90) days prior written notice, require metering of new, existing, additional, rearranged or relocated equipment that would otherwise register on its metering devices with then available practical technology, and decline to provide or continue providing unmetered service.

13. Nothing in this Agreement shall preclude the Company from requesting authority from the Commission to implement an electric tariff for unmetered service. If an unmetered electric service tariff is approved for the Company, it shall apply to Customer's installations under this Agreement.

14. The Company is authorized to modify the form of Attachment A and B at its sole discretion and at any time require additional reasonable information from Customer for the purpose of this Agreement, including without limitation, accurate data concerning equipment, maintaining accurate records, and promoting accurate and efficient billing.

15. All notices required herein shall be given in writing and delivered personally by United States Postal Service, or other nationally recognized courier service, to the appropriate

address below. Addresses may be changed by the Company or Customer as business needs change.

Customer:	_____	Pacific Gas and Electric Company
Address:	_____ _____ _____	Billing Revenue & Records P.O. Box 8239 Stockton, CA 95208
Attn:	_____	Attn. Unmetered Electric Usage

Customer's bill shall be mailed to the address listed below.

Billing Name: _____
Address: _____
_____

Attn: _____

16. The waiver by either Party of any default in the performance, or failure to insist on strict performance by the other, or any covenant or condition contained herein shall not be construed to be a waiver of any preceding or subsequent default of the same or any other covenant contained herein.

17. If Customer acquires additional Equipment (connected by another Customer under the provisions of an identical Agreement) through merger, purchase, or other forms of acquisition, all such acquired Equipment shall become subject to this Agreement, and billing will be adjusted as required by this Agreement. Customer must provide the information necessary to complete new Attachment A(s), if such additional unmetered facilities have not previously been identified to the Company. Customer must also provide the information required to complete new or modify existing Attachment B(s) as specified in Paragraph 4. If Customer is acquired by a third party, assignment of this Agreement shall be subject to the provisions of Paragraph 18.

18. Customer may, with the Company's written consent, assign this Agreement if the assignee agrees in writing to perform all of Customer's obligations hereunder. Such assignment will be deemed to include, unless otherwise specified therein, all of the Customer's rights to any refunds which might become due upon discontinuance of service contracted. Customer remains responsible for all obligations under this Agreement up to the effective date of the assignment. In lieu of an assignment, the Customer's successor in interest may retrofit the Equipment for metering under Company's existing tariffs.

19. Upon termination of this Agreement, Customer shall promptly disconnect Customer's Equipment from the street light facilities. Customer remains responsible for payment of energy and customer charges under this Agreement until Equipment is disconnected.

20. Customer shall indemnify and hold harmless Company, its officers, agents and employees, against all loss, damage, expense and liability resulting from injury to or death of any person, including but not limited to employees of Company, Customer or any third party, or from loss, destruction or damage to property, including but not limited to property of Company, Customer, or any third party, arising out of or in any way connected with the performance of this Agreement, however caused, except to the extent caused by the active negligence or willful misconduct of Company, its officers, agents and employees. Customer will, on Company's request, defend any suit asserting a claim covered by this indemnity. Customer will pay all costs that may be incurred by Company in enforcing this indemnity, including reasonable attorneys' fees.

21. PG&E will exercise reasonable diligence and care to furnish and deliver a continuous and sufficient supply of electric energy to the Customer, but does not guarantee continuity or sufficiency of supply. PG&E will not be liable for interruption or shortage or insufficiency of supply, or any loss or damage of any kind of character occasioned thereby if same is caused by inevitable accident, act of God, fire, strikes, riots, war, or any other cause except that arising from its failure to exercise reasonable diligence.

22. This Agreement shall supersede existing letters of understanding, agreements and contracts, whether verbal or written, for the provision of unmetered services to the Equipment.

APPROVED:

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

DISTRIBUTION:
- ☐ Customer
- ☐ Divisions
- ☐ GO Svc Planning
- ☐ Billing Revenue and Records

Date Of Agreement: _____

Date of this Attachment: _____

ATTACHMENT A TO AGREEMENT FOR UNMETERED ELECTRIC SERVICE TO SEASONAL LIGHTING LOADS CONNECTED TO FESTOON OUTLET ON PACIFIC GAS AND ELECTRIC COMPANY'S STREET LIGHT FACILITIES

Applicant: _____
Address: _____
_____

Billing Name: _____
Billing Address: _____
(if different from mailing) _____

Equipment billing information (to be completed by Pacific Gas and Electric Company)

Manufacture/Model or Description: _____
Equipment Type*/Load Connected: _____
Timer Manufacture/Model or Description: _____
Timed Operating Interval (Hours/Day) _____ (round to next whole hour per agreement paragraph 2a)
**Use only one Attachment A per Equipment type*

Basic calculation for monthly kilowatt-hour (kWh) rounded to the nearest whole kWh for billing
((Nominal voltage x Amps) / 1000) x hours of operations
Use 731 hours for 24 hour load, or 30.45 times operating interval hours for timer controlled load
Adjust Amps as needed when Average Documented Consumption is used in place of full rated amps for proper kWh billing

Rate Schedule	**Nominal Volts**	**Amps**	**Operating Hours**	kWh/Month Billing
A-1 or B-1			731	0

Applicant must provide the following:
- Equipment model, type and unit identification number.
- Equipment input rating in amps.
- Description of timer, if any, which controls hours of equipment operation, and any other information deemed necessary by Pacific Gas and Electric Company to accurately establish billing amounts.

Additional documentation and attachments as required by Pacific Gas and Electric Company:
- Pursuant to paragraphs 2a and 4 of the Agreement, for billing reporting, information required includes, but is not limited to:
  - Equipment location (e.g. Street light number, GPS coordinate or other acceptable identification).
  - Notification of tax exemption which apply to the provisions of service under this Agreement.

Provide the following when requesting service through PG&E local office
- A copy of the Agreement and Attachment for Unmetered Services.
- Necessary information to complete a Electric Rule 3 request for service if required.

Pacific Gas and Electric Company

Attachment B To Agreement for Unmetered Electric Service to Seasonal Lighting Loads Connected To Frestoon Outlet on PG&E's Street Light Facilities (Form 79-1105)

Customer Name: **Load Inventory**

COUNTY ID	CITY ID	TOT#	SA#	INSTALLED (Date)	POLE_ID (Street Light #)	ADDRESS	CROSS-STREET	ZIP	DETAILED DESCRIPTION (MODEL, MANUFACTURE IF AVAILABLE	Identification # / Location # (Assigned by Customer)	KWH	KWH Total (PG&E Use Only)

ELECTRIC SAMPLE FORM 79-1111 Sheet 1
OPTIMAL BILLING PERIOD SERVICE ELECTION FORM

Please Refer to Attached
Sample Form

OPTIMAL BILLING PERIOD SERVICE ELECTION FORM

The undersigned Customer hereby acknowledges and agrees to all terms and conditions specified.

1. Eligibility

Customers taking service on PG&E's Schedule AG-5, "Large Time-of-Use Agricultural Power", Rate C or F, Schedule E-19 or B-19, "Medium General Demand Metered Time-of-Use Service," or Schedule E-20 or B-20, "Service to Customers with Maximum Demands of 1,000 Kilowatts or More," may elect the Optimal Billing Period (OBP) service, subject to program availability, and the qualifying eligibility terms and conditions specified below and in the applicable tariffs.

2. By electing the Optimal Billing Period (OBP) service, customer declares it has reviewed and meets all eligibility requirements as described in the customer's applicable electric rate schedules: PG&E's electric rate Schedule AG-5, Special Condition 16 – *Optimal Billing Period Service*, PG&E's electric rate Schedule E-19 or B-19, Special Condition 20 – *Optimal Billing Period Service*, or in PG&E's electric rate Schedule E-20 or B-20, Special Condition 18 – *Optimal Billing Period Service.*

3. Terms and Conditions

The initial term of this Agreement shall be for a period of one (1) year from the date executed by PG&E. This Agreement shall continue thereafter for successive terms of one (1) year, provided, however, that either party shall have the right to terminate this Agreement at the expiration of the initial one (1) year term or anytime thereafter upon thirty (30) days written notice to the other party. However, if a customer terminates this agreement between anniversary dates, there shall be no entitlement to a refund for any portion of the most recent OBP fee payment to PG&E. Once terminated, the Customer will not be eligible for OBP service for twelve (12) months from the termination date. Should this OBP program terminate, PG&E reserves the right to terminate all Agreements upon the expiration date of the OBP service.

4. Designation of Subject Months

The Customer designates the six consecutive months of _____, _____, _____, _____, _____, and _____ as the high seasonal optimal billing period.

5. Annual Qualification

Customers must continue to meet the eligibility requirements stated in Section 1, above, to qualify for OBP service in subsequent one-year term(s).

6. Customer Notification to PG&E

The customer must notify PG&E via email and shall state in its subject line "OBP Notification" of its elected production start and/or end dates of the OBP service. The designation may not be implemented if it is not received or if it does not contain the specified information. A participating customer must email PG&E at least seventy-two (72) hours in advance of elected date(s). The customer should send emails to the following address: OptimalBillingNotifi@pge.com.

7. Commission Jurisdiction

This Agreement and PG&E's tariffs shall all times be subject to such changes or modifications by the California Public Utilities Commission (Commission) as said Commission may direct, from time to time, in the exercise of its jurisdiction.

THEREFORE, being a duly authorized representative of the Customer, I certify that I have read the foregoing and understand and agree to all terms and conditions.

Executed this _____ day of _____, _____.

BY:	BY:
_____	**PACIFIC GAS & ELECTRIC COMPANY**
Customer or Business Name	
_____	_____
Signature	*Signature*
_____	_____
Type or print name	*Type or print name*
_____	_____
Title	*Title*
_____	_____
Date	*Date*

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:
www.pge.com/includes/docs/pdfs/shared/newgenerator/solarwindgenerators/standardenet/customer_behalf_app.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.)

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 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

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) _____

Please complete this agreement in its entirety
Automated Document, Preliminary Statement Part A

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:

www.pge.com/includes/docs/pdfs/shared/newgenerator/solarwindgenerators/standardenet/customer_behalf_app.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.)

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:

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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.

(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 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: www.consumerenergycenter.org/erprebate/equipment.html

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)

[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.

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

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.

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[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.

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

Please complete this agreement in its entirety

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 79-1142 Sheet 1

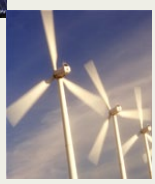
NEMV INTERCONNECTION APPLICATION FOR A RENEWABLE ELECTRICAL GENERATION FACILITY OF 1 MEGAWATT OR LESS

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:
www.pge.com/includes/docs/pdfs/shared/newgenerator/solarwindgenerators/standardenet/customer_behalf_app.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.)

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 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: www.consumerenergycenter.org/erprebate/equipment.html

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

Please complete this agreement in its entirety

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) _____

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 79-1151A Sheet 1

AGREEMENT AND CUSTOMER AUTHORIZATION

Net Energy Metering Interconnection 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 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 and participants in the Demand Response Programs below are not eligible to participate in NEM.
  - 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 NEM program.

Part I – Generating Facility Information and Responsible Parties

A. Customer and Generating Facility Information (*as it appears on the PG&E bill):

Standard NEM Agreement Type: ❑ Single Account ❑ Multiple Aggregated Accounts

Note: Net Energy Metering Aggregation (NEMA) is a program that allows customers with multiple meters to use the renewable energy generated at one meter (up to 1MW) 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* _____ State CA Zip* _____

Customer Phone Number _____ Email (if blank, Permission to Operate (PTO) letter will be mailed to mailing address on record) _____

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 _____

❑ **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 79-1151B 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.**

AGREEMENT AND CUSTOMER AUTHORIZATION
Net Energy Metering Interconnection For Solar And/Or Wind Electric Generating Facilities Of 30 Kilowatts Or Less

Pacific Gas and Electric Company

Part II – NEM Generator System Size

A. Interconnection Study and Requirements

This Agreement covers the installed Generating Facility nameplate listed in the accompanying Application Form 79-1151B.

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 79-1151B, and (3) a copy of the final signed jurisdiction approval (building permit) for your project.

NEM 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. For customers on a Time-of-Use rate, sizing your system to offset 80%-85% of your average electricity usage could be an effective way to minimize your electricity bill. For customer who are not on a Time-of-Use rate, you might want to size your system larger (90-95% of your annual load), in order to minimize your electricity bill. Of course, individual circumstances may vary. Customers can obtain their usage data from www.pge.com/greenbutton. System sizing eligibility will be reviewed using the criteria below.

B. Generator System Sizing

Generator System Type: ❒ Solar ❒ Wind ❒ Both

Estimated Annual Production:

- Solar Systems > 5 kW (CEC-AC kW) or any system with wind, size is determined below. Please continue to fill out all of Section B.
- The Solar CEC-AC kW calculated from the Application cannot exceed 5% of the CEC-AC kW listed above

	(1) Solar CEC-AC rating[A]	_____ (kW) X 1,664[B]	=	_____ (kWh)
AND/OR	(2) Wind Nameplate rating	_____ (kW) X 2,190[C]		_____ (kWh)
	(3) Total Energy Production	(1) + (2)		_____ (kWh)

Estimated Annual Energy Usage:

	(4) Recent annual usage	_____ (kWh) X 1.1	=	_____ (kWh)
OR (If 12 months usage not available)	(5) Building size	_____ (sq ft) X 3.32[D]	=	_____ (kWh)
AND	(6) I plan to increase my annual usage (kWh) by			_____ (kWh)
	(7) Total Energy Usage	(2 or 3) + (4)	=	_____ (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 J to read the provisions around Net Surplus Compensation (NSC).

[A] 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

[B] 8,760 hrs/yr x 0.19 solar capacity factor = 1,664

[C] 8,760 hrs/yr x 0.25 wind capacity factor = 2,190

[D] 2 watts/ sq ft x 1/1,000 watts x 8,760 hrs/yr x 0.19 solar capacity factor = 3.32

AGREEMENT AND CUSTOMER AUTHORIZATION
Net Energy Metering Interconnection For Solar And/Or Wind Electric Generating Facilities Of 30 Kilowatts Or Less

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 NEM Account: Select one rate from the category applicable to you. Visit www.pge.com/rateoptions or call (800)-PGE-5000 for rate information.

Residential Service Rate (Select one):

- ❑ E-1 – Non-Time-of-Use
- ❑ E-6 – Time-of-Use
- ❑ E-7[E] – Time-of-Use
- ❑ E-8[F] – Non-Time-of-Use
- ❑ E-9A[F] – Time-of-Use for Customers with a single meter for Electric Vehicle (EV) recharging station and home
- ❑ E-9B[F] – Time-of-Use for Customers with a separately metered EV recharging station
- ❑ EV-A[F] – Time-of-Use for Customers with a single meter for Electric Vehicle (EV) recharging station and home
- ❑ EV-B[G] – Time-of-Use for Customers with a separately metered EV recharging station
- ❑ Other (_____)

Small and Medium Commercial Service Rate (Select one rate and primary or secondary service voltage):

	Primary	Secondary
❑ A-1 – Small General Service	❑	❑
❑ A-6 – Small General Time-of-Use Service	❑	❑
❑ A-10 – Medium General Demand-Metered Service	❑	❑
❑ A-10 – Medium General Time-of-use Service	❑	❑
❑ B-1 – Small General Service	❑	❑
❑ B-6 – Small General Time-of-Use Service	❑	❑
❑ B-10 – Medium General Time-of-Use Service	❑	❑
❑ Other (_____)	❑	❑

Agricultural Power Service Rate: (Select one rate and rate option):

	A	B	C	D	E	F
❑ AG-1	❑	❑				
❑ AG-R[F] – Split-Week Time-of-Use	❑	❑		❑	❑	
❑ AG-V[F] – Short-Peak Time-of-Use	❑	❑		❑	❑	
❑ AG-4 – Time-of-Use	❑	❑	❑	❑	❑	❑
❑ AG-5 – Time of Use	❑	❑	❑	❑	❑	❑
❑ Other (_____)	❑	❑	❑	❑	❑	❑

If your current rate is a closed rate, as identified in Footnote F, and you are now opting to move to a non-closed rate per the Otherwise Applicable Rate Schedule (OAS) for NEM Account, please check the box below acknowledging that you are leaving the closed rate and will not be able to select the closed rate in the future.

❑ I acknowledge and consent to leaving my current rate that is a closed rate

[E] E-7, E-8, E-9A, E-9B, AG-R, and AG-V are closed to all new customers and are only available to Customers that are currently on the rate
[F] Rates effective August 1, 2013 for Customers with Electric Vehicles. Please visit www.pge.com/electricvehicles for more rate information

AGREEMENT AND CUSTOMER AUTHORIZATION
Net Energy Metering Interconnection For Solar And/Or Wind Electric Generating Facilities Of 30 Kilowatts Or Less

Part IV – Interconnection Agreement Provisions

A. Purpose

The purpose of this Net Energy Metering (NEM) Application and Interconnection Agreement for Solar and/or Wind Electric Generating Facilities of 30 Kilowatts or Less (Agreement) is to allow Customer to interconnect with Pacific Gas and Electric Company's (PG&E) Distribution System, subject to the provisions of this Agreement and PG&E's Electric Schedule Net Energy Metering (NEM). Customer has elected to interconnect and operate its solar and/or wind electric Generating Facility in parallel with PG&E's Distribution System to offset part or all of the Customer's own electrical requirements at this service point. Customer shall comply at all times with this Agreement as well as with all applicable laws, tariffs and requirements of the California Public Utilities Commission (CPUC).

B. Applicability

This Agreement applies to Electric Schedule NEM Customer-Generators (Customer) who interconnect a solar and/or wind turbine electrical 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.

C. 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.

D. 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.

E. 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 electrical 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.

F. 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 electrical 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.

G. 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.

H. Rate

Customer has confirmed their otherwise applicable rate schedule (OAS), establishing how 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.

I. NEM Billing

PG&E installs a "net meter" on a customer's property that measures the net energy, defined as the difference between the amount of electricity supplied by the energy provider and the amount of electricity exported to the grid over the course of a month. The Customer's account is enrolled in the NEM program and put on an annual (12- billing months) true-up cycle.

The meter is read monthly and an amount is calculated based on the net energy recorded in kilowatt hours (kWh). If a customer exported more electricity than they drew from PG&E 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.

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 NEM billing is available at www.pge.com/nembilling.

J. Net Surplus Compensation (NSC)

NSC payments are made to NEM 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. Participants in NEMA, please see provisions in Form 79-1153.

K. 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.

L. 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.

M. 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.

N. 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 NEM.

O. Meter Access

The electric meter must be installed in a safe location easily accessible upon PG&E request.

P. 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 NEM.

Q. 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.)

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.

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:

[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,
3. Evidence of the Customer 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.

Part IV – Interconnection Agreement Provisions – Continued

IMPORTANT INFORMATION FOR CUSTOMERS – BE SURE TO READ THIS ENTIRE DOCUMENT BEFORE SIGNING – THIS IS A LEGALLY BINDING CONTRACT – READ IT CAREFULLY.

THIS FORM MUST BE SIGNED BY AN EXISTING PG&E CUSTOMER.

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 will accept electronic signatures that are verified by qualified Third Parties such as, Adobe EchoSign, e-SignLive, and DocuSign for this Agreement if the Agreement is completed in its entirety before signing.

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 NEM requirements.

ELECTRIC SAMPLE FORM 79-1154
AGREEMENT FOR ECONOMIC DEVELOPMENT
INCENTIVE ON ELECTRIC SERVICE

Please Refer to Attached
Sample Form

Pacific Gas and Electric Company

AGREEMENT FOR ECONOMIC DEVELOPMENT RATE ON ELECTRIC SERVICE

DISTRIBUTION

- ☐ Customer (Original)
- ☐ Area
- ☐ Service Analysis (Original)
- ☐ Customer Billing
- ☐ _____

REFERENCES

SA #: _____

Premises #: _____

Control #: _____

_____

_____

_____

This agreement is made between _____ _____ a(n)_____ ("Applicant"), and PACIFIC GAS AND ELECTRIC COMPANY (PG&E), a California Corporation, and if applicable, shall be made part of PG&E's Electric Service Agreement, General Service - Time Metered.

RECITALS: The Economic Development Rate (Schedule EDR) was established and is made available to qualified customers in PG&E's service territory, subject to approval by PG&E and the California Governor's Office of Business Investment Services (GO-Biz). Schedule EDR is a five-year rate reduction.

AGREEMENT: Applicant and PG&E agree to the following terms and conditions:

1. QUALIFICATION CRITERIA.
   (*Please mark the appropriate space below)*

a. _____ **Above 150 kW of demand**: Applicant is or will be a customer, eligible for and receiving service under Schedule A-10, E-19, E-20, B-10, B-19 or B-20 or its successor rate schedule. A customer with multiple service accounts within a single aggregation envelope, as defined in PG&E's Schedule EDR, may aggregate load from their Schedule A-1, A-6, A-10, B-1, B-6 and B-10 service accounts for purposes of meeting the minimum 150 kilowatts (kW) threshold required for eligibility under Schedule EDR, subject to the conditions in Schedule EDR. This customer must be a relocatable type of business; retail stores, hospitality services, schools, or government buildings are examples of customers types that cannot practicably relocate out-of-state. Customers receiving Direct Access service or service from a Community Choice Aggregator may also qualify for Schedule EDR.

The electric load subject to this agreement is a maximum billing demand of at least 150 kW of net new load to the state of California or of net retained load in the state of California, which is regularly supplied by PG&E. The minimum 150 kW of net new or retained load must be maintained for at least three consecutive months during the initial 12 months of this agreement. Only new or retained load that will be regularly served by PG&E will be eligible for this rate reduction.

b. _____ **150 kW of demand and below**: Applicant is or will be a Small Business Customer as defined herein, eligible for and receiving service under Schedule A-1, A-6, B-1 or B-6 or its successor rate schedule, with less than 150 kW of load. All other conditions of Schedule EDR apply. This customer must be a relocatable type of business; retail stores, hospitality services, schools, or government buildings are examples of customers types that cannot practicably

relocate out-of-state. Customers receiving Direct Access service or service from a Community Choice Aggregator may also qualify for Schedule EDR. Only new or retained load that will be regularly served by PG&E will be eligible for this rate reduction.

Applicant eligibility shall be subject to the review and approval of the California Governor's Office of Business and Economic Development (GO-Biz), without which approval PG&E shall not be required to provide the rate reduction.

2. RATE REDUCTION. Electric service to Applicant's premises shall be delivered under Applicant's otherwise applicable tariff (OAT), which is _____. Subject to the customer's qualifications and availability under the program limits as set forth in Schedule EDR, *Economic Development Rate*, the applicable rate option will be one of the following (*Please mark the appropriate space below)*:

a. _____ The Standard EDR Option provides a rate reduction of twelve (12) percent off the customer's bundled net OAT charges (excluding taxes) for five years.

b. _____ The Mid-Enhanced EDR Option provides a rate reduction of eighteen (18) percent off the customer's bundled net OAT charges (excluding taxes) for five years for a customer (a) located in (i) a county with an annual unemployment rate between 130 percent and 150 percent of the state's average annual unemployment rate as reported on the most recent Report 400 C Monthly Labor Force Data for Counties, Annual Average Revised or (ii) a city with annual unemployment rates between 130 percent and 150 percent of the state's annual unemployment rate as reported on the most recent Monthly Labor Force Data for Cities and Census Designated Places Annual Average Revised, issued annually by the State of California Employment Development Department, and (b) either the county or city has an unemployment rate above five (5) percent.

c. _____ The Enhanced EDR Option provides a rate reduction of twenty-five (25) percent off the customer's bundled net OAT charges (excluding taxes) for five years for a customer (a) located in (i) a county with annual unemployment rates greater than 150 percent of the state's average annual unemployment rate as reported on the most recent Report 400 C Monthly Labor Force Data for Counties, Annual Average Revised or (ii) in a city with annual unemployment rates greater than 150 percent of the State's annual unemployment rate as reported on the most recent Monthly Labor Force Data for Cities and Census Designated Places, Annual Average Revised, issued annually by the State of California Employment Development Department, and (b) either the county or city has an unemployment rate above five (5) percent. Customers locating in a county or city where the unemployment rate is above 11 percent (based on the same State of California labor reports listed immediately above), even if the local unemployment rate is less than 150 percent of the state's unemployment rate, are also eligible for the Enhanced EDR Option.

This rate reduction shall be calculated in the manner set forth in Schedule EDR. The rate reduction percentage shall be _____ percent for this agreement.

3. APPLICABLE LOAD. PG&E reserves the right to reduce the contracted demands stated by the Applicant below, if it is determined that the Applicant's actual load at full operation of the facility after the Commencement Date of this Agreement, is more than 10% less than the contracted maximum demands stated below.

[Please mark the appropriate space below, indicating whether this is an agreement for the Applicant's entire load or only a portion of the Applicant's load.]

a. _____ New Customer Locating or Existing Customer Retaining (includes avoidance of business closure) Entire Load in PG&E's Service Territory.

   The Customer's entire load will be eligible for the rate reduction. The maximum contracted demand is estimated to be _____ kW.

b. _____ Retention of Customer's Partial Load or Expansion of Existing Customer's Load.

   For expansion and retention cases for only part of a customer's load, the rate reduction will be calculated only on that portion of demand and usage added or retained. The contracted demand of the partially retained or expanded load is estimated to be _____ kW.

   The Excluded Demands are determined by averaging the Applicant's four highest measured maximum demands during each of the two seasonal 6-month periods preceding the execution date of this agreement, if available. If Applicant separately meters the Reserved Demand, Applicant's Excluded Demand will be zero (0) for both seasons. PG&E and Applicant agree that the Excluded Demand is:

   Summer period: _____kW

   Winter period: _____kW

   The EDR Ratio for each month is defined as the difference between the Applicant's maximum demand for that month and the Excluded Demand divided by that same month's maximum demand. If the EDR Ratio is negative, there will be no rate reduction for that month, or in other words, the EDR Ratio will be zero (0). The EDR Ratio shall be a fraction no greater than one (1) or less than zero (0).

4. COMMENCEMENT DATE. The rate reduction shall commence on the Applicant's regularly scheduled meter read day in the month of _____, 20____ which is within a 24-month period of the date of execution of this agreement as required by rate Schedule EDR, Special Condition 2.

5. METERING. Applicant agrees to be responsible for all costs associated with providing separate electric metering if PG&E, at its sole discretion, deems such metering a necessary condition to implement this rate. If Applicant is deemed to require separately metered reserved demand, Applicant must have metering in place before the rate reduction will apply. Applicant's inability to have required metering in place shall not delay the commencement date provided for in Section 4 by which Applicant would have otherwise received the rate reduction.

6. TERM OF AGREEMENT & NO RENEWALS. This agreement shall take effect immediately and remain in effect for a term of five (5) years following the commencement date of the rate reduction, subject to all of the other conditions of this agreement Applicant will not be eligible to receive a renewed EDR rate reduction agreement in the future for any load previously served under this agreement, or any previous PG&E Economic Development Program..

7. TERMINATION OF AGREEMENT. Applicant may terminate this agreement upon 30 days written notice. PG&E may also terminate this agreement upon 30 days written notice in the event Applicant no longer meets the qualifications described elsewhere in this Agreement and in rate Schedule EDR. Notwithstanding these rights of termination, the Applicant shall be subject to Liquidated Damages as provided for in Section 13 of this agreement

8. TRANSFERS OFF OF SCHEDULES A-10, E-19, E-20, B-10, B-19 AND B-20 (Does not apply to a Small Business Customer). If Applicant's maximum demand drops for a period of time so that the Applicant is no longer eligible for A-10, E-19, E-20, B-10, B-19 or B-20, or its successor rate schedule, or if the Applicant's maximum billing demand falls under 150 kW for twelve consecutive months, the Applicant will be ineligible for continuing service under rate Schedule EDR, unless Applicant can establish – to PG&E's satisfaction – that the reduction was due to Applicant's energy usage reduction efforts.

9. ENERGY USAGE REDUCTION REQUIREMENT AND AUDIT. Applicant hereby grants to PG&E the right to conduct a plan review, site inspection and/or energy audit for the purpose of identifying and making available applicable energy usage reduction options. PG&E will advise Applicant of cost-effective energy usage reduction options, which may include. any energy efficiency projects, demand-side management solutions, participation in demand-response programs that reduce energy use by 5% over a year cumulatively, savings-by-design for new builds that exceed California's building requirements for energy reductions of 5% or more, on-site renewables generation, among other methods (but excluding fossil-fuel, on-site generation). Applicants for all three types of EDR rate reductions shall implement measures, such as those presented by PG&E, to achieve a 5% energy usage reduction during the term of this EDR agreement. Compliance with this energy usage reduction requirement will be determined through an on-site audit performed by PG&E during year three of this agreement. If

the audit shows the Applicant has not yet achieved a 5% energy usage reduction, PG&E may discontinue the rate reduction benefit for the remainder of the term of this agreement, or at PG&E's discretion, PG&E may establish an action plan to achieve at least a 5% energy usage reduction, and the plan shall include an additional audit to verify achievement of at least a 5% energy usage reduction within the fifth year of the agreement.

10. JOBS REPORTING. Applicant will report to PG&E by January 15 (or the first business day thereafter) of each year a listing of each job retained or created during the previous calendar year of the life of this agreement that is attributable to the Applicant's participation in the economic development rate program. Applicant will also include the amount of wage and benefits attributable to each job so listed.

11. THIRD-PARTY VERIFICATION. Applicants who are projected by PG&E to receive over one hundred thousand (100,000) dollars of savings per year from the EDR are subject to an annual, third-party, after-the-fact EDR audit. The purpose of the audit is to verify contribution to margin, the number of jobs created, wages and benefit information, and document other indirect economic benefits to the community. (See also Section 9 above regarding separate audit of 5% or more energy usage reduction, to take place during year three of the agreement.)

12. "BUT FOR" TEST. Applicant attests that "but for" the terms of this agreement, either on its own or in combination with a package of offerings and/or other incentives and consideration factors made available to the Applicant from other sources, the Applicant would not have moved its operations to California from elsewhere, or retained, or expanded its operations within California. Applicant shall sign the attached affidavit to that effect.

13. LIQUIDATED DAMAGES. If this agreement is terminated due to Applicant's misrepresentation or fraud, Applicant shall be liable for liquidated damages that equal 200% of the cumulative difference between (i) the bills calculated under the Schedule EDR rate to the date of termination; and (ii) bills that would have been calculated under the OAT.

14. ASSIGNMENT. Applicant may assign this agreement only if PG&E consents in writing and the party to whom the agreement is assigned agrees in writing to be bound by this agreement in all respects.

15. COMMISSION JURISDICTION. This contract shall at all times be subject to such changes or modifications 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. In addition, this contract shall be subject to all of PG&E's tariffs on file with and authorized by the Commission. This contract also shall be subject to review in any proceeding the Commission may conduct regarding PG&E's Economic Development Rate program implementation.

16. ATTESTATION AND VERIFICATION. Applicant attests and verifies that the information Applicant supplied to PG&E and any other reviewing agency used to qualify Applicant for Schedule EDR is true and correct to the best of Applicant's knowledge.

Executed this _____day of _____, 20____.

BY:	**BY:**
	PACIFIC GAS AND ELECTRIC COMPANY
_____ (Customer)	_____
_____ (Signature)	_____ (Signature)
_____ (Type/Print Name)	_____ (Type/Print Name)
_____ (Title)	_____ (Title)

AFFIDAVIT FOR ECONOMIC DEVELOPMENT RATE

By signing this affidavit, an Applicant who retains or expands load in the service territory of Pacific Gas and Electric Company (PG&E), or moves its operations to California from elsewhere, hereby certifies and declares under penalty of perjury under the laws of the state of California that the statements in the following paragraphs are true and correct:

1. But for the receipt of the economic development rate reduction and the terms of the Agreement, either on its own or in combination with an economic development incentive package, the Applicant's load would not have been retained or expanded within California, or moved to California from elsewhere.

2. The load to which the Agreement applies represents kilowatt-hours (kWh) and kilowatts (kW) that the Applicant is either:

   a. Using at a business which Applicant is considering closing in the state of California; or

   b. Expanded load at an existing business which Applicant is already operating, which Application was considering not expanding in the State of California; or

   c. Load which the Applicant did not have in the State of California but is considering moving to California from elsewhere.

3. Applicant has discussed with PG&E options for cost-effective energy usage reduction measures. The Applicant understands that during the term of this Agreement, Applicant must make energy usage reductions of at least 5% relative to existing building codes, which will in turn reduce their electric bills as well as the load they place on the Utility System.

Executed this _____day of _____, 20_____.

_____
Applicant

BY: _____
Signature

_____
(Type or print name)

TITLE: _____

ELECTRIC SAMPLE FORM 79-1159
ELECTRIC VEHICLE SUBMETERING PILOT (PHASE 1)
CUSTOMER ENROLLMENT AGREEMENT

Please Refer to Attached
Sample Form

I. Customer Enrollment Agreement - Electric Vehicle Submetering Pilot (Phase 1)

TERMS AND CONDITIONS

This Participation Agreement ("Agreement"), effective upon the date a Customer Enrollment Agreement is submitted, is entered into between Pacific Gas and Electric Company ("PG&E"), a California corporation, with principal offices located at 77 Beale St, San Francisco CA 94105, and customers that receive electric service from PG&E (hereafter, "Participant," "Customer," or "you"). PG&E and Participant are referred to jointly as "Parties."

A. PURPOSE AND OVERVIEW OF THE PHASE 1 PILOT

PG&E is conducting a temporary Plug-in Electric Vehicle (EV) Submeter Pilot. To participate in Phase 1 of the Pilot, Customers must read and agree to the terms and conditions of this Agreement and be eligible for an applicable separately-metered EV Rate. The customer enrollment process is described in the Customer Enrollment Agreement.

The applicable EV Rates require a separate meter to measure only the energy used to charge electric vehicles, which will be charged at a different rate than the rest of your residence or business. For this Pilot, the separate meter must be a submeter owned by the Customer or by a third party. This Pilot is available to eligible customers within all of PG&E's service districts and limited to 500 submeters on a first-come, first-served basis. Customers on a Net Energy Metering (NEM) rate are eligible but will be limited to 20% of the participation cap.

As a Participant in this Pilot, you agree to install an eligible Customer- or third party-owned submeter that meets the California Public Utilities Commission (CPUC)--approved Standards for Metering Products (accuracy and intervals) for the exclusive use of tracking the energy used to charge your electric vehicle to be billed on the applicable submeter Rate. Your Submeter Meter Data Management Agent (Submeter MDMA) will be required to collect and transmit your submeter usage data to PG&E as scheduled in the required format in compliance with the Submeter MDMA Performance Requirements (copy available upon request). You will retain sole responsibility for paying the entire monthly bill including EV and other charges regardless of any agreement between you and your Submeter MDMA.

This Pilot will begin on September 1, 2014. Any Customer enrolled in the Pilot will be eligible to participate for no more than 12 consecutive billing cycles; however the Customer may terminate participation in the pilot at any time. When Pilot participation ends, the submeter Rate will be terminated for the submetered account. Thereafter, any future electric vehicle charging will be billed at the Customer's otherwise applicable tariff rate for the primary meter. Customers are encouraged to contact PG&E to discuss available electric vehicle rates.

In addition, you agree to provide an independent evaluator paid by the Investor Owned Utilities (IOUs) with feedback on your experiences with Pilot participation, including enrollment, equipment installation, and billing. In accordance with the CPUC's instruction, this survey will not be burdensome. Additionally, you may be required to provide access to your home or facility for the evaluator to perform tests on your submeter. Such submeter testing is only required of five percent of participating customers. If your submeter is selected for testing, tests will be arranged at a convenient time, and your MDMA may be present. No adjustments to your primary or submetered accounts billed over the course of your participation in the Pilot will be made regardless of whether the submeter is found to violate CPUC meter accuracy standards.

B. ELIGIBILITY

To be eligible to participate in the Pilot, Participants must:

1. Have an active PG&E service account;
2. Have an eligible PG&E interval data recorder (IDR) meter;
3. Charge a plug-in electric vehicle at that account;
4. Have an approved submeter installed for the exclusive use of tracking the energy used to charge your electric vehicle;
5. Be a Bundled Service Customers or Community Choice Aggregation (CCA) customer (i.e. does not participate in Direct Access (DA) or Community Aggregation (CA) service;
6. Not participate in either the Balance Payment Plan or Automatic Payment Plan options offered by PG&E for the duration of their participation in this pilot if their Submeter MDMA provides remittance payments to PG&E. If participant is already enrolled in one of these plans, they must unenroll for just the duration of their participation in this pilot.

C. DUTIES AND OBLIGATIONS OF PG&E:

PG&E will:

1. Respond promptly to questions from a Submeter MDMA on customer's eligibility without disclosing confidential customer data.
2. Enroll you in the Pilot beginning with your next PG&E billing period, provided that you or your Submeter MDMA has submitted your complete Customer Enrollment Agreement at least five (5) business days prior to the end of your current billing period.
3. Receive your submeter EV usage information from your Submeter MDMA;
4. Use this information to separately calculate your usage for charging your electric vehicle on the applicable EV rate and the rest of your home or business usage on your current rate. Accuracy of your bill is dependent on receiving timely and accurate information from your Submeter MDMA and the accuracy of the submeter itself.
5. Late or incomplete EV submeter usage information will be disregarded (treated as if there was no EV usage for the time interval(s) involved) only where the Submeter MDMA action is the cause of the data transmission failure. As a result, any actual EV charging during these intervals will be billed at your current rate and will not be adjusted in any future bills if any EV usage data is subsequently received.
6. Provide you a summary bill reflecting all of your charges, including your submetered EV usage;
7. After 12 consecutive billing cycles PG&E will close your submeter account. Your entire usage will then be charged at your otherwise applicable rate.
8. Commercial/Industrial customers with submeter usage billed under a Time-of-Use tariff, shall receive a payment applied as a bill credit of $20/month per submeter. PG&E may petition the CPUC's Energy Division to terminate this ongoing customer payment, with no cost, liability, or further obligation, if Submeter MDMA fails to meet its performance requirements. These payments are applicable only for Phase 1 of the Pilot, which ends after 12 billing cycles for a customer participant and no later than August 31, 2016.

D. DUTIES AND OBLIGATIONS OF PARTICIPANT:

Participant or its agent will:

1. Install or have installed a qualified submeter[1] for the exclusive use of tracking the energy used to charge your electric vehicle;
2. Own the EV submeter and be entirely responsible for its ongoing maintenance and services.
3. Request the submeter to be placed on an applicable EV rate schedule for its electric vehicle charging usage during the Pilot.
4. Have a Submeter MDMA provide PG&E with your submeter usage data as scheduled in the required format in compliance with the MDMA performance requirements (copy available upon request).
5. The Submeter MDMA must report a customer drop out or change of address to PG&E within 10 days.

Participant will:

1. Provide an independent third party evaluator with feedback on your experiences with Pilot participation, including enrollment, equipment installation, and billing.
2. Agree that the EV submeter and submeter usage information may not meet the accuracy standards or metering tariff standards required by PG&E for general billing purposes, and waive all rights and remedies related to such accuracy standards and metering tariffs, including any information provided to Participant based on such submeter usage or other information through other PG&E programs or services. In addition, for purposes of the Pilot, Participant's EV usage will be billed solely based on the submeter data provided by the Submeter MDMA, which is solely responsible for the accuracy and timely delivery to PG&E of submeter usage information.
3. If selected, provide access and assistance to facilitate random meter testing by an independent 3rd Party Evaluator.
4. In the event the Participant has a change of address, be allowed to re-enroll for the remainder of the Participant's pilot term. For customers that relocate within the service territory: 1) their MDMA must submit a separate Customer Enrollment Agreement for their new service address at least five days before the end of the current billing period; and 2) they are eligible to reenroll in the Pilot after the Enrollment Period. Similarly, for customers that relocate to another IOU's service territory, they may reenroll if PG&E's 500 submeter limit has not been met.
5. Retain sole responsibility for paying the entire monthly bill including EV and other charges regardless of any agreement between you and your Submeter MDMA.

E. TERMINATION:

1. This Agreement shall be effective for no more than 12 consecutive billing cycles after Pilot enrollment.

[1] The IOUs included CPUC's Energy Division's Temporary Submetering Performance and Data Communication Requirements in EV Submeter Pilot Phase 1 Performance Standards for Metering and Meter Data Management Agents.

2. PG&E may petition the CPUC's Energy Division to terminate this Agreement, with no cost, liability, or further obligation, if Submeter MDMA fails to meet Submeter MDMA performance requirements for three consecutive months.
3. PG&E shall have the right to modify or immediately terminate this Agreement upon written notice to Participant if PG&E determines this Agreement would be inconsistent with, or violate any rule, regulation, or policy of the CPUC or other applicable laws or where Participant fails to satisfy its obligations as set forth in Section D above.
4. Participant shall notify PG&E promptly if Participant no longer desires to participate in the Pilot.
5. PG&E will notify the Participant if the Submeter MDMA service is terminated and the Participant may complete the remainder of the pilot subject to completing the requirements to re-enroll with an alternative Submeter MDMA.

F. NOTICES

PG&E will provide notices to Customer about this Pilot by email or mail to the customer name and address listed on the Customer Enrollment Agreement. Notices from customer to PG&E hereunder shall be in writing and must be either personally delivered; sent by facsimile transmission; or sent by registered or certified mail, postage prepaid, return receipt requested, as follows:

To PG&E:

PG&E Records Unit
PO Box 8329
Stockton, CA 95208
1-800-PGE-5000 (1-800-743-5000)

To Participant: Customer name and address as identified on PG&E customer account.

G. LIMITATION OF LIABILITY:

1. Participant shall indemnify, hold harmless and defend PG&E and its directors, employees, agents, and contractors from any and all costs, liabilities, claims and expenses, including those from death or injury to any person or from a loss or damage to any real, personal or other property, arising from, or in connection with, this Agreement, unless solely caused by the negligence or willful misconduct of PG&E.
2. In no event shall PG&E be liable for any incidental, indirect, special, consequential, or punitive damages (including lost income), for any cause of action, whether in contract or tort, arising in any manner from this Agreement or the performance or non-performance of its obligations under this Agreement, regardless of the cause or foreseeability thereof. Unless solely caused by PG&E's negligence or willful misconduct, and except as expressly stated otherwise in this Agreement, PG&E shall not be liable for any costs, liabilities, claims or expenses in connection with this Agreement, including any loss or damage to any Participant's property. Further, the amount of PG&E's aggregate liability or damages shall not exceed ten thousand dollars ($10,000.00).
3. Participant acknowledges that PG&E has not promised Participant energy or bill savings from use of the EV submeter and/or participation in the Pilot.

4. Participant will hold PG&E harmless for its participation in and use of any other PG&E programs or features during the course of this Pilot. Programs such as My Account and Green Button may be available to customers participating in this Pilot but the data may not be all inclusive.
5. Participant will hold PG&E harmless for its inability to participate in PG&E's Automatic Payment and Balance Payment Plan, during the course of this Pilot.

H. WARRANTY DISCLAIMER:

PG&E makes no warranties, whether statutory, express, or implied, including, but not limited to, any warranties regarding the safety, design, construction, function, performance, fitness for a particular purpose, or placement of customer-owned or third party owned submeters, or any benefits to be derived from the placement, operation, or use of the customer owned or third party owned submeters.

I. APPLICABLE LAW:

This Agreement shall be interpreted, governed and construed under the laws of the State of California, without reference to its choice of law provisions, and it is subject to modifications by the California Public Utilities Commission in the exercise of its jurisdiction.

J. ENTIRE AGREEMENT:

This Agreement contains the entire agreement and understanding between the Parties related to Participant's participation in the Pilot, except for additional terms and conditions that are subsequently made a part of PG&E's tariffs as part of the further implementation of this Pilot. This Agreement supersedes all prior representations and discussions between PG&E and Participant pertaining to its subject matter. 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.

K. **APPLICABLE PG&E RATE FOR PHASE ONE OF THIS PILOT**:

1. Where the Primary Meter qualifies for Residential Service:

   •*Rate Schedule EV, option B*

2. Where the Primary Meter qualifies for Commercial/Industrial Service

   Rate Schedule A-1 or B-1 (customers < 75 kW)

   Rate Schedule A-10 or B-10 (customers > 75 kW < 500 kW)

   Rate Schedule A-6 or B-6 (customers with demands < 500 kW)

   Rate Schedule NEM may be applied as a "rider" to all the schedules above and would be applicable to customers with photovoltaic (PVs) meeting the tariff requirements.

More detail on these rates can be found at **http://www.pge.com/tariffs**

Customer Enrollment Agreement Instructions

STEP 1: Read the Plug-In Electric Vehicle Submetering Pilot (Phase 1) Participation Agreement in its entirety

STEP 2: Install an eligible Submeter(s), if not already installed, owned or leased by you or your Electric Vehicle Service Provider (EVSP)

STEP 3: Retain the services of a PG&E-approved Submeter Meter Data Management Agent (Submeter MDMA)

STEP 4: Complete this Customer Enrollment Agreement (Your Submeter MDMA may assist you with completing the form)

STEP 5: Sign the last page of this form (Section 4) to authorize the Entire Agreement

STEP 6: Have your Submeter MDMA sign the last page of this form (Section 5) to authorize the Entire Agreement

STEP 7: You or Your Submeter MDMA must submit this Customer Enrollment Agreement to PG&E for processing

- Retain a copy of the completed Agreement for your records
- You or your Submeter MDMA must submit this Agreement at least five (5) business days before end of your billing period for you to be enrolled in the next billing period
- Form may be submitted to PG&E at the contact below:

PG&E Records Unit
PO Box 8329
Stockton, CA 95208
1-800-PGE-5000 (1-800-743-5000)

- Commercial Customers supported by a PG&E Representative may be provided this form directly

Processing:
PG&E will review the Agreement and reply as follows:

- If Agreement is incomplete or inaccurate: You and your Submeter MDMA are notified. You and your Submeter MDMA complete Agreement and resubmits to PG&E
- If Agreement is complete: Enrollment process continues. Upon completion, PG&E will inform you and your Submeter MDMA when your EV Submetering Pilot (Phase 1) participation begins.

Authorization To Release Customer information And Act On A Customer's Behalf

INFORMATION, ACTS AND FUNCTIONS AUTHORIZED:

By signing this form to add the customer service account(s) set forth below, I, Customer, authorize my Agent (the Submeter MDMA) to act on my behalf to request and receive billing, usage, and meter data for the account(s) specified herein, to the extent such billing, usage, and meter data is associated with my dates of enrollment in the Pilot. This authorization also provides authority to the Submeter MDMA to act on my behalf of request rate changes necessary to participate in the Pilot.

I (Customer) authorize my Submeter MDMA to act on my behalf to perform the following selected specific acts and functions:

1) Yes ☐ No ☐ Request rate changes necessary for me to participate in the Electric Vehicle Pilot (Phase 1).
2) Yes ☐ No ☐ Receive a copy of my monthly PG&E bill for the duration of my participation in the Electric Vehicle Pilot (Phase 1).

Authorization is given for the period commencing with the date of execution of this Agreement until either the pilot ends or I decide to terminate my participation. If I, Customer, wish to release additional information to my agent, Submeter MDMA, or extend the timeframe during which this information will be released, I acknowledge that I must complete, sign and submit PG&E Form (79-1159).

Yes ☐ No ☐ I (MDMA) will provide PG&E remitted payments to be credited toward (Customer's) account as part of my submetering service.

I understand that if my submeter MDMA provides remittance payments to PG&E, I cannot participate in either the Balance Payment Plan or Automatic Payment Plan options offered by PG&E for the duration of my participation in this Pilot. If I am already enrolled in one of these plans, I must unenroll for the duration of my participation in this Pilot.

RELEASE OF ACCOUNT INFORMATION:

I (Customer), _____(print name of authorized signatory), declare under penalty of perjury under the laws of the State of California that I am authorized to execute this document on behalf of the Customer of Record listed on this form and that I have authority to financially bind the Customer of Record. I further certify that my Submeter MDMA, _____ (print name of Submeter MDMA), has authority to act on my behalf and request the release of information for the accounts listed on this form and perform the specific acts and functions listed above, including rate changes. I understand that PG&E reserves the right to verify any authorization request submitted before releasing information or taking any action on my behalf. I authorize PG&E to release the requested information on my account or facilities to the above Submeter MDMA who is acting on my behalf regarding the matters 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 release of information to my Submeter MDMA pursuant to this Authorization; 2) the unauthorized use of this information by my Submeter MDMA; and 3) from any actions taken by my Submeter MDMA pursuant to this Authorization, including rate changes. I understand that I may cancel this authorization at any time by submitting a written request.

REVOCATION:

Customer may cancel this Authorization at any time by contacting PG&E at (415) 973-0335. Consent from the Submeter MDMA is not required for Customer to cancel this Authorization. To the extent the

Pilot expires or otherwise terminates, the Authorization granted herein will automatically be revoked regardless of whether the Customer submits a request to cancel the Authorization.

Entire Agreement This Agreement, together with the applicable EV Rate and Plug-in Electric Vehicle Submetering Pilot Terms and Conditions, contains the entire agreement and understanding between the Parties related to Participant's participation in the Pilot, except for additional terms and conditions that are subsequently made a part of PG&E's tariffs as part of the further implementation of this Pilot. This Agreement supersedes all prior representations and discussions between PG&E and Participant pertaining to its subject matter.

Section 1 **Property Type (Check one)**

❑ Detached Home (Residential)
❑ Multi-family Dwelling/Attached Home (Residential)
❑ Commercial (Business)

Section 2 **PG&E Customer Account Information**

_ _ _ _ _ - _ _ _ _ - _ _ _ _
Customer
Account Number *(Appears below your name on your PG&E bill)*

_ _ _ _ _ _ _ _ _
Primary PG&E Electric Meter ID Number

Print First and Last Name *(As it appears on the PG&E bill)*

Customer Account Street Address

City | State | Zip

Telephone Number | Email Address (To be used for communications regarding Pilot)

If Commercial Account: Business Name | Contact Name | Title

** Alternate Mailing Address (Provide if applicable):*

Street Address

City | State | Zip

Section 3 **Submeter Information** *(If customer elects to have multiple Submeters, up to 19, please attach separate sheet for each submeter. Note: Multiple level submeters not allowed.)*

Submeter unique identifier *(Appears on the Submeter)*

Submeter Provisioning

Date Submeter(s) installed:

Expected Level of EV Charging (Level 1, 2 or 3)

Check all applicable statements:

☐ I (customer) verify that any Electric Vehicle Supply Equipment (EVSE), EVSE with embedded submeter, and/or stand-alone submeter installed prior to the Pilot was certified by an Occupational Safety & Health Administration (OSHA)-approved Nationally Recognized Testing Laboratory (NRTL). Any EVSE, EVSE with embedded submeter, stand-alone submeter, and related PEV charging circuits, were installed by a person or entity with a general electrical contractor's license issued by the California Contractors State License Board and obtained any required inspection and approval by the local Authority Having Jurisdiction (AHJ). The OSHA-approved list of NRTLs is maintained at: https://www.osha.gov/dts/otpca/nrtl/.

EVSE:	Manufacturer:	Model:	☐ NRTL Certified
EVSE with embedded submeter:	Manufacturer:	Model:	☐ NRTL Certified
Stand-alone submeter:	Manufacturer:	Model:	☐ NRTL Certified

☐ I (customer) verify that any EVSE, EVSE with embedded submeter, and/or stand-alone submeter installed as part of the Pilot is Underwriters Laboratories (UL)-certified or meets PG&E safety standards. Any EVSE, EVSE with embedded submeter, stand-alone submeter and related PEV charging circuits were installed by a person or entity with a general electrical contractor's license issued by the California Contractors State License Board and obtained any required inspection and approval by the local AHJ.

EVSE:	Manufacturer:	Model:	☐ UL Certified
EVSE with embedded submeter:	Manufacturer:	Model:	☐ UL Certified
Stand-alone submeter:	Manufacturer:	Model:	☐ UL Certified

Section 4 **Customer & Submeter MDMA Authorization**

[This form must be signed by someone who has authority to financially bind the customer]
[for example, CFO of a company or City Manager of a municipality]

Authorized Customer Signature	Print Name
Date	Phone Number
City and State Where Executed	

****

I (Submeter MDMA), hereby 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 and from the taking of any action pursuant to this authorization, including rate changes provided such utility action is consistent with applicable CPUC orders, tariffs and regulations.

Authorized Agent Signature	Company Name
Agent Name (Print)	Title
Street Address	Phone Number
City, State, ZIP	Email Address
Date	City and State Where Executed

ELECTRIC SAMPLE FORM 79-1179 Sheet 1

PLUG-IN ELECTRIC VEHICLE SUBMETERING PILOT PHASE 2
SINGLE CUSTOMER-OF-RECORD ENROLLMENT AGREEMENT

Please Refer to Attached
Sample Form

PLUG-IN ELECTRIC VEHICLE SUBMETERING PILOT PHASE 2

Single Customer-of-Record Enrollment Agreement

Terms and Conditions

This Participation Agreement ("Agreement"), effective upon the date a Customer Enrollment Agreement (CEA) is submitted, is entered into between Pacific Gas & Electric (PG&E), the customer that receives electric service from PG&E (hereafter, "Participant," "Customer," or "you") and the Submeter Meter Data Management Agent (Submeter MDMA) providing data management services. PG&E, Participant and Submeter MDMA are referred to jointly as "Parties."

A. Purpose and Overview of the Phase 2 Pilot

PG&E is conducting a temporary Plug-in Electric Vehicle (EV) Submeter Phase 2 Pilot. To participate in the Phase 2 Pilot, Customers must read and agree to the terms and conditions of this Agreement and be eligible for an applicable separately-metered EV Rate. The customer enrollment process is described in the Customer Enrollment Agreement.

The applicable EV Rate requires a separate meter to measure only the energy used to charge electric vehicles. PG&E will set up a separate service account and the energy used to charge EVs will be billed on the applicable EV rate schedule. The rest of the energy used at your residence or business will be billed at your otherwise applicable tariff. For the Phase 2 Pilot, the separate meter must be a submeter owned by the Customer or by a third-party. The Phase 2 Pilot is available to eligible customers within all of PG&E's service districts and limited to 500 submeters on a first-come, first-served basis. Customers on a Net Energy Metering (NEM) rate are eligible but will be limited to 20% of the participation cap (100 submeters).

As a Participant in the Phase 2 Pilot, you agree to install an eligible Customer- or third-party-owned submeter that meets the California Public Utilities Commission (CPUC) approved Submeter MDMA Registration Agreement, Attachment 1 - Performance Standards for Metering and Submeter Meter Data Management Agents, for the exclusive use of tracking the energy used to charge your electric vehicle to be billed on the applicable EV rate. Your Submeter MDMA will be required to collect and transmit your submeter usage data to PG&E as scheduled in the required format in compliance with the Submeter MDMA Performance Requirements (copy available upon request). You will retain sole responsibility for paying the entire monthly bill including EV and other charges regardless of any agreement between you and your Submeter MDMA. Your Submeter MDMA will be the single point-of-contact for all submeter data issues regardless of any agreement you or the Submeter MDMA may have with other organizations providing Submeter Pilot services on its or your behalf. PG&E will be the single point-of-contact for all PG&E billing issues.

The Phase 2 Pilot will begin on November 1, 2016, and enrollment will end on April 30, 2017. Any Customer enrolled in the Phase 2 Pilot will be eligible to participate for no more than 12 consecutive billing cycles; however, the Customer may terminate participation in the Phase 2 Pilot at any time by contacting PG&E. When Phase 2 Pilot participation ends, the EV rate will be terminated for the submetered account. Thereafter, any future electric vehicle charging will be billed at the Customer's otherwise applicable tariff rate for the primary meter. Customers are encouraged to contact PG&E to discuss available electric vehicle rates.

In addition, you agree to provide an independent evaluator, Nexant, paid by the Investor Owned Utilities (IOUs), with feedback on your experiences with Phase 2 Pilot participation, including enrollment, equipment installation, and billing. In accordance with the CPUC's instruction, this survey will not be burdensome. Additionally, you may be required to provide access to your home or facility for the evaluator to perform tests on your submeter. Such submeter testing is only required of five percent of participating customers. If

your submeter is selected for testing, tests will be arranged at a convenient time, and your Submeter MDMA may be present. No adjustments to your primary or submetered accounts billed over the course of your participation in the Phase 2 Pilot will be made regardless of whether the submeter is found to violate CPUC meter accuracy standards.

B. ELIGIBILITY

To be eligible to participate in the Phase 2 Pilot, Participants must:

1. Have an active PG&E service account with no Past Due Bills or Summary Bills (as defined by Rule 11).

2. Have an eligible PG&Einterval data recorder (IDR) SmartMeter®.

3. Charge a plug-in electric vehicle at that account.

4. Have an approved submeter installed for the exclusive use of tracking the energy used to charge their electric vehicle.

5. Be a Bundled Service Customers or Community Choice Aggregation (CCA) customer [i.e. does not participate in Direct Access (DA) or Community Aggregation (CA) service].

6. Not be on PG&E's EV-TOU rate (EV-A). If Participant is already enrolled, they must unenroll for the duration of their participation in the Phase 2 Pilot. If the customer is on EV-A PG&E will automatically enroll the customer on the E-1 rate upon enrollment and for the duration of the Phase 2 Pilot unless instructed otherwise.

7. Not participate in the Smart Rate/Smart Day program. If Participant is already enrolled, they must unenroll for just the duration of their participation in the Phase 2 Pilot.

8. Not participate in either the Budget Billing or Automatic Payment Plan options offered by PG&E for the duration of their participation in the Phase 2 Pilot if their Submeter MDMA provides remittance payments to PG&E. If participant is already enrolled in one of these plans, Participant must unenroll for just the duration of their participation in the Phase 2 Pilot.

9. Not participate in the California Independent System Operator (CAISO) sponsored demand response programs facilitated through Electric Rule 24.

C. DUTIES AND OBLIGATIONS OF PG&E:

PG&E will:

1. Respond promptly to questions from a Submeter MDMA on customer's eligibility without disclosing confidential customer data.

2. Enroll you in the Phase 2 Pilot beginning with your next PG&E billing period, provided that your Submeter MDMA has submitted your complete Customer Enrollment Agreement (CEA) at least five (5) business days prior to the end of your current billing cycle and if the volume of customer agreements in process at that time does not exceed an average of five (5) agreements per business

day over any five (5) business day period. In that event, your enrollment will be effective beginning with your subsequent PG&E billing period. Note: A CEA is not considered complete if it contains inaccurate, missing or crossed-out information.

3. Set up your separate service account and bill for energy used to charge your EV on the applicable EV rate schedule (i.e. Residential: EV-B; Commercial/Industrial: Rate Schedule A-1, A-10, A6, B-1, B-6 or B-10, depending on demand level);

4. Receive your submeter EV usage information from your Submeter MDMA;

5. Use this information to separately calculate your usage for charging your electric vehicle on the applicable EV rate and the rest of your home or business usage on your current rate. Accuracy of your bill is dependent on receiving timely and accurate information from your Submeter MDMA and the accuracy of the submeter itself.

6. Late, incomplete, or inaccurate EV submeter usage information will be disregarded [treated as if there was no EV usage for the time interval(s) involved] only where the Submeter MDMA action is the cause of the data transmission failure. As a result, any actual EV charging during these intervals will be billed at your current rate and will not be adjusted in any future bills if any EV usage data is subsequently received.

7. Work with you and your MDMA to resolve any disputes. Your Submeter MDMA will be the single point-of-contact for all submeter data issues regardless of any agreement you or the Submeter MDMA may have with other organizations providing Submeter Pilot services on your or your Submeter MDMAs behalf. PG&E will be the single point-of-contact for all PG&E billing issues.

8. Provide you a summary bill reflecting all of your charges, including your submetered EV usage.

9. After 12 consecutive billing cycles PG&E will close your submeter account. Your entire residence or business usage, including your EV usage, will then be charged at your otherwise applicable rate.

D. DUTIES AND OBLIGATIONS OF PARTICIPANT:

Participant or its agent will:

1. Install or have installed a qualified submeter[1] for the exclusive use of tracking the energy used to charge your electric vehicle;

2. Own the EV submeter and be entirely responsible for its ongoing accuracy, maintenance and services.

3. Acknowledge that the submetered account will be set up and electric vehicle charging usage during the Phase 2 Pilot will be billed on the applicable EV rate schedule.

[1] Submeter MDMA Registration Agreement, Attachment 1: *EV Submeter Pilot Phase 2 Performance Standards for Metering and Meter Data Management Agents.*

4. Have an approved Submeter MDMA provide PG&E with your submetered usage data as scheduled in the required format in compliance with the Submeter MDMA performance requirements (copy available upon request).

Participant will:

1. Provide an independent third-party evaluator with feedback on your experiences with Phase 2 Pilot participation, including enrollment, equipment installation, and billing.

2. Authorize the Submeter MDMA to submit this CEA to PG&E on behalf of the Participant.

3. Provide access and assistance to facilitate random meter testing by an independent third-party evaluator, if selected.

4. Acknowledge that the EV submeter usage information may not meet the accuracy standards required by PG&E for billing purposes. The Phase 2 Pilot Participant's EV usage will be billed based on the submetered data provided by the Submeter MDMA, who is solely responsible for the accuracy and timely delivery to PG&E of submetered usage information.

5. Retain sole responsibility for paying the entire monthly bill including EV usage and other charges regardless of any agreement between you and your Submeter MDMA.

6. Contact your Submeter MDMA who will be the single point-of-contact for all submeter data issues regardless of any agreement you or your Submeter MDMA may have with any third party providing services on your or your Submeter MDMA's behalf.

7. Contact PG&E, who will be the single point-of-contact for all PG&E billing issues.

8. Be allowed to re-enroll for the remainder of Participant's Phase 2 Pilot term of 12 consecutive billing cycles in the event the Participant has a change of address. For customers that relocate within PG&E's service territory: 1) their Submeter MDMA must submit a new, separate Customer Enrollment Agreement for their new service address at least five days before the end of the current billing period; and 2) they are eligible to reenroll in the Phase 2 Pilot after the Enrollment Period. Similarly, customers that relocate to another IOU's service territory may reenroll for the remainder of Participant's Phase 2 Pilot term if the other IOU's 500 submeter limit has not been met.

9. Notify PG&E of a change-of-address or request to end Phase 2 Pilot participation at any time before the completion of 12 billing cycles. Customers can email PG&E at PEVSP@pge.com or can call PG&E at 1-800-PGE-5000 (1-800-743-5000).

E. TERMINATION:

1. This Agreement shall be effective for no more than 12 consecutive billing cycles after Phase 2 Pilot enrollment.

2. PG&E may petition the CPUC's Energy Division to terminate this Agreement, with no cost, liability, or further obligation, if the Submeter MDMA fails to meet Submeter MDMA performance requirements for three consecutive months.

3. PG&E shall have the right to modify or immediately terminate this Agreement upon written notice to Participant if PG&E determines this Agreement would be inconsistent with, or violate any rule, regulation, or policy of the CPUC or other applicable laws or if Participant fails to satisfy its obligations pursuant to this Agreement.

4. Participant shall email or call PG&E promptly if Participant no longer desires to participate in the Phase 2 Pilot. Customers can email PG&E at PEVSP@pge.com or can call PG&E at 1-800-PGE-5000 (1-800-743-5000).

5. PG&E will notify Participant if the Submeter MDMA service is terminated and Participant may complete the remainder of its 12 consecutive billing cycles subject to completing the requirements to re-enroll with an alternative Submeter MDMA.

F. NOTICES

PG&E will provide notices to Customer about the Phase 2 Pilot by email or mail to the Customer name and address listed on the Customer Enrollment Agreement. Notices from Customer to PG&E, except Disenrolling from the Phase 2 Pilot per section E. 4, hereunder shall be in writing and sent via electronic mail*:*

By Email: PEVSP@pge.com

NOTE: If you cannot send enrollment via electronic mail, please contact PG&E at 1-800-PGE-5000 (1-800-743-5000).

G. LIMITATION OF LIABILITY:

1. Participant shall indemnify, hold harmless and defend PG&E and its directors, employees, agents, and contractors from any and all costs, liabilities, claims and expenses, including those from death or injury to any person or from a loss or damage to any real, personal or other property, arising from, or in connection with, this Agreement, unless solely caused by the negligence or willful misconduct of PG&E.

2. In no event shall PG&E be liable for any incidental, indirect, special, consequential, or punitive damages (including lost income), for any cause of action, whether in contract or tort, arising in any manner from this Agreement or the performance or non-performance of its obligations under this Agreement, regardless of the cause or foreseeability thereof. Unless solely caused by PG&E's negligence or willful misconduct, and except as expressly stated otherwise in this Agreement, PG&E shall not be liable for any costs, liabilities, claims or expenses in connection with this Agreement, including any loss or damage to any Participant's property. Further, in no event shall the amount of PG&E's aggregate liability or damages shall not exceed ten thousand dollars ($10,000.00).

3. Participant acknowledges that PG&E has not promised Participant energy or bill savings from use of the EV submeter and/or participation in the Phase 2 Pilot.

4. Participant will hold PG&E harmless for its participation in and use of any other PG&E programs or features during the course of the Phase 2 Pilot. Programs such as My Account, Green Button, and Budget Assistant may be available to customers participating in the Phase 2 Pilot but the accuracy of the data may be affected.

5. Participant will hold PG&E harmless for its inability to participate in PG&E Direct Pay, Level Pay Plan, Peak Time Rebate (Save Power Day), and any CAISO-sponsored demand response programs facilitated through Electric Rule 24 during the course of the Phase 2 Pilot.

H. WARRANTY DISCLAIMER:

PG&E makes no warranties, whether statutory, express, or implied, including, but not limited to, any warranties regarding the safety, design, construction, function, performance, fitness for a particular purpose, or placement of customer-owned or third-party owned submeters, or any benefits to be derived from the placement, operation, or use of the customer owned or third-party owned submeters.

I. APPLICABLE LAW:

This Agreement shall be interpreted, governed and construed under the laws of the State of California, without reference to its choice of law provisions, and it is subject to modifications by the California Public Utilities Commission in the exercise of its jurisdiction.

J. ENTIRE AGREEMENT:

This Agreement contains the entire agreement and understanding between the Parties related to Participant's participation in the Phase 2 Pilot, except for additional terms and conditions that are subsequently made a part of PG&E's tariffs as part of the further implementation of the Phase 2 Pilot. This Agreement supersedes all prior representations and discussions between PG&E and Participant pertaining to its subject matter. 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.

K. APPLICABLE PG&E RATES FOR PHASE 2 PILOT:

1. Where the Primary Meter qualifies for Residential Service:

- Rate Schedule EV, option B

2. Where the Primary Meter qualifies for Commercial/Industrial Service

- Rate Schedule A-1 or B-1 (customers < 75 kW)
- Rate Schedule A-10 or B-10 (customers > 75 kW < 500 kW)
- Rate Schedule A-6 or B-6 (customers with demands < 500 kW)

More detail on these rates can be found at **http://www.pge.com/tariffs/ERS.SHTML#ERS**

Special Notes:

Rate Schedule NEM may be applied as a “rider” to all the schedules above, subject to the 100 submeter cap, and would be applicable to customers with photovoltaic systems meeting the tariff requirements.

All charges and provisions of the customer’s current tariff shall apply to the primary meter, except that the PEV usage, as measured by the submeter, will be billed on an applicable PEV rate schedule.

Any exceptions to the above rates are defined in Schedule PEVSP Phase 2, Special Condition 17.

PLUG-IN ELECTRIC VEHICLE SUBMETERING PILOT PHASE 2

Single Customer-of-Record Enrollment Agreement

Single Customer of Record Enrollment Agreement Instructions

Instructions to Customer:

STEP 1: Read the Plug-In Electric Vehicle Submetering Phase 2 Pilot Participation Agreement in its entirety

STEP 2: Install an eligible submeter(s) (i.e. EVSE with embedded submeter or stand-alone submeter) owned or leased by you or a third party

STEP 3: Retain the services of a CPUC-approved Submeter Meter Data Management Agent (Submeter MDMA)

STEP 4: Complete this Customer Enrollment Agreement (your Submeter MDMA may assist you with completing the form)

STEP 5: Sign the last page of this form (Section 4) to authorize the entire Agreement

STEP 6: Have your Submeter MDMA sign the last page of this form (Section 4) to authorize the entire Agreement.

STEP 7: Your Submeter MDMA must submit this Customer Enrollment Agreement to PG&E for processing:

- At least five (5) business days before the end of your billing cycle for you to be enrolled in the next billing cycle, subject to the exceptions described above
- By Email: PEVSP@pge.com

NOTE: If you cannot send enrollment via electronic mail, please contact PG&E at 1-800-PGE-5000 (1-800-743-5000).

STEP 8: Retain a copy of the completed Agreement for your records.

Processing:

PG&E will review the Agreement and reply as follows:

- If Agreement is not complete (i.e. contains inaccurate, missing or crossed-out information): You and your Submeter MDMA are notified. You and your Submeter MDMA must complete and sign and date a new Agreement correcting the error(s) and resubmit to PG&E.
- If Agreement is complete: Enrollment process continues. Upon completion, PG&E will inform you and your Submeter MDMA when your EV Phase 2 Pilot participation begins.

For questions or for more information regarding this agreement, customers **can email PG&E at PEVSP@pge.com or can call PG&E at 1-800-PGE-5000 (1-800-743-5000).**

Entire Agreement This Agreement, together with the applicable EV Rate and Phase 2 Pilot Terms and Conditions, contains the entire agreement and understanding between the Parties related to Participant's

participation in the Phase 2 Pilot, except for additional terms and conditions that are subsequently made a part of PG&E's tariffs or as modified by the Commission in the exercise of its jurisdiction. This Agreement supersedes all prior representations and discussions between PG&E and Participant pertaining to its subject matter.

Section 1 **Property Type (Check one)**
❑ Detached Home (Residential) ❑ Multi-family Dwelling/Attached Home (Residential) ❑ Commercial (Business)

Section 2 **PG&E Customer Account Information**

2 – __ __ – __ __ __ – __ __ __ __
Customer Account Number (Appears below your name on your PG&E bill)
__ __ __ __ __ __ – __ __ __ __ __ __
Primary PG&E Electric Meter ID Number (Appears below the "Compare the Electricity You Are Using" header section on the first page of your bill; Enter 9s for non-metered service)

_____ _____
First and Last Name (As it appears on your bill) Print Name

_____ _____ _____ _____
Service Account Street Address City State Zip

__ __ __ – __ __ __ – __ __ __ _____@_____
Telephone Number Email Address (To be used for communications regarding Phase 2 Pilot)

_____ _____ _____
If Commercial Account: Business Name Contact Name Title

* Alternate Mailing Address (Provide if applicable):

_____ _____ _____ _____
Street Address City State Zip

Section 3 MDMA **Submeter Information** (If customer elects to have multiple submeters, up to 19, please attach separate sheet for each submeter. Note: Multiple level submeters in a series are not allowed.)

_____
Submeter unique identifier (Appears on the Submeter)

Date Submeter(s) installed: __ __ / __ __/ __ __

Expected charging demand (kW): _____

Check the appropriate box below.

☐ Single Customer-of-Record Scenario #1

☐ Single Customer-of-Record Scenario #2

PLUG-IN ELECTRIC VEHICLE SUBMETERING PILOT PHASE 2

Single Customer-of-Record Enrollment Agreement

Check all applicable statements below and complete table for your specific device(s)

Devices installed prior to Phase 2 Pilot:

☐ Any Electric Vehicle Supply Equipment (EVSE), EVSE with embedded submeter, and/or stand-alone submeter installed prior to the Phase 2 Pilot must have been certified by an Occupational Safety & Health Administration (OSHA)-approved Nationally Recognized Testing Laboratory (NRTL). Any EVSE, EVSE with embedded submeter, stand-alone submeter, except a plug-in EVSE or EVSE with embedded submeter[1], and related PEV charging circuits, must have been installed by a person or entity with a general electrical contractor's license issued by the California Contractors State License Board and must obtain any required inspection and approval by the local Authority Having Jurisdiction (AHJ). The OSHA-approved list of NRTLs is maintained at: https://www.osha.gov/dts/otpca/nrtl/

Device	Manufacturer	Model	NRTL Certified
EVSE			☐
EVSE with Embedded Submeter			☐
Stand-alone Submeter			☐

Devices installed as part of the Phase 2 Pilot:

☐ Any EVSE, EVSE with embedded submeter, and/or stand-alone submeter installed as part of the Phase 2 Pilot must be certified to Underwriters Laboratories (UL) standards by an OSHA-approved NRTL or meet PG&E's safety standards. Any EVSE, EVSE with embedded submeter, stand-alone submeter, except a plug-in EVSE or EVSE with embedded submeter,[1] and related PEV charging circuits must be installed by a person or entity with a general electrical contractor's license issued by the California Contractors State License Board and must obtain any required inspection and approval by the local AHJ.

Device	Manufacturer	Model	UL Std./NRTL Certified
EVSE			☐
EVSE with Embedded Submeter			☐
Stand-alone Submeter			☐

PLUG-IN ELECTRIC VEHICLE SUBMETERING PILOT PHASE 2

Single Customer-of-Record Enrollment Agreement

Section 4 **Customer & Submeter MDMA Authorization**

Customer:

I (Customer), _____(print name of authorized signatory), declare under penalty of perjury under the laws of the State of California that I am authorized to execute this document on behalf of the Customer of Record listed on this form and that I have authority to financially 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 any actions taken by my Submeter MDMA. I understand that I may cancel my participation in the Phase 2 Pilot at any time by calling PG&E. Customers can email PG&E at PEVSP@pge.com or can call PG&E at 1-800-PGE-5000 (1-800-743-5000).
.

☐ By checking the box, you are signing this Customer Enrollment Agreement electronically. You agree that your electronic signature is the legal equivalent of your manual or "wet" signature on this Agreement as of the date on this Agreement. By typing your name, entering the date, and checking the box to the left, you consent to be legally bound by the terms and conditions in this document. *Copies of Customer's signed signature page may be transmitted to* PG&E *by facsimile or other electric means. Copies of the signature page may be used for the purpose of enforcing the terms of this agreement.*

[This form must be signed by someone who has authority to financially bind the customer]
[For example, CFO of a company or City Manager of a municipality]

_____ _____
Authorized Customer Signature Authorized Customer Name (Print)

__ __ __ – __ __ __ – __ __ __ __
Telephone Number

Executed this_____ day of_____ _____ at _____
Month Year City and State Where Executed

To sign this document electronically:

- Check the box indicating that you are signing this Customer Enrollment Agreement electronically and agree that your electronic signature is the legal equivalent of your manual or "wet" signature on the Agreement.

Sign your name as follows: /s/ Customer Name.

PLUG-IN ELECTRIC VEHICLE SUBMETERING PILOT PHASE 2

Single Customer-of-Record Enrollment Agreement

Submeter MDMA:

☐ By checking the box, you are signing this Customer Enrollment Agreement electronically. You agree that your electronic signature is the legal equivalent of your manual or "wet" signature on this Agreement as of the date on this Agreement. By typing your name, entering the date, and checking the box to the left, you consent to be legally bound by the terms and conditions in this document. *Copies of Submeter MDMA's signed signature page may be transmitted to* PG&E *by facsimile or other electric means. Copies of the signature page may be used for the purpose of enforcing the terms of this agreement.*

I (Submeter MDMA), hereby release, hold harmless, and indemnify PG&E from any liability, claims, demands, causes of action, damages, or expenses resulting from this Agreement.

_____ _____
Submeter MDMA Representative Signature Submeter MDMA Representative Name (Print)

_____
Submeter MDMA Name

_____ _____ _____
Street Address City State Zip

__ __ __ – __ __ __ – __ __ __
_____@_____
Telephone Number Email Address

Executed this _____ day of _____ _____
Month Year

To sign this document electronically:

- Check the box indicating that you are signing this Customer Enrollment Agreement electronically and agree that your electronic signature is the legal equivalent of your manual or "wet" signature on the Agreement.
- Sign your name as follows: /s/ Submeter MDMA Representative Name.

PLUG-IN ELECTRIC VEHICLE SUBMETERING PILOT PHASE 2

Pacific Gas and Electric Company®

Attachment 1

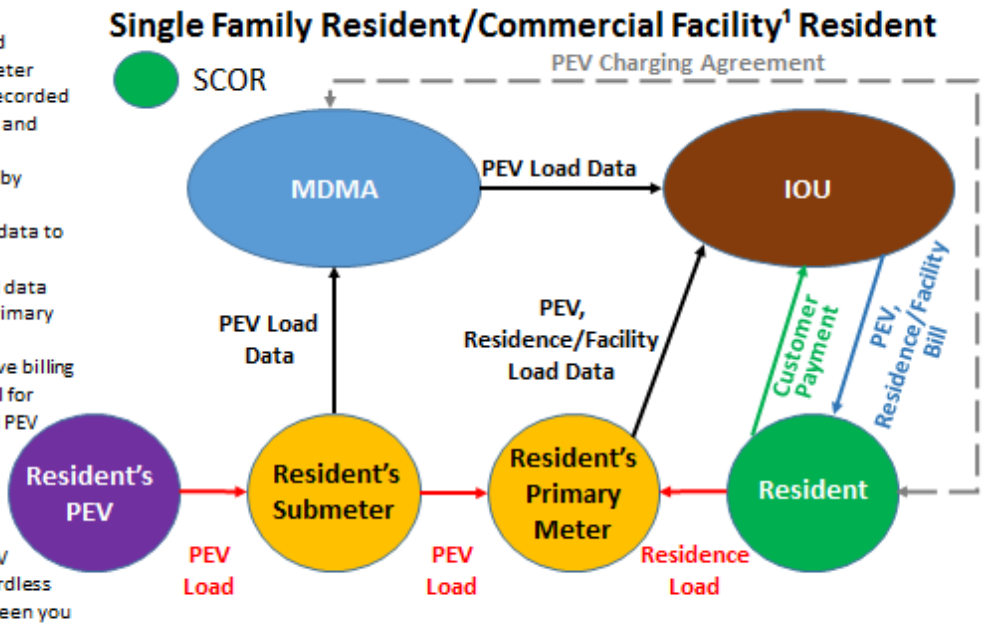
Single Customer-of-Record (SCOR) Scenarios

The following scenarios are single customers-of-record scenarios that will be supported by the IOUs.

Scenario 1: Residential (IOU Customer) Pays Submeter and Primary Meter Bills

Process Flow

1. Resident generates load recorded on primary meter
2. Resident charges PEV recorded on resident's submeter and primary meter
3. PEV load data received by MDMA from submeter
4. MDMA sends PEV load data to IOU
5. PEV and residence load data received by IOU from primary meter
6. IOU performs subtractive billing
7. Resident receives IO bill for separate residence and PEV accounts and pays IOU
8. Note: Resident retains sole responsibility for paying the entire monthly bill including EV and other charges regardless of any agreement between you and your Submeter MDMA or any other party.



[1] Facility includes residents in MUD, condo complex or commercial facility

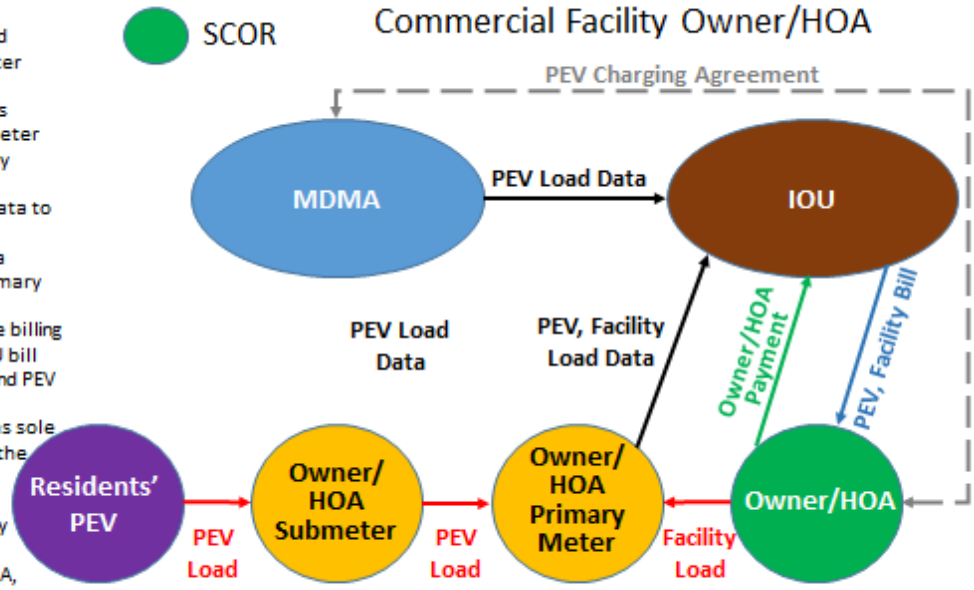
Pacific Gas and Electric Company®

Attachment 1

Single Customer-of-Record (SCOR) Scenarios

Scenario 2: Owner/HOA (IOU Customer) Pays Submeter and Primary Meter Bills

Process Flow
1. Owner/HOA's facility load recorded on primary meter
2. Resident's PEV charging recorded on owner/HOA's submeter and primary meter
3. PEV load data received by MDMA from submeter
4. MDMA sends PEV load data to IOU
5. PEV and facility load data received by IOU from primary meter
6. IOU performs subtractive billing
7. Owner/HOA receives IOU bill for separate residence and PEV accounts and pays IOU
8. Note: Owner/HOA retains sole responsibility for paying the entire monthly bill including EV and other charges regardless of any agreement between you and your Submeter MDMA, the resident, or any other party.



[1] Facility includes residents in MUD, condo complex or commercial facility

ELECTRIC SAMPLE FORM 79-1180 Sheet 1

PLUG-IN ELECTRIC VEHICLE SUBMETERING PILOT PHASE 2
MULTIPLE CUSTOMER-OF-RECORD ENROLLMENT AGREEMENT

Please Refer to Attached
Sample Form

PLUG-IN ELECTRIC VEHICLE SUBMETERING PILOT PHASE 2

Multiple Customer-of-Record Enrollment Agreement

Terms and Conditions

This Participation Agreement ("Agreement"), effective upon the date a Customer Enrollment Agreement (CEA) is submitted, is entered into between Pacific Gas & Electric (PG&E), the customer that receives electric service from PG&E (hereafter, "Participant," "Customer," "you," or "primary meter customer"), the customer that receives submeter service from PG&E (hereafter, "Participant," "Customer," "you," or "submeter customer"), and the Submeter Meter Data Management Agent (Submeter MDMA) providing data management services. PG&E, Participant and Submeter MDMA are referred to jointly as "Parties."

A. Purpose and Overview of the Phase 2 Pilot

PG&E is conducting Phase 2 of a temporary Plug-in Electric Vehicle (EV) Submeter Pilot. To participate in the Phase 2 Pilot, Customers must read and agree to the terms and conditions of this Agreement and be eligible for an applicable separately-metered EV Rate. The customer enrollment process is described in the Customer Enrollment Agreement.

The applicable EV Rate requires a separate meter to measure only the energy used to charge electric vehicles. PG&E will set up a separate service account and the energy used to charge EVs will be billed on the applicable EV rate schedule. The rest of the energy used at your residence or business will be billed at your otherwise applicable tariff. For the Phase 2 Pilot, the separate meter must be a submeter owned by the Customer or by a third-party. The Phase 2 Pilot is available to eligible customers within all of PG&E's service districts and limited to 500 submeters on a first-come, first-served basis. Customers on a Net Energy Metering (NEM) rate are eligible but will be limited to 20% of the participation cap (100 submeters).

As a Participant in the Phase 2 Pilot, you agree to install an eligible Customer- or third-party-owned submeter that meets the California Public Utilities Commission (CPUC) approved Submeter MDMA Registration Agreement, Attachment 1 - Performance Standards for Metering and Submeter Meter Data Management Agents, for the exclusive use of tracking the energy used to charge your electric vehicle to be billed on the applicable EV Rate. Your Submeter MDMA will be required to collect and transmit your submeter usage data to PG&E as scheduled in the required format in compliance with the Submeter MDMA Performance Requirements (copy available upon request). You will retain sole responsibility for paying the entire monthly bill including EV and other charges regardless of any agreement between you and your Submeter MDMA. Your Submeter MDMA will be the single point-of-contact for all submeter data issues regardless of any agreement you or the Submeter MDMA may have with other organizations providing Submeter Pilot services on its or your behalf. PG&E will be the single point-of-contact for all PG&E billing issues.

The Phase 2 Pilot will begin on January 16, 2017, and enrollment will end on April 30, 2017. Any Customer enrolled in the Phase 2 Pilot will be eligible to participate for no more than 12 consecutive billing cycles; however, the Customer may terminate participation in the Phase 2 Pilot at any time by contacting PG&E. When Phase 2 Pilot participation ends, the EV rate will be terminated for the submetered account. Thereafter, any future electric vehicle charging will be billed at the Customer's otherwise applicable tariff rate for the primary meter. Customers are encouraged to contact PG&E to discuss available electric vehicle rates.

In addition, you agree to provide an independent evaluator, Nexant, or another third party, paid by the Investor Owned Utilities (IOUs), with feedback on your experiences with Phase 2 Pilot participation, including enrollment, equipment installation, and billing. In accordance with the CPUC's instruction, this survey will not be burdensome. Additionally, you may be required to provide access to your home or facility

for the evaluator to perform tests on your submeter. Such submeter testing is only required of five percent of participating customers. If your submeter is selected for testing, tests will be arranged at a convenient time, and your Submeter MDMA may be present. No adjustments to your primary or submetered accounts billed over the course of your participation in the Phase 2 Pilot will be made regardless of whether the submeter is found to violate CPUC meter accuracy standards.

B. ELIGIBILITY

To be eligible to participate in the Pilot, Participants must:

1. Have an active PG&E service account with no Past Due Bills or Summary Bills (as defined by Rule 11).

2. Have an eligible PG&E interval data recorder (IDR) SmartMeter®.

3. Charge a plug-in electric vehicle at that account.

4. Have an approved submeter installed for the exclusive use of tracking the energy used to charge their electric vehicle.

5. Be a Bundled Service Customers or Community Choice Aggregation (CCA) customer [i.e. does not participate in Direct Access (DA) or Community Aggregation (CA) service].

6. Not be on PG&E's EV-TOU rate (EV-A). If Participant is already enrolled, they must unenroll for the duration of their participation in the Phase 2 Pilot. If the customer is on EV-A PG&E will automatically enroll the customer on the E-1 rate upon enrollment and for the duration of the pilot unless instructed otherwise.

7. Not participate in the Smart Rate/Smart Day program. If Participant is already enrolled, they must unenroll for just the duration of their participation in this pilot.

8. Not participate in either the Budget Billing or Automatic Payment Plan options offered by PG&E for the duration of their participation in this pilot if their Submeter MDMA provides remittance payments to PG&E. If participant is already enrolled in one of these plans, they must unenroll for just the duration of their participation in this pilot.

9. Not participate in the California Independent System Operator (CAISO) sponsored demand response programs facilitated through Electric Rule 24.

C. DUTIES AND OBLIGATIONS OF PG&E:

PG&E will:

1. Respond promptly to questions from a Submeter MDMA on customer's eligibility without disclosing confidential customer data.

2. Enroll you in the Phase 2 Pilot beginning with your next PG&E billing period, provided that your Submeter MDMA has submitted your complete Customer Enrollment Agreement (CEA) at least five (5) business days prior to the end of your current billing cycle, if the volume of customer

agreements in process at that time does not exceed an average of five (5) agreements per business day over any five (5) business day period. Note: A CEA is not considered complete if it contains inaccurate, missing or crossed-out information.

3. Set up your separate service account and bill for energy used to charge your EV on the applicable EV rate schedule (i.e. Residential: EV-B; Commercial/Industrial: Rate Schedule A-1, A-10, A6, B-1, B-10, or B-6, depending on demand level);

4. Receive your submetered EV usage information from your Submeter MDMA;

5. Use this information to separately calculate your usage for charging your electric vehicle on the applicable EV rate and the rest of your home or business usage on your current rate. Accuracy of your bill is dependent on receiving timely and accurate information from your Submeter MDMA and the accuracy of the submeter itself.

6. Late, incomplete, or inaccurate EV submeter usage information will be disregarded (treated as if there was no EV usage for the time interval(s) involved) only where the Submeter MDMA action is the cause of the data transmission failure. As a result, any actual EV charging during these intervals will be billed at your current rate and will not be adjusted in any future bills if any EV usage data is subsequently received.

7. Work with you and your MDMA to resolve any disputes. Your Submeter MDMA will be the single point-of-contact for all submeter data issues regardless of any agreement you or the Submeter MDMA may have with other organizations providing Submeter Pilot services on your or your Submeter MDMA's behalf. PG&E will be the single point-of-contact for all PG&E billing issues.

8. Customers participating in the Pilot under a multiple customers-of-record scenario will be provided either separate primary meter bill charges less EV charges or submeter EV charges only depending on their specific role and responsibility.

9. After 12 consecutive billing cycles close your submeter account. Your entire residence or business usage, including your EV usage, will then be charged at your otherwise applicable rate.

D. DUTIES AND OBLIGATIONS OF PARTICIPANT:

Participant or its agent will:

1. Install or have installed a qualified submeter[1] for the exclusive use of tracking the energy used to charge your electric vehicle;

2. Own the EV submeter and be entirely responsible for its ongoing accuracy, maintenance and services.

3. Acknowledge that the submetered account will be set up and electric vehicle charging usage during the Phase 2 Pilot will be billed on the applicable EV rate schedule.

[1] Submeter MDMA Registration Agreement, Attachment 1: *EV Submeter Pilot Phase 2 Performance Standards for Metering and Meter Data Management Agents*.l

4. Have an approved Submeter MDMA provide PG&E with your submetered usage data as scheduled in the required format in compliance with the Submeter MDMA performance requirements (copy available upon request).

Participant will:

1. Provide an independent third-party evaluator with feedback on your experiences with Phase 2 Pilot participation, including enrollment, equipment installation, and billing.

2. Authorize the Submeter MDMA to submit this CEA to PG&E on behalf of the Participant.

3. Provide access and assistance to facilitate random meter testing by an independent third-party evaluator, if selected.

4. Acknowledge that the EV submetered usage information may not meet the accuracy standards required by PG&E for billing purposes. The Participant's EV usage will be billed based on the submetered data provided by the Submeter MDMA, who is solely responsible for the accuracy and timely delivery to PG&E of submeter usage information.

5. Retain sole responsibility for paying the entire monthly bill including EV usage and other charges regardless of any agreement between you and your Submeter MDMA. This includes the energy required by the EVSE equipment and/or the associated losses.

6. Contact your Submeter MDMA, who will be the single point-of-contact for all submeter data issues regardless of any agreement the you or your Submeter MDMA may have with other third-party organizations providing services on your or your Submeter MDMA's behalf.

7. Contact PG&E, who will be the single point-of-contact for all PG&E billing issues.

8. Be allowed to re-enroll for the remainder of Participant's Phase 2 Pilot term of 12 consecutive billing cycles in the event the Participant has a change of address. For customers that relocate within PG&E's service territory: 1) their Submeter MDMA must submit a new, separate Customer Enrollment Agreement for their new service address at least five days before the end of the current billing period; and 2) they are eligible to reenroll in the Pilot after the Enrollment Period. Similarly, customers that relocate to another IOU's service territory may reenroll for the remainder of Participant's pilot term if the other IOU's 500 submeter limit has not been met.

9. Notify PG&E of a change-of-address or request to end Phase 2 Pilot participation at any time before the completion of 12 billing cycles. Customers can email PG&E at PEVSP@pge.com or can call PG&E at 1-800-PGE-5000 (1-800-743-5000).

E. TERMINATION:

1. This Agreement shall be effective for no more than 12 consecutive billing cycles after Phase 2 Pilot enrollment.

2. PG&E may petition the CPUC's Energy Division to terminate this Agreement, with no cost, liability, or further obligation, if the Submeter MDMA fails to meet Submeter MDMA performance requirements for three consecutive months.

3. PG&E shall have the right to modify or immediately terminate this Agreement upon written notice to Participant if PG&E determines this Agreement would be inconsistent with, or violate any rule, regulation, or policy of the CPUC or other applicable laws or if Participant fails to satisfy its obligations pursuant to this Agreement.

4. Participant shall email or call PG&E promptly if Participant no longer desires to participate in the Phase 2 Pilot. Customers can email PG&E at PEVSP@pge.com or can call PG&E at 1-800-PGE-5000 (1-800-743-5000).

5. PG&E will notify Participant if the Submeter MDMA service is terminated and Participant may complete the remainder of its 12 consecutive billing cycles subject to completing the requirements to re-enroll with an alternative Submeter MDMA.

F. NOTICES

PG&E will provide notices to Customer about this Phase 2 Pilot by email or mail to the Customer name and address listed on the Customer Enrollment Agreement. Notices from Customer to PG&E, except Disenrolling from the Phase 2 Pilot per section E.4, hereunder shall be via electronic mail*:*

By Email: PEVSP@pge.com

NOTE: If you cannot send enrollment via electronic mail, please contact PG&E at 1-800-PGE-5000 (1-800-743-5000).

G. LIMITATION OF LIABILITY:

1. Participant shall indemnify, hold harmless and defend PG&E and its directors, employees, agents, and contractors from any and all costs, liabilities, claims and expenses, including those from death or injury to any person or from a loss or damage to any real, personal or other property, arising from, or in connection with, this Agreement, unless solely caused by the negligence or willful misconduct of PG&E.

2. In no event shall PG&E be liable for any incidental, indirect, special, consequential, or punitive damages (including lost income), for any cause of action, whether in contract or tort, arising in any manner from this Agreement or the performance or non-performance of its obligations under this Agreement, regardless of the cause or foreseeability thereof. Unless solely caused by PG&E's negligence or willful misconduct, and except as expressly stated otherwise in this Agreement, PG&E shall not be liable for any costs, liabilities, claims or expenses in connection with this Agreement, including any loss or damage to any Participant's property. Further, in no event shall the amount of PG&E's aggregate liability or damages shall not exceed ten thousand dollars ($10,000.00).

3. Participant acknowledges that PG&E has not promised Participant energy or bill savings from use of the EV submeter and/or participation in the Phase 2 Pilot.

4. Participant will hold PG&E harmless for its participation in and use of any other PG&E programs or features during the course of the Phase 2 Pilot. Programs such as My Account, Green Button, and Budget Assistant may be available to customers participating in the Phase 2 Pilot but the accuracy of the data may be affected.

5. Participant will hold PG&E harmless for its inability to participate in PG&E SmartRate/SmartDay, Budget Billing or Automatic Payment Plan and any CAISO-sponsored demand response programs facilitated through Electric Rule 24 during the course of the Phase 2this Pilot.

H. WARRANTY DISCLAIMER:

PG&E makes no warranties, whether statutory, express, or implied, including, but not limited to, any warranties regarding the safety, design, construction, function, performance, fitness for a particular purpose, or placement of customer-owned or third-party owned submeters, or any benefits to be derived from the placement, operation, or use of the customer owned or third-party owned submeters.

I. APPLICABLE LAW:

This Agreement shall be interpreted, governed and construed under the laws of the State of California, without reference to its choice of law provisions, and it is subject to modifications by the California Public Utilities Commission in the exercise of its jurisdiction.

J. ENTIRE AGREEMENT:

This Agreement contains the entire agreement and understanding between the Parties related to Participant's participation in the Phase 2 Pilot, except for additional terms and conditions that are subsequently made a part of PG&E's tariffs as part of the further implementation of this Pilot. This Agreement supersedes all prior representations and discussions between PG&E and Participant pertaining to its subject matter. 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.

K. APPLICABLE PG&E RATES FOR PILOT PHASE2 SUBMETER:

1. Where the Primary Meter qualifies for Residential Service:

- Rate Schedule EV, option B

2. Where the Primary Meter qualifies for Commercial/Industrial Service

- Rate Schedule A-1 or B-1 (customers < 75 kW)
- Rate Schedule A-10 or B-10 (customers > 75 kW < 500 kW)
- Rate Schedule A-6 or B-6 (customers with demands < 500 kW)

More detail on these rates can be found at **http://www.pge.com/tariffs/ERS.SHTML#ERS**

Special Notes:

Rate Schedule NEM may be applied as a "rider" to all the primary meter schedules above, subject to the 100 submeter cap, and would be applicable to customers with photovoltaic (PVs) meeting the tariff requirements.

All charges and provisions of the customer's current tariff shall apply to the primary meter, except that the PEV usage, as measured by the submeter, will be billed on an applicable PEV rate schedule.

Any exceptions to the above rates are defined in Schedule PEVSP, Special Condition 17.

PLUG-IN ELECTRIC VEHICLE SUBMETERING PILOT PHASE 2

Multiple Customer-of-Record Enrollment Agreement

Multiple Customers-of-Record Enrollment Agreement Instructions

Instructions to Customer:

STEP 1: Read the Plug-In Electric Vehicle Submetering Pilot (Phase 2) Participation Agreement in its entirety

STEP 2: Install an eligible submeter(s) (i.e. EVSE with embedded submeter or stand-alone submeter) owned or leased by you or a third party

STEP 3: Retain the services of a CPUC-approved Submeter Meter Data Management Agent (Submeter MDMA)

STEP 4: Complete this Customer Enrollment Agreement (your Submeter MDMA may assist you with completing the form)

STEP 5: Sign the last page of this form (Section 4) to authorize the entire Agreement

STEP 6: Have your Submeter MDMA sign the last page of this form (Section 4) to authorize the entire Agreement.

STEP 7: Your Submeter MDMA must submit this Customer Enrollment Agreement to PG&E for processing:

- At least five (5) business days before the end of your billing cycle for you to be enrolled in the next billing cycle, subject to the exceptions described above
- By Electronic Mail: PEVSP@pge.com

NOTE: If you cannot send enrollment via electronic mail, please contact PG&E at 1-800-PGE-5000 (1-800-743-5000).

STEP 8: Retain a copy of the completed Agreement for your records.

Processing:

PG&E will review the Agreement and reply as follows:

- If Agreement is not complete (i.e. contains inaccurate, missing or crossed-out information): You and your Submeter MDMA are notified. You and your Submeter MDMA must complete and sign and date a new Agreement correcting the error(s) and resubmit to PG&E.
- If Agreement is complete: Enrollment process continues. Upon completion, PG&E will inform you and your Submeter MDMA when your EV Submetering Phase 2 Pilot participation begins.

For questions or for more information regarding this agreement, customers can email PG&E at PEVSP@pge.com or can call PG&E at 1-800-PGE-5000 (1-800-743-5000).

PLUG-IN ELECTRIC VEHICLE SUBMETERING PILOT PHASE 2

Multiple Customer-of-Record Enrollment Agreement

Authorization To Release Submeter information to Submeter MDMA And Act On A Customer's Behalf

INFORMATION, ACTS AND FUNCTIONS AUTHORIZED:

By signing this form to add the customer service account(s) set forth below, I, Customer, authorize my Agent (the Submeter MDMA) to act on my behalf to request and receive billing, usage, and meter data for the account(s) specified herein, to the extent such billing, usage, and meter data is associated with my dates of enrollment in the Pilot. This authorization also provides authority to the Submeter MDMA to act on my behalf to request rate changes necessary to participate in the Pilot.

I (Customer) authorize my Submeter MDMA to act on my behalf to perform the following selected specific acts and functions:

1) Yes ☐ No ☐ Request rate changes necessary for me to participate in the Electric Vehicle Pilot (Phase 2).

2) Yes ☐ No ☐ Receive a copy of my monthly PG&E bill for the duration of my participation in the Electric Vehicle Pilot (Phase 2).

Authorization is given for the period commencing with the date of execution of this Agreement until either the pilot ends or I decide to terminate my participation. If I, Customer, wish to release additional information to my agent, Submeter MDMA, or extend the timeframe during which this information will be released, I acknowledge that I must complete, sign and submit PG&E Form (79-1159).

RELEASE OF ACCOUNT INFORMATION:

I (Submeter Customer),_____ (print name of authorized signatory), declare under penalty of perjury under the laws of the State of California that I am authorized to execute this document on behalf Of the Customer of Record listed on this form and that I have authority to financially bind the Customer of Record. I further certify that my Submeter MDMA, _____(print name of Submeter MDMA), has authority to act on my behalf and request the release of information for the accounts listed on this form and perform the specific acts and functions listed above, including rate changes. I understand that PG&E reserves the right to verify any authorization request submitted before releasing information or taking any action on my behalf. I authorize PG&E to release the requested information on my account or facilities to the above Submeter MDMA who is acting on my behalf regarding the matters 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 release of information to my Submeter MDMA pursuant to this Authorization; 2) the unauthorized use of this information by my Submeter MDMA; and 3) from any actions taken by my Submeter MDMA pursuant to this Authorization, including rate changes. I understand that I may cancel this authorization at any time by submitting a written request.

Authorization To Release Submeter Information To Customer And Act On The MDMA's Behalf

INFORMATION, ACTS AND FUNCTIONS AUTHORIZED:

PLUG-IN ELECTRIC VEHICLE SUBMETERING PILOT PHASE 2

Multiple Customer-of-Record Enrollment Agreement

By signing this form to add the customer service account(s) set forth below, I, Submeter MDMA, authorize the Customer to act on my behalf to request and receive billing, usage, and meter data for the account(s) specified herein, to the extent such billing, usage, and meter data is associated with the dates of the customer's enrollment in the Pilot. This authorization also provides authority to the Customer to act on my behalf to request rate changes necessary to participate in the Pilot.

I (Submeter MDMA) authorize the Customer to act on my behalf to perform the following selected specific acts and functions:

1) Yes ☐ No ☐ Request rate changes necessary for me to participate in the Electric Vehicle Pilot (Phase 2).

2) Yes ☐ No ☐ Receive a copy of the monthly PG&E submeter bill for the duration of the customer's participation in the Electric Vehicle Pilot (Phase 2). ·

Authorization is given for the period commencing with the date of execution of this Agreement until either the pilot ends or the Customer or MDMA decides to terminate participation. If I, Submeter MDMA, wish to release additional information to the Customer, or extend the timeframe during which this information will be released, I acknowledge that I must complete, sign and submit PG&E Form (79-1159).

RELEASE OF ACCOUNT INFORMATION:

I certify that the Customer, _____ (print name of authorized signatory), has authority to act on my behalf and request the release of information for the accounts listed on this form and perform the specific acts and functions listed above, including rate changes. I understand that PG&E reserves the right to verify any authorization request submitted before releasing information or taking any action on my behalf. I authorize PG&E to release the requested information on the submeter account or facilities to the above Customer who is acting on my behalf regarding the matters 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 release of information to the Customer pursuant to this Authorization; 2) the unauthorized use of this information by the Customer; and 3) from any actions taken by the Customer pursuant to this Authorization, including rate changes. I understand that I may cancel this authorization at any time by submitting a written request.

Entire Agreement This Agreement, together with the applicable EV Rate and Phase 2 Pilot Terms and Conditions, contains the entire agreement and understanding between the Parties related to Participant's participation in the Phase 2 Pilot, except for additional terms and conditions that are subsequently made a part of PG&E's tariffs or as modified by the Commission in the exercise of its jurisdiction. This Agreement supersedes all prior representations and discussions between PG&E and Participant pertaining to its subject matter.

Section 1 Property Type (Check one)

❑ Detached Home (Residential) ❑ Multi-family Dwelling/Attached Home (Residential) ❑ Commercial (Business)

Section 2 PG&E Primary Meter Customer Account Information

PLUG-IN ELECTRIC VEHICLE SUBMETERING PILOT PHASE 2

Multiple Customer-of-Record Enrollment Agreement

2 – __ __ – __ __ __ – __ __ __ __
Customer Account Number (Appears below your name on your PG&E bill)

__ __ __ __ __ __ – __ __ __ __ __ __
Primary PG&E Electric Meter ID Number

_____ _____
First and Last Name (As it appears on your bill) Print Name

_____ _____ _____ _____
Service Account Street Address City State Zip

__ __ __ – __ __ __ – __ __ __ _____@_____
Telephone Number Email Address (To be used for communications regarding Pilot)

_____ _____ _____
If Commercial Account: Business Name Contact Name Title

* Alternate Mailing Address (Provide if applicable):

_____ _____ _____ _____
Street Address City State Zip

PLUG-IN ELECTRIC VEHICLE SUBMETERING PILOT PHASE 2

Multiple Customer-of-Record Enrollment Agreement

Section 3 **PG&E Submeter Customer Account Information**

2 – __ __ – __ __ __ – __ __ __ __
Customer Account Number (PG&E)

_____ _____
First and Last Name (As it appears on your bill) Print Name

_____ _____ _____ _____
Service Account Street Address City State Zip

__ __ __ – __ __ __ – __ __ __ _____@_____
Telephone Number Email Address (To be used for communications regarding Pilot)

_____ _____ _____
If Commercial Account: Business Name Contact Name Title

* Alternate Mailing Address (Provide if applicable):

_____ _____ _____ _____
Street Address City State Zip

Section 4 **MDMA Submeter Information** (If customer elects to have multiple submeters, up to 19, please attach separate sheet for each submeter. Note: Multiple level submeters in a series are not allowed.)

_____
Submeter unique identifier (Appears on the Submeter)

Date Submeter(s) installed: __ __ / __ __/ __ __

Expected charging demand (kW): _____

Check the appropriate box below.

☐ Multiple Customer-of-Record Scenario #1 (See Attachment 1)

☐ Multiple Customer-of-Record Scenario #2 (See Attachment 1)

☐ Multiple Customer-of-Record Scenario #3 (See Attachment 1)

PLUG-IN ELECTRIC VEHICLE SUBMETERING PILOT PHASE 2

Multiple Customer-of-Record Enrollment Agreement

Check all applicable statements below and complete table for your specific device(s)

Devices installed prior to Phase 2 Pilot:

☐ Any Electric Vehicle Supply Equipment (EVSE), EVSE with embedded submeter, and/or stand-alone submeter installed prior to the Phase 2 Pilot must have been certified by an Occupational Safety & Health Administration (OSHA)-approved Nationally Recognized Testing Laboratory (NRTL). Any EVSE, EVSE with embedded submeter, stand-alone submeter, except a plug-in EVSE or plug-in EVSE with embedded submeter[2], and related PEV charging circuits, must have been installed by a person or entity with a general electrical contractor's license issued by the California Contractors State License Board and must obtain any required inspection and approval by the local Authority Having Jurisdiction (AHJ). The OSHA-approved list of NRTLs is maintained at: https://www.osha.gov/dts/otpca/nrtl/.

Device	Manufacturer	Model	NRTL Certified
EVSE			☐
EVSE with Embedded Submeter			☐
Stand-alone Submeter			☐

Devices installed as part of the Phase 2 Pilot:

☐ Any EVSE, EVSE with embedded submeter, and/or stand-alone submeter installed as part of the Phase 2 Pilot is certified to Underwriters Laboratories (UL) standards by an OSHA NRTL or meets PG&E safety standards. Any EVSE, EVSE with embedded submeter, stand-alone submeter, except a plug-in EVSE or plug-in EVSE with embedded submeter[3] and related PEV charging circuits must be installed by a person or entity with a general electrical contractor's license issued by the California Contractors State License Board and must obtain any required inspection and approval by the local AHJ.

Device	Manufacturer	Model	UL Std./NRTL Certified
EVSE			☐
EVSE with Embedded Submeter			☐
Stand-alone Submeter			☐

[2] Level-2 EVSE with an inlet cord and plug which requires a dedicated circuit installed by a qualified electrician.

[3] Level-2 EVSE with an inlet cord and plug which requires a dedicated circuit installed by a qualified electrician.

Section 5 **Customer& Submeter MDMA Authorization**

Primary Meter Customer

I (Customer), _____(print name of authorized signatory), declare under penalty of perjury under the laws of the State of California that I am authorized to execute this document on behalf of the Customer of Record listed on this form and that I have authority to financially 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 any actions taken by my Submeter MDMA or any other customer that is a Party to this Agreement. I understand that I may cancel my participation in the Phase 2 Pilot at any time by calling PG&E. Customers can email PG&E at PEVSP@pge.com or can call PG&E at 1-800-PGE-5000 (1-800-743-5000).

☐ By checking the box, you are signing this Customer Enrollment Agreement electronically. You agree that your electronic signature is the legal equivalent of your manual or "wet" signature on this Agreement as of the date on this agreement. By typing your name, entering the date, and checking the box to the left, you consent to be legally bound by the terms and conditions in this document. *Copies of Primary Meter Customer's signed signature page may be transmitted to PG&E by facsimile or other electric means. Copies of the signature page may be used for the purpose of enforcing the terms of this agreement."*

[This form must be signed by someone who has authority to financially bind the customer]
[For example, CFO of a company or City Manager of a municipality]

_____ _____
Authorized Customer Signature Authorized Customer Name (Print)

__ __ __ – __ __ __ – __ __ __ __
Telephone Number

Executed this_____ day of_____ _____ at _____
Month Year City and State Where Executed

To sign this document electronically:

- Check the box indicating that you are signing this Customer Enrollment Agreement electronically and agree that your electronic signature is the legal equivalent of your manual or "wet" signature on the Agreement.

Sign your name as follows: /s/ Customer Name.

****

PLUG-IN ELECTRIC VEHICLE SUBMETERING PILOT PHASE 2

Multiple Customer-of-Record Enrollment Agreement

Submeter Customer

I (Customer), _____(print name of authorized signatory), declare under penalty of perjury under the laws of the State of California that I am authorized to execute this document on behalf of the Customer of Record listed on this form and that I have authority to financially 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 any actions taken by my Submeter MDMA or any other customer that is Party to this Agreement. I understand that I may cancel my participation in the Phase 2 Pilot at any time by calling PG&E. Customers can email PG&E at PEVSP@pge.com or can call PG&E at 1-800-PGE-5000 (1-800-743-5000).
.

☐ By checking the box, you are signing this Customer Enrollment Agreement electronically. You agree that your electronic signature is the legal equivalent of your manual or "wet" signature on this Agreement as of the date on this Agreement. By typing your name, entering the date, and checking the box to the left, you consent to be legally bound by the terms and conditions in this document. *Copies of Submeter Customer's signed signature page may be transmitted to PG&E by electronic mail. Copies of the signature page may be used for the purpose of enforcing the terms of this agreement.*

[This form must be signed by someone who has authority to financially bind the customer]
[For example, CFO of a company or City Manager of a municipality]

_____ _____
Authorized Customer Signature Authorized Customer Name (Print)

__ __ __ – __ __ __ – __ __ __ __
Telephone Number

Executed this_____ day of_____ _____ at _____
Month Year City and State Where Executed

To sign this document electronically:

- Check the box indicating that you are signing this Customer Enrollment Agreement electronically and agree that your electronic signature is the legal equivalent of your manual or "wet" signature on the Agreement.

Sign your name as follows: /s/ Customer Name.

****

PLUG-IN ELECTRIC VEHICLE SUBMETERING PILOT PHASE 2

Multiple Customer-of-Record Enrollment Agreement

Submeter MDMA

☐ By checking the box, you are signing this Customer Enrollment Agreement electronically. You agree that your electronic signature is the legal equivalent of your manual or "wet" signature on this Agreement as of the date on this agreement. By typing your name, entering the date, and checking the box to the left, you consent to be legally bound by the terms and conditions in this document. *Copies of Submeter MDMA's signed signature page may be transmitted to PG&E by electronic mail. Copies of the signature page may be used for the purpose of enforcing the terms of this agreement.*

I (Submeter MDMA), hereby release, hold harmless, and indemnify PG&E from any liability, claims, demand, causes of action, damages, or expenses resulting from this Agreement.

_____ _____
Submeter MDMA Representative Signature Submeter MDMA Representative Name (Print)

_____
Submeter MDMA Name

_____ _____ _____
Street Address City State Zip

__ __ __ – __ __ __ – __ __ __ _____@_____
Telephone Number Email Address

Executed this _____ day of _____ _____
Month Year

To sign this document electronically:

- Check the box indicating that you are signing this Customer Enrollment Agreement electronically and agree that your electronic signature is the legal equivalent of your manual or "wet" signature on the Agreement.

Sign your name as follows: /s/ Submeter MDMA Representative Name.

Attachment 1

EV Submeter Pilot Phase 2

Multiple Customers-of-Record (MCOR)Scenarios

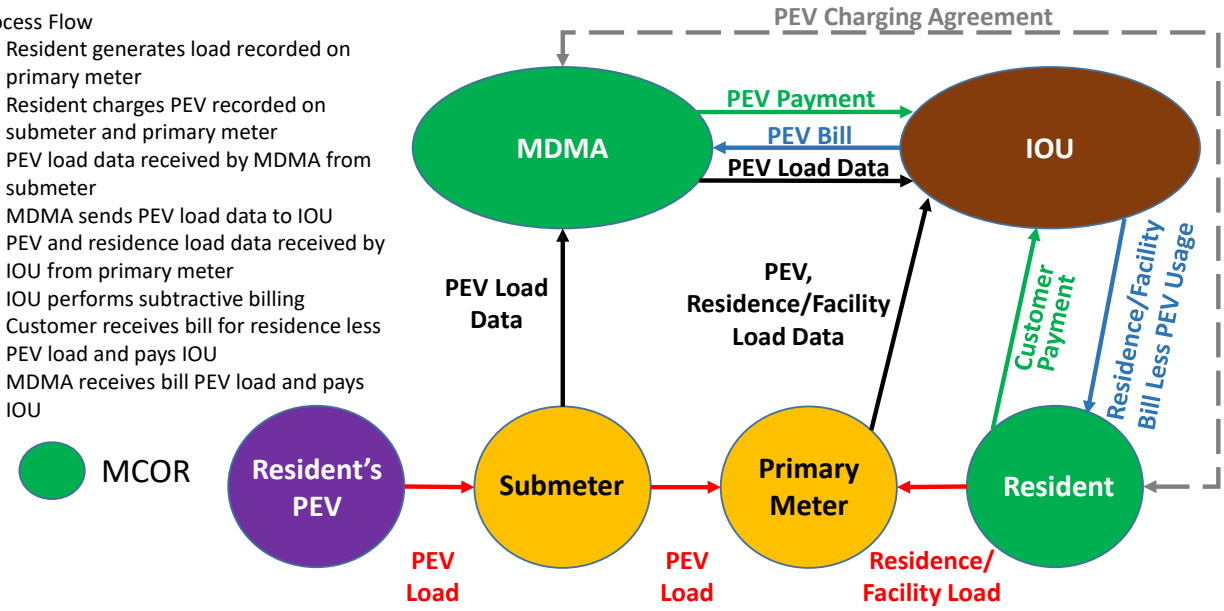
The following scenarios are single customers-of-record scenarios that will be supported by the IOUs.

Scenario 1: MDMA (IOU Customer) Pays Submeter Bill and Resident (IOU Customer) Pays Primary Meter Bill Less PEV Charging Usage

Single Family Resident/Commercial Facility[1] Resident

Process Flow

1. Resident generates load recorded on primary meter
2. Resident charges PEV recorded on submeter and primary meter
3. PEV load data received by MDMA from submeter
4. MDMA sends PEV load data to IOU
5. PEV and residence load data received by IOU from primary meter
6. IOU performs subtractive billing
7. Customer receives bill for residence less PEV load and pays IOU
8. MDMA receives bill PEV load and pays IOU



[1] Facility includes residents in MUD, condo complex or commercial building

PLUG-IN ELECTRIC VEHICLE SUBMETERING PILOT PHASE 2

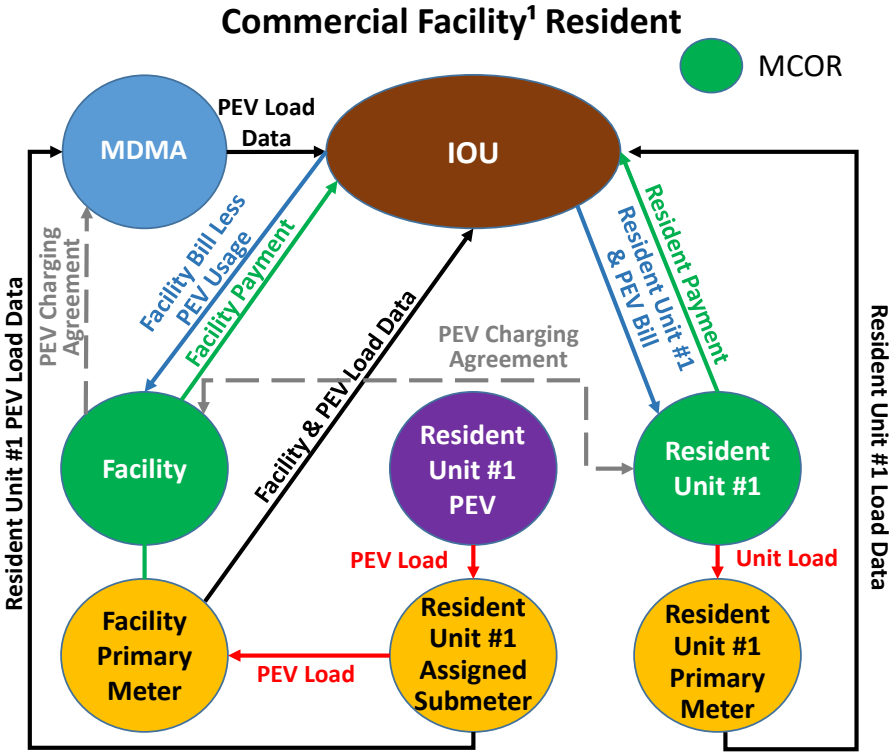
Attachment 1

Multiple Customers-of-Record Scenarios

Scenario 2: Resident (IOU Customer) Pays Submeter Bill, Facility (IOU Customer) Pays Primary Meter Bills Less EV Charging Usage

Process Flow

1. Resident Unit #1 generates load recorded on primary meter
2. Resident Unit #1 charges PEV recorded on assigned submeter and facility primary meter
3. Resident Unit #1 PEV load data received by MDMA from resident submeter
4. MDMA sends Unit #1 PEV load data to IOU
5. PEV and facility load data received by IOU from facility primary meter
6. Residence Unit #1 load data received from residence primary meter
7. IOU performs subtractive billing
8. Resident Unit #1 receives bill for separate residence and PEV accounts and pays IOU
9. Facility receives bill less PEV load and pays IOU



[1] Facility includes residents in MUD, condo complex or commercial building

Pacific Gas and Electric Company®

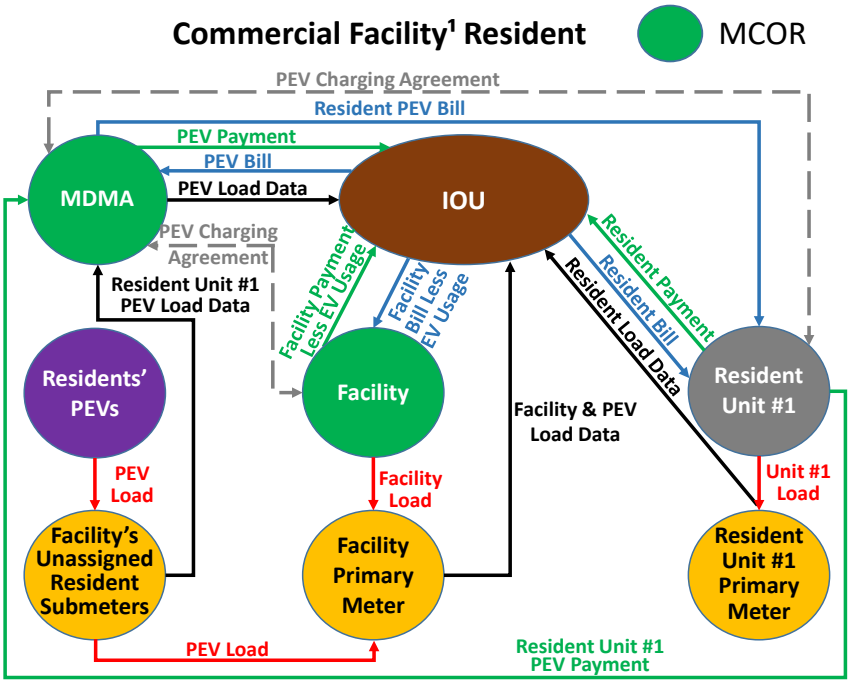
Attachment 1

Multiple Customers-of-Record Scenarios

Scenario 3: MDMA (IOU Customer) Pays Submeter Bill, Facility (IOU Customer) Pays Primary Meter Bill Less EV Charging Usage, Resident (IOU Customer) Pays IOU Unit #1 Bill and Pays MDMA for EV Usage.

Process Flow

1. Resident Unit #1 generates load recorded on residence primary meter
2. Resident Unit #1 joins MDMA's EV charging program and charges PEV which is recorded on unassigned submeter and facility primary meter
3. Facility PEV load data received by MDMA from facility submeter
4. MDMA sends facility PEV load data to IOU
5. PEV and facility load data received by IOU from facility primary meter
6. Residence Unit #1 load data received from residence primary meter
7. IOU performs subtractive billing
8. Resident Unit #1 receives bill for residence and pays IOU
9. Resident receives bill from MDMA for PEV load and Pays MDMA.
10. Facility receives bill less PEV load and pays IOU



[1] Facility includes residents in MUD, condo complex or commercial building

Pacific Gas and Electric Company

DISTRIBUTION
- ☐ Customer
- ☐ Division
- ☐ Tariff Interpretation
- ☐ Customer Relations
- ☐ Electric Billing Solutions

REFERENCES
SAID #:_____
Premises #:_____
CDx/Acct#:_____
_____

SPECIAL AGREEMENT FOR RETAIL STORAGE STATION SERVICE FOR IN FRONT OF THE METER APPLICATIONS

This is an agreement between Pacific Gas and Electric Company (PG&E), a California corporation, and _____ (Customer), a(n) _____. This agreement will be herein referred to as "Agreement".

Customer has requested PG&E to provide Retail Station Power at Customer's premises at _____, County of_____ California, under one of the billing options designated below:

Storage Resource Name/Location	Resource Type: NAS, Flow Battery, Flywheel, Pumped storage etc.	Capacity (KW)	Make and Model e.g.Tesla, ABB, Siemens, Samsung etc.

Capitalized terms in this agreement that are not defined in this agreement are otherwise defined in PG&E's other applicable tariff schedules

☐ **Option 1 – Station Power Load Reference –** Station Power Load Reference value will be established by measuring its Retail Station Power loads at Idle Charging State, prior to issuance of the Permission To Operate (PTO) letter by PG&E.[1] This reference point will be set initially via field tests and will at each anniversary adjust based on the maximum demand values obtained in the prior 12 months.

The initial Station Power Load Reference Value _____ kW

The initial Crossover Threshold Value _____ kW

☐ **Option 2 – Separate Retail Station Power Meter –** Retail Station Power is separately metered, the bill will be determined from actual usage data obtained from either the Retail Station Power grid-tie meter or the station power sub-meter.

The initial Station Power Load Reference Value _____ kW

[1] Per PG&E Rule 21, all energy resources, including storage facilities are not permitted to operate in parallel with the PG&E grid until after all Rule 21 requirements are met including Customer's receipt of a Permission to Operate letter from PG&E.

☐ **Option 3 – Estimation Of Metered Data –** PG&E and Customer shall agree on the derivation methodology and included as specified in this Special Agreement for Retail Storage Station Service For In Front Of The Meter Storage Applications. Such derivation may include reliance upon third-party metering. Metering and other reasonable basis must be agreeable to both PG&E and Customer.

The initial Station Power Load Reference Value _____ kW

SCHEDULING COORDINATOR DESIGNATION:

Storage station service customers must elect a scheduling coordinator prior to the issuance of the PTO.

Scheduling Coordinator Name _____

Address _____

Phone Number _____

Terms and Conditions

1. Customer has requested PG&E to stand ready at all times to deliver or supply and deliver electric energy to Customer's premises on an as-needed basis. Such retail storage station service shall be provided to Customer in accordance with and subject to PG&E's applicable rates and rules as established from time to time by, and on file with, the California Public Utilities Commission.

2. This agreement is not intended to cover wholesale service.

3. PG&E shall be granted, without cost to it, all necessary rights-of-way and easements, satisfactory to PG&E, in both location and form of document, to establish such service.

4. All necessary service facilities to accommodate Customer's retail storage station service load shall be furnished by PG&E and Customer as specified in electric line extension and service rules or the otherwise appropriate extension agreements. Any necessary extensions and reinforcements of PG&E's distribution and transmission facilities that are furnished by PG&E at Customer's expense in accordance with either a separate line extension or special facilities agreement, in accordance with the applicable tariffs.

5. All facilities furnished by PG&E to provide retail storage station service at all times shall be and remain the property of PG&E notwithstanding that they may be affixed to Customer's property. PG&E may remove such facilities upon termination of the Agreement.

6. During the term of this Agreement, Customer grants to PG&E the right to operate, maintain, replace, and repair PG&E's facilities on Customer's premises necessary to provide retail storage station service hereunder and all rights necessary for access to and from such facilities at all reasonable times.

7. All retail storage station service provided shall be _____ phase, 60 hertz, alternating current at an electromotive force of approximately _____ volts. Allowable variations in this frequency and voltage are specified in PG&E's electric Rule 2. The delivery point for the retail storage station service shall be considered the point where conductors owned, or under license by Customer, contact PG&E's conductors, or as otherwise designated by applicable rules.

8. The initial reserved capacity for storage charging service shall be _____ kW (Reservation Capacity) and shall be billed monthly at the rate described in the "Rates" section of Schedule S or Schedule SB. However, the Station Power Load Reference Value shall be the Reservation Capacity.

9. The initial term of this Agreement shall be for a period of one (1) year from the date the station service under this Agreement is first made available to Customer as such date is established in PG&E's records and shall continue thereafter from year to year. Customer may terminate this Agreement at the expiration of the initial or any subsequent one-year term, or PG&E may terminate this Agreement in accordance with its tariffs, provided that written notice of such termination is given to the other party at least thirty (30) days prior to such termination date.

10. Customer may, with PG&E's written consent, assign this Agreement to a subsequent owner of the premises if the assignee will, in writing; agree to perform the obligations of the Agreement.

11. 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.

Dated this _____ day of _____, _____.

APPROVED:

	PACIFIC GAS AND ELECTRIC COMPANY
_____ *Customer*	
_____ *Authorized Signature*	_____ *Authorized Signature*
_____ *Print Name*	_____ *Print Name*
_____ *Title*	_____ *Title*
_____ *Date*	_____ *Date*

Mailing Address:

_____

_____

_____

_____

Mailing Address:

Pacific Gas and Electric Company

77 Beale Street, M/C B8M

San Francisco, CA 94105

Electric Sample Form No. 79-1193 Sheet 1

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

Please Refer to Attached Sample Form

(Continued)

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

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 and participants in the Demand Response Programs below are not eligible to participate in NEM.
  - 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 NEM program.

Part I – Generating Facility Information and Responsible Parties

A. Customer and Generating Facility Information (*as it appears on the PG&E bill):

NEM 30 kilowatts or Less Paired with Energy Storage: ☐ Single Account ☐ Multiple Aggregated Accounts

Note: Net Energy Metering Aggregation (NEMA) is a program that allows customers with multiple meters to use the renewable energy generated at one meter (up to 1MW) 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. Energy Storage system must be 10 kilowatts or less.

Customer Sector (check only one):

☐ Residential
☐ Commercial
☐ Industrial
☐ Non-Profit
☐ Educational
☐ Military
☐ Other Government

Account Holder Name* (Individual or Company) _____ Electric Service Agreement ID * _____ Meter Number* _____

Service Address* _____ City* _____ State CA Zip* _____

Customer Phone Number _____ Email (if blank, Permission to Operate (PTO) letter will be mailed to mailing address on record) _____

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 Interconnection For Solar And/Or Wind Electric Generating Facilities Of 30 Kilowatts Or Less with Energy Storage of 10 Kilowatts Or Less

Pacific Gas and Electric Company

❑ **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 an Interconnection Request 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 – NEM Generator System Size

A. Interconnection Study and Requirements

This Agreement covers the installed Generating Facility nameplate listed in the associated Interconnection Request.

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) a valid Interconnection Request, and (3) a copy of the final signed jurisdiction approval (building permit) for your project.

NEM 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. For customers on a Time-of-Use rate, sizing your system to offset 80%-85% of your average electricity usage could be an effective way to minimize your electricity bill. For customer who are not on a Time-of-Use rate, you might want to size your system larger (90-95% of your annual load), in order to minimize your electricity bill. Of course, individual circumstances may vary. Customers can obtain their usage data from www.pge.com/greenbutton. System sizing eligibility will be reviewed using the criteria below.

B. Generator System Sizing

Generator System Type: ❒ Solar ❑ Wind ❒ Both

Estimated Annual Production:

- Please complete this section only if installing a new Solar or Wind system or modifying an existing Solar or Wind system. This section is not applicable if only adding energy storage to an existing previously interconnected Solar or Wind system.
- Solar Systems > 5 kW (CEC-AC kW) or any system with wind, size is determined below. Please continue to fill out all of Section B.
- The Solar CEC-AC kW calculated from the Application cannot exceed 5% of the CEC-AC kW listed above

AGREEMENT AND CUSTOMER AUTHORIZATION
Net Energy Metering Interconnection For Solar And/Or Wind Electric Generating Facilities Of 30 Kilowatts Or Less with Energy Storage of 10 Kilowatts Or Less

	(1) Solar CEC-AC rating[A]	_____ (kW)	X 1,664[B]	=	_____ (kWh)
AND/OR	(2) Wind Nameplate rating	_____ (kW)	X 2,190[C]		_____ (kWh)
	(3) Total Energy Production		(1) + (2)		_____ (kWh)

Estimated Annual Energy Usage:

	(4) Recent annual usage	_____ (kWh)	X 1.1	=	_____ (kWh)
OR (If 12 months usage not available)	(5) Building size	_____ (sq ft)	X 3.32[D]	=	_____ (kWh)
AND	(6) I plan to increase my annual usage (kWh) by				_____ (kWh)
	(7) Total Energy Usage		(2 or 3) + (4)	=	_____ (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 J to read the provisions around Net Surplus Compensation (NSC).

Non-NEM Eligible Energy Storage System:

Energy Storage System Rating _____ kW

Does the energy storage system share an inverter with the NEM system? ☐ Yes ☐ No

If not, please provide:

Energy Storage Inverter Rating _____ kW

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 NEM Account: Select one rate from the category applicable to you. Visit www.pge.com/rateoptions or call (800)-PGE-5000 for rate information.

[A] 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

[B] 8,760 hrs/yr x 0.19 solar capacity factor = 1,664

[C] 8,760 hrs/yr x 0.25 wind capacity factor = 2,190

[D] 2 watts/ sq ft x 1/1,000 watts x 8,760 hrs/yr x 0.19 solar capacity factor = 3.32

Please complete this agreement in its entirety
Automated Document, Preliminary Statement, Part A.

AGREEMENT AND CUSTOMER AUTHORIZATION
Net Energy Metering Interconnection For Solar And/Or Wind Electric Generating Facilities Of 30 Kilowatts Or Less with Energy Storage of 10 Kilowatts Or Less

Residential Service Rate (Select one):

- ❑ E-1 – Non-Time-of-Use
- ❑ E-6 – Time-of-Use
- ❑ E-7[E] – Time-of-Use
- ❑ E-8[F] – Non-Time-of-Use
- ❑ E-9A[F] – Time-of-Use for Customers with a single meter for Electric Vehicle (EV) recharging station and home
- ❑ E-9B[F] – Time-of-Use for Customers with a separately metered EV recharging station
- ❑ EV-A[F] – Time-of-Use for Customers with a single meter for Electric Vehicle (EV) recharging station and home
- ❑ EV-B[G] – Time-of-Use for Customers with a separately metered EV recharging station
- ❑ Other (_____)

Small and Medium Commercial Service Rate (Select one rate and primary or secondary service voltage):

	Primary	Secondary
❑ A-1 – Small General Service	❑	❑
❑ A-6 – Small General Time-of-Use Service	❑	❑
❑ A-10 – Medium General Demand-Metered Service	❑	❑
❑ A-10 – Medium General Time-of-Use Service	❑	❑
❑ B-1 – Small General Service	❑	❑
❑ B-6 – Small General Time-of-Use Service	❑	❑
❑ B-10 – Medium General Time -of-Use Service	❑	❑
❑ Other (_____)	❑	❑

Agricultural Power Service Rate: (Select one rate and rate option):

	A	B	C	D	E	F
❑ AG-1	❑	❑				
❑ AG-R[F] – Split-Week Time-of-Use	❑	❑		❑	❑	
❑ AG-V[F] – Short-Peak Time-of-Use	❑	❑		❑	❑	
❑ AG-4 – Time-of-Use	❑	❑	❑	❑	❑	❑
❑ AG-5 – Time of Use	❑	❑	❑	❑	❑	❑
❑ Other (_____)	❑	❑	❑	❑	❑	❑

If your current rate is a closed rate, as identified in Footnote F, and you are now opting to move to a non-closed rate per the Otherwise Applicable Rate Schedule (OAS) for NEM Account, please check the box below acknowledging that you are leaving the closed rate and will not be able to select the closed rate in the future.

❑ I acknowledge and consent to leaving my current rate that is a closed rate

[E] E-7, E-8, E-9A, E-9B, AG-R, and AG-V are closed to all new customers and are only available to Customers that are currently on the rate
[F] Rates effective August 1, 2013 for Customers with Electric Vehicles. Please visit www.pge.com/electricvehicles for more rate information

AGREEMENT AND CUSTOMER AUTHORIZATION
Net Energy Metering Interconnection For Solar And/Or Wind Electric Generating Facilities Of 30 Kilowatts Or Less with Energy Storage of 10 Kilowatts Or Less

Part IV – Interconnection Agreement Provisions

A. Purpose

The purpose of this Net Energy Metering (NEM) Application and Interconnection Agreement for Solar and/or Wind Electric Generating Facilities of 30 Kilowatts or Less (Agreement) is to allow Customer to interconnect with Pacific Gas and Electric Company's (PG&E) Distribution System, subject to the provisions of this Agreement and PG&E's Electric Schedule Net Energy Metering (NEM). Customer has elected to interconnect and operate its solar and/or wind electric Generating Facility in parallel with PG&E's Distribution System to offset part or all of the Customer's own electrical requirements at this service point. Customer shall comply at all times with this Agreement as well as with all applicable laws, tariffs and requirements of the California Public Utilities Commission (CPUC).

B. Applicability

This Agreement applies to Electric Schedule NEM Customer-Generators (Customer) who interconnect a solar and/or wind turbine electrical 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.

C. 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 for more details.

D. 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.

E. 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 electrical 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.

F. 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 electrical 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.

G. 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.

H. Rate

Customer has confirmed their otherwise applicable rate schedule (OAS), establishing how 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.

I. NEM Billing

PG&E installs a "net meter" on a customer's property that measures the net energy, defined as the difference between the amount of electricity supplied by the energy service provider and the amount of electricity exported to the grid over the course of a month. The Customer's account is enrolled in the NEM program and put on an annual (12- billing months) true-up cycle.

The meter is read monthly and an amount is calculated based on the net energy recorded in kilowatt hours (kWh). If a customer exported more electricity than they drew from PG&E 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.

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 NEM billing is available at www.pge.com/nembilling.

J. Net Surplus Compensation (NSC)

NSC payments are made to NEM 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. Participants in NEMA, please see provisions in Form 79-1153.

K. 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.

L. 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.

M. 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.

N. 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 NEM.

O. Meter Access

The electric meter must be installed in a safe location easily accessible upon PG&E request.

P. 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 NEM.

Q. 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.

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[1] 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.

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.

[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 Customer final inspection clearance from the governmental authority having jurisdiction over the generating system.

R. Signature

IMPORTANT INFORMATION FOR CUSTOMERS – BE SURE TO READ THIS ENTIRE DOCUMENT BEFORE SIGNING – THIS IS A LEGALLY BINDING CONTRACT – READ IT CAREFULLY.

AGREEMENT AND CUSTOMER AUTHORIZATION
Net Energy Metering Interconnection For Solar And/Or Wind Electric Generating Facilities Of 30 Kilowatts Or Less with Energy Storage of 10 Kilowatts Or Less

THIS FORM MUST BE SIGNED BY AN EXISTING PG&E CUSTOMER.

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 will accept electronic signatures that are verified by qualified Third Parties such as, Adobe EchoSign, e-SignLive, and DocuSign for this Agreement if the Agreement is completed in its entirety before signing.

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 NEM requirements.

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 (N)
Sample Form (N)

(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 http://www.gosolarcalifornia.org/equipment/inverters.php.)

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,

(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)
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)

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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 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).

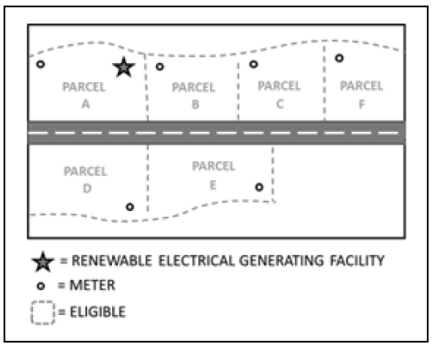
ATTACHMENT E

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: 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

1.3.2. 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: http://www.energy.ca.gov/renewables/documents/index.html#rps

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 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. 79-285 Sheet 1
Special Agreement for Electrical Standby Service

Please Refer to Attached
Sample Form

Pacific Gas and Electric Company

SPECIAL AGREEMENT FOR ELECTRICAL STANDBY SERVICE

DISTRIBUTION
- ☐ Customer
- ☐ Division
- ☐ Tariff Interpretation
- ☐ Customer Relations
- ☐ Electric Billing Solutions

REFERENCES

QF Log #:_____

Premises #:_____

CDx/Acct#:_____

_____

This is an agreement between Pacific Gas and Electric Company (PG&E), a California corporation, and _____ (Customer), a(n) _____. This agreement will be herein referred to as "Agreement".

Customer has requested PG&E to provide standby service at Customer's premises at _____, County of_____ California, under one of the standby options designated below:

[ ] **Option 1 – PG&E Standby Through Non-PG&E Supply Facilities –** Standby service for customers whose supply requirements would otherwise be delivered through PG&E owned facilities (including Independent System Operator controlled transmission facilities), are regularly and completely supplied through facilities not owned by PG&E.

The non-utility owned generating facilities have a total rated capacity of approximately _____kVA.

All PG&E power deliveries will be made under Schedule S or Schedule SB -- *Standby Service*.

[ ] **Option 2 – PG&E Standby When Service is from Another Utility –** Standby service for customers who regularly take electric service from another public utility but desire PG&E to reserve its generation, transmission or distribution capacity for their use:

Customer currently is supplied regular electric service from another utility's generation, transmission, or distribution system; Customer may be alternately served by PG&E by means of a double-throw switch. Both PG&E and the other utility have consented to this arrangement. Customer's maximum demand from electric equipment on his premises is _____kW.

All PG&E power deliveries will be made under Schedule S or Schedule SB.

This option is closed to all new customers after January 19, 2001.

[ ] **Option 3 – PG&E Standby for Non-Continuous/Irregular PG&E Supply –** Standby service for customers who require PG&E to reserve transmission or distribution capacity and stand ready at all times to deliver electricity on an irregular or non-continuous basis:

Customer has a) a premise which is normally, in part but not in whole, served by non-utility owned generation facilities with a total rated capacity of less than 50 percent of Customer's maximum demand for that premise, or b) a premise which qualifies for back-up service under the provisions of Special Condition 7 of Schedule S or Schedule SB (See Option 4) but chooses not to elect Option 4 or currently lacks the necessary on-site metering to bill Option 4 properly, or c) electrical equipment which is used on an irregular or non-continuous basis. The total rated capacity of Customer's generation facilities or irregularly utilized equipment is _____ kVA.

Customer will be billed for all PG&E power deliveries on the otherwise applicable rate schedule; however, Special Conditions 1 through 6 and 8, 9, and 10 of Schedule S or Schedule SB will also apply to Customer's service.

[ ] **Option 4 – PG&E Supplemental (Back-up and Maintenance) Standby Service –** Standby service for customers who do not meet the criteria described in Option 1 and 2 above, but elect to receive back-up and maintenance portion of their total standby requirements under the provisions of Special Condition 7 of Schedule S or Schedule SB:

At least 50 percent of Customer's maximum electric demand is served by a non-utility owned generator, and all necessary metering has been installed (by May 1, 1994, or the effective date of the contract) by PG&E to separately measure Customers net on-site generation and on-site load requirements. Customer would otherwise, except for such generation, qualify for service under Schedule E-19 (mandatory), E-20, B-19 or B-20.

Customer will be billed for the back-up and maintenance portion of the premises' total service requirements under the provisions of Special Condition 7 of Schedule S or Schedule SB, and for its ordinary supplemental power requirements (on-site load in excess of the capability of the customer's non-utility owned generation) under the provisions of the otherwise applicable rate schedule. All back-up and maintenance power deliveries by PG&E will be billed in accordance with Schedule S or Schedule SB. The total rated capacity of Customer's generation is kVA.

[ ] **Option 5 – PG&E Standby for Station Load Self-Supply –** Standby service for customers, whose supply requirements would otherwise be delivered through PG&E owned facilities (including Independent System Operator controlled transmission facilities), where the customers' Station Power requirements are regularly supplied through generating units in accord with the customer's CAISO-approved Station Power Portfolio (SPP), as described under the provisions of Special Condition 15 of Schedule S or Schedule SB .

PU Code 353 exemption:

Standby service for customers who qualify for exemption under PU Code 353 and elect to take this exemption.

[ ] *Customers does NOT qualify for PU Code 353 exemption*

[ ] **Customers with supplemental power requirements:**

For customers with supplemental power requirements (on-site load in excess of the capability of the customer's non-utility owned generation) under the provisions of the otherwise applicable rate schedule, Special Conditions 1 through 7 of Schedule S or Schedule SB will ***not*** *apply. (Option 3)*

[ ] **Customers with excess generation:**

For those customers who operate electric generation equipment capable of serving their entire load and elect to take this exemption, Special Condition 1 (reservation capacity) will ***not*** *apply. All other applicable charges of Schedule S or Schedule SB will apply. (Options 1, 2 and 4)*

Terms and Conditions

1. Customer has requested PG&E to stand ready at all times to deliver or supply and deliver electric energy to Customer's premises on an as-needed basis. Such standby service shall be provided to Customer in accordance with and subject to PG&E's applicable rates and rules as established from time to time by, and on file with, the California Public Utilities Commission (Commission).

2. PG&E shall be granted, without cost to it, all necessary rights-of-way and easements, satisfactory to PG&E, in both location and form of document, to establish such service.

3. All necessary service facilities to accommodate Customer's load shall be furnished by PG&E and Customer as specified in electric line extension and service rules or the otherwise appropriate extension agreements. Any necessary extensions and reinforcements of PG&E's distribution and transmission facilities that are furnished by PG&E at Customer's expense in accordance with either a separate line extension or special facilities agreement, in accordance with the applicable tariffs.

4. All facilities furnished by PG&E to provide electric service at all times shall be and remain the property of PG&E notwithstanding that they may be affixed to Customer's property. PG&E may remove such facilities upon termination of the Agreement.

5. During the term of this Agreement, Customer grants to PG&E the right to operate, maintain, replace, and repair PG&E's facilities on Customer's premises necessary to provide standby service hereunder and all rights necessary for access to and from such facilities at all reasonable times.

6. All standby electric service provided shall be _____ phase, 60 hertz, alternating current at an electromotive force of approximately ___ volts. Allowable variations in this frequency and voltage are specified in PG&E's electric Rule 2. The delivery point for PG&E's standby service shall be considered the point where conductors owned, or under license by Customer, contact PG&E's conductors, or as otherwise designated by applicable rules.

7. The initial reserved capacity for standby service shall be ___kW (Reservation Capacity) and shall be billed monthly at the rate described in the "Rates" section of Schedule S or Schedule SB.

   If the Customer is already receiving standby service from PG&E under a preceding contract, that contracted or reserved capacity, or the amount of capacity to which that contract has been subsequently ratcheted, shall automatically become the Customer's Reservation Capacity, until the ratchet period ends unless the Reservation Capacity has been increased in accordance with the preceding paragraph.

8. Customer elects to receive any backup and maintenance service that is to be billed under the provisions of Schedule S or Schedule SB under the following terms: _____ Firm Service Only.

9. If Customer has a generator and wishes to operate that generator in parallel with PG&E's system, Customer must also execute either a power purchase agreement, or parallel operation agreement, or applicable interconnection agreement with PG&E. Interconnection and operation of all non-utility owned generation paralleling with PG&E's system will be treated in accordance with electric Rule 21. Customers may need to meet those requirements as imposed by other governing entities having jurisdiction including the Independent System Operator and the Western Systems Coordinating Council.

10. Customer shall pay PG&E the monthly charges for the standby service provided hereunder at any established office of PG&E.

11. The initial term of this Agreement shall be for a period of one (1) year from the date the standby service under this Agreement is first made available to Customer as such date is established in PG&E's records and shall continue thereafter from year to year. Customer may terminate this Agreement at the expiration of the initial or any subsequent one-year term, or PG&E may terminate this Agreement in accordance with its tariffs, provided that written notice of such termination is given to the other party at least thirty (30) days prior to such termination date.

12. Customer may, with PG&E's written consent, assign this Agreement to a subsequent owner of the premises if the assignee will, in writing; agree to perform the obligations of the Agreement.

13. 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.

SPECIAL AGREEMENT FOR ELECTRICAL STANDBY SERVICE

Dated this _____ day of _____, _____.

APPROVED:

_____	**PACIFIC GAS AND ELECTRIC COMPANY**
Customer	
_____	_____
Authorized Signature	Authorized Signature
_____	_____
Print Name	Print Name
_____	_____
Title	Title
_____	_____
Date	Date

Mailing Address: _____
Co

_____

_____

Mailing Address: Pacific Gas and Electric

77 Beale St. B8M

San Francisco, CA 94105

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/)].

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 Sample Form No. 79-972
Agreement for Unmetered Electrical Service

Please Refer to Attached
Sample Form

Pacific Gas and Electric Company

DISTRIBUTION
- ☐ Customer
- ☐ Division,
- ☐ Records Processing

REFERENCES
PM#:_____
BD#:_____
SA#:_____

AGREEMENT FOR UNMETERED ELECTRICAL SERVICE

This Agreement between _____ (Customer) and Pacific Gas and Electric Company (the Company) is to establish and govern the provisions of unmetered electric service provided by the Company at the locations reported for equipment described in the attachments to this Agreement and billing data reported monthly or annually as required by this Agreement and subject to review by the Company for unmetered status.

WHEREAS, in the Company's opinion, it would be impractical to install electric meters at the requested locations and for equipment installed subject to this Agreement; and

WHEREAS, the consumption of electricity at such locations and for such equipment can be reasonably determined from manufacturer's specifications and operating characteristics of the Customer where the load is 11 hour photo controlled or 24 hour constant and of *one hundred fifty (150) watts or less rated or average consumption* on any one service connection point; and

WHEREAS, pursuant to the Company's electric Preliminary Statement Part A.6.a, Customer and the Company agree that, in lieu of installing meters at each location, the Company shall provide unmetered electric service as provided herein.

NOW THEREFORE, in consideration of the terms and covenants contained herein, Customer and the Company hereby agree as follows:

1. Customer's equipment that is the subject of this Agreement, are identified in the data sheets set forth in Attachment A (Equipment). Each location will be considered a separate account and billed on the Company's regular monthly billing cycle for the applicable area. Each location will be evaluated for unmetered service separate from any other location. Billing of fixed usage will be done under the rate schedule indicated on Attachment A. Billing will be based on the methodology described in paragraph 3, below. This Agreement is for Equipment directly connected to the Company's distribution system, and is not available for equipment connected via a third party service, third party equipment, or through photo control adapters attached to Company-owned or third-party-owned street light facilities.

2. Each individual piece of Equipment shall constitute a separate unit for purposes of this Agreement. The method of determining the electric usage for each unit shall be as follows:

   a) Where a unit is controlled by a photo control, any such photo control must meet ANSI Standard C136.10, turn on value 1.0 foot candles and turn off value of 1.5 foot candles. Usage must be equal to or less than 150 watts rated or average consumption. It will be billed at 11 hours of photo controlled operating time per day.
   b) Where a unit is not photo controlled, the unit will be billed on a 24-hour basis. Usage must be equal to or less than 150 watts rated or average consumption.
   c) Customer shall provide the Company all of the information necessary to complete Attachment A, including without limitation, the description of the equipment model, type, unit and load, prior to the installation of any Equipment. To facilitate completion of Attachment A, third party testing results or metered results are required where Customer has no manufacturer data. Information to verify the number and location of all Equipment at each service location shall be reported as described in Attachment B.

3. The monthly energy charge will be based on Equipment identified in Attachment A and the calculated kilowatt hours (kWh) applied to all locations for that equipment from the documented average consumption or rated input (not to exceed 150 watts) multiplied by either a) 731 hours per month (for 24-hour continuous usage) under paragraph 2b, above; or b) 335 hours per month (for photo controlled usage) under paragraph 2a, above. The monthly charge shall also include all other charges under the General Services rate schedule A-1 or B-1, including the single customer charge per location.

4 Pursuant to Section D of the Company's Electric Rule 3, Customer will promptly furnish the Company with notice of any changes in the connected or rated electrical loads or operating characteristics of such load for Equipment and each location for which service is provided under this Agreement, Attachment A shall be revised for the Equipment in question. As required in paragraph 6, Customers shall furnish the Company with information with a frequency and in a format acceptable to the Company, verifying and reconciling the Equipment at each service location, current installs and removals for the month or annually, including changes in Model or type of equipment. Any changes relating to the Model or type shall be reported as described in Attachment A. Any changes relating to the number or location of any Equipment and reflecting the net result of any installations or removals shall be reported as described in Attachment B. If it is determined that electrical load is connected that has not been accurately reported to the Company by Customer, such load will be billed in accordance with Electric Rules 17, 17.1, and 17.2 as applicable, and Customer shall pay the applicable charges for this electrical load, calculated in accordance with paragraphs 2 and 3, above. The Company reserves the right to field or bench test Customer's Equipment to verify the full rated input or average consumption. The Company reserves the right to review calibration records of Customer's test equipment used to provide measured load for previously existing grandfathered units. For load with photo controls, if photo control is discovered to be malfunctioning, billing will be based on 24-hour continuous load until such time it has been demonstrated to the Company's satisfaction that the control has been made operable.

5. Auditing will be conducted at the Company's sole discretion. Customer will provide a complete and accurate inventory and other information as required in paragraph 4 and in Attachment A and Attachment B. Customer shall provide access to Equipment and provide assistance to the Company as necessary to complete the audit. The Company shall have the right to collect the costs of the additional field verification work that would otherwise not be incurred in serving metered facilities.

6. As provided for in the Company's Electric Rule 11, Section A.1, billing will continue until such time that Customer informs the Company with 2 days prior written notice to: a) terminate billing: and b) as a condition of this Agreement, to make proper notification for scheduling the Company to de-energize Customer's Equipment.

7. Only duly authorized employees or agents of the Company may connect Customer's electrical loads to, or disconnect the same from, the Company's electric distribution facilities.

8. Neither this Agreement nor conditions of electric service hereunder shall constitute permission or authorization for any use or occupation of the Company's facilities or facilities of any third party by Customer. It shall be sole responsibility and obligation of Customer to secure any rights or permission that may be necessary for the placement and use of Customer's Equipment on private property or within the public right of way.

9. Service furnished in accordance with this Agreement shall in all respects be subject to Company's applicable tariffs on file with the California Public Utilities Commission and shall at times be subject to such changes or modifications by the California Public Utilities Commission as said Commission may, from time to time, direct in the exercise of its jurisdiction.

[1]Automated Document, Preliminary Statement Part A

10. Customer's Equipment shall be installed, maintained and operated at all times in accordance with all applicable laws, rules and regulations by any governmental authority with jurisdiction, including Commission's General Order 95. Customer will inform the Company as to the state, county, or local government authority with jurisdiction to approve installation of facilities to be energized, obtain proper inspection clearance or other approvals as required, and provide evidence of clearance to the Company. Where no state, county or local government authority has jurisdiction over Customer's installation, Customer will inform the Company of that fact and will provide the Company with a letter from Customer's qualified electrical engineer or engineering consultant authorizing Company to energize service to Customer's Equipment and indicating compliance with Customer's design criteria.

11. This Agreement may be cancelled by either party on thirty (30) days prior written notice to the other party, which shall result in termination of service, unless: a) a subsequent executed superseding agreement governing the terms of unmetered service has gone into effect prior to the termination of this Agreement; or b) a meter has been installed and the service has been transferred to metered status.

12. The Company may, at a later date, require metering of new, existing, additional, rearranged or relocated equipment that would otherwise register on its metering devices with then available practical technology, and decline to provide or continue unmetered service.

13. Nothing in this Agreement shall preclude the Company from requesting authority from the California Public Utilities Commission to implement an electric tariff for unmetered service. If an unmetered electric service tariff is approved for the Company, it shall apply to Customer's installations under this Agreement.

14. If Customer acquires additional unmetered facilities through merger, purchase, or other forms of acquisition, all such acquired unmetered facilities shall become subject to this Agreement, and billing will be adjusted as required by this Agreement. Customer must provide the information necessary to complete new Attachment A(s), if such additional unmetered facilities have not previously been identified to the Company. If Customer is acquired by a third party, assignment of this Agreement shall be subject to the provisions of paragraph 20.

15. The Company is authorized to revise the form of Attachment A and Attachment B at its sole discretion and at any time require additional information from Customer for the purpose of this Agreement, including without limitation, accurate data concerning equipment, maintaining accurate records, and promoting accurate and efficient billing.

16. All notices required herein shall be given in writing and delivered personally, by United States Postal Service or other nationally recognized courier service to the appropriate address below. Addresses may be changed by the Company or Customer as business needs change.

Customer:	_____	Pacific Gas and Electric Company
Address:	_____	Billing Revenue & Records
	_____	P.O. Box 8329
	_____	Stockton, CA 95208
	_____	
Attn:	_____	Attn. Unmetered Electric Usage

[1]Automated Document, Preliminary Statement Part A

17. Customer's bill shall be mailed to the address listed below and in Attachment A.

Billing Name: _____
Address: _____
_____

Attn: _____

18. The waiver by either Party of any default in the performance, or failure to insist on strict performance, by the other or any covenant or condition contained herein shall not be construed to be a waiver of any preceding or subsequent default of the same or any other covenant contained herein.

19. Customer may, with the Company's written consent, assign this Agreement if the assignee agrees in writing to perform all of Customer's obligations hereunder. Such assignment will be deemed to include, unless otherwise specified therein, all of the Customer's rights to any refunds which might become due upon discontinuance of service contracted. Customer remains responsible for all obligations under this Agreement up to the effective date of the assignment. In lieu of an assignment, the Customer's successor in interest may retrofit the Equipment for metering under Company's existing tariffs.

APPROVED:

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

[1]Automated Document, Preliminary Statement Part A

Electric Sample Form No. 79-972A Sheet 1
Attachment A to Agreement for Unmetered Services, Form 79-972

Please Refer to Attached
Sample Form

Pacific Gas and Electric Company

DISTRIBUTION:	REFERENCES:
☐ Billing Revenue and Records (Original)	Date of Agreement:
☐ Service Planning (Copy)	Date of Attachment:
☐ Customer (Copy)	PM #:
	SA #:

Attachment A to Agreement for Unmetered Services, Form 79-972*

Applicant: _____
Address: _____
_____
Billing Name: _____
Address (if different from mailing): _____
_____

Equipment billing information (to be completed by Pacific Gas and Electric Company)

Manufacturer/model or series _____

Equipment type* _____

**Use only one Attachment A per Equipment type*

Basic calculation for monthly kiloWatt hours (kWh) rounded to the nearest whole kWh for billing.
((Nominal voltage x Amps) /1000) x hours of operation
Use 731 hours for 24 hour load, or 335 hours for 11 hour photo controlled load.

Adjust Amps as needed when Average Documented Consumption is used in place of full rated amps for proper kWh billing.

Rate schedule	Nominal volts	Amps	Operating hours	*kWh/Mo billing*
A-1 or B-1				0

Applicant must provide the following:

° Equipment model, type and unit identification number
° Input ratings in amps, nominal volts or documented average consumption
° Description of apparatus, if any, which controls hours of equipment operation, photo control or other operating characteristics including range of efficiency rating, selectable range of voltages, and any other information deemed necessary by Pacific Gas and Electric Company to accurately establish billing amounts.

Additional documentation and attachments as required by Pacific Gas and Electric Company:

° *Pursuant to paragraphs 2a and 4 of the Agreement, for billing reporting, information required includes, but is not limited to:*
° Equipment location (e.g., Street light number, GPS coordinate or other acceptable identification)
° Notification of tax exemptions which apply to the provisions of service under this Agreement

Provide the following when requesting service through Pacific Gas and Electric Company local offices

° A copy of the Agreement and Attachments for Unmetered Services
° Necessary infromation to complete an Electric Rule 3 request for service if required.

* "Automated Document, Preliminary Statement, Part A".

ELECTRIC PRELIMINARY STATEMENT PART I Sheet 1
RATE SCHEDULE SUMMARY

I. Rate Summary

The following rates are used to separate billed revenue for accounting purposes.

Billed Component	Subcomponent	Applicability	Rate (per kWh)	
Distribution	California Public Utilities Commission Fee	All rate schedules, all customers.	$0.00059	
Distribution	CEE Incentive Rate	All rate schedules, all customers.	($0.00002)	
Transmission	Transmission Access Charge (FERC Jurisdictional)	All rate schedules, all customers.	$0.00618	
Transmission	End-Use Customer Refund Adjustment (ECRA)	Residential	($0.00010)	
		Small L&P	($0.00008)	
		Medium L&P	($0.00008)	
		E-19/B-19	($0.00008)	(T)
		Streetlights	($0.00006)	
		Standby	($0.00006)	
		Agriculture	($0.00006)	
		E-20/B-20	($0.00006)	(T)
Public Purpose Programs	CARE Surcharge	All rate schedules except CARE schedules, Schedules TC-1, LS-1, LS-2, and LS-3, and qualifying CARE usage under Schedules ESL, ESRL, ETL, and E-CARE all customers.	$0.00699	(T)

(Continued)

ELECTRIC SCHEDULE B-1 Sheet 1 (N)
SMALL GENERAL SERVICE (N)

APPLICABILITY: Schedule B-1 applies to single-phase and polyphase alternating-current service (for a description of these terms, see Section D of Rule 2*). This schedule is not available to residential or agricultural service for which a residential or agricultural schedule is applicable, except for single-phase and polyphase service in common areas in a multifamily complex (see Common-Area Accounts section). Customers that are otherwise eligible to take service on Schedule B-1 but are purchasing power to serve electric vehicle charging equipment, are not eligible to take service on this rate schedule. (N)

Decision 18-08-013 adopted new TOU periods and seasonal definitions for all non-residential customer classes. Schedules A-1, A-6, A-10, E-19 and E-20 will be retained as legacy rate schedules with their current TOU periods until the rates with new TOU periods (Schedules B-1, B-6, B-10, B-19 and B-20) established in the same proceeding, become mandatory in November 2020. Certain qualifying customers with solar systems will be permitted to maintain (i.e., be grandfathered on) their existing legacy TOU rate periods for a certain period of time, per Decision 17-01-006, as described in the Electric Rule 1, Definitions: Behind-the-Meter Solar TOU Grandfathering and Eligibility Requirements.

These new rates with revised TOU periods adopted in D.18-08-013, including Schedule B-1, will be available to qualifying customers on a voluntary basis beginning November 1, 2019. Customers eligible for this rate schedule must have an interval data meter that can be read remotely by PG&E. Beginning on November 1, 2020, customers still served on Schedule A-1, with the exception of solar grandfathered customers referenced above, will be transitioned to Schedule B-1 with revised TOU periods. The mandatory transition process is further described in the legacy rate Schedule A-1.

Customers with a maximum demand of 75 kW or greater for three consecutive months in the most recent twelve months are not eligible for continued service under this rate schedule. Eligibility for B-1 will be reviewed annually and the transition of customers that are no longer eligible for service on this rate schedule to Schedule B-10 will occur on the start of the customer's November billing cycle, or to Schedule B-19 Mandatory for customers with a maximum demand of 499 kW or greater for three consecutive months in the most recent twelve months. These customers will have at least 45-day notice prior to their planned transition date, during which they will continue to take service on this rate schedule. Customers may elect any other applicable rate schedule up to five (5) days prior to the planned transition date to Schedule B-10.

The provisions of Schedule SB—Standby Service Special Conditions 1 through 6 shall also apply to customers served under this schedule whose premises are regularly supplied in part (but not in whole) by electric energy from a non-utility source of supply. These customers will pay monthly reservation charges as specified under Section 1 of Schedule SB, in addition to all applicable Schedule B-1 charges. Exemptions to Standby Charges are outlined in the Standby Applicability Section of this rate schedule.

(N)

TERRITORY: This rate schedule applies everywhere PG&E provides electric service.

* The Rules referred to in this schedule are part of PG&E's electric tariffs. Copies are available at PG&E's local offices and website at http://www.pge.com/tariffs (N)

(Continued)

ELECTRIC SCHEDULE B-1 Sheet 2 (N)
SMALL GENERAL SERVICE (N)

RATES: Total bundled service charges are calculated using the total rates shown below. Direct Access (DA) and Community Choice Aggregation (CCA) charges shall be calculated in accordance with the paragraph in this rate schedule titled Billing. (N)

Time-of-Use Rates	Rate
Total Customer Charge Rates	
Customer Charge Single-phase ($ per meter per day)	$0.32854
Customer Charge Poly-phase ($ per meter per day)	$0.82136
Total TOU Energy Rates ($ per kWh)	
Peak Summer	$0.31260
Part-Peak Summer	$0.26337
Off-Peak Summer	$0.24256
Peak Winter	$0.23717
Off-Peak Winter	$0.22105
Super Off-Peak Winter	$0.20463 (N)

(Continued)

ELECTRIC SCHEDULE B-1 Sheet 3 (N)
SMALL GENERAL SERVICE (N)

RATES: (Cont'd.) Total bundled service charges shown on customers' bills are unbundled according to the component rates shown below. (N)

UNBUNDLING OF TOTAL RATES

Time-of-Use Rates	Rate
Customer Charge Rates: Customer charge rates provided in the Total Rate section above are assigned entirely to the unbundled distribution component.	
Energy Rates by Components ($ per kWh)	
Generation:	
Peak Summer	$0.17700
Part-Peak Summer	$0.12777
Off-Peak Summer	$0.10696
Peak Winter	$0.12175
Off-Peak Winter	$0.10563
Super Off-Peak Winter	$0.08921
Distribution:**	
Peak Summer	$0.08762
Part-Peak Summer	$0.08762
Off-Peak Summer	$0.08762
Peak Winter	$0.06744
Off-Peak Winter	$0.06744
Super Off-Peak Winter	$0.06744
Transmission* (all usage)	$0.02419
Transmission Rate Adjustments* (all usage)	$0.00327
Reliability Services* (all usage)	($0.00067)
Public Purpose Programs (all usage)	$0.01317
Nuclear Decommissioning (all usage)	$0.00088
Competition Transition Charges (all usage)	$0.00107
Energy Cost Recovery Amount (all usage)	($0.00057)
New System Generation Charge (all usage)**	$0.00161
DWR Bond (all usage)	$0.00503
California Climate Credit (all usage)***	$0.00000 (N)

* Transmission, Transmission Rate Adjustments, and Reliability Service charges are combined for presentation on customer bills.
** Distribution and New System Generation Charges are combined for presentation on customer bills.
*** Only customers that qualify as Small Businesses – California Climate Credit under Rule 1 are eligible for the California Climate Credit.

(Continued)

ELECTRIC SCHEDULE B-1 Sheet 4 (N)
SMALL GENERAL SERVICE (N)

TIME PERIOD

Times of the year and times of the day are defined as follows: (N)

SUMMER (Service from June 1 through September 30):

Peak:	4:00 p.m. to 9:00 p.m.	Every day, including weekends and holidays
Partial-Peak:	2:00 p.m. to 4:00 p.m. AND 9:00 p.m. to 11:00 p.m.	Every day, including weekends and holidays
Off-Peak	All other hours	

WINTER (Service from October 1, through May 31)

Peak	4:00 p.m. to 9:00 p.m.	Every day, including weekends and holidays
Super Off Peak	9:00 a.m. to 2:00 p.m.	Every day in March, April and May only
Off-Peak	All other hours.	

SEASONS: The summer rate is applicable June 1 through September 30, and the winter rate is applicable October 1 through May 31. When billing includes use in both the summer and winter periods, charges will be prorated based upon the number of days in each period.

CONTRACT: For customers who use service for only part of the year, this schedule is available only on annual contract.

COMMON-AREA ACCOUNTS: Common-area accounts are those accounts that provide electric service to Common Use Areas as defined in Rule 1. Common-area accounts that are separately metered by PG&E and which took electric service from PG&E on or prior to January 16, 2003, had a one-time opportunity to return to a residential rate schedule from April 1, 2004, to May 31, 2004, by notifying PG&E in writing. These accounts remain eligible for service under this rate schedule if the customer did not invoke this first right of return.

In the event that the CPUC substantially reduces the surcharges or substantially amends any or all of PG&E's commercial or residential rate schedules, the Executive Council of Homeowners (ECHO) can direct PG&E to begin an optional second right-of-return period lasting 105 days.

Newly constructed common-areas that are separately metered by PG&E and which first took electric service from PG&E after January 16, 2003, have a one-time opportunity to transfer to a residential rate schedule during a two-month window that begins 14 months after taking service on a commercial rate schedule. This must be done by notifying PG&E in writing. These common-area accounts have an additional opportunity to return to a residential schedule in the event that ECHO directs PG&E to begin a second right-of-return period. (N)

(Continued)

ELECTRIC SCHEDULE B-1 Sheet 5 (N)
SMALL GENERAL SERVICE (N)

BILLING: A customer's bill is calculated based on the option applicable to the customer. (N)

Bundled Service Customers receive supply and delivery services solely from PG&E. The customer's bill is based on the total rates and conditions set forth in this schedule.

Transitional Bundled Service Customers take transitional bundled service as prescribed in Rules 22.1 and 23, or take bundled service prior to the end of the six (6) month advance notice period required to elect bundled portfolio service as prescribed in Rules 22.1 and 23. These customers shall pay charges for transmission, transmission rate adjustments, reliability services, distribution, nuclear decommissioning, public purpose programs, New System Generation Charges, the applicable Cost Responsibility Surcharge (CRS) pursuant to Schedule DA CRS or Schedule CCA CRS and short-term commodity prices as set forth in Schedule TBCC.

Direct Access (DA) and Community Choice Aggregation (CCA) Customers purchase energy from their non-utility provider and continue receiving delivery services from PG&E. Bills are equal to the sum of charges for transmission, transmission rate adjustments, reliability services, distribution, public purpose programs, nuclear decommissioning, New System Generation Charges, the franchise fee surcharge, and the applicable CRS. The CRS is equal to the sum of the individual charges set forth below. Exemptions to the CRS are set forth in Schedules DA CRS and CCA CRS.

	DA /CCA CRS
Energy Cost Recovery Amount Charge (per kWh)	($0.00057)
DWR Bond Charge (per kWh)	$0.00503
CTC Charge (per kWh)	$0.00107
Power Charge Indifference Adjustment (per kWh)	
2009 Vintage	$0.02131
2010 Vintage	$0.02465
2011 Vintage	$0.02564
2012 Vintage	$0.02677
2013 Vintage	$0.02696
2014 Vintage	$0.02699
2015 Vintage	$0.02705
2016 Vintage	$0.02693
2017 Vintage	$0.02699
2018 Vintage	$0.02706
2019 Vintage	$0.02905 (N)

(Continued)

ELECTRIC SCHEDULE B-1 Sheet 6 (N)
SMALL GENERAL SERVICE (N)

CARE DISCOUNT: Nonprofit Group-Living Facilities which meet the eligibility criteria in Rule 19.2 or 19.3 are eligible for a California Alternate Rates for Energy discount pursuant to Schedule E CARE. CARE customers are exempt from paying the DWR Bond Charge. (N)

STANDBY APPLICABILITY: SOLAR GENERATION FACILITIES EXEMPTION: Customers who utilize solar generating facilities which are less than or equal to one megawatt to serve load and who do not sell power or make more than incidental export of power into PG&E's power grid and who have not elected service under Schedule NEM, will be exempt from paying the otherwise applicable standby reservation charges.

DISTRIBUTED ENERGY RESOURCES EXEMPTION: Any customer under a time-of-use rate schedule using electric generation technology that meets the criteria as defined in Electric Rule 1 for Distributed Energy Resources is exempt from the otherwise applicable standby reservation charges. Customers qualifying for this exemption shall be subject to the following requirements. Customers qualifying for an exemption from standby charges under Public Utilities (PU) Code Sections 353.1 and 353.3, as described above, must transfer to Schedule A-6 or E-19, to receive this exemption until a real-time pricing program, as described in PU Code 353.3, is made available. Once available, customers qualifying for the standby charge exemption must participate in the real-time program referred to above. Qualification for and receipt of this distributed energy resources exemption does not exempt the customer from metering charges applicable to time-of-use (TOU) and real-time pricing, or exempt the customer from reasonable interconnection charges, non-bypassable charges as required in Preliminary Statement BB - *Competition Transition Charge Responsibility for All Customers and CTC Procurement*, or obligations determined by the Commission to result from participation in the purchase of power through the California Department of Water Resources, as provided in PU Code Section 353.7.

DWR BOND CHARGE: The Department of Water Resources (DWR) Bond Charge was imposed by California Public Utilities Commission Decision 02-10-063, as modified by Decision 02-12-082, and is property of DWR for all purposes under California law. The Bond Charge applies to all retail sales, excluding CARE and Medical Baseline sales. The DWR Bond Charge (where applicable) is included in customers' total billed amounts. (N)

(Continued)

ELECTRIC SCHEDULE B-10 Sheet 1 (N)
MEDIUM GENERAL DEMAND-METERED SERVICE (N)

APPLICABILITY: Schedule B-10 is a demand metered rate schedule for general service customers. Schedule B-10 applies to single-phase and polyphase alternating-current service (for a description of these terms, see Section D of Rule 2*). This schedule is not available to residential or agricultural service for which a residential or agricultural schedule is applicable, except for single phase and polyphase service in common areas in a multifamily complex (see Common-Area Accounts section). (N)

Decision 18-08-013 adopted new TOU periods for all non-residential customer classes. Schedules A-1, A-6, A-10, E-19 and E-20 will be retained as legacy rate schedules with their current TOU periods until the rates with new TOU periods (Schedules B-1, B-6, B-10, B-19 and B-20) established in the same proceeding, become mandatory in November 2020. Certain qualifying customers with solar systems will be permitted to maintain (i.e., be grandfathered on) their existing legacy TOU rate periods for a certain period of time, per Decision 17-01-006, as described in the Electric Rule 1, Definitions: Behind-the-Meter Solar TOU Grandfathering and Eligibility Requirements.

These new rates with revised TOU periods adopted in D.18-08-013, including Schedule B-10, will be available to qualifying customers on a voluntary basis beginning November 1, 2019. Customers eligible for this rate schedule must have an interval data meter that can be read remotely by PG&E. Beginning on November 1, 2020, customers still served on Schedule A-10, with the exception of solar grandfathered customers referenced above, will be transitioned to Schedule B-10 with revised TOU periods. The transition notification and default process are further described in the legacy rate Schedule A-10.

The provisions of Schedule SB—Standby Service Special Conditions 1 through 6 shall also apply to customers served under this schedule whose premises are regularly supplied in part (but not in whole) by electric energy from a nonutility source of supply. These customers will pay monthly reservation charges as specified under Section 1 of Schedule SB, in addition to all applicable Schedule B-10 charges. Exemptions to standby charges are outlined in the Standby Applicability Section of this rate schedule.

Eligibility for Schedule B-10: Under Rate Schedule B-10, there is a limit on the demand (the number of kilowatts (kW)) the customer may require from the PG&E system. If the customer's demand exceeds 499 kW for three consecutive months, the customer's account will be transferred to Schedule B-19 or B-20. However, there is no minimum demand requirement to be served under this rate Schedule.

Assignment of New Customers: If a customer is new and PG&E believes that the customer's maximum demand will be between 75 and 499 kilowatts and that the customer should not be served under an agricultural or residential rate schedule, PG&E will serve the customer's account under the provisions of Rate Schedule B-10.

TERRITORY: This rate schedule applies everywhere PG&E provides electric service.

* The rules referred to in this schedule are part of PG&E's electric tariffs. Copies are available at PG&E's local offices and on the website at http://www.pge.com/tariffs. (N)

(Continued)

ELECTRIC SCHEDULE B-10 Sheet 2 (N)
MEDIUM GENERAL DEMAND-METERED SERVICE (N)

RATE: (N)

Total bundled service charges shown on customers' bills are unbundled according to the component rates shown below. Direct Access (DA) and Community Choice Aggregation (CCA) charges shall be calculated in accordance with the paragraph in this rate schedule titled Billing.

TOTAL RATES

	Secondary Voltage	Primary Voltage	Transmission Voltage
Total Customer/Meter Charge Rates			
Customer Charge ($ per meter per day)	$4.59959	$4.59959	$4.59959
Total Demand Rates ($ per kW)			
Summer	$11.95	$11.75	$9.02
Winter	$11.95	$11.75	$9.02
Total Energy Rates ($ per kWh)			
Peak Summer	$0.26529	$0.25243	$0.20863
Part-Peak Summer	$0.20360	$0.19413	$0.15189
Off-Peak Summer	$0.17104	$0.16329	$0.12182
Peak Winter	$0.18903	$0.17958	$0.15558
Off-Peak Winter	$0.15355	$0.14595	$0.12274
Super Off-Peak Winter	$0.11721	$0.10961	$0.08640 (N)

(Continued)

ELECTRIC SCHEDULE B-10 Sheet 3 (N)
MEDIUM GENERAL DEMAND-METERED SERVICE (N)

RATES: (N)

Total bundled service charges shown on customers' bills are unbundled according to the component rates shown below.

UNBUNDLING OF TOTAL RATES

Customer/Meter Charge Rates: Customer charge rates provided in the Total Rate section above are assigned entirely to the unbundled distribution component.

	Secondary Voltage	Primary Voltage	Transmission Voltage
Demand Rate by Components ($ per kW)			
Generation:			
Summer	-	-	-
Winter	-	-	-
Distribution:**			
Summer	$4.28	$4.08	$1.35
Winter	$4.28	$4.08	$1.35
Transmission Maximum Demand*	$7.89	$7.89	$7.89
Reliability Services Maximum Demand*	($0.22)	($0.22)	($0.22)
Energy Rate by Components ($ per kWh)			
Generation:			
Peak Summer	$0.20025	$0.18751	$0.17957
Part-Peak Summer	$0.13856	$0.12921	$0.12283
Off-Peak Summer	$0.10600	$0.09837	$0.09276
Peak Winter	$0.14221	$0.13288	$0.12652
Off-Peak Winter	$0.10673	$0.09925	$0.09368
Super Off-Peak Winter	$0.07039	$0.06291	$0.05734
Distribution:**			
Summer	$0.04204	$0.04215	$0.00658
Winter	$0.02382	$0.02393	$0.00658
Transmission Rate Adjustments* (all usage)	$0.00327	$0.00327	$0.00327
Public Purpose Programs (all usage)	$0.01181	$0.01158	$0.01129
Competition Transition Charge (all usage)	$0.00111	$0.00111	$0.00111
Energy Cost Recovery Amount (all usage)	($0.00057)	($0.00057)	($0.00057)
Nuclear Decommissioning (all usage)	$0.00088	$0.00088	$0.00088
DWR Bond (all usage)	$0.00503	$0.00503	$0.00503
New System Generation Charge (all usage)**	$0.00147	$0.00147	$0.00147
California Climate Credit (all usage)***	$0.00000	$0.00000	$0.00000

* Transmission, Transmission Rate Adjustments, and Reliability Service charges are combined for presentation on customer bills.
** Distribution and New System Generation Charges are combined for presentation on customer bills.
*** Only customers that qualify as Small Businesses – California Climate Credit under Rule 1 are eligible for the California Climate Credit. (N)

(Continued)

ELECTRIC SCHEDULE B-10 Sheet 4 (N)
MEDIUM GENERAL DEMAND-METERED SERVICE (N)

TIME PERIODS: Times of the year and times of the day are defined as follows: (N)

SUMMER - Service from June 1 through September 30:

Peak:	4:00 p.m. to 9:00 p.m.	Every day, including weekends and holidays
Partial-peak:	2:00 p.m. to 4:00 pm AND 9:00 p.m. to 11:00 p.m.	Every day, including weekends and holidays
Off-peak:	All other Hours.	

WINTER - Service from October 1 through May 31:

Peak:	4:00 p.m. to 9:00 p.m.	Every day, including weekends and holidays
Super Off-Peak	9:00 a.m. to 2:00 p.m.	Every day in March, April and May only, including weekends and holidays
Off-peak:	All other Hours.	

SEASONS: The summer rate is applicable June 1 through September 30, and the winter rate is applicable October 1 through May 31. When billing includes use in both the summer and winter periods, charges will be prorated based upon the number of days in each period. (N)

(Continued)

ELECTRIC SCHEDULE B-10 Sheet 5 (N)
MEDIUM GENERAL DEMAND-METERED SERVICE (N)

BASIS FOR DEMAND CHARGE:

The customer will be billed for demand according to the customer's "maximum demand" each month. The number of kW used will be recorded over 15-minute intervals; the highest 15-minute average in the month will be the customer's maximum demand. (N)

SPECIAL CASES: (1) If the customer's use of energy is intermittent or subject to severe fluctuations, a 5-minute interval may be used; and (2) If the customer uses welders, the demand charge will be subject to the minimum demand charges for those welders' ratings, as explained in Section J of Rule 2.

DEFINITION OF SERVICE VOLTAGE:

The following defines the three voltage classes of Schedule B-10 rates. Standard Service Voltages are listed in Rule 2, Section B.1.

a. Secondary: This is the voltage class if the service voltage is less than 2,400 volts or if the definitions of "primary" and "transmission" do not apply to the service.

b. Primary: This is the voltage class if the customer is served from a "single customer substation" or without transformation from PG&E's serving distribution system at one of the standard primary voltages specified in PG&E's Electric Rule 2, Section B.1.

c. Transmission: This is the voltage class if the customer is served without transformation from PG&E's serving transmission system at one of the standard transmission voltages specified in PG&E's Rule 2, Section B.1.

PG&E retains the right to change its line voltage at any time. Customers receiving voltage discounts will get reasonable notice of any impending change. They will then have the option of taking service at the new voltage (and making whatever changes in their systems are necessary) or taking service without a voltage discount through transformers supplied by PG&E.

CONTRACT:

For customers who use service for only part of the year, this schedule is available only on an annual contract. (N)

(Continued)

ELECTRIC SCHEDULE B-10 Sheet 6 (N)
MEDIUM GENERAL DEMAND-METERED SERVICE (N)

COMMON-AREA ACCOUNTS: Common-area accounts are those accounts that provide electric service to Common Use Areas as defined in Rule 1. Common-area accounts that are separately metered by PG&E and which took electric service from PG&E on or prior to January 16, 2003, had a one-time opportunity to return to a residential rate schedule from April 1, 2004, to May 31, 2004, by notifying PG&E in writing. These accounts remain eligible for service under this rate schedule if the customer did not invoke this first right of return. (N)

In the event that the CPUC substantially amends any or all of PG&E's commercial or residential rate schedules, the Executive Council of Homeowners (ECHO) can direct PG&E to begin an optional second right-of-return period lasting 105 days.

Newly constructed common-areas that are separately metered by PG&E and which first took electric service from PG&E after January 16, 2003, have a one-time opportunity to transfer to a residential rate schedule during a two-month window that begins 14 months after taking service on a commercial rate schedule. This must be done by notifying PG&E in writing. These common-area accounts have an additional opportunity to return to a residential schedule in the event that ECHO directs PG&E to begin a second right-of-return period.

BILLING: A customer's bill is calculated based on the option applicable to the customer.

Bundled Service Customers receive supply and delivery services solely from PG&E. The customer's bill is based on the total rates and conditions in this schedule.

Transitional Bundled Service Customers take transitional bundled service as prescribed in Rules 22.1 and 23, or take bundled service prior to the end of the six (6) month advance notice period required to elect bundled portfolio service as prescribed in Rules 22.1 and 23. These customers shall pay charges for transmission, transmission rate adjustments, reliability services, distribution, nuclear decommissioning, public purpose programs, New System Generation Charges, the DA CRS pursuant to Schedule DA CRS and short-term commodity prices as set forth in Schedule TBCC. (N)

(Continued)

ELECTRIC SCHEDULE B-10 Sheet 7 (N)
MEDIUM GENERAL DEMAND-METERED SERVICE (N)

BILLING: (Cont'd.)

Direct Access (DA) and Community Choice Aggregation (CCA) Customers purchase energy from their non-utility provider and continue receiving delivery services from PG&E. Bills are equal to the sum of charges for transmission, transmission rate adjustments, reliability services, distribution, public purpose programs, nuclear decommissioning, New System Generation Charges, the franchise fee surcharge, and the applicable CRS. The CRS is equal to the sum of the individual charges set forth below. Exemptions to the CRS are set forth in Schedules DA CRS and CCA CRS. (N)

Energy Cost Recovery Amount Charge (per kWh)	($0.00057)
DWR Bond Charge (per kWh)	$0.00503
CTC Charge (per kWh)	$0.00111
Power Charge Indifference Adjustment (per kWh)	
2009 Vintage	$0.02221
2010 Vintage	$0.02567
2011 Vintage	$0.02671
2012 Vintage	$0.02788
2013 Vintage	$0.02808
2014 Vintage	$0.02810
2015 Vintage	$0.02816
2016 Vintage	$0.02804
2017 Vintage	$0.02810
2018 Vintage	$0.02818
2019 Vintage	$0.03019

CARE DISCOUNT:

Facilities which meet the eligibility criteria in Rule 19.2 or 19.3 are eligible for a California Alternate Rates for Energy discount under Schedule E-CARE. CARE customers are exempt from paying the DW Bond Charge. (N)

(Continued)

ELECTRIC SCHEDULE B-10 Sheet 8 (N)
MEDIUM GENERAL DEMAND-METERED SERVICE (N)

STANDBY APPLICABILITY:

SOLAR GENERATION FACILITIES EXEMPTION: Customers who utilize solar generating facilities which are less than or equal to one megawatt to serve load and who do not sell power or make more than incidental export of power into PG&E's power grid and who have not elected service under Schedule NEM, will be exempt from paying the otherwise applicable standby reservation charges. (N)

DISTRIBUTED ENERGY RESOURCES EXEMPTION: Any customer under a time-of-use rate schedule using electric generation technology that meets the criteria as defined in Electric Rule 1 for Distributed Energy Resources is exempt from the otherwise applicable standby reservation charges. Customers qualifying for this exemption shall be subject to the following requirements. Customers qualifying for an exemption from standby charges under Public Utilities (PU) Code Sections 353.1 and 353.3, as described above, must transfer to Schedule E-19, to receive this exemption until a real-time pricing program, as described in PU Code 353.3, is made available. Once available, customers qualifying for the standby charge exemption must participate in the real-time program referred to above. Qualification for and receipt of this distributed energy resources exemption does not exempt the customer from metering charges applicable to time-of-use (TOU) and real-time pricing, or exempt the customer from reasonable interconnection charges, non-bypassable charges as required in Preliminary Statement BB - Competition Transition Charge Responsibility for All Customers and CTC Procurement, or obligations determined by the Commission to result from participation in the purchase of power through the California Department of Water Resources, as provided in PU Code Section 353.7.

DWR BOND CHARGE:

The Department of Water Resources (DWR) Bond Charge was imposed by California Public Utilities Commission Decision 02-10-063, as modified by Decision 02-12-082, and is property of DWR for all purposes under California law. The Bond Charge applies to all retail bundled sales, excluding CARE and Medical Baseline sales. The DWR Bond Charge (where applicable) is included in customers' total billed amounts. (N)

(Continued)

ELECTRIC SCHEDULE B-19 Sheet 1 (N)
MEDIUM GENERAL DEMAND-METERED TOU SERVICE (N)

1. APPLICABILITY: **Initial Assignment:** A customer must take service under Schedule B-19 if: (1) the customer's load does not meet the Schedule B-20 requirements, but, (2) the customer's maximum billing demand (as defined below) has exceeded 499 kilowatts for at least three consecutive months during the most recent 12-month period (referred to as Schedule B-19). If 70 percent or more of the customer's energy use is for agricultural end-uses, the customer will be served under an agricultural schedule. Schedule B-19 is not applicable to customers for whom residential service would apply, except for single-phase and polyphase service in common areas in a multifamily complex (see Common-Area Accounts section). (N)

Decision 18-08-013 adopted new TOU periods for all non-residential customer classes. Schedules A-1, A-6, A-10, E-19 and E-20 will be retained as legacy rate schedules with their current TOU periods until the rates with new TOU periods (Schedules B-1, B-6, B-10, B-19 and B-20) established in the same proceeding, become mandatory in November 2020. Certain qualifying customers with solar systems will be permitted to maintain (i.e., be grandfathered on) their existing legacy TOU rate periods for a certain period of time, per Decision 17-01-006, as described in the Electric Rule 1*, Definitions: Behind-the-Meter Solar TOU Grandfathering and Eligibility Requirements.

These new rates with revised TOU periods adopted in D.18-08-013, including Schedule B-19, will be available to qualifying customers on a voluntary opt-in basis beginning November 1, 2019. Customers eligible for this rate schedule must have an interval data meter that can be read remotely by PG&E. Beginning on November 1, 2020, customers still served on Schedule E-19, with the exception of solar grandfathered customers referenced above, will be transitioned to Schedule B-19. The transition notification and default process are further described in the legacy rate Schedule E-19.

Customer accounts which fail to qualify under these requirements will be evaluated for transfer to service under a different applicable rate schedule.

The provisions of Schedule SB—Standby Service Special Conditions 1 through 6 shall also apply to customers served under this schedule whose premises are regularly supplied in part (but not in whole) by electric energy from a nonutility source of supply. These customers will pay monthly reservation charges as specified under Section 1 of Schedule SB, in addition to all applicable Schedule B-19 charges. Exemptions to standby charges are outlined in the Standby Applicability Section of this rate schedule.

Eligibility for Schedule B-19: This schedule is available on a voluntary basis for customers with maximum billing demands less than 500 kW. Customers voluntarily taking service on this schedule are subject to all the terms and conditions below, unless otherwise specified in Section 13. If a customer's maximum demand has failed to exceed 499 kilowatts for 12 consecutive months, PG&E will transfer that customer's account to voluntary B-19 service or to a different applicable rate schedule.

Assignment of New Customers: If a customer is new and PG&E believes that the customer's maximum demand will be 500 through 999 kilowatts and that the customer should not be served under a time of use agricultural schedule, PG&E will serve the customer's account under Mandatory Schedule B-19.

* The rules referred to in this schedule are part of PG&E's electric tariffs. Copies are available at PG&E's local offices and on the website at http://www.pge.com/tariffs. (N)

(Continued)

ELECTRIC SCHEDULE B-19 Sheet 2 (N)
MEDIUM GENERAL DEMAND-METERED TOU SERVICE (N)

1. APPLICABILITY: (Cont'd.)

Definition of Maximum Demand: Demand will be averaged over 15-minute intervals for customers whose maximum demand exceeds 499 kW. "Maximum demand" will be the highest of all the 15-minute averages for the billing month. If the customer's use of electricity is intermittent or subject to severe fluctuations, a 5-minute interval may be used. If the customer has any welding machines, the diversified resistance welder load, calculated in accordance with Section J of Rule 2, will be considered the maximum demand if it exceeds the maximum demand that results from averaging the demand over 15-minute intervals. The customer's maximum-peak-period demand will be the highest of all the 15-minute averages for the peak period during the billing month. (See Section 6 for a definition of "Peak-Period.") See Section 13 for the definition of maximum demand for customers voluntarily selecting B-19. (N)

Option R for Solar: The Option R rate is available to qualifying customers taking Bundled, Direct Access (DA) or Community Choice Aggregation (CCA) service under Schedule B-19, or voluntary B-19. Eligible customers must have PV systems that provide 15% or more of their annual electricity usage. For additional Option R details and program specifics, see Sections 3 and 18.

Option S for Storage: The Option S rate for storage is available to qualifying customers taking Bundled, DA or CCA service under Schedule B-19 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. Option S is available subject to an enrollment cap. For additional Option S details and program specifics see Sections 3 and 20.

Standby Demand: For customers served under this rate schedule and for whom Schedule SB—Standby Service Special Conditions 1 through 6 apply, standby demand is the portion of a customer's maximum demand in any month caused by nonoperation of the customer's alternate source of power, and for which a demand charge is paid under the regular service schedule.

If the customer imposes standby demand in any month, then the regular service maximum demand charge will be reduced by the applicable reservation capacity charge (see Schedule SB Special Condition 1).

To qualify for the above reduction in the maximum demand charge, the customer must, within 30 days of the regular meter-read date, demonstrate to the satisfaction of PG&E the amount of standby demand in any month. This may be done by submitting to PG&E a completed Electric Standby Service Log Sheet (Form 79-726).

2. TERRITORY: This rate schedule applies everywhere PG&E provides electricity service. (N)

(Continued)

ELECTRIC SCHEDULE B-19 Sheet 3 (N)
MEDIUM GENERAL DEMAND-METERED TOU SERVICE (N)

3. RATES: Total bundled service charges are calculated using the total rates shown below. DA and CCA charges shall be calculated in accordance with the paragraph in this rate schedule titled Billing. (N)

BUNDLED TOTAL RATES

	Secondary Voltage	Primary Voltage	Transmission Voltage
Total Customer Charge Rates			
Customer Charge Mandatory B-19 ($ per meter per day)	$23.65503	$36.13963	$45.99589
Customer Charge with SmartMeter™ ($ per meter per day)	$4.59959	$4.59959	$4.59959
Total Demand Rates ($ per kW**)**			
Maximum Peak Demand Summer	$24.94	$22.08	$9.66
Maximum Part-Peak Demand Summer	$5.05	$4.52	$2.42
Maximum Demand Summer	$19.55	$16.09	$10.90
Maximum Peak Demand Winter	$1.78	$1.31	$0.93
Maximum Demand Winter	$19.55	$16.09	$10.90
Total Energy Rates ($ per kWh)			
Peak Summer	$0.16196	$0.14461	$0.13040
Part-Peak Summer	$0.13201	$0.12200	$0.12126
Off-Peak Summer	$0.11082	$0.10235	$0.10180
Peak Winter	$0.14294	$0.13235	$0.13162
Off-Peak Winter	$0.11074	$0.10248	$0.10206
Super Off-Peak Winter	$0.06754	$0.05996	$0.05857
Power Factor Adjustment Rate ($/kWh/%)	$0.00005	$0.00005	$0.00005 (N)

(Continued)

ELECTRIC SCHEDULE B-19 Sheet 4 (N)
MEDIUM GENERAL DEMAND-METERED TOU SERVICE (N)

3. Rates: (N)
(Cont'd.)

Total bundled service charges shown on customers' bills are unbundled according to the component rates shown below.

UNBUNDLING OF TOTAL RATES

Customer Charge Rates: Customer charge rates provided in the Total Rates section above are assigned entirely to the unbundled distribution component.

Demand Rates by Components ($ per kW)	Secondary Voltage	Primary Voltage	Transmission Voltage
Generation:			
Maximum Peak Demand Summer	$15.01	$12.75	$9.66
Maximum Part-Peak Demand Summer	$2.18	$1.86	$2.42
Maximum Peak-Demand Winter	$1.78	$1.31	$0.93
Distribution:**			
Maximum Peak Demand Summer	$9.93	$9.33	$0.00
Maximum Part-Peak Demand Summer	$2.87	$2.66	$0.00
Maximum Demand Summer	$11.46	$8.00	$2.81
Maximum Peak Demand Winter	$0.00	$0.00	$0.00
Maximum Demand Winter	$11.46	$8.00	$2.81
Transmission Maximum Demand*	$7.89	$7.89	$7.89
Reliability Services Maximum Demand*	$0.20	$0.20	$0.20 (N)

(N)
* Transmission, Transmission Rate Adjustments, and Reliability Service charges are combined for presentation on customer bills.
** Distribution and New System Generation Charges are combined for presentation on customer bills. (N)

(Continued)

ELECTRIC SCHEDULE B-19 Sheet 5
MEDIUM GENERAL DEMAND-METERED TOU SERVICE

3. Rates: (N)
(Cont'd.)

Total bundled service charges shown on customers' bills are unbundled according to the component rates shown below.

UNBUNDLING OF TOTAL RATES (Cont'd.)

Customer Charge Rates: Customer charge rates provided in the Total Rates section above are assigned entirely to the unbundled distribution component.

Energy Charges by Components ($ per kWh)	Secondary Voltage	Primary Voltage	Transmission Voltage
Generation:			
Peak Summer	$0.13955	$0.12290	$0.10869
Part-Peak Summer	$0.10960	$0.10029	$0.09955
Off-Peak Summer	$0.08841	$0.08064	$0.08009
Peak Winter	$0.12053	$0.11064	$0.10991
Off-Peak Winter	$0.08833	$0.08077	$0.08035
Super Off-Peak Winter	$0.04513	$0.03825	$0.03686
Transmission Rate Adjustments* (all usage)	$0.00327	$0.00327	$0.00327
Public Purpose Programs (all usage)	$0.01129	$0.01059	$0.01059
Nuclear Decommissioning (all usage)	$0.00088	$0.00088	$0.00088
Competition Transition Charge (all usage)	$0.00104	$0.00104	$0.00104
Energy Cost Recovery Amount (all usage)	($0.00057)	($0.00057)	($0.00057)
DWR Bond (all usage)	$0.00503	$0.00503	$0.00503
New System Generation Charge (all usage)**	$0.00147	$0.00147	$0.00147
California Climate Credit (all usage – B-19V only)***	$0.00000	$0.00000	$0.00000

* Transmission, Transmission Rate Adjustments, and Reliability Service charges are combined for presentation on customer bills.
** Distribution and New System Generation Charges are combined for presentation on customer bills.
*** Only customers that qualify as Small Businesses – California Climate Credit under Rule 1 are eligible for the California Climate Credit. (N)

(Continued)

ELECTRIC SCHEDULE B-19 Sheet 6 (N)
MEDIUM GENERAL DEMAND-METERED TOU SERVICE (N)

3. Rates: (N)
(Cont'd.)

Total bundled service charges are calculated using the total rates shown below. DA and CCA charges shall be calculated in accordance with the paragraph in this rate schedule titled Billing.

TOTAL RATES FOR OPTION R
(for qualifying solar customers as set forth in Section 18)

Total Customer Charge Rates	Secondary Voltage	Primary Voltage	Transmission Voltage	
Customer Charge Mandatory B-19 ($ per meter per day)	$23.65503	$36.13963	$45.99589	
Customer Charge Voluntary B-19:	$4.59959	$4.59959	$4.59959	
Total Demand Rates ($ per kW)				
Maximum Peak Demand Summer	$2.48	$2.33	$0.00	
Maximum Part-Peak Demand Summer	$0.72	$0.67	$0.00	
Maximum Demand Summer	$19.55	$16.09	$10.90	
Maximum Peak Demand Winter	$0.00	$0.00	$0.00	
Maximum Demand Winter	$19.55	$16.09	$10.90	
Total Energy Rates ($ per kWh)				
Peak Summer	$0.36123	$0.34083	$0.22932	
Part-Peak Summer	$0.17739	$0.16609	$0.14782	
Off-Peak Summer	$0.11693	$0.10903	$0.10567	
Peak Winter	$0.15714	$0.14343	$0.13956	
Off-Peak Winter	$0.11483	$0.10577	$0.10588	
Super Off-Peak Winter	$0.07901	$0.06995	$0.07006	
Power Factor Adjustment Rate ($/kWh/%)	$0.00005	$0.00005	$0.00005	(N)

(Continued)

ELECTRIC SCHEDULE B-19 Sheet 7 (N)
MEDIUM GENERAL DEMAND-METERED TOU SERVICE (N)

3. Rates: (N)
(Cont'd.)

Total bundled service charges shown on customers' bills are unbundled according to the component rates shown below.

UNBUNDLING OF TOTAL RATES FOR OPTION R
(for qualifying solar customers as set forth in Section 18)

Customer Charge Rates: Customer charge rates provided in the Total Rates section above are assigned entirely to the unbundled distribution component.

Demand Rates by Components ($ per kW)	Secondary Voltage	Primary Voltage	Transmission Voltage
Distribution:**			
Maximum Peak Demand Summer	$2.48	$2.33	$0.00
Maximum Part-Peak Demand Summer	$0.72	$0.67	$0.00
Maximum Demand Summer	$11.46	$8.00	$2.81
Maximum Peak Demand Winter	$0.00	$0.00	$0.00
Maximum Demand Winter	$11.46	$8.00	$2.81
Transmission Maximum Demand*	$7.89	$7.89	$7.89
Reliability Services Maximum Demand*	$0.20	$0.20	$0.20

* Transmission, Transmission Rate Adjustments, and Reliability Service charges are combined for presentation on customer bills.
** Distribution and New System Generation Charges are combined for presentation on customer bills. (N)

(Continued)

ELECTRIC SCHEDULE B-19 Sheet 8 (N)
MEDIUM GENERAL DEMAND-METERED TOU SERVICE (N)

3. Rates: (N)
(Cont'd.)

Total bundled service charges shown on customers' bills are unbundled according to the component rates shown below.

UNBUNDLING OF TOTAL RATES FOR OPTION R (Cont'd.)
(for qualifying solar customers as set forth in Section 18)

Customer Charge Rates: Customer charge rates provided in the Total Rates section above are assigned entirely to the unbundled distribution component.

Energy Charges by Components ($ per kWh)	Secondary Voltage	Primary Voltage	Transmission Voltage
Generation:			
Peak Summer	$0.26656	$0.24289	$0.20761
Part-Peak Summer	$0.13099	$0.11935	$0.12611
Off-Peak Summer	$0.09249	$0.08395	$0.08396
Peak Winter	$0.13473	$0.12172	$0.11785
Off-Peak Winter	$0.09242	$0.08406	$0.08417
Super Off-Peak Winter	$0.05660	$0.04824	$0.04835
Distribution:**			
Peak Summer	$0.07226	$0.07623	$0.00000
Part-Peak Summer	$0.02399	$0.02503	$0.00000
Off-Peak Summer	$0.00203	$0.00337	$0.00000
Peak Winter	$0.00000	$0.00000	$0.00000
Off-Peak Winter	$0.00000	$0.00000	$0.00000
Super Off-Peak Winter	$0.00000	$0.00000	$0.00000
Transmission Rate Adjustments* (all usage)	$0.00327	$0.00327	$0.00327
Public Purpose Programs (all usage)	$0.01129	$0.01059	$0.01059
Nuclear Decommissioning (all usage)	$0.00088	$0.00088	$0.00088
Competition Transition Charge (all usage)	$0.00104	$0.00104	$0.00104
Energy Cost Recovery Amount (all usage)	($0.00057)	($0.00057)	($0.00057)
DWR Bond (all usage)	$0.00503	$0.00503	$0.00503
New System Generation Charge (all usage)**	$0.00147	$0.00147	$0.00147
California Climate Credit (all usage – B-19V only)***	$0.00000	$0.00000	$0.00000

* Transmission, Transmission Rate Adjustments, and Reliability Service charges are combined for presentation on customer bills.
** Distribution and New System Generation Charges are combined for presentation on customer bills.
*** Only customers that qualify as Small Businesses – California Climate Credit under Rule 1 are eligible for the California Climate Credit. (N)

(Continued)

ELECTRIC SCHEDULE B-19 Sheet 9 (N)
MEDIUM GENERAL DEMAND-METERED TOU SERVICE (N)

3. Rates: (N)
(Cont'd.)

Total bundled service charges are calculated using the total rates shown below. DA and CCA charges shall be calculated in accordance with the paragraph in this rate schedule titled Billing.

TOTAL RATES FOR OPTION S
(for qualifying storage customers as set forth in Section 20)

Total Customer Charge Rates	Secondary Voltage	Primary Voltage	Transmission Voltage
Customer Charge Mandatory B-19 ($ per meter per day)	$23.65503	$36.13963	$45.99589
Customer Charge Voluntary B-19:	$4.59959	$4.59959	$4.59959
Total Demand Rates ($ per kW)			
Maximum Peak Demand Summer (per day)	$0.49	$0.42	$0.13
Maximum Part-Peak Demand Summer (per day)	$0.03	$0.03	$0.00
Maximum Demand Summer (per monthly billing, all hours except 9 am to 2 pm)	$2.32	$1.63	$0.58
Maximum Demand Summer (per monthly billing)	$8.09	$8.09	$8.09
Maximum Peak Demand Winter (per day)	$0.42	$0.32	$0.13
Maximum Demand Winter (per monthly billing, all hours except 9 am to 2 pm)	$2.32	$1.63	$0.58
Maximum Demand Winter (per monthly billing)	$8.09	$8.09	$8.09
Total Energy Rates ($ per kWh)			
Peak Summer	$0.36123	$0.34083	$0.22932
Part-Peak Summer	$0.17739	$0.16609	$0.14782
Off-Peak Summer	$0.11693	$0.10903	$0.10567
Peak Winter	$0.15714	$0.14343	$0.13956
Off-Peak Winter	$0.11483	$0.10577	$0.10588
Super Off-Peak Winter	$0.07901	$0.06995	$0.07006
Power Factor Adjustment Rate ($/kWh/%)	$0.00005	$0.00005	$0.00005 (N)

(Continued)

ELECTRIC SCHEDULE B-19 Sheet 10 (N)
MEDIUM GENERAL DEMAND-METERED TOU SERVICE (N)

3. Rates: (N)
(Cont'd.)

Total bundled service charges shown on customers' bills are unbundled according to the component rates shown below.

UNBUNDLING OF TOTAL RATES FOR OPTION S
(for qualifying storage customers as set forth in Section 20)

Customer Charge Rates: Customer charge rates provided in the Total Rates section above are assigned entirely to the unbundled distribution component.

Demand Rates by Components ($ per kW)	Secondary Voltage	Primary Voltage	Transmission Voltage
Distribution:**			
Maximum Peak Demand Summer (per day)	$0.49	$0.42	$0.13
Maximum Part-Peak Demand Summer (per day)	$0.03	$0.03	$0.00
Maximum Demand Summer (per monthly billing, all hours except 9 am to 2 pm)	$2.32	$1.63	$0.58
Maximum Demand Summer (per monthly billing)	$0.00	$0.00	$0.00
Maximum Peak Demand Winter (per day)	$0.42	$0.32	$0.13
Maximum Demand Winter (per monthly billing, all hours except 9 am to 2 pm)	$2.32	$1.63	$0.58
Maximum Demand Winter (per monthly billing)	$0.00	$0.00	$0.00
Transmission Maximum Demand*	$7.89	$7.89	$7.89
Reliability Services Maximum Demand*	$0.20	$0.20	$0.20 (N)

(Continued)

ELECTRIC SCHEDULE B-19 Sheet 11 (N)
MEDIUM GENERAL DEMAND-METERED TOU SERVICE (N)

3. Rates: (N)
(Cont'd.)

Total bundled service charges shown on customers' bills are unbundled according to the component rates shown below.

UNBUNDLING OF TOTAL RATES FOR OPTION S (Cont'd.)
(for qualifying storage customers as set forth in Section 20)

Customer Charge Rates: Customer charge rates provided in the Total Rates section above are assigned entirely to the unbundled distribution component.

Energy Charges by Components ($ per kWh)	Secondary Voltage	Primary Voltage	Transmission Voltage
Generation:			
Peak Summer	$0.26656	$0.24289	$0.20761
Part-Peak Summer	$0.13099	$0.11935	$0.12611
Off-Peak Summer	$0.09249	$0.08395	$0.08396
Peak Winter	$0.13473	$0.12172	$0.11785
Off-Peak Winter	$0.09242	$0.08406	$0.08417
Super Off-Peak Winter	$0.05660	$0.04824	$0.04835
Distribution:**			
Peak Summer	$0.07226	$0.07623	$0.00000
Part-Peak Summer	$0.02399	$0.02503	$0.00000
Off-Peak Summer	$0.00203	$0.00337	$0.00000
Peak Winter	$0.00000	$0.00000	$0.00000
Off-Peak Winter	$0.00000	$0.00000	$0.00000
Super Off-Peak Winter	$0.00000	$0.00000	$0.00000
Transmission Rate Adjustments* (all usage)	$0.00327	$0.00327	$0.00327
Public Purpose Programs (all usage)	$0.01129	$0.01059	$0.01059
Nuclear Decommissioning (all usage)	$0.00088	$0.00088	$0.00088
Competition Transition Charge (all usage)	$0.00104	$0.00104	$0.00104
Energy Cost Recovery Amount (all usage)	($0.00057)	($0.00057)	($0.00057)
DWR Bond (all usage)	$0.00503	$0.00503	$0.00503
New System Generation Charge (all usage)**	$0.00147	$0.00147	$0.00147
California Climate Credit (all usage – B-19V only)***	$0.00000	$0.00000	$0.00000

* Transmission, Transmission Rate Adjustments, and Reliability Service charges are combined for presentation on customer bills.
** Distribution and New System Generation Charges are combined for presentation on customer bills.
*** Only customers that qualify as Small Businesses – California Climate Credit under Rule 1 are eligible for the California Climate Credit. (N)

(Continued)

ELECTRIC SCHEDULE B-19 Sheet 12 (N)
MEDIUM GENERAL DEMAND-METERED TOU SERVICE (N)

3. Rates: (Cont'd.)

a. TYPES OF CHARGES: The customer's monthly charge for service under Schedule B-19 is the sum of a customer charge, demand charges, and energy charges: (N)

– The **customer charge** is a flat monthly fee.

– This schedule has three **demand charges,** a maximum-peak-period-demand charge, a maximum part-peak-period and a maximum-demand charge. The maximum-peak-period-demand charge per kilowatt applies to the maximum demand during the month's peak hours, the maximum part-peak-period demand charge per kilowatt applies to the maximum demand during the month's part-peak hours, and the maximum demand charge per kilowatt applies to the maximum demand at any time during the month. The bill will include <u>all</u> of these demand charges. Option S includes variations of these basic demand charge types assessed on a (1) daily basis by time period and (2) maximum monthly basis applied to all hours except 9 am to 2 pm. (Time periods are defined in Section 6.)

– The **energy charge** is the sum of the energy charges from the peak, partial-peak, and off-peak periods. The customer pays for energy by the kilowatt-hour (kWh), and rates are differentiated according to time of day and time of year.

– The monthly charges may be increased or decreased based upon the power factor. (See Section 7.)

– As shown on the rate chart, which set of customer, demand, and energy charges is paid depends on the level of the customers maximum demand and the voltage at which service is taken. Service voltages are defined in Section 5 below.

4. METERING REQUIRE-MENTS:

An interval data meter that measures and registers the amount of electricity a customer uses and can be read remotely by PG&E is required for all customers on this schedule.

For customers taking service under the provisions of Direct Access, see Electric Rule 22 for metering requirements. (N)

(Continued)

ELECTRIC SCHEDULE B-19 Sheet 13 (N)
MEDIUM GENERAL DEMAND-METERED TOU SERVICE (N)

5. DEFINITION OF SERVICE VOLTAGE: The following defines the three voltage classes of Schedule B-19 rates. Standard Service Voltages are listed in Rule 2, Section B.1. (N)

a. Secondary: This is the voltage class if the service voltage is less than 2,400 volts or if the definitions of "primary" and "transmission" do not apply to the service.

b. Primary: This is the voltage class if the customer is served from a "single customer substation" or without transformation from PG&E's serving distribution system at one of the standard primary voltages specified in PG&E's Electric Rule 2, Section B.1.

c. Transmission: This is the voltage class if the customer is served without transformation from PG&E's serving transmission system at one of the standard transmission voltages specified in PG&E's Rule 2, Section B.1.

6. DEFINITION OF TIME PERIODS: Times of the year and times of the day are defined as follows:

SUMMER (Service from June 1 through September 30):

Peak:	4:00 p.m. to 9:00 p.m.	Every day, including weekends and holidays
Partial-peak:	2:00 p.m. to 4:00 pm AND 9:00 p.m. to 11:00 p.m.	Every day, including weekends and holidays
Off-peak:	All other Hours.	

WINTER (Service from October 1 through May 31):

Peak:	4:00 p.m. to 9:00 p.m.	Every day, including weekends and holidays
Super Off-Peak	9:00 a.m. to 2:00 p.m.	Every day in March, April and May only
Off-peak:	All other Hours.	

CHANGE FROM SUMMER TO WINTER OR WINTER TO SUMMER: When a billing month includes both summer and winter days, PG&E will calculate demand charges as follows. It will consider the applicable maximum demands for the summer and winter portions of the billing month separately, calculate a demand charge for each, and then apply the two according to the number of billing days each represents. (N)

(Continued)

ELECTRIC SCHEDULE B-19 Sheet 14 (N)
MEDIUM GENERAL DEMAND-METERED TOU SERVICE (N)

7. POWER FACTOR ADJUST-MENTS: Bills will be adjusted based on the power factor for all customers except those selecting voluntary B-19 service. The power factor is computed from a trigonometric function of the ratio of lagging reactive kilovolt-ampere-hours to the kilowatt-hours consumed in the month. Power factors are rounded to the nearest whole percent. (N)

The rates in this rate schedule are based on a power factor of 85 percent. If the average power factor is greater than 85 percent, the total monthly bill will be reduced by the product of the power factor rate and the kilowatt-hour usage for each percentage point above 85 percent. If the average power factor is below 85 percent, the total monthly bill will be increased by the product of the power factor rate and the kilowatt-hour usage for each percentage point below 85 percent.

Power factor adjustments will be assigned to distribution for billing purposes.

8. CHARGES FOR TRANS-FORMER AND LINE LOSSES: The demand and energy meter readings used in determining the charges will be adjusted to correct for transformation and line losses in accordance with Section B.4 of Rule 2.

9. STANDARD SERVICE FACILITIES: If PG&E must install any new or additional facilities to provide the customer with service under this schedule the customer may have to pay some of the cost. Any advance necessary and any monthly charge for the facilities will be specified in a line extension agreement. See Rules 2, 15, and 16 for details. This section does not apply to customers voluntarily taking service under Schedule B-19.

Facilities installed to serve the customer may be removed when service is discontinued. The customer will then have to repay PG&E for all or some of its investment in the facilities. Terms and conditions for repayment will be set forth in the line extension agreement.

10. SPECIAL FACILITIES: PG&E will normally install only those standard facilities it deems necessary to provide service under this schedule. If the customer requests any additional facilities, those facilities will be treated as “special facilities” in accordance with Section I of Rule 2. (N)

(Continued)

ELECTRIC SCHEDULE B-19 Sheet 15 (N)
MEDIUM GENERAL DEMAND-METERED TOU SERVICE (N)

11. COMMON-AREA ACCOUNTS: Common-area accounts are those accounts that provide electric service to Common Use Areas as defined in Rule 1. Common-area accounts that are separately metered by PG&E and which took electric service from PG&E on or prior to January 16, 2003, had a one-time opportunity to return to a residential rate schedule from April 1, 2004 to May 31, 2004, by notifying PG&E in writing. These accounts remain eligible for service under this rate schedule if the customer did not invoke this first right of return. (N)

In the event that the CPUC substantially amends any or all of PG&E's commercial or residential rate schedules, the Executive Council of Homeowners (ECHO) can direct PG&E to begin an optional second right-of-return period lasting 105 days.

Newly constructed common-areas that are separately metered by PG&E and which first took electric service from PG&E after January 16, 2003, have a one-time opportunity to transfer to a residential rate schedule during a two-month window that begins 14 months after taking service on a commercial rate schedule. This must be done by notifying PG&E in writing. These common-area accounts have an additional opportunity to return to a residential schedule in the event that ECHO directs PG&E to begin a second right-of-return period.

12. VOLUNTARY SERVICE PROVISIONS: Customers voluntarily taking service on Schedule B-19 (see Applicability Section) shall be governed by all the terms and conditions shown in Sections 1 through 12, unless different terms and conditions are shown below.

a. DEFINITION OF MAXIMUM DEMAND: Demand will be averaged over 15-minute intervals except, in special cases. "Maximum demand" will be the highest of all 15-minute averages for the billing month.

SPECIAL CASES: (1) If the customer's use of energy is intermittent or subject to severe fluctuations, a 5-minute interval may be used; and (2) If the customer uses welders, the demand charge will be subject to the minimum demand charges for those welders' ratings, as explained in Section J of Rule 2.

b. REDUCED CUSTOMER CHARGE: The reduced customer charge will be assessed only if the customer is taking service under this schedule on a voluntary basis or if the customer's maximum billing demand has not exceeded 499 kW for 12 or more consecutive months.

c. SERVICE CONTRACTS: This rate schedule will remain in effect for at least twelve consecutive months before another schedule change is made, unless the customer's maximum demand has exceeded 499 kW for three consecutive months. (N)

(Continued)

ELECTRIC SCHEDULE B-19 Sheet 16 (N)
MEDIUM GENERAL DEMAND-METERED TOU SERVICE (N)

13. BILLING: A customer's bill is calculated based on the option applicable to the customer. (N)

Bundled Service Customers receive supply and delivery services solely from PG&E. The customer's bill is based on the Total Rates and Conditions set forth in this schedule.

Transitional Bundled Service Customers take transitional bundled service as prescribed in Rules 22.1 and 23.1, or take bundled service prior to the end of the six (6) month advance notice period required to elect bundled portfolio service as prescribed in Rules 22.1 and 23.1. These customers shall pay charges for transmission, transmission rate adjustments, reliability services, distribution, nuclear decommissioning, public purpose programs, New System Generation Charges, the applicable Cost Responsibility Surcharge (CRS) pursuant to Schedule DA CRS or Schedule CCA CRS, and short-term commodity prices as set forth in Schedule TBCC.

Direct Access (DA) and Community Choice Aggregation (CCA) Customers purchase energy from their non-utility provider and continue receiving delivery services from PG&E. Bills are equal to the sum of charges for transmission, transmission rate adjustments, reliability services, distribution, public purpose programs, nuclear decommissioning, New System Generation Charges, the franchise fee surcharge, and the applicable CRS. The CRS is equal to the sum of the individual charges set forth below. Exemptions to the CRS are set forth in Schedules DA CRS and CCA CRS.

	DA / CCA CRS
Energy Cost Recovery Amount Charge (per kWh)	($0.00057)
DWR Bond Charge (per kWh)	$0.00503
CTC Charge (per kWh)	$0.00104
Power Charge Indifference Adjustment (per kWh)	
2009 Vintage	$0.02105
2010 Vintage	$0.02429
2011 Vintage	$0.02525
2012 Vintage	$0.02633
2013 Vintage	$0.02652
2014 Vintage	$0.02654
2015 Vintage	$0.02659
2016 Vintage	$0.02647
2017 Vintage	$0.02653
2018 Vintage	$0.02660
2019 Vintage	$0.02830

14. CARE DISCOUNT FOR NONPROFIT GROUP-LIVING AND SPECIAL EMPLOYEE HOUSING FACILITIES: Facilities which meet the eligibility criteria in Rule 19.2 or 19.3 are eligible for a California Alternate Rates for Energy discount under Schedule E-CARE. CARE customers are exempt from paying the DWR Bond Charge rate component. For CARE customers, no portion of the rates shall be used to pay the DWR bond charge. (N)

(Continued)

ELECTRIC SCHEDULE B-19 Sheet 17 (N)
MEDIUM GENERAL DEMAND-METERED TOU SERVICE (N)

15. ELECTRIC EMERGENCY PLAN ROTATING BLOCK OUTAGES — See Electric Rule 14. (N)

16. STANDBY APPLICA-BILITY: SOLAR GENERATION FACILITIES EXEMPTION: Customers who utilize solar generating facilities which are less than or equal to one megawatt to serve load and who do not sell power or make more than incidental export of power into PG&E's power grid and who have not elected service under Schedule NEM, will be exempt from paying the otherwise applicable standby reservation charges.

    DISTRIBUTED ENERGY RESOURCES EXEMPTION: Any customer under a time-of-use (TOU) rate schedule using electric generation technology that meets the criteria as defined in Electric Rule 1 for Distributed Energy Resources is exempt from the otherwise applicable standby reservation charges. Customers qualifying for this exemption shall be subject to the following requirements. Customers qualifying for an exemption from standby charges under Public Utilities (PU) Code Sections 353.1 and 353.3, as described above, must take service on a TOU schedule in order to receive this exemption until a real-time pricing program, as described in PU Code 353.3, is made available. Once available, customers qualifying for the standby charge exemption must participate in the real-time program referred to above. Qualification for and receipt of this distributed energy resources exemption does not exempt the customer from metering charges applicable to TOU and real-time pricing, or exempt the customer from reasonable interconnection charges, non-bypassable charges as required in Preliminary Statement BB - *Competition Transition Charge Responsibility for All Customers and CTC Procurement*, or obligations determined by the Commission to result from participation in the purchase of power through the California Department of Water Resources, as provided in PU Code Section 353.7.

17. DWR BOND CHARGE: The Department of Water Resources (DWR) Bond Charge was imposed by California Public Utilities Commission Decision 02-10-063, as modified by Decision 02-12-082, and is property of DWR for all purposes under California law. The Bond Charge applies to all retail sales, excluding CARE and Medical Baseline sales. The DWR Bond Charge (where applicable) is included in customers' total billed amounts. (N)

(Continued)

ELECTRIC SCHEDULE B-19 Sheet 18 (N)
MEDIUM GENERAL DEMAND-METERED TOU SERVICE (N)

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. (N)

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:
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
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%

(N)

(Continued)

ELECTRIC SCHEDULE B-19 Sheet 19 (N)
MEDIUM GENERAL DEMAND-METERED TOU SERVICE (N)

19. OPTIMAL BILLING PERIOD SERVICE: The Optimal Billing Period (OBP) service is a voluntary program available to bundled, direct access and community choice aggregation customers taking service on Schedule B-19 or Schedule B-20. To qualify, a meter must have registered a demand of 500 kW or greater at least once during the most recent 12 months. The OBP service is limited to 50 service accounts with interval billed meters. (N)

Customers electing this service must complete the "Optimal Billing Period Service Election Form" (Form 79-1111).

Decision 18-08-013 expanded the eligibility of OBP to Schedule B-19 (above 500 kW as defined above), Schedule B-20, and to direct access and community choice aggregation customers taking service on eligible schedules. Decision 18-08-013 retained the participation cap of 50 positions, and reserved 36 positions for agricultural accounts, and 14 positions for commercial and industrial accounts. Before declining participation of any otherwise eligible account based on these participation limits, PG&E will verify that all other enrolled accounts are still eligible for the program.

Customers on net energy metering Schedules VNEM, NEMBIO, NEMFC, NEMCCSF, NEMA or RES-BCT are not eligible for OBP service.

The OBP service allows a billing cycle(s) to coincide with the customer's high seasonal production cycle. The customer designates the OBP by selecting one or both of the following:

a) a specific month and day for the start of the OBP; and/or

b) a specific month and day for the end of the OBP.

PG&E will use the customer's usage from the preceding twelve (12) billing months to determine eligibility for the OBP service. To qualify, the average of the previous high season monthly maximum demand must be at least double the average of the low season monthly maximum demand. The customer must also specify which six consecutive months will be their high season optimal billing period.

The start and end dates must fall within the customer's high seasonal production cycle. In no event shall any revised billing period exceed forty-five (45) days or be less than fifteen (15) days. To qualify for this option, the customer must designate an OBP of not more than six (6) months in duration.

To designate the specific date for the start or end of the OBP, a participating customer must email PG&E at least seventy-two (72) hours in advance and such email shall state in its subject line "OBP Notification." The designation may not be implemented if it is not received or if it does not contain the specified information. (N)

(Continued)

ELECTRIC SCHEDULE B-19 Sheet 20 (N)
MEDIUM GENERAL DEMAND-METERED TOU SERVICE (N)

19. OPTIMAL BILLING PERIOD SERVICE: (Cont'd.)

Prior to receiving OBP service, the customer must pay an annual OBP fee of $160.00 per meter. In order to retain the OBP service option in each subsequent year, the annual participation fee must be received by PG&E by the anniversary date of the contract. PG&E will bill the annual OBP fee upon the anniversary date of the contract unless the customer terminates the contract. For billing purposes, the annual participation fee shall be assigned to Distribution. (N)

A. No Retroactive Application

No customer shall be entitled to a refund associated with the OBP service for costs that might have been avoided had the service been available at an earlier point in time.

B. Customer Notification to PG&E

A customer must have at least 12 months of usage on a specific meter before the OBP service can be received on that particular meter. Also, a customer must provide notice to PG&E of their intention to obtain OBP service at least ninety (90) days before the start of the program. (N)

(Continued)

ELECTRIC SCHEDULE B-19 Sheet 21
MEDIUM GENERAL DEMAND-METERED TOU SERVICE

20. OPTION S

The Option S rate for storage is available to qualifying customers taking Bundled, DA or CCA service under Schedule B-19 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. (N)

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 B19 Service Agreement at a new location will not be on Option S on day 1 of their new SA activation.

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. (N)

(Continued)

ELECTRIC SCHEDULE B-20 Sheet 1 (N)
SERVICE TO CUSTOMERS WITH MAXIMUM (N)
DEMANDS of 1000 KILOWATTS or MORE (N)

1. APPLICABILITY: **Initial Assignment:** A customer is eligible for service under Schedule B-20 if the customer's maximum demand (as defined below) has exceeded 999 kilowatts for at least three consecutive months during the most recent 12-month period. If 70 percent or more of the customer's energy use is for agricultural end-uses, the customer will be served under an agricultural schedule. (N)

Customer accounts which fail to qualify under these requirements will be evaluated for transfer to service under a different applicable rate schedule.

Decision 18-08-013 adopted new TOU periods for all non-residential customer classes. Schedules A-1, A-6, A-10, E-19 and E-20 will be retained as legacy rate schedules with their current TOU periods until the rates with new TOU periods (Schedules B-1, B-6, B-10, B-19 and B-20) established in the same proceeding, become mandatory in November 2020. Certain qualifying customers with solar systems will be permitted to maintain (i.e., be grandfathered on) their existing legacy TOU rate periods for a certain period of time, per Decision 17-01-006, as described in the Electric Rule 1, Definitions: Behind-the-Meter Solar TOU Grandfathering and Eligibility Requirements.

These new rates with revised TOU periods, including Schedule B-20, will be available to qualifying customers on a voluntary opt-in basis beginning November 1, 2019. Customers eligible for this rate schedule must have an interval data meter that can be read remotely by PG&E. Beginning on November 1, 2020, customers still served on Schedule E-20, with the exception of solar grandfathered customers referenced above, will be transitioned to Schedule B-20. The transition notification and default process are further described in the legacy rate Schedule E-20.

The provisions of Schedule SB—Standby Service Special Conditions 1 through 6 shall also apply to customers served under this schedule whose premises are regularly supplied in part (but not in whole) by electric energy from a nonutility source of supply. These customers will pay monthly reservation charges as specified under Section 1 of Schedule S, in addition to all applicable Schedule B-20 charges. Exemptions to standby charges are outlined in the Standby Applicability Section of this rate schedule.

Transfers Off of Schedule B-20: PG&E will review its Schedule E-20 accounts annually. A customer will be eligible for continued service on Schedule B-20 if its maximum demand has either: (1) Exceeded 999 kilowatts for at least 5 of the previous 12 billing months; or (2) Exceeded 999 kilowatts for any 3 consecutive billing months of the previous 14 billing months. If a customer's demand history fails both of these tests, PG&E will transfer that customer's account to service under a different applicable rate schedule.

Assignment of New Customers: If a customer is new and PG&E believes that the customer's maximum demand will exceed 999 kilowatts and that the customer should not be served under a time-of-use agricultural schedule, PG&E will serve the customer's account under Schedule B-20. (N)

(Continued)

ELECTRIC SCHEDULE B-20 Sheet 2 (N)
SERVICE TO CUSTOMERS WITH MAXIMUM (N)
DEMANDS of 1000 KILOWATTS or MORE (N)

1. APPLICABILITY: (Cont'd.)

Definition of Maximum Demand: Demand will be averaged over 15-minute intervals. "Maximum demand" will be the highest of all the 15-minute averages for the billing month. If the customer's use of electricity is intermittent or subject to severe fluctuations, a 5-minute interval may be used. If the customer has any welding machines, the diversified resistance welder load, calculated in accordance with Section J of Rule 2, will be considered the maximum demand if it exceeds the maximum demand that results from averaging the demand over 15-minute intervals. The customer's maximum-peak-period demand will be the highest of all the 15-minute averages for the peak period during the billing month. (See Section 6 for a definition of "Peak-Period.") (N)

Standby Demand: For customers under this rate schedule and for whom Schedule SB—Standby Service Special Conditions 1 through 6 apply, standby demand is the portion of a customer's maximum demand in any month caused by nonoperation of the customer's alternate source of power, and for which a demand charge is paid under the regular service schedule.

If the customer imposes standby demand in any month, then the regular service maximum demand charge will be reduced by the applicable reservation capacity charge (see Schedule SB Special Condition 1).

To qualify for the above reduction in the maximum demand charge, the customer must, within 30 days of the regular meter read date, demonstrate to the satisfaction of PG&E the amount of standby demand in any month. This may be done by submitting to PG&E a completed Electric Standby Service Long Sheet (Form 79-726).

Option R for Solar: The Option R rate is available to qualifying Bundled, DA and CCA B-20 customers, with solar photovoltaic (PV) systems that provide 15% or more of their annual electricity usage. For additional Option R details and program specifics, see Sections 3 and 16.

Fuel Cell Generation Demand Adjustment: A customer who installs a fuel cell electric generation facility may be eligible to receive a Generation Demand Adjustment. A customer will qualify for a Generation Demand Adjustment if both of the following conditions are met: (1) the customer's fuel cell electric generation facility was installed (and approved for interconnection by PG&E); and (2) the electric generation facility reduces the customer's maximum demand to the point that the customer would no longer be eligible for service under this schedule. The Generation Demand Adjustment will be the fixed reduction in demand as determined by PG&E from the customer's interconnection agreement, and will be added to the customer's maximum demand for the sole purpose of determining the customer's eligibility for Schedule B-20.

The Generation Demand Adjustment does not specifically guarantee the customer's continued eligibility for service under this schedule nor will it be applied to the customer's maximum demand for purposes of calculating the monthly maximum demand charge.

Option S for Storage: The Option S rate for storage is available to qualifying Bundled, DA and CCA service under Schedule B-20 customers with storage systems with a rated capacity in watts which is at least 10% of the customer's peak demand over the previous 12 months. Option S is available subject to an enrollment cap. For additional Option S details and program specifics, sett Sections 3 and 18.

2. TERRITORY: Schedule B-20 applies everywhere PG&E provides electric service. (N)

(Continued)

ELECTRIC SCHEDULE B-20 Sheet 3 (N)
SERVICE TO CUSTOMERS WITH MAXIMUM (N)
DEMANDS of 1000 KILOWATTS or MORE (N)

3. RATES: Total bundled service charges are calculated using the total rates shown below. Direct Access (DA) and Community Choice Aggregation (CCA) charges shall be calculated in accordance with the paragraph in this rate schedule titled Billing. (N)

BUNDLED TOTAL RATES

	Secondary Voltage	Primary Voltage	Transmission Voltage
Total Customer Charge Rates			
Customer Charge Mandatory B-20 ($ per meter per day)	$42.71047 (N)	$42.71047 (N)	$49.28131 (N)
Total Demand Rates ($ per kW)			
Maximum Peak Demand Summer	$25.02 (N)	$25.34 (N)	$18.08 (N)
Maximum Part-Peak Demand Summer	$5.07 (N)	$4.82 (N)	$4.31 (N)
Maximum Demand Summer	$19.51 (N)	$17.59 (N)	$9.75 (N)
Maximum Peak Demand Winter	$1.89 (N)	$1.85 (N)	$2.41 (N)
Maximum Demand Winter	$19.51 (N)	$17.59 (N)	$9.75 (N)
Total Energy Rates ($ per kWh)			
Peak Summer	$0.15637 (N)	$0.14995 (N)	$0.12916 (N)
Part-Peak Summer	$0.12903 (N)	$0.12140 (N)	$0.11166 (N)
Off-Peak Summer	$0.10744 (N)	$0.10148 (N)	$0.09213 (N)
Peak Winter	$0.14008 (N)	$0.13178 (N)	$0.12831 (N)
Off-Peak Winter	$0.10727 (N)	$0.10154 (N)	$0.08860 (N)
Super Off-Peak Winter	$0.06330 (N)	$0.05863 (N)	$0.04892 (N)
Power Factor Adjustment Rate ($/kWh/%)	$0.00005 (N)	$0.00005 (N)	$0.00005 (N)

(Continued)

ELECTRIC SCHEDULE B-20 Sheet 4 (N)
SERVICE TO CUSTOMERS WITH MAXIMUM (N)
DEMANDS of 1000 KILOWATTS or MORE (N)

3. Rates: (N)
(Cont'd.)

Total bundled service charges shown on customers' bills are unbundled according to the component rates shown below.

UNBUNDLING OF TOTAL RATES

Customer Charge Rates: Customer charge rates provided in the Total Rates section above are assigned entirely to the unbundled distribution component.

Demand Rates by Components ($ per kW)	Secondary Voltage	Primary Voltage	Transmission Voltage
Generation:			
Maximum Peak Demand Summer	$14.85 (N)	$16.08 (N)	$18.08 (N)
Maximum Part-Peak Demand Summer	$2.15 (N)	$2.21 (N)	$4.31 (N)
Maximum Peak Demand Winter	$1.89 (N)	$1.85 (N)	$2.41 (N)
Distribution:**			
Maximum Peak Demand Summer	$10.17 (N)	$9.26 (N)	$0.00 (N)
Maximum Part-Peak Demand Summer	$2.92 (N)	$2.61 (N)	$0.00 (N)
Maximum Demand Summer	$10.65 (N)	$8.73 (N)	$0.89 (N)
Maximum Peak Demand Winter	$0.00 (N)	$0.00 (N)	$0.00 (N)
Maximum Demand Winter	$10.65 (N)	$8.73 (N)	$0.89 (N)
Transmission Maximum Demand*	$8.61 (N)	$8.61 (N)	$8.61 (N)
Reliability Services Maximum Demand*	$0.25 (N)	$0.25 (N)	$0.25 (N)

* Transmission, Transmission Rate Adjustments, and Reliability Service charges are combined for presentation on customer bills.
** Distribution and New System Generation Charges are combined for presentation on customer bills.

(Continued)

ELECTRIC SCHEDULE B-20 Sheet 5 (N)
SERVICE TO CUSTOMERS WITH MAXIMUM (N)
DEMANDS of 1000 KILOWATTS or MORE (N)

3. Rates: (N)
(Cont'd.)

Total bundled service charges shown on customers' bills are unbundled according to the component rates shown below.

UNBUNDLING OF TOTAL RATES

Customer Charge Rates: Customer charge rates provided in the Total Rate section above are assigned entirely to the unbundled distribution component.

Energy Charges by Components ($ per kWh)	Secondary Voltage	Primary Voltage	Transmission Voltage
Generation:			
Peak Summer	$0.13445	$0.12883	$0.10930
Part-Peak Summer	$0.10711	$0.10028	$0.09180
Off-Peak Summer	$0.08552	$0.08036	$0.07227
Peak Winter	$0.11816	$0.11066	$0.10845
Off-Peak Winter	$0.08535	$0.08042	$0.06874
Super Off-Peak Winter	$0.04138	$0.03751	$0.02906
Transmission Rate Adjustments* (all usage)	$0.00329	$0.00329	$0.00329
Public Purpose Programs (all usage)	$0.01107	$0.01033	$0.00913
Nuclear Decommissioning (all usage)	$0.00088	$0.00088	$0.00088
Competition Transition Charge (all usage)	$0.00100	$0.00094	$0.00088
Energy Cost Recovery Amount (all usage)	($0.00057)	($0.00057)	($0.00057)
DWR Bond (all usage)	$0.00503	$0.00503	$0.00503
New System Generation Charge (all usage)**	$0.00122	$0.00122	$0.00122

* Transmission, Transmission Rate Adjustments, and Reliability Service charges are combined for presentation on customer bills.
** Distribution and New System Generation Charges are combined for presentation on customer bills. (N)

(Continued)

ELECTRIC SCHEDULE B-20 Sheet 6 (N)
SERVICE TO CUSTOMERS WITH MAXIMUM (N)
DEMANDS of 1000 KILOWATTS or MORE (N)

3. Rates: (N)
(Cont'd.)

Total bundled service charges are calculated using the total rates shown below. DA and CCA charges shall be calculated in accordance with the paragraph in this rate schedule titled Billing.

TOTAL RATES FOR OPTION R
(for qualifying solar customers as set forth in Section 16)

Total Customer Charge Rates	Secondary Voltage	Primary Voltage	Transmission Voltage	
Customer Charge Mandatory B-20 ($ per meter per day)	$42.71047	$42.71047	$49.28131	
Total Demand Rates ($ per kW)				
Maximum Peak Demand Summer	$2.54	$2.31	$0.00	
Maximum Part-Peak Demand Summer	$0.73	$0.65	$0.00	
Maximum Demand Summer	$19.51	$17.59	$9.75	
Maximum Peak Demand Winter	$0.00	$0.00	$0.00	
Maximum Demand Winter	$19.51	$17.59	$9.75	
Total Energy Rates ($ per kWh)				
Peak Summer	$0.35488	$0.33046	$0.26541	
Part-Peak Summer	$0.17205	$0.15930	$0.14679	
Off-Peak Summer	$0.11302	$0.10673	$0.09654	
Peak Winter	$0.15536	$0.14522	$0.14664	
Off-Peak Winter	$0.11163	$0.10515	$0.09362	
Super Off-Peak Winter	$0.07588	$0.06940	$0.06082	
Power Factor Adjustment Rate ($/kWh/%)	$0.00005	$0.00005	$0.00005	(N)

(Continued)

ELECTRIC SCHEDULE B-20 Sheet 7 (N)
SERVICE TO CUSTOMERS WITH MAXIMUM (N)
DEMANDS of 1000 KILOWATTS or MORE (N)

3. Rates:
(Cont'd.)

Total bundled service charges shown on customers' bills are unbundled according to the component rates shown below. (N)

UNBUNDLING OF TOTAL RATES FOR OPTION R (Cont'd)
(for qualifying storage customers as set forth in Section 16)

Customer Charge Rates: Customer charge rates provided in the Total Rates section above are assigned entirely to the unbundled distribution component.

Demand Rates by Components ($ per kW)	Secondary Voltage	Primary Voltage	Transmission Voltage
Distribution:**			
Maximum Peak Demand Summer	$2.54	$2.31	$0.00
Maximum Part-Peak Demand Summer	$0.73	$0.65	$0.00
Maximum Demand Summer	$10.65	$8.73	$0.89
Maximum Peak Demand Winter	$0.00	$0.00	$0.00
Maximum Demand Winter	$10.65	$8.73	$0.89
Transmission Maximum Demand*	$8.61	$8.61	$8.61
Reliability Services Maximum Demand*	$0.25	$0.25	$0.25

* Transmission, Transmission Rate Adjustments, and Reliability Service charges are combined for presentation on customer bills.
** Distribution and New System Generation Charges are combined for presentation on customer bills. (N)

(Continued)

ELECTRIC SCHEDULE B-20 Sheet 8 (N)
SERVICE TO CUSTOMERS WITH MAXIMUM (N)
DEMANDS of 1000 KILOWATTS or MORE (N)

3. Rates: (N)
(Cont'd.)

Total bundled service charges shown on customers' bills are unbundled according to the component rates shown below.

UNBUNDLING OF TOTAL RATES FOR OPTION R (Cont'd.)
(for qualifying storage customers as set forth in Section 16)

Customer Charge Rates: Customer charge rates provided in the Total Rates section above are assigned entirely to the unbundled distribution component.

Energy Charges by Components ($ per kWh)	Secondary Voltage	Primary Voltage	Transmission Voltage
Generation:			
Peak Summer	$0.26005	$0.24758	$0.24555
Part-Peak Summer	$0.12730	$0.11869	$0.12693
Off-Peak Summer	$0.08984	$0.08398	$0.07668
Peak Winter	$0.13344	$0.12410	$0.12678
Off-Peak Winter	$0.08971	$0.08403	$0.07376
Super Off-Peak Winter	$0.05396	$0.04828	$0.04096
Distribution:**			
Peak Summer	$0.07291	$0.06176	$0.00000
Part-Peak Summer	$0.02283	$0.01949	$0.00000
Off-Peak Summer	$0.00126	$0.00163	$0.00000
Peak Winter	$0.00000	$0.00000	$0.00000
Off-Peak Winter	$0.00000	$0.00000	$0.00000
Super Off-Peak Winter	$0.00000	$0.00000	$0.00000
Transmission Rate Adjustments* (all usage)	$0.00329	$0.00329	$0.00329
Public Purpose Programs (all usage)	$0.01107	$0.01033	$0.00913
Nuclear Decommissioning (all usage)	$0.00088	$0.00088	$0.00088
Competition Transition Charge (all usage)	$0.00100	$0.00094	$0.00088
Energy Cost Recovery Amount (all usage)	($0.00057)	($0.00057)	($0.00057)
DWR Bond (all usage)	$0.00503	$0.00503	$0.00503
New System Generation Charge (all usage)**	$0.00122	$0.00122	$0.00122

* Transmission, Transmission Rate Adjustments, and Reliability Service charges are combined for presentation on customer bills.
** Distribution and New System Generation Charges are combined for presentation on customer bills. (N)

(Continued)

ELECTRIC SCHEDULE B-20 Sheet 9 (N)
SERVICE TO CUSTOMERS WITH MAXIMUM (N)
DEMANDS of 1000 KILOWATTS or MORE (N)

3. Rates: (N)
(Cont'd.)

Total bundled service charges are calculated using the total rates shown below. DA and CCA charges shall be calculated in accordance with the paragraph in this rate schedule titled Billing.

TOTAL RATES FOR OPTION S
(for qualifying solar customers as set forth in Section 18)

Total Customer Charge Rates	Secondary Voltage	Primary Voltage	Transmission Voltage
Customer Charge Mandatory B-20 ($ per meter per day)	$42.71047	$42.71047	$49.28131
Total Demand Rates ($ per kW)			
Maximum Peak Demand Summer (per day)	$0.49	$0.39	$0.03
Maximum Part-Peak Demand Summer (per day)	$0.03	$0.03	$0.00
Maximum Demand Summer (per monthly billing, all hours except 9 am to 2 pm)	$2.20	$1.77	$0.19
Maximum Demand Summer (per monthly billing)	$8.86	$8.86	$8.86
Maximum Peak Demand Winter (per day)	$0.41	$0.32	$0.03
Maximum Demand Winter (per monthly billing, all hours except 9 am to 2 pm)	$2.21	$1.77	$0.19
Maximum Demand Winter (per billing month)	$8.86	$8.86	$8.86
Total Energy Rates ($ per kWh)			
Peak Summer	$0.35488	$0.33046	$0.26541
Part-Peak Summer	$0.17205	$0.15930	$0.14679
Off-Peak Summer	$0.11302	$0.10673	$0.09654
Peak Winter	$0.15536	$0.14522	$0.14664
Off-Peak Winter	$0.11163	$0.10515	$0.09362
Super Off-Peak Winter	$0.07588	$0.06940	$0.06082
Power Factor Adjustment Rate ($/kWh/%)	$0.00005	$0.00005	$0.00005 (N)

(Continued)

ELECTRIC SCHEDULE B-20 Sheet 10 (N)
SERVICE TO CUSTOMERS WITH MAXIMUM (N)
DEMANDS of 1000 KILOWATTS or MORE (N)

3. Rates:
(Cont'd.)

Total bundled service charges shown on customers' bills are unbundled according to the component rates shown below. (N)

UNBUNDLING OF TOTAL RATES FOR OPTION S (Cont'd)
(for qualifying storage customers as set forth in Section 18)

Customer Charge Rates: Customer charge rates provided in the Total Rates section above are assigned entirely to the unbundled distribution component.

Demand Rates by Components ($ per kW)	Secondary Voltage	Primary Voltage	Transmission Voltage
Distribution:**			
Maximum Peak Demand Summer (per day)	$0.49	$0.39	$0.03
Maximum Part-Peak Demand Summer (per day)	$0.03	$0.03	$0.00
Maximum Demand Summer (per monthly billing, all hours except 9 am to 2 pm)	$2.20	$1.77	$0.19
Maximum Demand Summer (per monthly billing)	$0.00	$0.00	$0.00
Maximum Peak Demand Winter (per day)	$0.41	$0.32	$0.03
Maximum Demand Winter (per monthly billing, all hours except 9 am to 2 pm)	$2.21	$1.77	$0.19
Maximum Demand Winter (per billing month)	$0.00	$0.00	$0.00
Transmission Maximum Demand*	$8.61	$8.61	$8.61
Reliability Services Maximum Demand*	$0.25	$0.25	$0.25

* Transmission, Transmission Rate Adjustments, and Reliability Service charges are combined for presentation on customer bills.
** Distribution and New System Generation Charges are combined for presentation on customer bills. (N)

(Continued)

ELECTRIC SCHEDULE B-20 Sheet 11 (N)
SERVICE TO CUSTOMERS WITH MAXIMUM (N)
DEMANDS of 1000 KILOWATTS or MORE (N)

3. Rates: (N)
(Cont'd.)

Total bundled service charges shown on customers' bills are unbundled according to the component rates shown below.

UNBUNDLING OF TOTAL RATES FOR OPTION S (Cont'd.)
(for qualifying storage customers as set forth in Section 18)

Customer Charge Rates: Customer charge rates provided in the Total Rates section above are assigned entirely to the unbundled distribution component.

Energy Charges by Components ($ per kWh)	Secondary Voltage	Primary Voltage	Transmission Voltage
Generation:			
Peak Summer	$0.26005	$0.24758	$0.24555
Part-Peak Summer	$0.12730	$0.11869	$0.12693
Off-Peak Summer	$0.08984	$0.08398	$0.07668
Peak Winter	$0.13344	$0.12410	$0.12678
Off-Peak Winter	$0.08971	$0.08403	$0.07376
Super Off-Peak Winter	$0.05396	$0.04828	$0.04096
Distribution:**			
Peak Summer	$0.07291	$0.06176	$0.00000
Part-Peak Summer	$0.02283	$0.01949	$0.00000
Off-Peak Summer	$0.00126	$0.00163	$0.00000
Peak Winter	$0.00000	$0.00000	$0.00000
Off-Peak Winter	$0.00000	$0.00000	$0.00000
Super Off-Peak Winter	$0.00000	$0.00000	$0.00000
Transmission Rate Adjustments* (all usage)	$0.00329	$0.00329	$0.00329
Public Purpose Programs (all usage)	$0.01107	$0.01033	$0.00913
Nuclear Decommissioning (all usage)	$0.00088	$0.00088	$0.00088
Competition Transition Charge (all usage)	$0.00100	$0.00094	$0.00088
Energy Cost Recovery Amount (all usage)	($0.00057)	($0.00057)	($0.00057)
DWR Bond (all usage)	$0.00503	$0.00503	$0.00503
New System Generation Charge (all usage)**	$0.00122	$0.00122	$0.00122

* Transmission, Transmission Rate Adjustments, and Reliability Service charges are combined for presentation on customer bills.
** Distribution and New System Generation Charges are combined for presentation on customer bills. (N)

(Continued)

ELECTRIC SCHEDULE B-20 Sheet 12 (N)
SERVICE TO CUSTOMERS WITH MAXIMUM (N)
DEMANDS of 1000 KILOWATTS or MORE (N)

3. RATES: (Cont'd.)

a. TYPES OF CHARGES: The customer's monthly charge for service under Schedule B-20 is the sum of a customer charge, demand charges, and energy charges: (N)

The **customer charge** is a flat monthly fee.

– Schedule B-20 has three **demand charges**, a maximum-peak-period-demand charge, a maximum-part-peak-period demand charge, and a maximum-demand charge. The maximum-peak-period-demand charge per kilowatt applies to the maximum demand during the month's peak hours, the maximum-part-peak-demand charge per kilowatt applies to the maximum demand during the month's part-peak hours, and the maximum-demand charge per kilowatt applies to the maximum demand at any time during the month. The bill will include <u>all</u> of these demand charges. Option S includes variations of these basic demand charge types assessed on a (1) daily basis by time period and (2) maximum monthly basis applied to all hours except 9 am to 2 pm. (Time periods are defined in Section 6.)

– The **energy charge** is the sum of the energy charges from the peak, partial-peak, and off-peak periods. The customer pays for energy by the kilowatt-hour (kWh), and rates are differentiated according to time of day and time of year.

– The monthly charges may be increased or decreased based upon the power factor. (See Section 7.)

– As shown on the rate chart, which set of customer, demand, and energy charges is paid depends on the voltage at which service is taken. Service voltages are defined in Section 5 below.

4. METERING REQUIRE-MENTS:

An interval data meter that measures and registers the amount of electricity a customer uses and can be read remotely by PG&E is required for all customers on this schedule.

For customers taking service under the provisions of Direct Access, see Electric Rule 22 for metering requirements. (N)

(Continued)

ELECTRIC SCHEDULE B-20 Sheet 13 (N)
SERVICE TO CUSTOMERS WITH MAXIMUM (N)
DEMANDS of 1000 KILOWATTS or MORE (N)

5. DEFINITION OF SERVICE VOLTAGE: The following defines the three voltage classes of Schedule B-20 rates. Standard Service Voltages are listed in Rule 2. (N)

a. Secondary: This is the voltage class if the service voltage is less than 2,400 volts or if the definitions of "primary" and "transmission" do not apply to the service.

b. Primary: This is the voltage class if the customer is served from a "single customer substation" or without transformation from PG&E's serving distribution system at one of the standard primary voltages specified in PG&E's Electric Rule 2, Section B.1.

c. Transmission: This is the voltage class if the customer is served without transformation at one of the standard transmission voltages specified in PG&E's Electric Rule 2, Section B.1.

6. DEFINITION OF TIME PERIODS: Times of the year and times of the day are defined as follows:

SUMMER - Service from June 1 through September 30:

Peak:	4:00 p.m. to 9:00 p.m.	Every day, including weekends and holidays
Partial-peak:	2:00 p.m. to 4:00 pm AND 9:00 p.m. to 11:00 p.m.	Every day, including weekends and holidays
Off-peak:	All other Hours.	

WINTER - Service from October 1 through May 31:

Peak:	4:00 p.m. to 9:00 p.m.	Every day, including weekends and holidays
Super Off-Peak	9:00 a.m. to 2:00 p.m.	Every day in March, April and May, including weekends and holidays
Off-peak:	All other Hours.	

CHANGE FROM SUMMER TO WINTER OR WINTER TO SUMMER: When a billing month includes both summer and winter days, PG&E will calculate demand charges as follows. It will consider the applicable maximum demands for the summer and winter portions of the billing month separately, calculate a demand charge for each, and then apply the two according to the number of billing days each represents. (N)

(Continued)

ELECTRIC SCHEDULE B-20 Sheet 14 (N)
SERVICE TO CUSTOMERS WITH MAXIMUM (N)
DEMANDS of 1000 KILOWATTS or MORE (N)

7. POWER FACTOR ADJUST-MENTS: The bill will be adjusted based upon the power factor. The power factor is computed from the cosine of the arctangent of the ratio of lagging reactive kilovolt-ampere-hours to the kilowatt-hours consumed in the month. Power factors are rounded to the nearest whole percent. (N)

The rates in this rate schedule are based on a power factor of 85 percent. If the average power factor is greater than 85 percent, the total monthly bill will be reduced by the product of the power factor rate and the kilowatt-hour usage for each percentage point above 85 percent. If the average power factor is below 85 percent, the total monthly bill will be increased by the product of the power factor rate and the kilowatt-hour usage for each percentage point below 85 percent.

Power factor adjustments will be assigned to distribution for billing purposes.

8. CHARGES FOR TRANSFORMER AND LINE LOSSES: The demand and energy meter readings used in determining the charges will be adjusted to correct for transformation and line losses in accordance with Section B.4 of Rule 2.

9. STANDARD SERVICE FACILITIES: If PG&E must install any new or additional facilities to provide the customer with service under Schedule B-20, the customer may have to pay some of the cost. Any advance necessary and any monthly charge for the facilities will be specified in a line extension agreement. See Rules 2, 15, and 16 for details.

Facilities installed to serve the customer may be removed when service is discontinued. The customer will then have to repay PG&E for all or some of its investment in the facilities. Terms and conditions for repayment will be set forth in the line extension agreement.

10. SPECIAL FACILITIES: PG&E will normally install only those standard facilities it deems necessary to provide service under Schedule B-20. If the customer requests any additional facilities, those facilities will be treated as “special facilities” in accordance with Section I of Rule 2. (N)

(Continued)

ELECTRIC SCHEDULE B-20 Sheet 15 (N)
SERVICE TO CUSTOMERS WITH MAXIMUM (N)
DEMANDS of 1000 KILOWATTS or MORE (N)

11. BILLING: A customer's bill is calculated based on the option applicable to the customer. (N)

Bundled Service Customers receive supply and delivery services solely from PG&E. The customer's bill is based on the Total Rates and Conditions set forth in this schedule.

Transitional Bundled Service Customers take transitional bundled service as prescribed in Rules 22.1 and 23.1, or take bundled service prior to the end of the six (6) month advance notice period required to elect bundled portfolio service as prescribed in Rules 22.1 and 23.1. These customers shall pay charges for transmission, transmission rate adjustments, reliability services, distribution, nuclear decommissioning, public purpose programs, New System Generation Charges, the applicable Cost Responsibility Surcharge (CRS) pursuant to Schedule DA CRS or Schedule CCA CRS, and short-term commodity prices as set forth in Schedule TBCC.

Direct Access (DA) and Community Choice Aggregation (CCA) Customers purchase energy from their non-utility provider and continue receiving delivery services from PG&E. Bills are equal to the sum of charges for transmission, transmission rate adjustments, reliability services, distribution, public purpose programs, nuclear decommissioning, New System Generation Charges, the franchise fee surcharge, and the applicable CRS. The CRS is equal to the sum of the individual charges set forth below. Exemptions to the CRS are set forth in Schedules DA CRS and CCA CRS.

	Secondary Voltage	Primary Voltage	Transmission Voltage	
Energy Cost Recovery Amount Charge (per kWh)	($0.00057)	($0.00057)	($0.00057)	
DWR Bond Charge (per kWh)	$0.00503	$0.00503	$0.00503	
CTC Rate (per kWh)	$0.00100	$0.00094	$0.00088	
Energy Cost Recovery Amount Charge (per kWh)				
2009 Vintage	$0.02032	$0.01907	$0.01795	
2010 Vintage	$0.02345	$0.02200	$0.02070	
2011 Vintage	$0.02438	$0.02287	$0.02152	
2012 Vintage	$0.02542	$0.02385	$0.02243	
2013 Vintage	$0.02560	$0.02401	$0.02259	
2014 Vintage	$0.02562	$0.02403	$0.02260	
2015 Vintage	$0.02567	$0.02408	$0.02265	
2016 Vintage	$0.02556	$0.02397	$0.02255	
2017 Vintage	$0.02561	$0.02402	$0.02259	
2018 Vintage	$0.02568	$0.02409	$0.02266	
2019 Vintage	$0.02731	$0.02561	$0.02405	(N)

(Continued)

ELECTRIC SCHEDULE B-20 Sheet 16 (N)
SERVICE TO CUSTOMERS WITH MAXIMUM (N)
DEMANDS of 1000 KILOWATTS or MORE (N)

12. CARE DISCOUNT FOR NONPROFIT GROUP-LIVING AND SPECIAL EMPLOYEE HOUSING FACILITIES: Facilities which meet the eligibility criteria in Rule 19.2 or 19.3 are eligible for a California Alternate Rates for Energy discount under Schedule E-CARE. CARE customers are exempt from paying the DWR Bond Charge. (N)

13. ELECTRIC EMER-GENCY PLAN ROTATING BLOCK OUTAGES: See Electric Rule 14.

14. STANDBY APPLICA-BILITY: SOLAR GENERATION FACILITIES EXEMPTION: Customers who utilize solar generating facilities which are less than or equal to one megawatt to serve load and who do not sell power or make more than incidental export of power into PG&E's power grid and who have not elected service under Schedule NEM, will be exempt from paying the otherwise applicable standby reservation charges.

DISTRIBUTED ENERGY RESOURCES EXEMPTION: Any customer under a time-of-use (TOU) rate schedule using electric generation technology that meets the criteria as defined in Electric Rule 1 for Distributed Energy Resources is exempt from the otherwise applicable standby reservation charges. Customers qualifying for this exemption shall be subject to the following requirements. Customers qualifying for an exemption from standby charges under Public Utilities (PU) Code Sections 353.1 and 353.3, as described above, must take service on a TOU schedule in order to receive this exemption until a real-time pricing program, as described in PU Code 353.3, is made available. Once available, customers qualifying for the standby charge exemption must participate in the real-time program referred to above. Qualification for and receipt of this distributed energy resources exemption does not exempt the customer from metering charges applicable to TOU and real-time pricing, or exempt the customer from reasonable interconnection charges, non-bypassable charges as required in Preliminary Statement BB - *Competition Transition Charge Responsibility for All Customers and CTC Procurement*, or obligations determined by the Commission to result from participation in the purchase of power through the California Department of Water Resources, as provided in PU Code Section 353.7.

15. DWR BOND CHARGE: The Department of Water Resources (DWR) Bond Charge was imposed by California Public Utilities Commission Decision 02-10-063, as modified by Decision 02-12-082, and is property of DWR for all purposes under California law. The Bond Charge applies to all retail sales, excluding CARE and Medical Baseline sales. The DWR Bond Charge (where applicable) is included in customers' total billed amounts. (N)

(Continued)

ELECTRIC SCHEDULE B-20 Sheet 17 (N)
SERVICE TO CUSTOMERS WITH MAXIMUM (N)
DEMANDS of 1000 KILOWATTS or MORE (N)

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. (N)

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:
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
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%

(N)

(Continued)

ELECTRIC SCHEDULE B-20 Sheet 18 (N)
SERVICE TO CUSTOMERS WITH MAXIMUM (N)
DEMANDS of 1000 KILOWATTS or MORE (N)

17. OPTIMAL BILLING PERIOD SERVICE:

The Optimal Billing Period (OBP) service is a voluntary program available to bundled, direct access and community choice aggregation customers taking service on Schedule B-19 or Schedule B-20. To qualify, a meter must have registered a demand of 500 kW or greater at least once during the most recent 12 months. The OBP service is limited to 50 service accounts with interval billed meters. (N)

Customers electing this service must complete the "Optimal Billing Period Service Election Form" (Form 79-1111).

Decision 18-08-013 expanded the eligibility of OBP to Schedule B-19 (above 500 kW as defined above), Schedule B-20, and to DA and CCA customers taking service on eligible schedules. Decision 18-08-013 retained the participation cap of 50 positions, and reserved 36 positions for agricultural accounts, and 14 positions for commercial and industrial accounts. Before declining participation of any otherwise eligible account based on these participation limits, PG&E will verify that all other enrolled accounts are still eligible for the program.

Customers on net energy metering Schedules VNEM, NEMBIO, NEMFC, NEMCCSF, NEMA or RES-BCT are not eligible for OBP service.

The OBP service allows a billing cycle(s) to coincide with the customer's high seasonal production cycle. The customer designates the OBP by selecting one or both of the following:

a) a specific month and day for the start of the OBP; and/or

b) a specific month and day for the end of the OBP.

PG&E will use the customer's usage from the preceding twelve (12) billing months to determine eligibility for the OBP service. To qualify, the average of the previous high season monthly maximum demand must be at least double the average of the low season monthly maximum demand. The customer must also specify which six consecutive months will be their high season optimal billing period.

The start and end dates must fall within the customer's high seasonal production cycle. In no event shall any revised billing period exceed forty-five (45) days or be less than fifteen (15) days. To qualify for this option, the customer must designate an OBP of not more than six (6) months in duration.

To designate the specific date for the start or end of the OBP, a participating customer must email PG&E at least seventy-two (72) hours in advance and such email shall state in its subject line "OBP Notification." The designation may not be implemented if it is not received or if it does not contain the specified information. (N)

(Continued)

ELECTRIC SCHEDULE B-20 Sheet 19 (N)
SERVICE TO CUSTOMERS WITH MAXIMUM (N)
DEMANDS of 1000 KILOWATTS or MORE (N)

17. OPTIMAL BILLING PERIOD SERVICE: (Cont'd.)

Prior to receiving OBP service, the customer must pay an annual OBP fee of $160.00 per meter. In order to retain the OBP service option in each subsequent year, the annual participation fee must be received by PG&E by the anniversary date of the contract. PG&E will bill the annual OBP fee upon the anniversary date of the contract unless the customer terminates the contract. For billing purposes, the annual participation fee shall be assigned to Distribution. (N)

A. No Retroactive Application

No customer shall be entitled to a refund associated with the OBP service for costs that might have been avoided had the service been available at an earlier point in time.

B. Customer Notification to PG&E

A customer must have at least 12 months of usage on a specific meter before the OBP service can be received on that particular meter. Also, a customer must provide notice to PG&E of their intention to obtain OBP service at least ninety (90) days before the start of the program. (N)

(Continued)

ELECTRIC SCHEDULE B-20 Sheet 20 (N)
SERVICE TO CUSTOMERS WITH MAXIMUM (N)
DEMANDS of 1000 KILOWATTS or MORE (N)

18. OPTION S

The Option S rate for storage is available to qualifying customers taking Bundled, DA or CCA service under Schedule B-19 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. (N)

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 B19 Service Agreement at a new location will not be on Option S on day 1 of their new SA activation.

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. (N)

(Continued)

ELECTRIC SCHEDULE B-6 Sheet 1 (N)
SMALL GENERAL TIME-OF-USE SERVICE (N)

APPLICABILITY: Schedule B-6, a time-of-use schedule, applies to single-phase and polyphase alternating-current service (for a description of these terms, see Section D of Rule 2*). This schedule is not available to residential or agricultural service for which a residential or agricultural schedule is applicable, except for single-phase and polyphase service in common areas in a multifamily complex (see Common-Area Accounts section). (N)

Decision 18-08-013 adopted new TOU periods for all non-residential customer classes. Schedules A-1, A-6, A-10, E-19 and E-20 will be retained as legacy rate schedules with their current TOU periods until the rates with new TOU periods (Schedules B-1, B-6, B-10, B-19 and B-20) established in the same proceeding, become mandatory in November 2020. Certain qualifying customers with solar systems will be permitted to maintain (i.e., be grandfathered on) their existing legacy TOU rate periods for a certain period of time, per Decision 17-01-006, as described in the Electric Rule 1, Definitions: Behind-the-Meter Solar TOU Grandfathering and Eligibility Requirements.

These new rates with revised TOU periods adopted in D.18-08-013, including Schedule B-6, will be available to qualifying customers on a voluntary basis beginning November 1, 2019. Customers eligible for this rate schedule must have an interval data meter that can be read remotely by PG&E. Beginning on November 1, 2020, customers still served on Schedule A-6, with the exception of solar grandfathered customers referenced above, will be transitioned to Schedule B-6 with revised TOU periods. The mandatory transition process is further described in the legacy rate Schedule A-6.

Customers with a maximum demand of 75 kW or greater for three consecutive months in the most recent twelve months are not eligible for service on this rate schedule except as noted: customers served on Schedule A-6 or who sent PG&E a letter (via certified mail with a return receipt to establish a delivery record date) requesting a rate change pursuant to Electric Rule 12, on or before March 31, 2017 shall be allowed to take service on Schedule B-6 and will be exempt from annual 75 kW eligibility reviews, but will be subject to placement on Mandatory B-19 if over 499 kW for three consecutive months. Eligibility for B-6 will be reviewed annually and the transition of customers that are no longer eligible for service on this rate schedule to Schedule B-10 will occur on the start of the customers' November billing cycle. These customers will have at least 45-days' notice prior to their planned transition, during which they will continue to take service on this rate schedule. Customers may elect any other applicable rate schedule up to five (5) days prior to the planned transition date to Schedule B-10.

The provisions of Schedule SB—Standby Service Special Conditions 1 through 6 shall also apply to customers served under this schedule whose premises are regularly supplied in part (but not in whole) by electric energy from a nonutility source of supply. These customers will pay monthly reservation charges as specified under Section 1 of Schedule SB, in addition to all applicable Schedule B-6 charges. Exemptions are outlined in the Standby Applicability Section of this rate schedule.

TERRITORY: This rate schedule applies everywhere PG&E provides electric service.

* The Rules referred to in this schedule are part of PG&E's electric tariffs. Copies are available at PG&E's local offices and website at http://www.pge.com/tariffs. (N)

(Continued)

ELECTRIC SCHEDULE B-6 Sheet 2 (N)
SMALL GENERAL TIME-OF-USE SERVICE (N)

RATES: Total bundled service charges are calculated using the total rates shown below. Direct Access (DA) and Community Choice Aggregation (CCA) charges shall be calculated in accordance with the paragraph in this rate schedule titled Billing. (N)

TOTAL RATES

Total Customer/Meter Charge Rates

Customer Charge Single-phase ($ per meter per day)	$0.32854
Customer Charge Poly-phase ($ per meter per day)	$0.82136

Total Energy Rates ($ per kWh)

Peak Summer	$0.34649
Off-Peak Summer	$0.22855
Peak Winter	$0.23888
Off-Peak Winter	$0.21914
Super Off-Peak Winter	$0.20272 (N)

(Continued)

ELECTRIC SCHEDULE B-6 Sheet 3 (N)
SMALL GENERAL TIME-OF-USE SERVICE (N)

RATES: (Cont'd.)

Total bundled service charges shown on customers' bills are unbundled according to the component rates shown below. (N)

UNBUNDLING OF TOTAL RATES

Customer Charge Rates: Customer charge rates provided in the Total Rate section above are assigned entirely to the unbundled distribution component.

Energy Rates by Components ($ per kWh)	Rates
Generation:	
Peak Summer	$0.18199
Off-Peak Summer	$0.11083
Peak Winter	$0.11847
Off Peak Winter	$0.10142
Super Off-Peak Winter	$0.08500
Distribution:**	
Peak Summer	$0.11788
Off-Peak Summer	$0.07110
Peak Winter	$0.07379
Off Peak Winter	$0.07110
Super Off-Peak Winter	$0.07110
Transmission* (all usage)	$0.02419
DWR Bond (all usage)	$0.00503
Transmission Rate Adjustments* (all usage)	$0.00327
Reliability Services* (all usage)	($0.00067)
Public Purpose Programs (all usage)	$0.01181
Nuclear Decommissioning (all usage)	$0.00088
Competition Transition Charges (all usage)	$0.00107
Energy Cost Recovery Amount (all usage)	($0.00057)
New System Generation Charge (all usage)**	$0.00161
California Climate Credit (all usage)***	$0.00000 (N)

(N)

* Transmission, Transmission Rate Adjustments, and Reliability Service charges are combined for presentation on customer bills.
** Distribution and New System Generation Charges are combined for presentation on customer bills.
*** Only customers that qualify as Small Businesses – California Climate Credit under Rule 1 are eligible for the California Climate Credit. (N)

(Continued)

ELECTRIC SCHEDULE B-6 Sheet 4 (N)
SMALL GENERAL TIME-OF-USE SERVICE (N)

TIME PERIODS: Times of the year and times of the day are defined as follows: (N)

SUMMER - Service from June 1 through September 30:

Peak:	4:00 p.m. to 9:00 p.m.	Every day, including weekends and holidays
Off-peak:	All other Hours.	

WINTER - Service from October 1 through May 31:

Peak:	4:00 p.m. to 9:00 p.m.	Every day, including weekends and holidays
Super Off-Peak	9:00 a.m. to 2:00 p.m.	Every day in March, April and May, including weekends and holidays
Off-peak:	All other Hours.	

SEASONS: The summer rate is applicable June 1 through September 30, and the winter rate is applicable October 1 through May 31. When billing includes use in both the summer and winter periods, charges will be prorated based upon the number of days in each period.

CONTRACT: For customers who use service for only part of the year, this schedule is available only on annual contract.

COMMON-AREA ACCOUNTS: Common-area accounts are those accounts that provide electric service to Common Use Areas as defined in Rule 1. Common-area accounts that are separately metered by PG&E and which took electric service from PG&E on or prior to January 16, 2003, had a one-time opportunity to return to a residential rate schedule from April 1, 2004, to May 31, 2004, by notifying PG&E in writing. These accounts remain eligible for service under this rate schedule if the customer did not invoke this first right of return.

In the event that the CPUC substantially reduces the surcharges or substantially amends any or all of PG&E's commercial or residential rate schedules, the Executive Council of Homeowners (ECHO) can direct PG&E to begin an optional second right-of-return period lasting 105 days.

Newly constructed Common-areas that are separately metered by PG&E and which first took electric service from PG&E after January 16, 2003, have a one-time opportunity to transfer to a residential rate schedule during a two-month window that begins 14 months after taking service on a commercial rate schedule. This must be done by notifying PG&E in writing. These common-area accounts have an additional opportunity to return to a residential schedule in the event that ECHO directs PG&E to begin a second right-of-return period. (N)

(Continued)

ELECTRIC SCHEDULE B-6 Sheet 5 (N)
SMALL GENERAL TIME-OF-USE SERVICE (N)

BILLING: A customer's bill is calculated based on the option applicable to the customer. (N)

Bundled Service Customers receive supply and delivery services solely from PG&E. The customer's bill is based on the total rates and conditions set forth in this schedule.

Transitional Bundled Service Customers take transitional bundled service as prescribed in Rules 22.1 and 23.1, or take bundled service prior to the end of the six (6) month advance notice period required to elect bundled portfolio service as prescribed in Rules 22.1 and 23.1. These customers shall pay charges for transmission, transmission rate adjustments, reliability services, distribution, nuclear decommissioning, public purpose programs, New System Generation Charges[1], the applicable Cost Responsibility Surcharge (CRS) pursuant to Schedule DA CRS or Schedule CCA CRS, and short-term commodity prices as set forth in Schedule TBCC.

Direct Access (DA) and Community Choice Aggregation (CCA) Customers purchase energy from their non-utility provider and continue receiving delivery services from PG&E. Bills are equal to the sum of charges for transmission, transmission rate adjustments, reliability services, distribution, public purpose programs, nuclear decommissioning, New System Generation Charges, the franchise fee surcharge, and the applicable CRS. The CRS is equal to the sum of the individual charges set forth below. Exemptions to the CRS are set forth in Schedules DA CRS and CCA CRS.

	DA /CCA CRS	
Energy Cost Recovery Amount Charge (per kWh)	($0.00057)	
DWR Bond Charge (per kWh)	$0.00503	
CTC Charge (per kWh)	$0.00107	
Power Charge Indifference Adjustment (per kWh)		
2009 Vintage	$0.02131	
2010 Vintage	$0.02465	
2011 Vintage	$0.02564	
2012 Vintage	$0.02677	
2013 Vintage	$0.02696	
2014 Vintage	$0.02699	
2015 Vintage	$0.02705	
2016 Vintage	$0.02693	
2017 Vintage	$0.02699	
2018 Vintage	$0.02706	
2019 Vintage	$0.02905	(N)

(Continued)

ELECTRIC SCHEDULE B-6 Sheet 6 (N)
SMALL GENERAL TIME-OF-USE SERVICE (N)

CARE DISCOUNT: Nonprofit Group-Living Facilities which meet the eligibility criteria in Rule 19.2 or 19.3 are eligible for a California Alternate Rates for Energy discount pursuant to Schedule E CARE. CARE customers are exempt from paying the DWR Bond Charge. (N)

STANDBY APPLICABILITY: SOLAR GENERATION FACILITIES EXEMPTION: Customers who utilize solar generating facilities which are less than or equal to one megawatt to serve load and who do not sell power or make more than incidental export of power into PG&E's power grid and who have not elected service under Schedule NEM, will be exempt from paying the otherwise applicable standby reservation charges.

DISTRIBUTED ENERGY RESOURCES EXEMPTION: Any customer under a time-of-use rate schedule using electric generation technology that meets the criteria as defined in Electric Rule 1 for Distributed Energy Resources is exempt from the otherwise applicable standby reservation charges. Customers qualifying for this exemption shall be subject to the following requirements. Customers qualifying for an exemption from standby charges under Public Utilities (PU) Code Sections 353.1 and 353.3, as described above, must transfer to Schedule A-6 or E-19, to receive this exemption until a real-time pricing program, as described in PU Code 353.3, is made available. Once available, customers qualifying for the standby charge exemption must participate in the real-time program referred to above. Qualification for and receipt of this distributed energy resources exemption does not exempt the customer from metering charges applicable to time-of-use (TOU) and real-time pricing, or exempt the customer from reasonable interconnection charges, non-bypassable charges as required in Preliminary Statement BB - *Competition Transition Charge Responsibility for All Customers and CTC Procurement*, or obligations determined by the Commission to result from participation in the purchase of power through the California Department of Water Resources, as provided in PU Code Section 353.7.

DWR BOND CHARGE: The Department of Water Resources (DWR) Bond Charge was imposed by California Public Utilities Commission Decision 02-10-063, as modified by Decision 02-12-082, and is property of DWR for all purposes under California law. The Bond Charge applies to all retail sales, excluding CARE and Medical Baseline sales. The DWR Bond Charge (where applicable) is included in customers' total billed amounts. (N)

(Continued)

ELECTRIC SCHEDULE SB Sheet 1 (N)
STANDBY SERVICE (N)
(N)

APPLICABILITY: PG&E will supply electricity and capacity on a standby basis under the terms of this schedule for customers: (N)

a. whose supply requirements would otherwise be delivered through PG&E-owned facilities (including Independent System Operator (ISO)-controlled transmission facilities) but are regularly and completely provided through facilities not owned by PG&E;

b. who at times take auxiliary service (by means of a double-throw switch) from another public utility and who signed Standard Form 79-285 prior to the day after the Commission ends the rate freeze ordered by Assembly Bill 1890;

c. who require PG&E to provide reserve capacity and stand ready at all times to supply electricity on an irregular or noncontinuous basis;

d. whose nonutility source of generation does not qualify under items (a), (b), or (c) above, but who qualify for and elect to receive back-up service under the provisions of Special Condition 7 below; or

e. who have one or more generating units certified under the California Independent System Operator Corporation (CAISO) Tariff Station Power Protocol for which the customer Self-Supplies Station Load by netting any energy deliveries against Station Power in a given month, subject to the provisions of Special Condition 15 below.

Any customer under a time-of-use rate schedule using electric generation technology that meets the criteria as defined in Electric Rule* 1 for Distributed Energy Resources is exempt from the otherwise applicable Standby Reservation Charges. Customers qualifying for this exemption will continue to pay the applicable energy, reactive demand, customer and meter charges provided for under this rate schedule and shall be subject to the requirements outlined in Special Condition 10 of this tariff.

* The Rules referred to in this schedule are part of PG&E's electric tariffs. Copies are available at PG&E's local offices and website at http://www.pge.com/tariffs. (N)

(Continued)

ELECTRIC SCHEDULE SB Sheet 2 (N)
STANDBY SERVICE (N)
(N)

APPLICABILITY: (Cont'd.) Customers whose: (N)

a. premises are supplied only in part by electric energy from a non-utility source of supply, and who do not qualify for or elect to take back-up service under the provisions of Special Condition 7, and/or

b. regular non-utility source of supply is subject to an extended outage as defined under Special Condition 8,

will receive service under one of PG&E's other applicable rate schedules.

However, this service will be provided subject to the provisions of Special Conditions 1 through 6 and 8 through 9 below, and reservation charges as specified under Section 1 will also be applicable.

Solar customers who are taking service under PG&E's net metering tariffs or who utilize solar generating facilities which are less than or equal to one megawatt to serve load and who do not sell power or make more than incidental export of power into PG&E's power grid are exempt from standby charges. Non-solar customers taking service under one of PG&E net metering schedules may be exempt from standby charges pursuant to PU Code 2827.

For customers with in Front of The Meter (FTM) storage devices who will at any time charge using grid power and require station service, PG&E's Schedule E-STORE also applies. FTM storage applications are where all energy discharged from the storage device, less its station load, is intended for grid export. Existing storage installations with station service requirements must also take charging service under Schedule E-STORE, including pilot storage facilities, storage facilities with only station load, as well as energy storage collocated with another generator within the same service delivery point.

TERRITORY: PG&E's entire service territory.

RATES Total bundled service charges are calculated using the total rates shown below. Direct Access (DA) and Community Choice Aggregation (CCA) charges shall be calculated in accordance with the paragraph in this rate schedule titled Billing.

DEFINITION OF SERVICE VOLTAGE:

The following defines the three voltage classes of Schedule SB rates. Standard Service Voltages are listed in Rule 2*.

a. Secondary: This is the voltage class if the service voltage is less than 2,400 volts or if the definitions of "primary" and "transmission" do not apply to the service.

b. Primary: This is the voltage class if the customer is served from a "single customer substation" or without transformation from PG&E's serving distribution system at one of the standard primary voltages specified in PG&E's Electric Rule 2, Section B.1.

c. Transmission: This is the voltage class if the customer is served without utility transformation at one of the standard transmission voltages specified in PG&E's Electric Rule 2, Section B.1. (N)

(Continued)

ELECTRIC SCHEDULE SB Sheet 3 (N)
STANDBY SERVICE (N)
(N)

RATES: (Cont'd) **DEFINITION OF SERVICE VOLTAGE:** (Cont'd) (N)

The Standby Reservation Charges for customers who have paid for the total cost of the service transformers as special facilities under electric Rule 2 are determined by the voltage at the high side of the service transformer. All other charges will be billed on the voltage level at the low side of the service transformer.

PG&E retains the right to change its line voltage at any time, after reasonable advance notice to any customer affected by the change. The customer then has the option of changing its system to receive service at the new line voltage or accepting service at the initial voltage level through transformers supplied by PG&E.

DEFINITION OF MAXIMUM DEMAND:

The real (kW) and reactive (kVAR) demands billed under this tariff will be averaged over each 15-minute interval. "Maximum demand" (real and reactive) will be the highest 15-minute interval average for the billing month. If the customer's use of electricity is intermittent or subject to severe fluctuations, a 5-minute interval may be used. If the customer has any welding machines, the diversified resistance welder load, calculated in accordance with Section J of Rule 2, will be considered the maximum demand if it exceeds the maximum demand that results from averaging the demand over 15-minute intervals.

Total bundled service charges are calculated using the total rates shown below. DA and CCA charges shall be calculated in accordance with the paragraph in this rate schedule titled Billing.

TOTAL RATES

	Secondary Voltage	Primary Voltage	Transmission Voltage	
Total Maximum Reactive Demand Charge ($ per kVAR)	$0.35	$0.35	$0.35	
Total Reservation Charge Rate ($/kW)				
Reservation Charge (per KW per month applied to 85 percent of the Reservation Capacity)	$7.74	$7.74	$1.43	
Total Energy Rates ($ per kWh)				
Peak Summer	$0.60569	$0.60649	$0.14728	
Part-Peak Summer	$0.34357	$0.34437	$0.13568	
Off-Peak Summer	$0.14414	$0.14494	$0.12276	
Peak Winter	$0.16889	$0.16969	$0.14273	
Off-Peak Winter	$0.14528	$0.14608	$0.12397	
Super Off-Peak Winter	$0.10197	$0.10277	$0.08110	
Power Factor Adjustment Rate ($/kWh/%)	$0.00005	$0.00005	$0.00005	(N)

(Continued)

ELECTRIC SCHEDULE SB Sheet 4 (N)
STANDBY SERVICE (N)
(N)

RATES: (Cont'd) (N)

Total bundled service charges shown on customers' bills are unbundled according to the component rates shown below

UNBUNDLING OF TOTAL RATES

	Secondary Voltage	Primary Voltage	Transmission Voltage
Reservation Charges Rate by Components ($/kW)			
Generation	$0.31	$0.31	$0.17
Distribution**	$6.42	$6.42	$0.25
Transmission*	$1.04	$1.04	$1.04
Reliability Services*	($0.03)	($0.03)	($0.03)
Energy Rate by Components ($ per kWh)			
Generation:			
Peak Summer	$0.11509	$0.11509	$0.10139
Part-Peak Summer	$0.10303	$0.10303	$0.08979
Off-Peak Summer	$0.08962	$0.08962	$0.07687
Peak Winter	$0.11027	$0.11027	$0.09684
Off-Peak Winter	$0.09076	$0.09076	$0.07808
Super Off-Peak Winter	$0.04745	$0.04745	$0.03521
Distribution:**			
Peak Summer	$0.44176	$0.44176	$0.00000
Part-Peak Summer	$0.19170	$0.19170	$0.00000
Off-Peak Summer	$0.00568	$0.00568	$0.00000
Peak Winter	$0.00978	$0.00978	$0.00000
Off-Peak Winter	$0.00568	$0.00568	$0.00000
Super Off-Peak Winter	$0.00568	$0.00568	$0.00000
Transmission* (all usage)	$0.02296	$0.02296	$0.02296
Transmission Rate Adjustments* (all usage)	$0.00329	$0.00329	$0.00329
Reliability Services* (all usage)	($0.00024)	($0.00024)	($0.00024)
Public Purpose Programs (all usage)	$0.01364	$0.01444	$0.01069
Nuclear Decommissioning (all usage)	$0.00088	$0.00088	$0.00088
Competition Transition Charges	$0.00079	$0.00079	$0.00079
Energy Cost Recovery Amount (all usage)	($0.00057)	($0.00057)	($0.00057)
DWR Bond (all usage)	$0.00503	$0.00503	$0.00503
New System Generation Charge (all usage)**	$0.00306	$0.00306	$0.00306
California Climate Credit (all usage)***	$0.00000	$0.00000	$0.00000

* Transmission, Transmission Rate Adjustments, and Reliability Service charges are combined for presentation on customer bills.
** Distribution and New System Generation Charges are combined for presentation on customer bills. (N)

(Continued)

ELECTRIC SCHEDULE SB Sheet 5 (N)
STANDBY SERVICE (N)
(N)

RATES: (Cont'd) Meter and Customer Charges:* (N)
($/meter/day)

Customer Class	Customer Charge	Time-of-Use or Load Profile Meter Charge
Residential	$0.16427	–
Agricultural	$0.90678	–
Small Light and Power (Reservation Capacity ≤ 75 kW)		
Single Phase Service	$0.32854	–
PolyPhase Service	$0.82136	–
Medium Light and Power (Reservation Capacity > 75 kW and < 500 kW)	$4.59959	–
Medium Light and Power (Reservation Capacity ≥ 500 kW and < 1000 kW)		
Transmission	$45.99589	–
Primary	$36.13963	–
Secondary	$23.65503	–
Large Light and Power (Reservation Capacity ≥ 1000 kW)		
Transmission	$49.28131	–
Primary	$42.71047	–
Secondary	$42.71047	–
Supplemental Standby Service Meter Charge	–	$6.11088

* All Meter and Customer charges are assigned to distribution. (N)

(Continued)

ELECTRIC SCHEDULE SB Sheet 6 (N)
STANDBY SERVICE (N)
(N)

RATES: (Cont'd.)

TYPES OF CHARGES: (N)

The customer's monthly charge for service under Schedule SB is the sum of the Reservation, Energy, Customer, and TOU Meter Charges.

a. The **Reservation Charge**, in dollars per kilowatt (kW), applies to the customer's Reservation Capacity, as defined in Special Condition 1.

b. The **Energy Charge** is the sum of Energy Charges from the peak, partial-peak and off-peak periods. The customer pays for energy by the kilowatt-hour (kWh), and rates are differentiated to times of day and time of year.

c. The **Customer Charge** will be paid monthly by all nonresidential customers. Residential customers will pay a Customer Charge only in months when the Customer Charge exceeds the customer's bill under Schedule SB.

d. The Customer Charge varies by class of service, Reservation Capacity, and Voltage Level (for customers with Reservation Capacity greater than 499 kW).

e. The **Load Profile Meter Charge** applies to customers electing to receive the back-up and maintenance portions of their total service requirements under the provisions of Special Condition 7. This charge will be paid in addition to the regular Schedule B-19, or Schedule B-20 monthly customer charge.

RATES: (Cont'd.)

DEFINITION OF TIME PERIODS:

Times of the year and times of the day are defined as follows:

<u>SUMMER - Service from June 1 through September 30</u>:

Peak:	4:00 p.m. to 9:00 p.m.	Every day, including weekends and holidays
Partial-peak:	2:00 p.m. to 4:00 pm AND 9:00 p.m. to 11:00 p.m.	Every day, including weekends and holidays
Off-peak:	All other Hours.	

<u>WINTER - Service from October 1 through May 31:</u>

Peak:	4:00 p.m. to 9:00 p.m.	Every day, including weekends and holidays
Super Off-Peak	9:00 a.m. to 2:00 p.m.	Every day in March, April and May including weekends and holidays
Off-peak:	All other Hours.	

(N)

(Continued)

ELECTRIC SCHEDULE SB Sheet 7 (N)
STANDBY SERVICE (N)
(N)

RATES: (Cont'd.)

PHYSICAL ASSURANCE SERVICE: (N)

A distribution-level customer receiving standby service under Schedule SB may elect to execute a contract for Physical Assurance (PG&E Form 79-1050). This contract requires that the customer's load automatically and instantaneously drop in an amount equal to the energy shortfall arising from a reduction in the on-site generator's output. Customers fulfilling the performance requirements of the physical assurance agreement do not pay the Reservation Charge Rate for the amount of capacity designated under the contract for Physical Assurance.

a. ELIGIBILITY: To qualify for Physical Assurance service under Schedule SB, the customer must have an executed contract for Physical Assurance. The contract for physical assurance acts as a rider contract to the customer's existing contract for standby service (PG&E Form Contract, 79-285) and applies to customers who install, or have already installed, on-site generation. Existing standby customers with on-site generators qualify if they meet the conditions set forth in the contract for physical assurance.

If the contract for Physical Assurance is terminated, the customer reverts to billing under its contract for standby service (Form 79-285) provided that it continues to meet the terms of that contract. (N)

(Continued)

ELECTRIC SCHEDULE SB Sheet 8 (N)
STANDBY SERVICE (N)
(N)

SPECIAL CONDITIONS: (Cont'd.)

1. **RESERVATION CAPACITY:** The Reservation Capacity to be used for billing under the above rates shall be as set forth in the customer's contract for service as amended consistent with this Special Condition 1. For new or revised contracts, the Reservation Capacity shall be set as initially determined by the customer, except that during the first 12-month period following the date of initial specification, PG&E may review the specified Reservation Capacity on a monthly basis and make adjustments as warranted (consistent with the criteria specified below). Thereafter, PG&E may perform an annual review of the most recent 12 months of actual customer operation and make prospective adjustments to the Reservation Capacity as warranted and consistent with customer's historic operations. Any such adjusted Reservation Capacity shall be effective for a minimum of 12 months unless a documented material change of operation is provided to PG&E by the customer. The customer may provide PG&E with documentation of such material changes in operations as might call for an adjusted Reservation Capacity at any time. Upon receipt and review of such documentation, PG&E shall revise the Reservation Capacity effective for the billing period immediately following receipt of the documentation. (N)

   For purposes of the subsequent annual contract reviews and any resulting adjustment to the Reservation Capacity, the following criteria shall apply:

   a. For those customers who operate sufficient non-utility generating capacity so as to ordinarily satisfy all of the electric energy requirements at their site and so do not ordinarily require any service through facilities owned by PG&E, the Reservation Capacity shall not be any greater than the customer's hourly peak demand established during the most recent 12 months of actual customer operation;

   b. For customers with electric loads that exceed the capability of their non-utility generation so as to require the regular provision of supplemental power service through facilities owned by PG&E, the Reservation Capacity determination shall consider the number and size of the customer's non-utility generating unit(s), the outage diversity of the non-utility generating units serving the customer's load and any reduction of customer load commensurate with non-utility generator capacity outages; and

   c. For customers taking Extended Outage Service under Special Condition 8 to this tariff, the Reservation Capacity recorded during the period of Extended Outage Service shall be considered only for purposes of billing the customer for Extended Outage Service and shall not be considered in PG&E's determination of the customer's Reservation Capacity for purposes of other standby service taken under this tariff outside of Extended Outage Service periods. See Special Condition 7 of this tariff for the definition of Reservation Capacity for Supplemental Standby Service customers. (N)

(Continued)

ELECTRIC SCHEDULE SB Sheet 9 (N)
STANDBY SERVICE (N)
(N)

SPECIAL CONDITIONS: (Cont'd.)

2. **REACTIVE DEMAND CHARGE:** When the customer's non-utility generation equipment is operated in parallel with PG&E's system, the customer will design and attempt to operate its facilities in such a way that the reactive current requirements of that portion of the customer's load which ordinarily is supplied from the customer's generation is not supplied at any time from PG&E's system. If the customer does place a reactive demand on PG&E's system in any month, the customer's monthly bill will be adjusted as follows: (N)

   a. A monthly Reactive Demand Charge power factor is computed from the ratio of lagging maximum reactive kilovolt-amperes consumed in the month to the Reservation Capacity kilowatts. This power factor is rounded to the nearest whole percent.

   b. If the calculated monthly Reactive Demand Charge power factor is below 95 percent, the total monthly bill will be increased by the product of the maximum reactive kilovolt-amperes consumed in the month and the Reactive Demand Charge rate.

   Those customers operating synchronous generators who are otherwise obligated to comply with PG&E switching center voltage orders are exempt from the Reactive Demand Charge, provided that customer is in compliance with all valid PG&E switching center voltage orders. Those customers operating synchronous generators who are not otherwise obligated to comply with PG&E switching center voltage orders may elect to comply with voltage orders on a voluntary basis and thereby receive the same exemption from the Reactive Demand Charge as is received by customers subject to mandatory voltage order obligations.

   A customer who is operating under PG&E switching center voltage orders will become exempt from the Reactive Demand Charge after providing PG&E with the following written information:

   a. Notification requesting an exemption including the name, address, and telephone number of the party requesting the exemption;

   b. The location, telephone number, electronic mail address and Fax number of the entity to which PG&E switching center orders are to be transmitted; and

   c. The generator equipment limits for operating voltages and plus and minus VARs. (N)

(Continued)

ELECTRIC SCHEDULE SB Sheet 10 (N)
STANDBY SERVICE (N)
(N)

SPECIAL CONDITIONS: (Cont'd.)

2. REACTIVE DEMAND CHARGE (Cont'd) (N)

Customers operating synchronous generators subject to exemption from paying the Reactive Demand Charge must comply with valid PG&E switching center voltage orders, as defined below for the purposes of this Special Condition 2. Upon request, the customer shall provide PG&E with written documentation sufficient to confirm customer's compliance with valid PG&E switching center voltage orders. Failure of the customer to comply with a valid PG&E switching center voltage order shall result in the following actions by PG&E:

a. On the initial noncompliance occurrence or an occurrence of noncompliance following the imposition of a penalty, PG&E will provide to the customer in writing, through U.S. or electronic mail, the date and nature of the noncompliance and notice that another failure to comply within the next 12 months will result in assessment of a penalty.

b. On any second or further event of noncompliance within 12 months of the prior noncompliance occurrence, a penalty will be billed to the account, equal to the lesser of the number of months since the last noncompliance penalty and the number 12, multiplied by the highest created Reactive Demand in the most recent noncompliance period, multiplied by the current Reactive Demand Charge rate.

c. Customer eligibility for the exemption shall not be interrupted after a subsequent noncompliance occurrence (after a prior warning has been issued). However, a penalty for noncompliance as described here will be billed to the account.

A valid PG&E switching center voltage order shall specify the requested operating voltage, as measured at the customer's generator terminals (or some other mutually agreeable metering location), and shall request operation of the customer's generator within a power factor range that is no stricter than: (1) the customer's power factor range obligation as specified in a contractual agreement (if any); (2) the minimum power factor range specified by the applicable CAISO tariff; or (3) the customer specified generator equipment limits.

Notwithstanding any other provision of this Special Condition 2, a valid PG&E switching center voltage order request shall ordinarily allow operation of the customer's generator within a power factor range that does not require the generator to reduce its MW output in order to comply with such request, with exceptions only to occur on an emergency basis, such as an unexpected loss of a major transmission line or large generation facility, or under extreme weather and/or system peak load conditions. No such exceptional voltage order request need be treated as valid if compliance with such a request would conflict with any protections that might be afforded to the customer's load in those instances where a valid Essential Use Customer designation applies to the load at the site. (N)

(Continued)

ELECTRIC SCHEDULE SB Sheet 11 (N)
STANDBY SERVICE (N)
(N)

SPECIAL CONDITIONS: (Cont'd.)

3. **REDUCED CUSTOMER CHARGE:** Standby customers may qualify for a reduced Customer Charge. The following daily Customer Charges apply to customers who pay special facilities charges pursuant to Rule 21 for all of the interconnection facilities in place for PG&E to provide service to them: (N)

	Charge/Day
Small Light and Power (Reservation Capacity ≤ 75 kW)	
Singlephase	$0.32854
Polyphase	$0.39359
Medium Light and Power (Reservation Capacity > 75 kW and < 500 kW)	
Primary	$4.59959
Secondary	$1.23433
Medium Light and Power (Reservation Capacity ≥ 500 kW and < 1000 kW)	
Primary	$11.72698
Secondary	$7.91556
Transmission	$18.68945
Large Light and Power (Reservation Capacity ≥ 1000 kW)	
Primary	$14.01462
Secondary	$10.75515
Transmission	$24.52271

4. **PARALLEL OPERATION:** Any customer may operate its generating plant in parallel with PG&E's system if the customer's plant is constructed and operated in accordance with Rule 21. However, a customer who operates its plant in parallel must assume responsibility for protecting PG&E and other parties from damage resulting from negligent operation of the customer's facilities. Customers may be required to meet requirements imposed by other governing entities having jurisdiction over PG&E's transmission lines including the ISO and the Western Systems Coordinating Council. The customer shall provide, own, install, and maintain all facilities necessary to accommodate any metering equipment specified by PG&E. Meters shall not allow reverse registration except as allowed under PG&E's net energy metering schedules.

5. **CONTRACT:** This schedule is applicable only on a one-year contract (Form No. 79-285). Once the initial one-year term is over, the contract will automatically continue in effect for successive terms of one year each until it is cancelled. Either party may cancel the contract by giving written notice not less than 30 days prior to the end of the current term. If the customer at any time increases the capacity of a load connected to its plant (or other source), the customer shall promptly notify PG&E. Any revision to the Reservation Capacity shall then be redetermined to be applicable beginning in the month in which such increase occurs.

6. **LIMITATION ON RESERVATION CAPACITY SERVED:** Standby service to new or increased loads is limited to PG&E's ability to serve such loads without jeopardizing service to existing customers on rate schedules for firm service, including standby service. If standby service to any load or combination of loads is refused by PG&E, PG&E shall notify the California Public Utilities Commission (Commission) in writing. Standby service will require a special contract which shall be subject to approval of the Commission in the following cases:

   a. Reservation Capacity exceeds 100,000 Kw per account;

   b. The combined Reservation Capacity for two or more customers whose other power source is a single, nonutility plant, exceeds 100,000 Kw; and

   c. The service is of an unusual character, as determined by PG&E (N)

(Continued)

ELECTRIC SCHEDULE SB Sheet 12 (N)
STANDBY SERVICE (N)
(N)

SPECIAL CONDITIONS: (Cont'd.)

7. **SUPPLEMENTAL STANDBY SERVICE (BACKUP REQUIREMENTS):** (N)

a. Schedule B-19 and Schedule B-20 customers whose nonutility source of generation does not regularly supply all the power necessary at their premises may elect to receive the back-up portion of their total service requirement under Schedule SB if the appropriate metering is installed to separately record the net on-site generation and the on-site load. If the customer elects instead to receive all of their service under Schedule B-19 or B-20, however, Special Conditions 1 through 6 of this Schedule will apply to the back-up portion of their load, with a Reservation capacity as determined in accordance with Special Condition 1 of this tariff.

b. Supplemental standby service requires the installation of a load profile recorder. PG&E will install load profile recorders, subject to meter availability. The customer shall provide, install, own, and maintain all facilities necessary to accommodate metering equipment specified by PG&E. An additional charge applies for Supplemental Standby Service. A Supplemental Standby Service Meter Charge will be added to the standby customer's bill in addition to the TOU Energy Charges for back-up requirements, specified in the Rates Section. Supplemental standby service customers will also pay the appropriate rate Schedule B-19 or B-20 charges, including the Customer Charge, for their supplemental power use.

c. Back-up requirements are the portion of the customer's maximum demand and energy usage in any billing month caused by the nonoperation of the customer's alternative source of power. The customer's Reservation Capacity shall be determined in accordance with Special Condition 1 of this tariff.

The customer's metered reactive power usage will be prorated for the purpose of assigning such usage separately to the customer's bills for backup power and for supplemental power. The Reactive Demand Charge (see Special Condition 2) will be calculated by multiplying the customer's maximum measured reactive demand by the ratio of the current Reservation Capacity and the customer's maximum total kW of backup and supplemental load.

8. **EXTENDED OUTAGES:** If a customer's generation equipment or alternative supply source is subject to an extended outage, and this outage is expected to persist for at least one complete regular billing cycle, the customer may request alternate billing under the terms of that otherwise-applicable, demand-metered regular service tariff indicated by the customer's current reservation capacity, by providing formal written notification to PG&E. Billing under the indicated otherwise-applicable schedule would begin with the customer's first regular meter read date after the beginning of the outage. After PG&E is notified that the generation equipment has been returned to service, billing under Schedule SB will resume as of the last regular meter read date that has preceded resolution of the outage. In the interim, reservation charges as specified under Section 1 of this tariff would not continue to apply to the customer's bill for the duration of the outage. However, all charges from the indicated otherwise-applicable tariff will apply.

(Continued)

ELECTRIC SCHEDULE SB Sheet 13 (N)
STANDBY SERVICE (N)
(N)

SPECIAL CONDITIONS: (Cont'd.)

9. **NON-TIME-OF-USE METERING:** In those cases where PG&E deems it is not cost-effective to install a time-of-use (TOU) meter, PG&E will estimate the customer's kWh usage for each TOU period, and apply all TOU charges to the estimated kWh usage by TOU period. PG&E will estimate the customer's total kWh usage in the billing period to kWh usage within each TOU period based on a percentage breakdown using the ratio of the number of hours in each TOU period to total hours in the billing period. (N)

10. **DISTRIBUTED ENERGY RESOURCES EXEMPTION:** Public Utilities (PU) Code Sections 353.1, 353.2 and 353.3, provide for certain exemptions of standby reservation charges for qualifying "distributed energy resources." Customers qualifying for an exemption from standby charges under PU Code Sections 353.1 and 353.3, as described above, must take service on a TOU schedule in order to receive this exemption until a real-time pricing program, as described in PU Code Section 353.3, is made available. Once available, customers qualifying for the distributed energy resources exemption must participate in the real-time program referred to above. Qualification for and receipt of this distributed energy resources exemption does not exempt the customer from metering charges applicable to TOU and real-time pricing, or exempt the customer from reasonable interconnection charges, non-bypassable charges as required in Preliminary Statement BB - *Competition Transition Charge Responsibility for All Customers and CTC Procurement*, or obligations determined by the Commission to result from participation in the purchase of power through the California Department of Water Resources, as provided in PU Code Section 353.7.

    See electric Rule 1 for the criteria to be considered a Distributed Energy Resources and for limitations on this standby service exemption.

11. **MULTIPLE TECHNOLOGIES:** Customers with generating facilities that are comprised of multiple generating units that apply different technologies, and with at least one generating unit that qualifies for a PG&E net energy metering tariff, and where all of the generating units are served through the same Point of Common Coupling as defined in PG&E's Rule 21, may be eligible for standby exemption for a portion of their standby requirement. Such exemption will be granted only for the duration allowed by the applicable tariff schedule and in accordance with the California Public Utilities Code. The customer will be billed under its otherwise-applicable rate schedule, and Special Conditions 1 through 7 of this Schedule SB will not apply to the eligible generating portion qualifying for standby exemption. For the generating portion not qualifying for standby exemption, Special Conditions 1 through 7 of Schedule SB will apply. The Standby reservation capacity will be set at a level not to exceed the nominal rated capacity of the non-eligible generating unit(s). Qualification for and receipt of this exemption does not exempt customers with multiple technologies from metering charges applicable to TOU and real-time pricing, or exempt the customer from reasonable interconnection charges, non-bypassable charges and other applicable tariff obligations. (N)

(Continued)

ELECTRIC SCHEDULE SB Sheet 14 (N)
STANDBY SERVICE (N)
(N)

SPECIAL CONDITIONS: (Cont'd.)

12. **BILLING:** A customer's bill is calculated based on the option applicable to the customer. (N)

Bundled Service Customers receive supply and delivery service solely from PG&E. The customer's bill is based on the Total Rates and Conditions set forth in this schedule.

Transitional Bundled Service Customers take transitional bundled service as prescribed in Rules 22.1 and 23.1, or take bundled service prior to the end of the six (6) month advance notice period required to elect bundled portfolio service as prescribed in Rules 22.1 and 23.1. These customers shall pay charges for transmission, transmission rate adjustments, reliability services, distribution, nuclear decommissioning, public purpose programs, New System Generation Charges, the applicable Cost Responsibility Surcharge (CRS) pursuant to Schedule DA CRS or Schedule CCA CRS, and short-term commodity prices as set forth in Schedule TBCC.

Direct Access (DA) and Community Choice Aggregation (CCA) Customers purchase energy from their non-utility provider and continue receiving delivery services from PG&E. Bills are equal to the sum of charges for transmission, transmission rate adjustments, reliability services, distribution, public purpose programs, nuclear decommissioning, New System Generation Charges, the franchise fee surcharge, and the applicable CRS. The CRS is equal to the sum of the individual charges set forth below. Exemptions to the CRS are set forth in Schedules DA CRS and CCA CRS.

	DA / CCA CRS
Energy Cost Recovery Amount Charge (per kWh)	($0.00057)
DWR Bond Charge (per kWh)	$0.00503
CTC Charge (per kWh)	$0.00079
Power Charge Indifference Adjustment (per kWh)	
2009 Vintage	$0.01647
2010 Vintage	$0.01893
2011 Vintage	$0.01966
2012 Vintage	$0.02046
2013 Vintage	$0.02059
2014 Vintage	$0.02061
2015 Vintage	$0.02064
2016 Vintage	$0.02054
2017 Vintage	$0.02058
2018 Vintage	$0.02064
2019 Vintage	$0.02160

13. **DWR BOND CHARGE:** The Department of Water Resources (DWR) Bond Charge was imposed by California Public Utilities Commission Decision 02-10-063, as modified by Decision 02-12-082, and is property of DWR for all purposes under California law. The Bond Charge applies to all retail sales, excluding CARE and Medical Baseline sales. The DWR Bond Charge (where applicable) is included in customers' total billed amounts. (N)

(Continued)

ELECTRIC SCHEDULE SB Sheet 15 (N)
STANDBY SERVICE (N)
(N)

SPECIAL CONDITIONS: (Cont'd.)

14. **SCHEDULED MAINTENANCE:** Customers may be allowed to place maintenance load on the distribution system during mutually agreed times (Scheduled Maintenance). Maintenance load is defined as a customer's load that would have otherwise been served by the DG that is down for maintenance. Customers shall provide four (4) days notice prior to PG&E determining whether and when Scheduled Maintenance is available ("Request"). For each Request, customers shall pay PG&E, at the time of such notification, for its expenses related to the scheduling and any necessary rearrangement of its facilities to accommodate Scheduled Maintenance. (N)

15. **STANDBY SERVICE FOR STATION LOAD SELF-SUPPLY:** Standby Service for Station Load Self-Supply permits customers operating an On-Site Self-Supply generating unit under the CAISO tariff, Station Power Protocol (SPP) subject to the conditions described below, to determine if transmission charges apply based on the CAISO meter registration in a calendar month. All other charges apply, including distribution charges, meter charges, applicable non-bypassable charges, and assessments. (See defined terms at the end of this special condition.) This Special Condition 15 does not apply to and does not modify other tariff charges or conditions on permitted netting as defined by CAISO, Federal Energy Regulatory Commission (FERC) Electric Tariff, Replacement Vol. No. 1, Section 10.1.3 (as amended from time to time).

    a. **Eligibility:** To be eligible for this Special Condition, a generating unit supplying Station Power must be:

        i. On-Site Self-Supply Only: Remote-Self-Supply and Third Party are not applicable; and

        ii. located in the CAISO control area, and

        iii. a part of a CAISO-approved Station Power Portfolio.

    b. **Charges:** If a generating unit in the station power portfolio requires the use of the CAISO-controlled transmission facilities and/or PG&E's distribution facilities, it will be subject to all applicable retail standby charges. Generating units that do not use either the CAISO-controlled transmission facilities and/or PG&E's facilities will be subject to all applicable retail charges (except for the Transmission Access Charge (TAC)) if, in a calendar month, deliveries to the grid exceed station power usage. (N)

(Continued)

ELECTRIC SCHEDULE SB Sheet 16 (N)
STANDBY SERVICE (N)
(N)

SPECIAL CONDITIONS: (Cont'd.)

15. STANDBY SERVICE FOR STATION LOAD SELF-SUPPLY (Cont'd) (N)

c. **Agreement:** Customers participating in the CAISO SPP must sign PG&E's Special Agreement for Electrical Standby Service for Station Self-Supply (Form 79-285).

d. **Commencement of Rate**: Customers requesting service under SPP are required to notify PG&E of their eligibility for this service by submitting the above agreement. Eligible customers shall be billed under this Special Condition 15 after written receipt and approval of the customer's SPP agreement, or on the date of verification by PG&E of customer's eligibility under the SPP.

e. **Eligibility Change Notice**: It is the customer's responsibility to notify PG&E if there is a change in the customer's eligibility status. The customer must notify PG&E within ten (10) business days from the date that there is any change in the customer's eligibility under Schedule SB, Special Condition 15. Customers shall be re-billed during periods of ineligibility under the provisions of retail standby service under Schedule SB.

f. Verification: Information provided by the customer is subject to verification by PG&E. Refusal or failure of a customer to provide eligibility information upon request by PG&E in the form of written approval or certification by the CAISO shall delay the provisions of service under Special Condition 15.

g. **Billing:** All customer usage will be based on metered data in a Netting Period.

Meter data allocated to On-Site Self-Supply load ID, Remote Self-Supply load ID, and Third Party Supply load ID, which is used for billing under Special Condition 15.

h. **Metering:** Prior to receiving service under Special Condition 15, the customer shall:

i. Provide, own, install, and maintain all facilities necessary to accommodate any metering equipment specified by PG&E including any additional metering if the customer serves any non-Station Power load, and

ii. Provide consent to enable PG&E to receive the customer's metered data from the CAISO and shall be in acceptable format for billing under this Schedule. (N)

(Continued)

ELECTRIC SCHEDULE SB Sheet 17 (N)
STANDBY SERVICE (N)
(N)

SPECIAL CONDITIONS: (Cont'd.)

15. STANDBY SERVICE FOR STATION LOAD SELF-SUPPLY (Cont'd) (N)

i. **Charges Subject to Change:** The charges applicable to CAISO SPP-certified generators are subject to change as directed by CAISO/FERC orders.

j. **Definitions:**

Net Output: The gross energy output from a generating unit less the Station Power requirements for such generating unit during the Netting Period, or the energy available to provide Remote Self-Supply from a generating facility in another control area during the monthly Netting Period.

Net Negative Output: The Net Output over the netting period is negative, that is, over the netting period either On-Site Self-Supply, or Remote Self-Supply provides less than all (<100%) of the customer's Station Power requiring it to draw on Third Party Supply.

Net Positive Output: The Net Output over the netting period is positive, that is, over the netting period the customer relies only on either On-Site Self-Supplies, or Remote Self-Supplies for all (100%) of its Station Power.

Netting Period: A calendar month representing the interval over which the Net Output of one or many generating resources in a Station Power Portfolio is available to be attributed to the self-supply of the Station Power in that Station Power Portfolio.

Station Power: Energy for operating electric equipment, or portions thereof, located on the generating unit site owned by the same entity that owns the generating unit, which electrical equipment is used exclusively for the production of energy and any useful thermal energy associated with the production of energy by the generating unit; and for the incidental heating, lighting, air conditioning and office equipment needs of buildings, or portions thereof that are owned by the same entity that owns the generating unit; located on the generating unit site; and used exclusively in connection with the production of energy and any useful thermal energy associated with the production of energy by the generating unit. Station Power includes the energy associated with motoring a hydroelectric generating unit to keep the unit synchronized at zero real power output to provide regulation or spinning reserve. Station Power does not include any energy used to power synchronous condensers; used for pumping at a pumped storage facility; or provided during a black start procedure. Station Power does not include energy used to serve loads outside the CAISO-controlled grid.

Station Power Portfolio: One or more generation resources eligible to self-supply Station Power, including generating units in the CAISO control area and generating facilities outside of the CAISO control area, all of which are owned by the same entity. (N)

(Continued)

ELECTRIC RULE NO. 1
DEFINITIONS

BEHIND-THE-METER SOLAR TOU PERIOD GRANDFATHERING ELIGIBILITY REQUIREMENTS: (Cont'd)

E. Eligible System

An Eligible System is a solar (PV) generating facility:

(1) That serves customer load behind-the-same meter as the generating facility. Such Generating Facilities may be taking service on Rate schedules NEM, NEM2, NEMV, NEM2V, NEMVMASH, NEM2VMSH, E-REMAT, RES-BCT, the RAM program, or interconnected under Electric Rule 21 as non-export or uncompensated export; and

for which an Initial interconnection application was received by PG&E

(a) No later than January 31, 2017; or

(b) (for Public Agencies), no later than December 31st, 2017. (Public agency is defined here as public schools, colleges and universities; federal, state, county and city government agencies; municipal utilities; public water and/or sanitation agencies;and joint powers authorities).

(2) For which PG&E has received evidence of the customer's final inspection clearance from the governmental authority; and

(3) If the interconnection application was received by PG&E between January 23, 2017 and December 31, 2017, the generating facility must be designed to offset at least 15%[1] of the customer's current load, in a manner with consistent with the Option R requirements in Rate Schedule E19, Special Condition 19. This requirement must be met at the time the Initial Application is filed and PG&E reserves the right to verify this requirement. This requirement will not be retroactively applied to systems where an application to interconnect was received by PG&E prior to January 23, 2017.[2] (T)

For the purposes of TOU Period Grandfathering, Permission to Operate (PTO) refers to the original permission to operate date as issued by PG&E for the Eligible System. Any subsequent requests to modify that previously approved system do not restart the Transition Mitigation Period once the new PTO is issued nor can any changes alter its original TOU grandfathering eligibility.

[1] For tracking systems, PG&E agrees to use a 21% capacity factor for a single tracker, or 24% for a dual tracker, instead of the 18% in the Option R calculation in E-20 Special Condition 17, Footnote 1. (T)

[2] PG&E will not apply the 15% load requirement to systems with PTO prior to January 23, 2017, the date of (D.) 17-01-006. The intent of the 15% load requirement was to eliminate the potential for applications submitted after the CPUC's decision was issued on January 23, 2017 seeking to "lock in" a legacy TOU period by installing only a token amount of on-site solar generation.

(Continued)

ELECTRIC RULE NO. 1
DEFINITIONS

SCHEDULED METER READING DATE: The date PG&E has scheduled a Customer's meter to be read for the purposes of ending the current billing cycle and beginning a new one. PG&E's meter reading schedule is published annually, but is subject to periodic change.

SCHEDULING COORDINATOR: An entity meeting requirements as set forth by the Commission, FERC, and these tariffs.

SERVICE ACCOUNT: Same as "Account."

SINGLE-CUSTOMER SUBSTATION: A substation owned by PG&E and dedicated to serve a specific customer. Substations transform electricity from transmission to distribution voltage.

SMALL BUSINESS CUSTOMER: A non-residential Customer who: (1) has a maximum billing demand of 20 kW, or less, per meter during the most recent 12 month period, or (2) has an annual usage of 40,000 kWh, or less, during the most recent 12 month period, or (3) meets the definition of a "micro-business" under California Government Code 14837. This definition does not include non-residential Customers who are on a fixed usage or unmetered usage rate schedule.

SMALL BUSINESS CUSTOMER – CALIFORNIA CLIMATE CREDIT: For purposes of receiving the California Climate Credit from the State of California, pursuant to Decision (D.) 12-12-033 and D.13-12-002, customers are designated as Small Business Customers and are eligible to receive the California Climate Credit if they are a non-residential customer receiving service under a General Service or Agricultural Pumping rate schedule with an electric billing demand that does not exceed 20 kW in more than three months in the previous twelve-month period. For customers that lack twelve months of billing history, Small Business Customer eligibility is based on the customer's available historic usage. Customers who meet the eligibility criteria for Small Business Customers but who are designated as Emissions-Intensive and Trade-Exposed (EITE) receive the EITE credit only.

SMALL CUSTOMER: Customers on demand-metered schedules (A-10/B-10 and (T)
E-19V/B-19V), with less than 20 kW maximum billing demand per meter for at least 9 (T)
billing periods during the most recent 12 month period; or (2) any customer on a non-
demand metered schedule (A-1/B-1 and A-6/B-6); or (3) any customer on a residential (T)
rate schedule.

(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, EL-TOU, EV, A1, A-6, B-1 and B-6 and wish to minimize variations in monthly bills, may elect to participate in the Budget Billing. 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.

(Continued)

Attachment 2

Redline Tariffs

Redline Forms

Pacific Gas and Electric Company

DISTRIBUTION:

☐ XXXX
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☐ _____

REFERENCE:

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INTERCONNECTION AGREEMENT FOR NET ENERGY METERING OF FUEL CELL GENERATING FACILITIES

This *"Interconnection Agreement for Net Energy Metering of Fuel Cell Generating Facilities"* ("Agreement") is entered into by and between _____ ("Fuel Cell Customer-Generator"), and Pacific Gas and Electric Company ("PG&E"), a California Corporation. Fuel Cell 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 Fuel Cell Customer-Generator to interconnect and operate an Eligible Fuel Cell Electrical 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 Fuel Cell Customer-Generator's Generating Facility. Fuel Cell Customer-Generator's Generating Facility is intended primarily to offset part or all of the Fuel Cell Customer-Generator's own electrical requirements. Consistent with, and in order to effectuate, the provisions of Section 2827.10 of the California Public Utilities Code and PG&E's electric rate Schedule NEMFC ("NEMFC"), Parties enter into this Agreement. This Agreement applies to the Fuel Cell 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 FUEL CELL 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 Fuel Cell Customer-Generator's Eligible Fuel Cell Electrical Generating Facility and loads are interconnected with PG&E's Distribution System, are attached to, and made a part of this Agreement. (This description is supplied by Fuel Cell Customer-Generator as Appendix A).

2.2 Generating Facility identification number: _____ (Assigned by PG&E).

2.3 Fuel Cell 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 Eligible Fuel Cell Electrical 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 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.

2.9 Fuel Cell 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 that are specifically incorporated herein and made a part of this Agreement.

Appendix A *Description of Generating Facility and Single-Line Diagram* (Supplied by Fuel Cell Customer-Generator)

Appendix B 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 C *Fuel Cell Customer-Generator's warranty that it meets the Requirements of an Eligible Fuel Cell Customer-Generator.*

Appendix D *NEMFC Customer Agreement Starting January 1, 2017 Until California Air Resources Board Emission Standard is Established.*

In addition PG&E Electric Tariff Rules and Rates, including but not limited to Electric Rules 2, 14, 15, 16, and 21, Schedule NEMFC and Fuel Cell Customer-Generator's otherwise applicable rate schedule, available at PG&E's web-site 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 Rule 21, Section C, or in Schedule NEMFC.

4. CUSTOMER BILLING AND PAYMENT OPTIONS

Fuel Cell Customer-Generator initially selects PG&E's electric rate schedule referenced in Section 2.9 of this Agreement as its otherwise-applicable rate schedule. Fuel Cell Customer-Generator understands that they will be billed according to Schedule NEMFC.

5. TERM AND TERMINATION

5.1 This Agreement shall become effective as of the last date entered in Section 18, below, which shall be no later than December 31, 2013. 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 Fuel Cell Customer-Generator'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 Fuel Cell Customer-Generator or PG&E provides written Notice pursuant to Section 11 below to the other Party of Fuel Cell Customer-Generator's or PG&E's intent to terminate this Agreement.

(d) The end of the operating life of the eligible fuel cell electrical generating facility.

5.2 Fuel Cell 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, 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) Fuel Cell Customer-Generator fails to take all corrective actions specified in PG&E's Notice that Fuel Cell 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) Fuel Cell Customer-Generator fails to interconnect and operate the Generating Facility per the terms of this Agreement prior to December 31, 2021; or,

(d) Fuel Cell 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 non-operational and Fuel Cell Customer-Generator does not provide a substantive response to PG&E's Notice of its intent to terminate this Agreement as a result of Fuel Cell Customer-Generator's apparent abandonment of the Generating Facility affirming Fuel Cell Customer-Generator's intent and ability to continue to operate the Generating Facility; or,

(e) Fuel Cell Customer-Generators 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 Fuel Cell Customer-Generator's 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 Public Utilities Commission regarding safety and reliability.

6.2 Fuel Cell Customer-Generator shall: (a) maintain the 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 Facility and interconnection facilities. Fuel Cell Customer-Generator shall reimburse PG&E for any and all losses, damages, claims, penalties, or liability it incurs as a result of Fuel Cell Customer-Generator's failure to obtain or maintain any governmental authorizations and permits required for construction and operation of Fuel Cell Customer-Generator's Facility.

6.3 Fuel Cell Customer-Generator shall not commence parallel operation of the Facility until PG&E has provided written approval to the Fuel Cell Customer-Generator to do so. No such approval shall be provided until at least ten (10) working days following the utility's receipt of the inspection clearance of the governmental authority having jurisdiction. Such approval shall not be unreasonably withheld. PG&E shall have the right to have representatives present at the initial testing of Fuel Cell Customer-Generator's protective apparatus. Fuel Cell Customer-Generator shall notify the utility five (5) working days prior to the initial testing.

6.4 The Fuel Cell Customer-Generator warrants that they are the recipient of local, state, or federal funds; or they self-finance pilot projects designed to encourage the development of eligible Fuel Cell electrical generating facilities.

6.5 The Fuel Cell Customer-Generator warrants that pursuant to section 2827.10 (a)(2), of the California Public Utilities Code, it meets the definition of an "Eligible fuel cell electrical generating facility" and its facility includes the following:

(a) Integrated power plant systems containing a stack, tubular array, or other functionally similar configuration used to electrochemically convert fuel to electric energy.

(b) An inverter and fuel processing system where necessary.

(c) Other plant equipment, including heat recovery equipment, necessary to support the plant's operation or its energy conversion.

6.6 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.)

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[1] 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.

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

7. INTERCONNECTION FACILITIES

7.1 Fuel Cell 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 Fuel Cell Customer-Generator's Generating Facility.

7.2 Fuel Cell Customer-Generator shall be solely responsible for the costs, design, purchase, construction, operation, and maintenance of the Interconnection Facilities that Fuel Cell 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, requires PG&E to own and operate a portion of the Interconnection Facilities, Fuel Cell 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,

[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 Customer-Generator final inspection clearance from the governmental authority having jurisdiction over the generating system.

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 In connection with Customer-Generator's performance of its duties and obligations under this Agreement, Customer-Generator 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.

(e) Such 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."

9.2 The general liability insurance required in this Section 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.

9.3 If Fuel Cell Customer-Generator's Generating Facility is connected to an account receiving residential service from PG&E and the requirement of Section 9.2(a) prevents Fuel Cell Customer-Generator from obtaining the insurance required in this Section, then upon Fuel Cell Customer-Generator's written Notice to PG&E in accordance with Section 11.1, the requirements of Section 9.2(a) shall be waived.

9.4 Evidence of the insurance required in Section 9.2 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.

9.5 Fuel Cell Customer-Generator 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.

9.6 If Fuel Cell Customer-Generator is self-insured with an established record of self-

insurance, Fuel Cell Customer-Generator may comply with the following in lieu of Section 9.2:

(a) Fuel Cell Customer-Generator 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 9.1.

(b) If Fuel Cell Customer-Generator ceases to self-insure to the level required hereunder, or if Fuel Cell Customer-Generator is unable to provide continuing evidence of Fuel Cell Customer-Generator's ability to self-insure, Fuel Cell Customer-Generator agrees to immediately obtain the coverage required under Section 9.1.

9.7 All insurance certificates, statements of self insurance, endorsements, cancellations, terminations, alterations, and material changes of such insurance shall be issued and submitted 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 Fuel Cell Customer-Generator fails to comply with the insurance provisions of this Agreement, Fuel Cell 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 Fuel Cell 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 Fuel Cell 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: Business Customer Services
P.O. Box 770000
Mail Code B19H
San Francisco, California 94177
Phone: (800) 468-4743 FAX: (415) 972-5309

If to Fuel Cell Customer-Generator:

Fuel Cell 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 Fuel Cell Customer-Generator's operations and maintenance records, logs, or other information such as, Generation Unit availability, maintenance outages, circuit breaker operation requiring manual reset, relay targets and unusual events pertaining to Fuel Cell Customer-Generator's Generating Facility or its interconnection with PG&E's Distribution System.

12.2 Fuel Cell Customer-Generator authorizes to release to the California Energy Commission (CEC) information regarding Fuel Cell Customer-Generator'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

Fuel Cell 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 Fuel Cell Customer-Generator makes without PG&E's written consent shall not be valid. PG&E shall not unreasonably withhold its consent to Fuel Cell 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 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.

This agreement is effective when accepted and executed by PG&E.

	PACIFIC GAS AND ELECTRIC COMPANY
Fuel Cell 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 Fuel Cell Customer-Generator)

APPENDIX B

(If Applicable)

RULE 21 “SPECIAL FACILITIES” AGREEMENT
(Formed between the Parties)

APPENDIX C

FUEL CELL CUSTOMER-GENERATOR'S WARRANTY THAT IT MEETS THE REQUIREMENTS FOR AN ELIGIBLE FUEL CELL CUSTOMER-GENERATOR AND THE GENERATING FACILITY IS AN ELIGIBLE FUEL CELL ELECTRICAL GENERATING FACILITY PURSUANT TO SECTION 2827.10 OF THE CALIFORNIA PUBLIC UTILITIES CODE

Fuel Cell Customer-Generator has declared that it meets the requirements for an Eligible Fuel Cell customer-generator and the Generating Facility meets the requirements of an "Eligible Fuel Cell Electrical Generating Facility", as defined section 2827.10 of the California Public Utilities Code. ("Eligibility Requirements")

Fuel Cell Customer-Generator warrants that, beginning on the date of Initial Operation and continuing throughout the term of this Agreement, Fuel Cell Customer-Generator and the Generating Facility shall continue to meet the Eligibility Requirements. If Fuel Cell Customer-Generator or the Generating Facility ceases to meet the Eligibility Requirements, Fuel Cell 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, in its sole discretion, that Fuel Cell Customer-Generator or Generating Facility may no longer meet the Eligibility Requirements, PG&E may require Fuel Cell Customer-Generator to provide evidence, that Fuel Cell 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 Fuel Cell Customer-Generator to monitor the Generating Facility's compliance with the Eligibility Requirements. If PG&E determines in its sole judgment that Fuel Cell 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 Fuel Cell Customer-Generator a gain demonstrates to PG&E's reasonable satisfaction that Fuel Cell Customer-Generator meets the requirements for an Eligible Fuel Cell customer–generator and/or the Generating Facility meets the requirements for a Eligible Fuel Cell 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 Fuel Cell 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 Fuel Cell Customer-Generator and/or Generating Facility first ceased to meet the Eligibility Requirements. PG&E shall invoice the Fuel Cell 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 Fuel Cell Customer-Generator's representations that Fuel Cell 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 NEMFC, Net Energy Metering Service for NEMFC Customer-Generators.

Any amounts to be paid or refunded by Fuel Cell 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 Fuel Cell Customer-Generator's receipt of such invoice.

Fuel Cell Customer-Generator's Initials _____

INTERCONNECTION AGREEMENT FOR NET ENERGY METERING OF QUALIFYING FUEL CELL GENERATING FACILITIES

APPENDIX D

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 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)*

RATE SCHEDULE SELECTION
CUSTOMER AGREEMENT

I wish to be billed under the optional rate schedule(s) as listed. I agree to the terms and conditions as described in the rate schedule tariff and as follows:

- I hereby grant to PG&E, its employees, agents or contractors, reasonable access at reasonable times to install, remove, repair and inspect the metering equipment.
- I understand that I can only change my rate schedule in accordance with Electric Rule 12.
- The chosen rate schedule will commence on the next regular meter reading date or meter installation or reprogramming date following PG&E's receipt of Rate Schedule Selection Customer Agreement.

STEP 1: SELECT YOUR DESIRED RATE SCHEDULE

Please provide information for each Service Agreement and meter for which you are seeking a rate change (see sample on page 2 for assistance). Descriptions of rate options and tariffs can be found at www.pge.com/rateoptions and www.pge.com/tariffs. Information about rate options and copies of rate schedule tariffs are also available upon request by calling 1-800-743-5000.

Rate Selection

- For Gas Rate Selection Complete Shaded Area Only
- For Electric Rate Selection Complete All Applicable Area

						Peak Day Pricing (PDP) Program Options			
				AG Only		Select Capacity Reservation Level		Select Event Frequency	
Service Agreement (Service ID#)	Meter #	Desired Rate	Business Description	Single Motor HP	Multi-Motor HP	Elect kW Value	Default	Unlimited	Alternate

STEP 2: SIGN BELOW AND PROVIDE REQUIRED CONTACT INFORMATION

I am requesting the above rate schedule selection(s) and agree to the terms and conditions as outlined in Page 1 of this agreement and in the tariffs.

Customer or Authorized Agent:

(Signature)	(Telephone Number)
(Print Name)	(Name on Account)
(Title)	(Mailing Street Address)
(Date)	(Mailing City, State, ZIP)

STEP 3: MAIL COMPLETED FORM TO PG&E

Please return signed form to: Pacific Gas And Electric Company, PO Box 8329, Stockton CA 95208-0329

Pacific Gas and Electric Company

RATE SCHEDULE SELECTION CUSTOMER AGREEMENT

SAMPLE RATE SELECTION – FOR REFERENCE ONLY

- For Gas Rate Selection Complete Shaded Area Only
- For Electric Rate Selection Complete All Applicable Area

						Peak Day Pricing (PDP) Program Options			
				AG Only[3]		Select Capacity Reservation Level[4]		Select Event Frequency[5]	
Service Agreement (Service ID#)	Meter #	Desired Rate	Business Description[2]	Single Motor HP	Multi-Motor HP	Elect kW Value	Default	Unlimited	Alternate
1234567890	1001234567	~~A10TOU~~ B-10	Title Office						
0987654321	1001234568	~~A1 TOU~~B-1	Retail Furniture Store					X	
4567891234	1001567890	AG 4A	Irrigation Field Pump	10					
7890123456	1002345678	GNR-1[1]	House Meter –Swimming Pool						

Notes:

1. For Gas Rate Selection complete first four columns only (Service Agreement, Meter #, Desired Rate & Business Description).

2. Describe what each meter serves (e.g., Pasture Flood Irrigation, Retail Clothing Store, House).

3. Agricultural (AG) Rates Schedules only
   a. For single motor installations, list the horsepower rating of the motor associated with the meter
   b. For multi-motor loads, list the total horsepower rating of all of the motors associated with the meter.

4. Capacity Reservation Level: Level of capacity (kW) excluded from PDP participation.
   ~~a. Does not apply to Schedules A-1TOU (A-1X), A-6, A-10TOU, or AG-4.~~
   ~~b.~~a. ~~Choices for~~ Schedules E-19, E-20, and AG-5: Customer Defined or Default (equal to 50% of the customer's average maximum peak-period demand over the previous 6 summer months).

5. Event Frequency: Frequency of participation in an event.
   a. ~~Choices for~~ Applies only to Schedules A-1TOU (A-1X), A-6, A-10TOU & AG-4: Unlimited (every event) or Alternate (every other event)
   b. ~~Choices for~~ Applies only to Schedules E-19, E-20 & AG-5: Unlimited only.

6. 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.

Pacific Gas and Electric Company

DISTRIBUTION

- ☐ Customer
- ☐ Division,
- ☐ Records Processing (Original)

REFERENCES

PM#:_____

BD#:_____

SA#:_____

AGREEMENT FOR UNMETERED LOW WATTAGE EQUIPMENT CONNECTED TO CUSTOMER-OWNED STREET LIGHT FACILITIES

This Agreement for Unmetered Low Wattage Equipment Connected to Customer-Owned Street Light Facilities ("Agreement") between (the "Customer") and Pacific Gas and Electric Company (the "Company") is to establish and govern the provisions of unmetered electric service provided by the Company for such low wattage equipment described in the Attachment A to this Agreement.

A. WHEREAS, such low wattage equipment will be owned operated and/or maintained either by Customer or by a third party acting on Customer's behalf or by third party having a business relationship with the Customer; and

B. WHEREAS, Customer intends to attach and energize such equipment to Customer-Owned street light facilities at various locations in its jurisdiction and within the Company's service territory, with the exception of Series street light circuits served above 480 volts; and

C. WHEREAS, in the Company's opinion, it would be impractical to install electric meters at the requested locations and for such equipment installed subject to this Agreement; and

D. WHEREAS, the consumption of electricity at such locations and for such equipment can be reasonably determined from Manufacturer's specifications and operating characteristics of the Customer where the load is 24 hour constant and of one hundred fifty (150) watts or less rated or average consumption on any one street light circuit; and

E. WHEREAS, pursuant to the Company's Electric Preliminary Statement Part A.6.a, Customer and the Company agree that, in lieu of installing meters at each location, the Company shall provide unmetered electric service for Customer's equipment in accordance with the following terms and conditions.

NOW, THEREFORE, in consideration of the terms, and covenants contained herein, Customer and Company hereby agree as follows:

1. Customer's use of the street light facilities and the equipment that is the subject of this Agreement are identified in the data sheets set forth in Attachment A (the "Equipment"). The Equipment will be installed by Customer on Customer-owned street light facilities with an energy connection on the Customer-owned street light or circuit wire. Each location will be grouped in a specific account, separate from the street light account, identified by either the city or unincorporated county where the Equipment is located for proper billing and accounting. The energy account will be billed on the Company's regular monthly billing cycle for unmetered loads. Billing of fixed usage shall be at the amount indicated in Paragraph 2.

2. Each piece of Equipment will be billed on Schedule A-1 or B-1- Small General Service with an appropriate single customer charge for the grouped account.

   a. Customer shall provide the Company with the Manufacturer's documentation on Equipment rating, documented average consumption and other information necessary to for Company to determine applicability to this Agreement prior to installation of Equipment. Attachment A documents the specific Equipment and the kilowatt hours (kWh) to be billed at each location.

3. The Energy charge is based on the monthly kWh calculated from the documentation provided by the customer based on watt rating, multiplied by 731 hours per month (for 24-hour continuous usage).

4. Pursuant to Section D of the Company's electric Rule 3, Customer shall furnish the Company with information, in a format acceptable to the Company, which verifies the number and location of all Equipment at each service location and reflecting the net result of any installations and removals. The information to be reported is described in Attachment B. The information shall be provided initially ten (10) days after the first month of installations and on the first business day of January, April, July and October thereafter. Each piece of Equipment shall be marked with its own identifying number or code acceptable for input into Company's billing system. Equipment ownership shall be identifiable from the ground for auditing purposes. The Company may require that Customer, at the Customer's sole expense, affix or install a Radio Frequency Identification Device (RFID), specified or provided by the Company, for inventory verification purposes.

5. If it is determined that electrical load is connected that has not been accurately reported to the Company by Customer, such load will be billed in accordance with electric Rules 17, 17.1, and 17.2 as applicable, and Customer shall pay the otherwise full applicable tariff charges for such electrical load, calculated in accordance with Paragraph 3, above. The Company reserves the right to field or bench test Equipment to verify the inputs described in documentation provided in Paragraph 2.a, above.

6. Auditing may be conducted at the Company's sole discretion. Auditing may commence following the first anniversary of the effective date of this Agreement (as defined below). The audit will be conducted by an independent auditor selected by the Company. The cost of the audit shall be at the sole expense of the Customer. Customer will provide a complete and accurate inventory and other information as required in Paragraph 4 and in Attachment B. Customer shall provide access to the Equipment and provide assistance to the Company and its auditor to accomplish the audit, including, without limitation, identifying, locating and accessing the Equipment. The Company shall have the right to collect all costs associated with any additional work, including but not limited to, field verification or auditing of devices, bench testing, field amp reads, calculations of loads not required with meter reads, that would otherwise not be incurred in serving metered facilities.

7. Customer acknowledges that in the event that Customer arranges for a third party to manage the energy bill payment for this Agreement or authorizes the attachment of the Equipment owned or maintained by a third party, Customer remains ultimately responsible for energy payment and other conditions of this Agreement as the owner of the unmetered street light or street light circuit providing power to the unmetered Equipment connected under this Agreement. The absence of a meter does not relieve this responsibility for energy connections on the Customer's unmetered street light or street light circuit. In addition, Customer acknowledges that any interruptions in service caused by operation of the Customer's street light or street light circuit are not the responsibility of the Company. Under the Company's Approved Tariffs, Company is responsible up to the Service Delivery point for the Customer's street light system.

8. Neither this Agreement nor conditions of electric service hereunder shall constitute permission or authorization for any use or occupation of the Company's facilities or facilities of any third party by Customer.

9. Except as specifically provided otherwise herein, service furnished in accordance with this Agreement shall be subject to Company's applicable tariffs on file with the California Public Utilities Commission ("Commission"). This Agreement shall at times be subject to changes or modification by the Commission as said Commission may, from time, to time direct in the exercise of its jurisdiction.

10. The Equipment subject to this Agreement shall be installed, maintained and operated at all times in accordance with all applicable laws, rules and regulations of any governmental authority with jurisdiction, including Commission's General Order 95 (collectively "Laws"). Customer shall be responsible to correct all identified violations of Laws and all identified deviations from Company design standards or requirements. Where the Company makes corrections, Customer shall be responsible for all costs for the Company to remedy any notices of violation or infractions imposed on the Company as a result of the Customer's installation or operation of the Equipment, including, without limitation, any infractions under the Commission's General Order 95. Except when otherwise required by the Laws or in the event that the Company determines that the violation, deviation or infraction caused by the Equipment poses a threat to the public or utility worker(s) or that the installed Equipment adversely impacts service reliability, asset life or the safe operation of Company facilities, prior to the Company remedying such violation, deviation or infraction, the Company will give the Customer written notice and the opportunity to remedy the same. If the Customer fails to correct the violation, deviation or infraction within thirty (30) days of such notice, the Company may, but shall not be obligated to, remedy such violation, deviation or infraction.

11. Where the Company determines that the Equipment loads require changes to Company's serving facilities, or where rearrangements are required as a result of the added loads, all such modifications must be performed prior to connection of the Equipment and Customer shall be responsible for all costs associated with the work. Customer shall be financially responsible for any damage to Company facilities resulting from Equipment loads added prior to completion of any required work. Either the Company or Customer may determine that facility modifications are not practical or cost effective for specific locations, in which case service will be provided under Company's approved Tariffs and either an Agreement for Unmetered Electrical Service, form 79-972, or metering may be required.

12. This Agreement shall remain in effect until terminated. This Agreement may be terminated upon forty-five (45) days prior written notice: a) by either party, which shall result in termination of service; or b) by Company upon Customer's default of any of the stated terms, agreements, covenants, conditions and provisions of this Agreement or non-conformance with Company's other applicable tariffs. Any notice for termination of this Agreement for default shall specify the nature of the default. Customer may utilize the forty-five (45) days from issuance of such notice to cure the specified default (or in the event of a default which requires in excess of forty-five (45) days to cure, such additional time as is approved in writing by the Company). Timely cure of a specified default will avoid termination for that default. Customer expressly acknowledges that the Company shall not be liable for any costs, expenses, damages, claims or the like caused by or arising out of the Company's termination of this Agreement, including but not limited to any rearrangement, relocation, removal or disconnection expenses. Company may continue to provide service to Customer's Equipment provided that a) a subsequent executed superseding agreement governing the terms of unmetered service has gone into effect prior to the termination of this Agreement; or b) a meter has been installed and the service has been transferred to metered status

13. The Company may at a later date, upon ninety (90) days prior written notice, require metering of new, existing, additional, rearranged or relocated equipment that would otherwise register on its metering devices with then available practical technology, and decline to provide or continue providing unmetered service.

14. Nothing in this Agreement shall preclude the Company from requesting authority from the Commission to implement an electric tariff for unmetered service. If an unmetered electric service tariff is approved for the Company, it shall apply to Customer's installations under this Agreement.

15. The Company is authorized to modify the form of Attachment A and B at its sole discretion and at any time require additional reasonable information from Customer for the purpose of this Agreement, including without limitation, accurate data concerning equipment, maintaining accurate records, and promoting accurate and efficient billing.

16. All notices required herein shall be given in writing and delivered personally, by United States Postal Service or other nationally recognized courier service to the appropriate address below. Addresses may be changed by the Company or Customer as business needs change.

Customer:	_____	**Pacific Gas and Electric Company**
Address:	_____	Billing Revenue & Records
	_____	P.O. Box 8239
	_____	Stockton, CA 95208
Attention:	_____	Attn. Unmetered Electric Usage

Customer's bill shall be mailed to the address listed below.

Billing Name: _____

Address: _____

_____

Attention: _____

17. The waiver by either Party of any default in the performance, or failure to insist on strict performance, by the other or any covenant or condition contained herein shall not be construed to be a waiver of any preceding or subsequent default of the same or any other covenant contained herein.

18. Customer may, with the Company's written consent, assign this Agreement if the assignee 1) acquires all of Customer's interest in the Equipment and the associated street light facilities; and 2) agrees in writing to perform Customer's obligations. Such assignment will be deemed to include, unless otherwise specified therein, all of the Customer's rights to any refunds which might become due upon discontinuance of service contracted. Customer remains liable for any charges until such time this Agreement is terminated or assigned.

19. Upon termination of this Agreement, Customer shall promptly remove or disconnect its Equipment from the street light facilities. Should Customer fail to disconnect or remove its Equipment from the streetlight facilities within one hundred and twenty (120) days of the termination date, the Company shall have the right to bill for energy to such Equipment in accordance with electric Rules 17, 17.1, and 17.2 as applicable, and Customer shall pay the standard applicable charges for such electrical load, calculated in accordance with Paragraphs 2 and 3, above. Continued energy use beyond the termination date is a violation of Company's tariffs as approved by the Commission.

20. Customer shall indemnify and hold harmless Company, its officers, agents and employees, against all loss, damage, expense and liability resulting from injury to or death of any person, including but not limited to employees of Company, Customer or any third party, or from loss, destruction or damage to property, including but not limited to property of Company, Customer, or any third party, arising out of or in any way connected with the performance of this Agreement, however caused, except to the extent caused by the active negligence or willful misconduct of Company, its officers, agents and employees. Customer will, on Company's request, defend any suit asserting a claim covered by this indemnity. Customer will pay all costs that may be incurred by Company in enforcing this indemnity, including reasonable attorneys' fees.

21. This Agreement shall supersede existing letters of understanding, agreements and contracts, whether verbal or written, for the provision of unmetered services to the Equipment.

APPROVED:

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

DISTRIBUTION:
- ☐ Customer
- ☐ CRT
- ☐ Divisions
- ☐ GO Svc Planning

Date Of Agreement: _____

Date of this Attachment: _____

ATTACHMENT A
TO AGREEMENT FOR UNMETERED LOW WATTAGE EQUIPMENT CONNECTED TO CUSTOMER- OWNED STREET LIGHT FACILITIES

Applicant: _____
Address: _____
_____

Billing Name: _____
Billing Address: _____
(if different from mailing) _____

Equipment billing information (to be completed by Pacific Gas and Electric Company)

Manufacture/Model or Series: _____

Equipment Type* _____
**Use only one Attachment A per Equipment type*

Basic calculation for monthly kilowatt-hour (kWh) rounded to the nearest whole kWh for billing
((Nominal voltage x Amps) / 1000) x hours of operations

Adjust Amps as needed when Average Documented Consumption is used in place of full rated amps for proper kWh billing

Rate Schedule	**Nominal Volts**	**Amps**	**Operating Hours**	kWh/Month Billing
A-1 or B-1			8760	0

Applicant must provide the following:
- Equipment model, type and unit identification number.
- Input ratings in amps, nominal volts or documented average consumption.

Additional documentation and attachments as required by Pacific Gas and Electric Company:
- Pursuant to paragraphs 2a and 4 of the Agreement, for billing reporting, information required includes, but is not limited to:
  - Equipment location (e.g. Street light number, GPS coordinate or other acceptable identification).
  - Notification of changes in equipment operation and efficiency factors.
  - Notification of tax exemption which apply to the provisions of service under this Agreement.

Provide the following when requesting service through PG&E local office
- A copy of the Agreement and Attachment for Unmetered Services.
- Necessary information to complete a Electric Rule 3 request for service if required.
- Equipment model, type and unit identification number.

CONTRACT FOR CUSTOMER PROVISION OF PHYSICALLY ASSURED LOAD REDUCTION

Pacific Gas and Electric Company hereinafter referred to as "PG&E" and _____, hereinafter referred to as “Customer” (collectively referred to as “Parties” or separately as the "Party").

1. RECITALS

WHEREAS, PG&E and Customer desire to enter into a contract for the provision of electric distribution service wherein the Customer will provide for physically assured load reduction (“Load Reduction”) based on either the availability of the installed capacity (the “Capacity”) of a distributed generation facility (“DG”) at the Customer’s site(s) or by Load Reduction if the full Capacity is unavailable.

NOW, THEREFORE, THE PARTIES AGREE AS FOLLOWS:

2. APPLICABILITY

The rates set forth in this Contract shall apply only to PG&E's electric distribution rates and reservation charges for service to Customer located at _____, City/County of_____. This Contract shall be applicable to those customers that can provide physical assurance for Load Reduction at any time the Customer’s DG is not operating at full Capacity. An equal amount of Customer load to the DG capacity would be interrupted to prevent adverse consequences to the distribution system and to other customers.

3. TERM AND TERMINATION

3.1 Term

The initial term of this Agreement shall be for a period of one (1) year from the date the standby service under this Agreement is first made available to Customer as such date is established in PG&E's records and shall continue thereafter from year to year. This Contract shall become effective on _____; provided, however, the rates set forth in Section 4 hereof shall not be effective until Customer can provide for physically assured load reduction as defined in Section 5.1 hereof.

3.2 Termination

Either party may terminate this Contract at the end of each one (1) year term by providing notice in accordance with Section 11.2. Such notice shall provide PG&E enough time to design and install any necessary distribution system upgrades to accommodate the additional load, and shall be determined on a case-by-case basis depending on current local lead-times. In addition, in accordance with section 6.1 below, either party may terminate this Contract during any year by giving written notice of termination in the event that the other party commits any material default under this Contract which, if capable of being remedied, is not remedied in accordance with the process set out in section 6.1.

3.3 Survival

Sections 6.2, 6.3, 8, 9, 10, 11.2, 11.3, 11.5 and 12 shall survive termination until all obligations set forth in these provisions are satisfied.

4. RATES

4.1 The rates to be applied to Customer's electric load shall be those contained in PG&E's Electric Schedule S or Schedule SB, if applicable, or the otherwise applicable rate schedule for standby customers who take supplemental service, or such superseding Rate Schedules as may from time to time be approved by the California Public Utilities Commission. PG&E shall waive standby reservation and distribution energy (kWh) charges for backup standby service provided under Schedule S or Schedule SB. The standby reservation charge shall be waived for standby customers that take supplemental service from PG&E under the otherwise applicable rate schedule.

4.2 The capitalized terms used in Section 4.1, unless otherwise defined in this Contract, shall have the meanings set forth in PG&E's Rate Schedules referenced in Section 4.1.

5. CUSTOMER'S COVENANTS

5.1 Customer shall install, cause to be installed, or utilize its existing DG with Capacity of _____ kW ("Capacity") that shall be commercially operable by, or on, _____ (the "In-Service Date"). Customer represents that it shall rely upon the DG to meet all, or a portion of, its electric energy requirements in an amount equal to the Capacity after the In-Service Date. For purposes of this Contract, "physically assured load reduction" shall mean the application of devices and equipment that interrupt a Customer's load when the DG does not provide Capacity for any reason, including an Uncontrollable Force.

5.2 If the Capacity is not available for any reason, including an Uncontrollable Force, the Customer agrees that Customer shall automatically drop load in an amount equal to the energy shortfall arising from the DG not operating at full Capacity. Customer shall cause an appropriate amount of Load Reduction to make up the energy shortfall through use of Relay Equipment described in Section 5.3.

5.3 Customer shall own, design, install and operate relay equipment and software on the Customer's side of the meter ("Relay Equipment") that will automatically and instantaneously protect PG&E's distribution system and service to other PG&E customers in the event the DG fails for any reason to perform at its full Capacity. Prior to installation, the design of Relay Equipment shall be submitted to PG&E for review and approval as to its adequacy to protect PG&E's distribution system and maintain the reliability of service to other PG&E customers. Prior to receiving the provisions of this Contract, PG&E shall have physically inspected the installation of Relay Equipment, witnessed its successful operation, and provided written confirmation of its approval prior to Customer commencing operation under this Contract. PG&E shall have the

right to inspect and verify the operation of the Relay Equipment during the term of this contract.

5.4 Review, if any, by PG&E of the design, construction, operation, or maintenance of the DG and Relay Equipment, including modifications thereto, shall not constitute any representation as to the economic or technical feasibility, operational capability, or reliability of such facilities except as to the adequacy of such facilities to protect PG&E's distribution system and maintain the reliability of service to other PG&E customers. Customer shall in no way represent to any third party that any such review by PG&E of such facilities including but not limited to any review of the design, construction, operation, or maintenance of such facilities by PG&E is a representation by PG&E as to the economic or technical feasibility, operational capability, or reliability of such facilities. Customer is solely responsible for economic and technical feasibility, operational capability, and reliability of the DG and the Relay Equipment except as otherwise provided in this Section 5.4.

5.5 Customer shall be responsible for all its costs incurred in meeting its obligations under this Contract.

5.6 Customer shall notify PG&E in advance of its intent to remove Relay Equipment. Such notification shall in accordance with Section 11 of this Contract. The amount of time required prior to Customer's removal of Relay Equipment shall allow PG&E adequate time review and install any necessary distribution facilities to accommodate additional load on its distribution system. Section 6 of this Contract shall apply to those Customers who fail to provide such notice.

5.7 Customer may be allowed to place maintenance load on the distribution system during mutually agreed times (Scheduled Maintenance). Maintenance load is defined as Customer's load that would have otherwise been served by the DG that is down for maintenance. Customer shall provide four (4) days notice prior to PG&E determining whether and when Scheduled Maintenance is available ("Request"). For each Request, Customer agrees to pay PG&E at the time of such notification for its expenses related to the scheduling and any necessary rearrangement of its facilities to accommodate Scheduled Maintenance. Such fee per Request shall be as stated in the PG&E Schedule S or Schedule SB on file with the California Public Utilities Commission at the time the Request is made.

6. DEFAULTS AND REMEDIES

6.1 Termination for Default

If either Party breaches its material obligations under this Contract, such breach shall constitute an event of default. If any Party defaults under this Contract, the other Party may terminate this Contract; provided that prior to such termination the other Party must provide the defaulting Party with written notice stating: (i) the Party's intent to terminate; (ii) the date of such intended termination; (iii) the specific grounds for termination; (iv) specific actions which the defaulting Party must take to cure the default, if any; and (v) a reasonable period of time, which shall not be less than 10 calendar days, within which the defaulting Party may take action to cure the default and avoid

termination, provided there is any action which can be taken to cure the default. The pendancy of any dispute resolution procedure pursuant to Section 10 with regard to any separate dispute(s) or Sections 3.2 and 6.1 hereof shall not limit the right to terminate this Contract under Section 3.2.

6.2 Damages for Failure to Provide Load Reduction

If Customer breaches its obligation to provide Load Reduction, then the resulting damages shall be calculated to be (i) 18 multiplied by (ii) the Capacity multiplied by (iii) waived distribution reservation charges set forth in Section 4.1 during the prior twelve (12) months. The Parties agree that the factor set forth in subsection (i) is derived by taking savings Customer would achieve from this Contract during the prior 12 months of this Contract times 1.5, and may be applied to each occurrence. In addition, Customer shall be responsible for all damages to PG&E personnel and equipment and third party personnel and equipment resulting from the failure to provide Load Reduction.

6.3 Damages for Failure to Continue to Provide Load Reduction

If after reasonable notice, Customer continues to fail to provide Load Reduction, then the resulting damages shall be calculated to include any cost associated with the accelerated construction of facilities required in PG&E's reasonable discretion to reliably and safely provide service to all customers on the affected circuits and substation, e.g., any cost of overtime hours for PG&E's own resources, additional contract personnel, additional payments to contractors for expedited delivery of equipment and materials and premiums paid, if any, to obtain necessary rights of way or permits. PG&E selection of any facilities contemplated by this Section 6.3 shall be based on good utility practices, including, but not limited, to its standard safety practices, its material and equipment specifications, its design criteria and construction procedures, its labor agreements and applicable laws and regulations.

6.4 Service Interruption Until Remedial Measures Installed

In addition, if Customer breaches it obligation to provide Load Reduction, then until PG&E places into commercial operation those facilities it has determined are necessary pursuant to Section 6.3 hereof, the Customer shall curtail or interrupt its electric requirements at its site using the Relay Equipment described in Section 5.3 whenever directed by PG&E in order to avoid damage to PG&E's distribution system or harm to other customers. If in PG&E's sole discretion it determines the Customer is unable or unwilling to comply with PG&E's curtailment or interruption directions, then PG&E may immediately disconnect service to Customer until such time as the facilities identified pursuant to Section 6.3 have been placed into commercial operation.

6.5 Other Remedies

The remedies available under Section 6.1 through 6.4 are not exclusive, and subject to Section 10 either Party also shall be entitled to pursue any other legal, equitable or regulatory rights and remedies it may have in response to a default by the other Party.

7. NON-INTERFERENCE

Nothing in this Contract shall in any way interfere with Customer contracting for generation or meter related services with any other party.

8. INDENMITY

8.1 Indemnity

Each Party shall indemnify, defend and hold the other Party harmless from and against all losses, damages, claims, liabilities, costs or expenses (including legal expenses) whatsoever for injuries to or death of any person (including, but not limited to, agents, employees, contractors and invitees of PG&E and Customer) and for all loss, damage or destruction of electrical equipment or electric or gas meters or any other property (including, but not limited to, property of PG&E, Customer, and their respective agents, employees, contractors and invitees) arising out of any act or omission except to the extent that they result from any breach of this Contract by the indemnifying Party or the indemnified Party's negligence or intentional wrongdoing.

9. UNCONTROLLABLE FORCES

Any act beyond the reasonable control of a Party and which by the exercise of due diligence by such Party is unable to prevent or overcome. In the event of the occurrence of an Uncontrollable Force which prevents a Party from performing any of its obligations under this Contract such Party shall: (i) promptly notify the other party; (ii) not be entitled to suspend performance of any greater scope or longer duration than is required by the Uncontrollable Force (iii) use its best efforts to mitigate the effects of such Uncontrollable Force, remedy its inability to perform, and resume full performance hereunder; (iv) keep the other Party apprised of such efforts on a continual basis; and (v) provide written notice of the resumption of performance hereunder.

10. DISPUTE RESOLUTION

10.1 Mediation, Arbitration and/or Litigation

Any dispute that cannot be resolved between the Parties shall be settled by means of conference, mediation and/or litigation as provided for herein.

10.1.1 The first step in the disputed resolution process shall be a conference by which the dispute is referred to a designated officer of each Party for resolution. If those two officers cannot reach an agreement within a reasonable period of time, the Parties may submit the dispute to mediation in accordance with the Commercial Rules of the American Arbitration Association.

10.1.2 If the dispute is not resolved by the mediation, the Parties shall submit the dispute to the California Public Utilities Commission for final resolution unless the relief sought cannot be awarded by the CPUC in which case a Party may proceed to a Superior Court for the State of California, City and County of San Francisco.

10.2 Recovery of Costs and Attorneys' Fees

If either Party to this Contract begins any legal action or proceeding against the other by reason of the alleged failure of the other to perform under this Contract, or for the interpretation of any provision thereof, the Party prevailing in said action or proceeding shall be entitled to recover, in addition to its costs, reasonable attorneys' fees, whether retained or in-house counsel, and costs. Such recovery shall include court costs and attorneys' fees on appeal, if any. As used herein, "the Party prevailing" means the Party in whose favor final judgment is rendered.

11. MISCELLANEOUS

11.1 Assignment. This Contract is intended to be between the two Parties and neither Party may assign this Contract without prior written consent of the other Party, which consent shall not be unreasonably withheld or delayed.

11.2 Notices.

11.2.1 Except for notices provided pursuant to Section 11.2.3, any notices or demands to be served here under by either Party to the other shall be in writing and effected either by personal delivery or by mail, registered or certified, with return receipt requested. Mailed notices shall be addressed as follows to:

Pacific Gas and Electric Company
Customer Operations Regulatory Policy Department –
P.O. Box 770000 – Mail Code B13U
San Francisco, California 94177-0001
Attention: Tariff Interpretation

Customer _____
`
_____

_____

Attention _____

11.2.2 Except for noticed provided pursuant to Section 11.2.3, until written notice of a different address is furnished in accordance herewith to the other Party, all such notices shall be delivered to the addresses above. Such notices shall be deemed to have been served at the time personally delivered to either Party or within ninety-six (96) hours after the same have been deposited, postage prepaid, in the United States Post Office, which shall be a valid and sufficient service of notice for all purposes.

11.2.3 PG&E shall inform Customer when Load Reduction is required in writing or by such other means of communication as may be jointly agreed in writing.

11.3 Governing Law. The formation, interpretation and performance of this Contract shall be governed by California law, without regard to its principles of conflict of law.

11.4 Entire Agreement. This Contract, in combination with PG&E's tariffs as approved by the California Public Utilities Commission ("Commission"), contains the entire agreement between the Parties

11.5 Disclaimer of Warranty. No promise, representation, warranty, or covenant not included in this Contract has been, or is relied on by either Party. Each Party has relied on its own examination of this Contract, the counsel of its own advisors, and the warranties, representations, and covenants in the Contract itself.

12. COMMISSION CONTINUING AUTHORITY

This Contract shall at all times be subject to the Commission and to any changes or modification that the Commission may, from time to time, direct in the exercise of its jurisdiction. Notwithstanding any other provision of this Contract, either Party shall have the right to unilaterally file with the Commission, pursuant to the Commission's rules and regulations, an application for a change in rates, charges, classification, or any rule, regulation, or agreement relating thereto.

IN WITNESS WHEREOF, PG&E and Customer have executed this Contract on _____.

	PACIFIC GAS AND ELECTRIC COMPANY
_____ (Customer)	_____
_____ (Signature)	_____ (Signature)
_____ (Type/Print Name)	_____ (Type/Print Name)
_____ (Title)	_____ (Title)
_____ (Date)	_____ (Date)

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:

http://www.gosolarcalifornia.org/equipment/inverters.php.)

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

[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.

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.

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

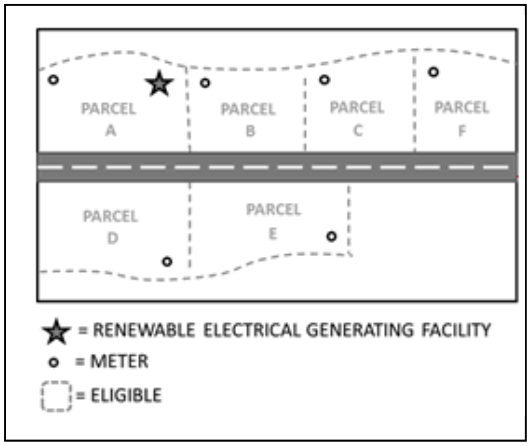
In accordance with Schedule NEM2, I, Customer-Generator represent and warrant under penalty of perjury that:

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: http://www.energy.ca.gov/renewables/documents/index.html#rps

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)*

Pacific Gas and Electric Company

DISTRIBUTION
- ☐ Customer
- ☐ Divisions
- ☐ Records Processing (Original)
- ☐ _____

REFERENCES
SA#:_____
PM#:_____
BD#:_____
_____

AGREEMENT FOR UNMETERED ELECTRIC SERVICE TO DEVICES CONNECTED TO PACIFIC GAS AND ELECTRIC COMPANY'S STREET LIGHT FACILITIES

This Agreement for Unmetered Electric Service to Devices Connected to Pacific Gas and Electric

Company's Street Light Facilities (Agreement) between _____ (Customer) and Pacific Gas and Electric Company (the Company) is to establish and govern the provisions of unmetered electric service provided by the Company at the locations reported for security devices and wireless communication equipment described in the attachments to this Agreement.

A. WHEREAS, such equipment will be owned, operated and/or maintained by Customer;

B. WHEREAS, Customer intends to energize such equipment by connecting to Company-owned street light facilities consisting of a street light with an exposed (external) photocell control mounted on a distribution pole or on a dedicated street light pole by means of a bracket or support arm, where PG&E has ownership interest in and maintenance responsibility for the pole, luminaire, support arm, control facility and internal wiring at various locations within the Company's service territory, where the lighting facilities are not a particular aesthetic selection by the street light customer of record and with the exception of series street light circuits served above 480 volts; and

C. WHEREAS, in the Company's opinion, it would be impractical to install electric meters at the requested locations and for such equipment installed subject to this Agreement; and

D. WHEREAS, the consumption of electricity at such locations and for such equipment can be reasonably determined from Manufacturer's specifications and operating characteristics of the Customer where the load is 24 hour constant and of one hundred fifty (150) watts or less rated or average consumption on any one street light circuit; and

E. WHEREAS, pursuant to the Company's Electric Preliminary Statement Part A.6.a, Customer and the Company agree that, in lieu of installing meters at each location, the Company shall provide unmetered electric service for Customer's equipment in accordance with the following terms and conditions.

NOW, THEREFORE, in consideration of the terms, and covenants contained herein, Customer and Company hereby agree as follows:

1. Customer's equipment that is the subject of this Agreement is identified in the data sheets set forth in Attachment A (Equipment). The Equipment will be installed by Customer on the facilities described in Recital Paragraph B above with an energy connection on the Company-owned street light. The energy connection to such street light may be made by the Customer, or, at the Customer's option and expense, by the Company. The energy connection to such Equipment will be made through a twist-lock style connector to an exposed (external) photocell control for the luminaire without impairment to the operation of the street light and with no other modification to the luminaire or control, except for ancillary equipment that draws power through the primary device through a Power Over Ethernet connection or similar means approved by the Company. Each location will be grouped in a specific account, separate from the street light account, identified by either the city or unincorporated county where the Equipment is located for proper billing and accounting. The energy account will be billed on the Company's regular monthly billing cycle for unmetered loads. Billing of fixed usage shall be at the amount indicated in Paragraphs 2 and 3.

2. Energy use for each piece of Equipment will be billed on Schedule A-1 or Schedule B-1 - Small General Service with an appropriate single customer charge for each grouped account.

    a. Customer shall provide the Company with the Manufacturer's documentation on Equipment rating, documented average consumption and other information necessary for the Company to determine applicability of this Agreement prior to installation of Equipment. Attachment A documents the specific Equipment and the kilowatt hours (kWh) to be billed for each Equipment type.

3. The energy charge is based on the monthly kWh calculated from the documentation provided by the customer based on watt rating or average consumption, multiplied by 731 hours per month (for 24-hour continuous usage).

4. Pursuant to Section D of the Company's electric Rule 3, Customer shall furnish the Company with information, in a format acceptable to the Company, which verifies the number and location of all Equipment at each service location and reflecting the net result of any installations and removals. The information to be reported is described in Attachment B. The information shall be provided initially ten (10) days after the first month of installations and on the first business day of January, April, July and October thereafter. Each piece of Equipment shall be marked with its own identifying number or code acceptable for input into Company's billing system. Equipment ownership shall be identifiable from the ground for auditing purposes. The Company may require that Customer affix or install a Radio Frequency Identification Device (RFID), provided by the Company, for inventory verification purposes.

5. If it is determined by the Company that electrical load is connected that has not been accurately reported to the Company by Customer, such load will be billed in accordance with electric Rules 17, 17.1, and 17.2 as applicable, and Customer shall pay the otherwise full applicable tariff charges for such electrical load, calculated in accordance with Paragraph 3, above. The Company reserves the right to field or bench test Equipment to verify the inputs described in documentation provided in Paragraph 2.a, above. Customer shall be financially responsible for any damage to Company facilities that results from a failure to accurately report Customer's loads.

6. Auditing may be conducted at the Company's sole discretion. Auditing may commence following the first anniversary of the effective date this Agreement (as defined below). The audit will be conducted by the Company or by an independent auditor selected by the Company. The cost of the audit shall be at the sole expense of the Customer. Customer will provide a complete and accurate inventory and other information as required in Paragraph 4 and in Attachment B. Customer shall provide access to the Equipment and provide assistance to the Company and its auditor to accomplish the audit, including, without limitation, identifying, locating and accessing the Equipment. The Company shall have the right to collect all costs associated with any additional work, including but not limited to, field verification or auditing of devices, bench testing, field amp reads, calculations of loads not required with meter reads, that would otherwise not be incurred in serving metered facilities.

7. Neither this Agreement nor conditions of electric service hereunder shall constitute permission or authorization for any use or occupation of the facilities of the Company or any third party by Customer. Prior to any attachment to Company-owned distribution poles, dedicated street light poles or connection of Equipment to Company owned street light facilities a license agreement with the Company will be required. Such license agreement shall remain a condition of service hereunder. It shall be sole responsibility and obligation of Customer to secure any rights or permission that may be necessary for the placement and use of Customer's Equipment on or over private property or the public right of way.

8. Except as specifically provided otherwise herein, service furnished in accordance with this Agreement shall be subject to Company's applicable tariffs on file with the California Public Utilities Commission (Commission). This Agreement shall at times be subject to changes or modification by the Commission as said Commission may, from time to time, direct in the exercise of its jurisdiction.

9. The Equipment subject to this Agreement shall be installed, maintained and operated at all times in accordance with all Company design standards and requirements and with all applicable laws, rules and regulations by any governmental authority with jurisdiction, including Commission's General Order 95 (collectively "Laws"). Customer shall be responsible to correct all identified violations of Laws and all identified deviations from Company design standards or requirements. Where the Company makes corrections, Customer shall be responsible for all costs for the Company to remedy any notices of violation or infractions imposed on the Company as a result of the Customer's installation or operation of the Equipment, including, without limitation, any infractions under the Commission's General Order 95. Except when otherwise required by the Laws or in the event that the Company determines that the violation, deviation or infraction caused by the Equipment poses a threat to the public or utility worker(s) or that the installed Equipment adversely impacts service reliability, asset life or the safe operation of Company facilities, prior to the Company remedying such violation, deviation or infraction, the Company will give the Customer written notice and the opportunity to remedy the same. If the Customer fails to correct the violation, deviation or infraction within thirty (30) days of such notice, the Company may, but shall not be obligated to, remedy such violation, deviation or infraction.

10. Where the Company determines that the Equipment loads require changes to Company's serving facilities, or where rearrangements are required as a result of the added loads, all such modifications must be performed prior to connection of the Equipment and Customer shall be responsible for all costs associated with the work. Customer shall be financially responsible for any damage to Company facilities resulting from Equipment loads added prior to completion of any required work. Either the Company or Customer may determine that facility modifications are not practical or cost effective for specific locations, in which case service will be provided under Company's approved Tariffs and either an Agreement for Unmetered Electrical Service, form 79-972, or metering may be required.

11. This Agreement shall remain in effect until terminated. This Agreement may be terminated upon forty-five (45) days prior written notice: a) by either party, which shall result in termination of service; or b) by Company upon Customer's default of any of the stated terms, agreements, covenants, conditions and provisions of this Agreement, the license agreement for such equipment or non-conformance with Company's other applicable tariffs. Any notice for termination of this Agreement for default shall specify the nature of the default. Customer may utilize the forty-five (45) days from issuance of such notice to cure the specified default (or in the event of a default which requires in excess of forty-five (45) days to cure, such additional time as is approved in writing by the Company). Timely cure of a specified default will avoid termination for that default. Customer expressly acknowledges that the Company shall not be liable for any costs, expenses, damages, claims or the like caused by or arising out of the Company's termination of this Agreement, including but not limited to any rearrangement, relocation, removal or disconnection expenses. Company may continue to provide service to Customer's Equipment provided that a) a subsequent executed superseding agreement governing the terms of unmetered service has gone into effect prior to the termination of this Agreement; or b) a meter has been installed and the service has been transferred to metered status.

12. The Company may at a later date, upon ninety (90) days prior written notice, require metering of new, existing, additional, rearranged or relocated equipment that would otherwise register on its metering

devices with then available practical technology, and decline to provide or continue providing unmetered service.

13. Nothing in this Agreement shall preclude the Company from requesting authority from the Commission to implement an electric tariff for unmetered service. If an unmetered electric service tariff is approved for the Company, it shall apply to Customer's installations under this Agreement.

14. The Company is authorized to modify the form of Attachment A and B at its sole discretion and at any time require additional reasonable information from Customer for the purpose of this Agreement, including without limitation, accurate data concerning equipment, maintaining accurate records, and promoting accurate and efficient billing.

15. All notices required herein shall be given in writing and delivered personally by United States Postal Service, or other nationally recognized courier service, to the appropriate address below. Addresses may be changed by the Company or Customer as business needs change.

Customer:	_____	Pacific Gas and Electric Company
Address:	_____	Billing Revenue & Records
	_____	P.O. Box 8239
	_____	Stockton, CA 95208
Attn:	_____	Attn. Unmetered Electric Usage

Customer's bill shall be mailed to the address listed below.

Billing Name: _____
Address: _____
_____

Attn: _____

16. The waiver by either Party of any default in the performance, or failure to insist on strict performance by the other, or any covenant or condition contained herein shall not be construed to be a waiver of any preceding or subsequent default of the same or any other covenant contained herein.

17. If Customer acquires additional Equipment (connected by another Customer under the provisions of an identical Agreement) through merger, purchase, or other forms of acquisition, all such acquired Equipment shall become subject to this Agreement, and billing will be adjusted as required by this Agreement. Customer must provide the information necessary to complete new Attachment A(s), if such additional unmetered facilities have not previously been identified to the Company. Customer must also provide the information required to complete new or modify existing Attachment B(s) as specified in Paragraph 4. If Customer is acquired by a third party, assignment of this Agreement shall be subject to the provisions of Paragraph 18.

18. Customer may, with the Company's written consent, assign this Agreement if the assignee agrees in writing to perform all of Customer's obligations hereunder. Such assignment will be deemed to include, unless otherwise specified therein, all of the Customer's rights to any refunds which might become due upon discontinuance of service contracted. Customer remains responsible for all obligations under this Agreement up to the effective date of the assignment. In lieu of an assignment, the Customer's successor in interest may retrofit the Equipment for metering under Company's existing tariffs.

19. Upon termination of this Agreement, Customer shall promptly disconnect Customer's Equipment from the street light facilities. Customer remains responsible for payment of energy and customer charges under this Agreement until Equipment is disconnected.

20. Customer shall indemnify and hold harmless Company, its officers, agents and employees, against all loss, damage, expense and liability resulting from injury to or death of any person, including but not limited to employees of Company, Customer or any third party, or from loss, destruction or damage to property, including but not limited to property of Company, Customer, or any third party, arising out of or in any way connected with the performance of this Agreement, however caused, except to the extent caused by the active negligence or willful misconduct of Company, its officers, agents and employees. Customer will, on Company's request, defend any suit asserting a claim covered by this indemnity. Customer will pay all costs that may be incurred by Company in enforcing this indemnity, including reasonable attorneys' fees.

21. PG&E will exercise reasonable diligence and care to furnish and deliver a continuous and sufficient supply of electric energy to the Customer, but does not guarantee continuity or sufficiency of supply. PG&E will not be liable for interruption or shortage or insufficiency of supply, or any loss or damage of any kind of character occasioned thereby if same is caused by inevitable accident, act of God, fire, strikes, riots, war, or any other cause except that arising from its failure to exercise reasonable diligence.

22. This Agreement shall supersede existing letters of understanding, agreements and contracts, whether verbal or written, for the provision of unmetered services to the Equipment.

APPROVED:

	PACIFIC GAS AND ELECTRIC COMPANY
_____ (Customer)	
_____ (Signature)	_____ (Signature)
_____ (Type/Print Name)	_____ (Type/Print Name)
_____ (Title)	_____ (Title)
_____ (Date)	_____ (Date)

Pacific Gas and Electric Company

DISTRIBUTION:	REFERENCES:
☐ Billing Revenue and Records (Original) ☐ Service Planning (Copy) ☐ Customer (Copy)	Date of Agreement: Date of Attachment: PM #: SA #:

Attachment A to Agreement for Unmetered Electric Service to Devices Energized by Connection to Pacific Gas and Electric Company's Street Light

(Form to be Completed By PG&E)

Facilities Address: _____

_____

Billing Name: _____

Address (if different from mailing): _____

_____

Equipment billing information (to be completed by Pacific Gas and Electric Company)

Manufacturer/model or series _____

Equipment type* _____

**Use only one Attachment A per Equipment type*

Basic calculation for monthly kiloWatt hours (kWh) rounded to the nearest whole kWh for billing.
((Nominal voltage x Amps) /1000) x hours of operation
Use 731 hours for 24 hour load, or 335 hours for 11 hour photo controlled load.

Adjust Amps as needed when Average Documented Consumption is used in place of full rated amps for proper kWh billing.

Rate schedule	Nominal volts	Amps	Operating hours	*kWh/Mo billing*
A-1 or B-1				0

Applicant must provide the following:

° Equipment model, type and unit identification number
° Input ratings in amps, nominal volts or documented average consumption

Additional documentation and attachments as required by Pacific Gas and Electric Company:

° *Pursuant to paragraphs 2a and 4 of the Agreement, for billing reporting, information required includes, but is not limited to:*
° Equipment location (e.g., Street light number, GPS coordinate or other acceptable identification)
° Notification of tax exemptions which apply to the provisions of service under this Agreement

Provide the following when requesting service through Pacific Gas and Electric Company local offices

° A copy of the Agreement and Attachments for Unmetered Services
° Necessary infromation to complete an Electric Rule 3 request for service if required.

* "Automated Document, Preliminary Statement, Part A".

Pacific Gas and Electric Company

Attachment B to Agreement for Unmetered Electric Service to Devices Connected to Pacific Gas and Electric Company's Street Light Facilities *

Customer: **Annual Report**

COUNTY ID	CITY ID	TOT#	SA#	INSTALLED	Street Light Only Pole	Distribution Pole	POLE_ID	ADDRESS	CROSS-STREET	ZIP	LATITUDE	LONGITUDE	VENDOR	MODEL	DESCRIPTION	Identification number	KWH	KWH Total

*Automated Document, Preliminary Statement Part A

Pacific Gas and Electric Company®

Net Energy Metering

Application and Interconnection Agreement for Customers with Solar and/or Wind Electric Generating Facilities of 30 Kilowatts or Less

Please note that this agreement does not constitute an application to any **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 California Solar Initiative (CSI) or the New Solar Homes Partnership (NSHP), please go to www.pge.com 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 CSI 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 CSI rebate, and understand that I will have to apply for CSI 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 Location and Responsible Parties

A. Applicability and Purpose:

This *NET ENERGY METERING APPLICATION AND INTERCONNECTION AGREEMENT FOR CUSTOMERS WITH SOLAR AND/OR WIND ELECTRIC GENERATING FACILITIES OF 30 KW OR LESS* (Agreement) applies to electric rate schedule NEM, Net Energy Metering Service (NEM) for Customer-Generators (Customer) who interconnect a solar and/or wind turbine electrical Generating Facility, or a hybrid system of both, with an aggregate capacity of 30 kilowatts (kW) or less that is located on Customer's premises, and that operates in parallel with Pacific Gas and Electric Company's (PG&E) Distribution System.

The purpose of this Agreement is to allow Customer to interconnect with PG&E's Distribution System, subject to the provisions of this Agreement and PG&E's rate schedule NEM. Customer has elected to interconnect and operate its solar and/or wind electric Generating Facility in parallel with PG&E's Distribution System, primarily to offset part or all of the Customer's own electrical requirements at this service point. Customer 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. Description of Service (this Agreement is being filed for, check all that apply)**:**

- ❑ A New NEM Generating Facility interconnection (at an existing service).
- ❑ For Physical Changes to an interconnected Generating Facility with previous approval by PG&E (adding PV panels, 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.
- ❑ An Interconnection under Direct Access (DA).
  - Customers applying for NEM who are served under **Direct Access** by an Energy Service Provider (ESP) must contact their ESP directly for information regarding the ESP's net energy metering program.
- ❑ An Interconnection under Community Choice Aggregation Service (CCA Service).
  - Customers applying for NEM who are served under Community Choice Aggregation Service by a Community Choice Aggregator (CCA) must contact their CCA directly for information regarding the CCA's net energy metering program.
- ❑ An interconnected Generating Facility that never exports electricity to PG&E (load always exceeds generation).
  - For Customers with a non-exporting Generating Facility, Form 79-974 may be more appropriate. Form 79-974 may be found at www.pge.com/tariffs/pdf/E79-974.pdf

Part I – Cont'd – Identifying the Generating Facility Location and Responsible Parties

C. Customer Generating Facility Information - Where will the Generating Facility be installed?

Name shown on PG&E service account (Must Match Customer Name on PG&E Blue Bill)	Account Number	Meter Number (Meter Badge ID)
Street Address		
City	State	Zip
Mailing Address		
City	State	Zip
Business Phone / Home Phone	Fax	Email

D. 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 Customer to receive confidential Customer information and act on behalf of Customer with respect to this agreement.

E. 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 Customer to receive confidential Customer information and act on behalf of Customer with respect to this agreement.

By checking the boxes above and signing this agreement, Customer authorizes PG&E to release information to the contact(s) named above regarding Customer'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 **three 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 Customer. Should customer wish to select a different authoriziaton period, Customer 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

Part I – Cont'd – Identifying the Generating Facility Location and Responsible Parties

In addition, Customer authorizes PG&E to release to the California Energy Commission (CEC) information regarding Customer'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.

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 Customer, understand and agree to the following terms and conditions:

Permission to Interconnect
Customers 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 Customer 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 Customer's Facility, or its operation, may endanger PG&E personnel, or (b) the continued operation of the Customer'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. Customer'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 NEM customers. **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
Following your bi-directional meter installation, your meter must be installed in a safe PG&E-accessible location and remain unobstructed by locked gates or pets. Additionally, meter access must be maintained at all times for meter reading and system maintenance. Any animals owned by the customer, including pet dogs, should not have access to these areas to avoid hindering PG&E service personnel, preventing them from completing their work. If your self-contained meter is being utilized as the AC disconnect switch, the meter must be accessible at all times and cannot be located within a residence or garage.

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 customer has not met all of the requirements, PG&E will close this application and Customer will be required to submit a new application should Customer wish to take service on Schedule NEM.

A. Agreement Package:
These documents are needed to ensure safe and reliable operation of PG&E's Distribution System and to confirm that Customer'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). **Customers should not delay sending any part of the agreement package to**

PG&E. As PG&E receives the documentation described in Sections (1) through (4) below, PG&E will begin to process the application.

Required Documents for New Applicants:

1. A completed copy of this **Agreement**. ***Please note***: the Customer name (as identified in Part I, Section C) must be the same name as on the PG&E bill. In this Agreement, Customer will confirm their otherwise-applicable rate schedule (OAS), establishing how Customer's monthly usage or net generation will be charged/credited. Customer-initiated rate changes are governed in accordance with PG&E's Electric Rule 12.

2. A **single-line diagram** showing Customer'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 wind and/or photovoltaic generators, circuit breakers and other protective devices of the Generating Facility, the general location of the Customer'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** if present.

      Effective November 21, 2006, customers installing inverter-based systems will no longer be required to include an AC disconnect switch when the facility has a self-contained electric revenue meter (i.e. 0-320 amp socket-based meters or 400 amp K-based meters). This type of meter is used by 98% of all PG&E customers.

      To accommodate this change while maintaining utility operating needs, the revenue meter, when appropriate, may be temporarily removed by PG&E to isolate the customer's generator from the electric distribution system. Removal of the revenue meter (due to an emergency or maintenance on PG&E's system) will result in loss of electrical service to the customer's facility or residence.

      PG&E recommends that customers 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.). The AC disconnect switch provides the additional benefit of allowing PG&E to isolate the customer's generator from the utility's Distribution System without having to interrupt service to the customer's facility or residence.

      PG&E's AC disconnect requirement for Distributed Energy Resources (Distributed Generation) will continue to apply to:

      - Inverter-based interconnections having a transformer-rated meter (i.e. all meter panels or switchboards employing the use of potential and current transformers).
      - Non-inverter based generators, including rotating or machine-based generators - irrespective of whether the service meter configuration is transformer-rated or self-contained.

   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. 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 Customer plans to install**. If the Generating Facility includes photovoltaic panels, the description must include the manufacturer name, model number, number of panels, and the nameplate rating. If the Generating Facility includes a wind turbine, the description must include the manufacturer name, model number, number of turbines, and the nameplate rating. Only CEC-certified inverters and certified wind-turbine generators without separate inverters will pass the requirements for Simplified Interconnection. (See the PG&E website www.pge.com/gen or the CEC website at: www.consumerenergycenter.org/erprebate/equipment.html)

   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.

[1] The CEC's eligible inverter list can be found under the CSI heading at: www.consumerenergycenter.org/erprebate/equipment.html

Part III – Cont'd – Requirements for Interconnection

e. If such metering is required, a complete description of the **performance (generation output) meter and related equipment.** 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. Information regarding any existing **insurance coverage** (liability and/or property) for the Schedule-NEM Generating Facility location

   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, rules of the California Public Utilities Commission regarding safety and reliability. A Customer with a solar or wind-turbine electrical 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.

   To the extent that Customer has currently in force property insurance and commercial general liability or personal liability insurance, Customer 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 Customer meets the requirements of this section, Customer 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-NEM 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-NEM Generating Facility location.

4. A copy of the **final, signed, jurisdictional approval (building permit) for Customer's Generating Facility** from the local government entity with jurisdiction over the Customer's project. **Customer'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 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 Section V (F), Notices.

Part IV – General Facility and Rate Information

A. What applicable **Rate Schedule** have you selected for your NEM account (known as your "otherwise applicable rate schedule" or "OAS")?

RESIDENTIAL:

❑ E-1 – Non-Time-of-Use Residential Service

❑ E-6 – Residential Time-of-Use Service

❑ E-7 – Residential Time-of-Use Service[2]

❑ E-9 – Experimental Residential Time-of-Use for Low Emission Vehicle Customers[3]

❑ Other Residential rate schedule (_____) please enter

[2] E-7 and EL-7 are closed to all new customers

[3] If customer selects **Schedule E-9**, the **Experimental Rate for Low Emission Vehicles** as the otherwise-applicable rate, a **Schedule E-9 Application** will need to be completed and signed.

Part IV – Cont'd – General Facility and Rate Information

SMALL COMMERCIAL:

- ❑ A-1 or B-1– Small General Non-Time-of-Use Service
- ❑ A-6 or B-6 – Small General Time-of-Use Service
- ❑ A-10 or B-10- Medium General Demand-Metered Service
- ❑ Other (_____)

Service Voltage Options – (*circle one*)

Primary Secondary

- *circle A-10 option*:

Time-of-Use Demand Only

AGRICULTURAL:

- ❑ AG-1 – Agricultural Power (circle rate option: A B)
- ❑ AG-R – Split-Week Time-of-Use Agricultural Power (circle rate option: A B D E)
- ❑ AG-V – Short-Peak Time-of-Use Agricultural Power (circle rate option: A B D E)
- ❑ AG-4 – Time-of-Use Agricultural Power (circle rate option: A B C D E F)
- ❑ AG-5 - Large Time-of-Use Agricultural Power (circle rate option: A B C D E F)
- ❑ Other (_____)

Historical electrical rate information may be found at: www.pge.com/nots/rates/tariffs/rateinfo.shtml, and current electric rate schedules may be found at: www.pge.com/tariffs/ERS.SHTML#ERS.

Depending on Customer's rate schedule and metering arrangement, an installation fee and/or reprogramming fee may be required to provide net energy metering.

Customers will be billed and will be expected to pay monthly for the non-energy charges (i.e., non-per-kilowatt-hour charges) that are due under Customer's OAS. In addition, Customer may (at his/her option) pay any amount for energy charges monthly, with the understanding that any and all payments will be reconciled at the completion of the true-up period. At the end of every twelve (12) billing cycles, or other reconciliation period as provided in Schedule NEM, Customer's charges will be totaled including: (1) any unpaid monthly non-energy charges, (2) the charge for any net-energy consumption as defined in rate Schedule NEM. Customer's total payments for the twelve (12) billing cycles or other reconciliation period as provided in Schedule NEM will then be subtracted from the total charges. Customer will then be billed for any balance due. In addition, PG&E Electric Rules and Rates, including but not limited to Electric Rules 2, 14, 15, 16, and 21, Schedule NEM, and Customer's OAS may apply.

For further information on understanding NEM billing, please go to the 'related docs' section of PG&E's Net Energy Metering website at: www.pge.com/standardnem.

B. Will this account be established in a new **subdivision**?

- ❑ Yes **If yes**: (a) who is the developer? _____
  (b) tract number? _____
  (c) name of the development? _____
  (d) please attach a list of lots/addresses included with this application
- ❑ No

C. Will an electric **vehicle** recharging facility be included as part of the load at this location?

- ❑ Yes
  If yes, will the vehicle recharging facility be separately metered from the residence?
  - ❑ Yes (PV will serve: residence *or* recharging facility - *circle one*)
  - ❑ No (PV will serve both residence and recharging facility)
- ❑ No

D. Expected **date** of Project Completion and PG&E Receipt of Final, Signed-Off Building Permit for Generating Facility?

Date: _____

E. Are there any other generators connected on this account?

❑ Yes

If yes, specify what kind of generator _____

❑ No

F. Are there any possible meter access issues?

❑ Yes **If yes**, check all that apply:

❑ Locked Gate	❑ Meter located inside of facility/residence
❑ Unrestrained animal at meter or AC disconnect switch location	❑ Other (Please explain) _____

❑ No

G. Are you 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 III, Section A.2.a above for policy on disconnect switches)

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)

B. Inverters interconnected with PG&E

List all the inverters that will be interconnected to PG&E.

Customers with non-standard inverters which do not meet the UL and IEEE requirements specified in Electric Rule 21, or Customers 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)	Inverter CEC Rating kW (per unit)	Quantity of Inverters	Inverter Output Voltage	Single or Three phase?
1							
2							

[4] The inverter rating equals the nameplate rating, in kW. If there is more than one inverter or type being installed, the inverter rating equals the nameplate rating of one unit of each 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 Nameplate Rating[5] kW (per unit)	PV Panel CEC Rating kW (per unit)	Quantity of PV Panels	Total Capacity[6] (kW)	Inverter number from (B.) above (1 or 2)
1							
2							

D. Wind Turbine Equipment

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[6] kW (per unit)	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. Notices - Mailing Instructions and Assistance:

When this agreement has been completed it should be mailed, along with the required attachments and any applicable fees, 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

Phone calls and questions may be directed to the Generation Interconnection Services hotline at: 415-972-5676 or email gen@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.

[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 PV panel (or wind turbine) rating times the quantity.

H. 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 NEM.

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.

Customer 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

DISTRIBUTION:

- ☐ XXXX
- ☐ XXXX
- ☐ XXXX
- ☐ XXXX
- ☐ _____

REFERENCE:

_____
_____
_____
_____
_____

AGREEMENT FOR UNMETERED ELECTRIC SERVICE TO SEASONAL LIGHTING LOADS CONNECTED TO FESTOON OUTLETS ON PACIFIC GAS AND ELECTRIC COMPANY'S STREET LIGHT FACILITIES

This Agreement for Unmetered Electric Service to Seasonal Lighting Loads Connected to Festoon Outlets on Pacific Gas and Electric Company's Street Light Facilities (Agreement) between _____ (Customer) and Pacific Gas and Electric Company (the Company) is to establish and govern the provisions of unmetered electric service provided by the Company at the locations reported for seasonal decorative equipment connected to street light facilities through festoon outlets.

A. WHEREAS, such seasonal decorative equipment will be owned, operated and/or maintained by Customer; and

B. WHEREAS, the Company historically owns, operates and maintains street light circuits with existing festoon receptacles designed to allow seasonal decorative lighting to be attached and energized; and

C. WHEREAS, Customer intends to energize such equipment by connecting to Company-owned street light facilities through festoon outlet receptacles located a minimum of nine (9) feet above grade at the base of the pole or post; and

D. WHEREAS, in the Company's opinion, it would be impractical to install electric meters at the requested locations and for such equipment installed subject to this Agreement; and

E. WHEREAS, the consumption of electricity at such locations and for such equipment can be reasonably determined from Manufacturer's specifications and operating characteristics of the Customer where the load is controlled by a timer (where timer is not accessible by pedestrians) or is 24 hour constant and of one hundred fifty (150) watts or less rated load on any one street light; and

F. WHEREAS, pursuant to the Company's Electric Preliminary Statement Part A.6.a, Customer and the Company agree that, in lieu of installing meters at each location, the Company shall provide unmetered electric service for Customer's equipment in accordance with the following terms and conditions.

NOW, THEREFORE, in consideration of the terms, and covenants contained herein, Customer and Company hereby agree as follows:

1. Customer's equipment that is the subject of this Agreement is identified in the data sheets set forth in Attachment A (Equipment). The Equipment will be installed by Customer on the facilities described in Recital Paragraph C above with an energy connection on the Company-owned street light circuit. Each location will be grouped in a specific account, separate from the street light account, identified by either the city or unincorporated county where the Equipment is located for proper billing and accounting.

The energy account will be billed on the Company's regular monthly billing cycle for unmetered loads. Billing of fixed usage shall be at the amount indicated in Paragraphs

2. Energy use for each piece of Equipment will be billed on Schedule A-1 or B-1 - Small General Service with an appropriate single customer charge for each grouped account. The method of determining the electric usage for such Equipment shall be as follows:

   a) Where Equipment is controlled by a timer, Customer shall provide the timer and shall provide the Company with timer setting details, and detailed manufacturer's specifications. Any such timer must be acceptable to the Company, must be rated for outdoor use, and must have a single on and off setting per day. The daily operating interval (the time between the on and off settings) must be in whole hour increments, or will be rounded to the next higher whole hour increment for purposes of calculating energy used for billing purposes. Billing will be based on the Equipment load and the operating interval selected by the Customer.

   b) Where Equipment is not controlled by a timer, the Equipment will be billed on a 24-hour basis.

   c) Customer shall provide Company with the Manufacturer's documentation on Equipment rating, and other information necessary for the Company to determine applicability of this Agreement prior to installation of Equipment. Attachment A documents the specific Equipment and manufacturer and model number of the timers used to control Equipment, and will be used to record operating interval determined by the Customer and the kilowatt hours (kWh) to be billed for each Equipment type.

3. The energy charge is based on the monthly kWh calculated from the documentation provided by the customer based on Equipment rating multiplied by either 731 hours per month (for 24-hour continuous usage) under paragraph 2b, above; or, by the number of hours calculated on Attachment A based on the operating interval selected by the Customer (for timer controlled usage) under paragraph 2a, above. The charge shall also include all other associated charges under the applicable rate schedule.

4. Pursuant to Section D of the Company's electric Rule 3, Customer shall furnish the Company with information, in a format acceptable to the Company, which verifies the number and location of all Equipment at each service location and reflecting the net result of any installations and removals. The information to be reported is described in Attachment B. The information shall be provided prior to installation of equipment; removals shall be reported when completed. Any changes to the daily operating interval (timer settings as described in paragraph 2a, above) must be reported in advance.

5. If it is determined by the Company that electrical load is connected that has not been accurately reported to the Company by Customer, such load will be billed in accordance with electric Rules 17, 17.1, and 17.2 as applicable, and Customer shall pay the otherwise full applicable tariff charges for such electrical load, calculated in accordance with Paragraph 3, above. The Company reserves the right to field or bench test

Equipment to verify the inputs described in documentation provided in Paragraph 2, above. Customer shall be financially responsible for any damage to Company facilities that results from a failure to accurately report Customer's loads and operating time intervals.

6. Auditing may be conducted at the Company's sole discretion. Auditing may commence at any time. The audit will be conducted by the Company or by an independent auditor selected by the Company. The cost of the audit shall be at the sole expense of the Customer. Customer will provide a complete and accurate inventory and other information as required in Paragraph 4 and in Attachment B. Customer shall provide access to the Equipment and provide assistance to the Company and its auditor to accomplish the audit, including, without limitation, identifying, locating and accessing the Equipment. The Company shall have the right to collect all costs associated with any additional work, including but not limited to, field verification or auditing of devices, bench testing, field amp or load reads and calculations of loads , that would otherwise not be incurred in serving metered facilities.

7. Neither this Agreement nor conditions of electric service hereunder shall constitute permission or authorization for any use or occupation of the facilities of the Company or any third party by Customer. Prior to any attachment to Company-owned distribution poles, dedicated street light poles or connection of Equipment to Company owned street light facilities a license agreement with the Company will be required. Such license agreement shall remain a condition of service hereunder. It shall be sole responsibility and obligation of Customer to secure any rights or permission that may be necessary for the placement and use of Customer's Equipment on or over private property or the public right of way.

8. Except as specifically provided otherwise herein, service furnished in accordance with this Agreement shall be subject to Company's applicable tariffs on file with the California Public Utilities Commission (Commission). This Agreement shall at times be subject to changes or modification by the Commission as said Commission may, from time to time, direct in the exercise of its jurisdiction.

9. The Equipment subject to this Agreement shall be installed, maintained and operated at all times in accordance with all Company design standards and requirements and with all applicable laws, rules and regulations by any governmental authority with jurisdiction, including Commission's General Order 95 (collectively "Laws"). Customer shall be responsible to correct all identified violations of Laws and all identified deviations from Company design standards or requirements. Where the Company makes corrections, Customer shall be responsible for all costs for the Company to remedy any notices of violation or infractions imposed on the Company as a result of the Customer's installation or operation of the Equipment, including, without limitation, any infractions under the Commission's General Order 95. Except when otherwise required by the Laws or in the event that the Company determines that the violation, deviation or infraction caused by the Equipment poses a threat to the public or utility worker(s) or that the installed Equipment adversely impacts service reliability, asset life or the safe operation of Company facilities, prior to the Company remedying such violation, deviation or infraction, the Company will give the Customer written notice and the

opportunity to remedy the same. If the Customer fails to correct the violation, deviation or infraction within thirty (30) days of such notice, the Company may, but shall not be obligated to, remedy such violation, deviation or infraction.

10. Where the Company determines that the Equipment loads require changes to Company's serving facilities, or where rearrangements are required as a result of the added loads, all such modifications must be performed prior to connection of the Equipment and Customer shall be responsible for all costs associated with the work. Customer shall be financially responsible for any damage to Company facilities resulting from Equipment loads added prior to completion of any required work. Either the Company or Customer may determine that facility modifications are not practical or cost effective for specific locations, in which case service will be provided under Company's approved Tariffs and either an Agreement for Unmetered Electrical Service, Form 79-972, or metering may be required.

11. This Agreement shall remain in effect until terminated. This Agreement may be terminated upon forty-five (45) days prior written notice: a) by either party, which shall result in termination of service; or b) by Company upon Customer's default of any of the stated terms, agreements, covenants, conditions and provisions of this Agreement, the license agreement for such equipment or non-conformance with Company's other applicable tariffs. Any notice for termination of this Agreement for default shall specify the nature of the default. Customer may utilize the forty-five (45) days from issuance of such notice to cure the specified default (or in the event of a default which requires in excess of forty-five (45) days to cure, such additional time as is approved in writing by the Company). Timely cure of a specified default will avoid termination for that default. Customer expressly acknowledges that the Company shall not be liable for any costs, expenses, damages, claims or the like caused by or arising out of the Company's termination of this Agreement, including but not limited to any rearrangement, relocation, removal or disconnection expenses. Company may continue to provide service to Customer's Equipment provided that a) a subsequent executed superseding agreement governing the terms of unmetered service has gone into effect prior to the termination of this Agreement; or b) a meter has been installed and the service has been transferred to metered status.

12. The Company may at a later date, upon ninety (90) days prior written notice, require metering of new, existing, additional, rearranged or relocated equipment that would otherwise register on its metering devices with then available practical technology, and decline to provide or continue providing unmetered service.

13. Nothing in this Agreement shall preclude the Company from requesting authority from the Commission to implement an electric tariff for unmetered service. If an unmetered electric service tariff is approved for the Company, it shall apply to Customer's installations under this Agreement.

14. The Company is authorized to modify the form of Attachment A and B at its sole discretion and at any time require additional reasonable information from Customer for the purpose of this Agreement, including without limitation, accurate data concerning equipment, maintaining accurate records, and promoting accurate and efficient billing.

15. All notices required herein shall be given in writing and delivered personally by United States Postal Service, or other nationally recognized courier service, to the appropriate address below. Addresses may be changed by the Company or Customer as business needs change.

Customer:	_____	Pacific Gas and Electric Company
Address:	_____ _____ _____	Billing Revenue & Records P.O. Box 8239 Stockton, CA 95208
Attn:	_____	Attn. Unmetered Electric Usage

Customer's bill shall be mailed to the address listed below.

Billing Name: _____
Address: _____
_____

Attn: _____

16. The waiver by either Party of any default in the performance, or failure to insist on strict performance by the other, or any covenant or condition contained herein shall not be construed to be a waiver of any preceding or subsequent default of the same or any other covenant contained herein.

17. If Customer acquires additional Equipment (connected by another Customer under the provisions of an identical Agreement) through merger, purchase, or other forms of acquisition, all such acquired Equipment shall become subject to this Agreement, and billing will be adjusted as required by this Agreement. Customer must provide the information necessary to complete new Attachment A(s), if such additional unmetered facilities have not previously been identified to the Company. Customer must also provide the information required to complete new or modify existing Attachment B(s) as specified in Paragraph 4. If Customer is acquired by a third party, assignment of this Agreement shall be subject to the provisions of Paragraph 18.

18. Customer may, with the Company's written consent, assign this Agreement if the assignee agrees in writing to perform all of Customer's obligations hereunder. Such assignment will be deemed to include, unless otherwise specified therein, all of the Customer's rights to any refunds which might become due upon discontinuance of service contracted. Customer remains responsible for all obligations under this Agreement up to the effective date of the assignment. In lieu of an assignment, the Customer's successor in interest may retrofit the Equipment for metering under Company's existing tariffs.

19. Upon termination of this Agreement, Customer shall promptly disconnect Customer's Equipment from the street light facilities. Customer remains responsible for payment of energy and customer charges under this Agreement until Equipment is disconnected.

20. Customer shall indemnify and hold harmless Company, its officers, agents and employees, against all loss, damage, expense and liability resulting from injury to or death of any person, including but not limited to employees of Company, Customer or any third party, or from loss, destruction or damage to property, including but not limited to property of Company, Customer, or any third party, arising out of or in any way connected with the performance of this Agreement, however caused, except to the extent caused by the active negligence or willful misconduct of Company, its officers, agents and employees. Customer will, on Company's request, defend any suit asserting a claim covered by this indemnity. Customer will pay all costs that may be incurred by Company in enforcing this indemnity, including reasonable attorneys' fees.

21. PG&E will exercise reasonable diligence and care to furnish and deliver a continuous and sufficient supply of electric energy to the Customer, but does not guarantee continuity or sufficiency of supply. PG&E will not be liable for interruption or shortage or insufficiency of supply, or any loss or damage of any kind of character occasioned thereby if same is caused by inevitable accident, act of God, fire, strikes, riots, war, or any other cause except that arising from its failure to exercise reasonable diligence.

22. This Agreement shall supersede existing letters of understanding, agreements and contracts, whether verbal or written, for the provision of unmetered services to the Equipment.

APPROVED:

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

Pacific Gas and Electric Company

DISTRIBUTION:
- ☐ Customer
- ☐ Divisions
- ☐ GO Svc Planning
- ☐ Billing Revenue and Records

Date Of Agreement: _____

Date of this Attachment: _____

ATTACHMENT A TO AGREEMENT FOR UNMETERED ELECTRIC SERVICE TO SEASONAL LIGHTING LOADS CONNECTED TO FESTOON OUTLET ON PACIFIC GAS AND ELECTRIC COMPANY'S STREET LIGHT FACILITIES

Applicant: _____
Address: _____
_____

Billing Name: _____
Billing Address: _____
(if different from mailing) _____

Equipment billing information (to be completed by Pacific Gas and Electric Company)

Manufacture/Model or Description: _____
Equipment Type*/Load Connected: _____
Timer Manufacture/Model or Description: _____
Timed Operating Interval (Hours/Day) _____ (round to next whole hour per agreement paragraph 2a)
**Use only one Attachment A per Equipment type*

Basic calculation for monthly kilowatt-hour (kWh) rounded to the nearest whole kWh for billing
((Nominal voltage x Amps) / 1000) x hours of operations
Use 731 hours for 24 hour load, or 30.45 times operating interval hours for timer controlled load
Adjust Amps as needed when Average Documented Consumption is used in place of full rated amps for proper kWh billing

Rate Schedule	**Nominal Volts**	**Amps**	**Operating Hours**	kWh/Month Billing
A-1 or B-1			731	0

Applicant must provide the following:
- Equipment model, type and unit identification number.
- Equipment input rating in amps.
- Description of timer, if any, which controls hours of equipment operation, and any other information deemed necessary by Pacific Gas and Electric Company to accurately establish billing amounts.

Additional documentation and attachments as required by Pacific Gas and Electric Company:
- Pursuant to paragraphs 2a and 4 of the Agreement, for billing reporting, information required includes, but is not limited to:
  - Equipment location (e.g. Street light number, GPS coordinate or other acceptable identification).
  - Notification of tax exemption which apply to the provisions of service under this Agreement.

Provide the following when requesting service through PG&E local office
- A copy of the Agreement and Attachment for Unmetered Services.
- Necessary information to complete a Electric Rule 3 request for service if required.

Attachment B To Agreement for Unmetered Electric Service to Seasonal Lighting Loads Connected To Frestoon Outlet on PG&E's Street Light Facilities (Form 79-1105)

Customer Name: **Load Inventory**

COUNTY ID	CITY ID	TOT#	SA#	INSTALLED (Date)	POLE_ID (Street Light #)	ADDRESS	CROSS-STREET	ZIP	DETAILED DESCRIPTION (MODEL, MANUFACTURE IF AVAILABLE	Identification # / Location # (Assigned by Customer)	KWH	KWH Total (PG&E Use Only)

OPTIMAL BILLING PERIOD SERVICE ELECTION FORM

The undersigned Customer hereby acknowledges and agrees to all terms and conditions specified.

1. Eligibility

Customers taking service on PG&E's Schedule AG-5, "Large Time-of-Use Agricultural Power", Rate C or F, Schedule E-19 or B-19, "Medium General Demand Metered Time-of-Use Service," or Schedule E-20 or B-20, "Service to Customers with Maximum Demands of 1,000 Kilowatts or More," may elect the Optimal Billing Period (OBP) service, subject to program availability, and the qualifying eligibility terms and conditions specified below and in the applicable tariffs.

2. By electing the Optimal Billing Period (OBP) service, customer declares it has reviewed and meets all eligibility requirements as described in the customer's applicable electric rate schedules: PG&E's electric rate Schedule AG-5, Special Condition 16 – *Optimal Billing Period Service*, PG&E's electric rate Schedule E-19 or B-19, Special Condition ~~21~~ 20 – *Optimal Billing Period Service*, or in PG&E's electric rate Schedule E-20 or B-20, Special Condition ~~19~~ 18 – *Optimal Billing Period Service*.

~~2.~~3. Terms and Conditions

The initial term of this Agreement shall be for a period of one (1) year from the date executed by PG&E. This Agreement shall continue thereafter for successive terms of one (1) year, provided, however, that either party shall have the right to terminate this Agreement at the expiration of the initial one (1) year term or anytime thereafter upon thirty (30) days written notice to the other party. However, if a customer terminates this agreement between anniversary dates, there shall be no entitlement to a refund for any portion of the most recent OBP fee payment to PG&E. Once terminated, the Customer will not be eligible for OBP service for twelve (12) months from the termination date. Should this OBP program terminate, PG&E reserves the right to terminate all Agreements upon the expiration date of the OBP service.

~~3.~~4. Designation of Subject Months

The Customer designates the six consecutive months of _____, _____, _____, _____, _____, and _____ as the high seasonal optimal billing period.

~~4.~~5. Annual Qualification

Customers must continue to meet the eligibility requirements stated in Section 1, above, to qualify for OBP service in subsequent one-year term(s).

~~5.~~6. Customer Notification to PG&E

The customer must notify PG&E via email and shall state in its subject line "OBP Notification" of its elected production start and/or end dates of the OBP service. The designation may not be implemented if it is not received or if it does not contain the specified information. A participating customer must email PG&E at least seventy-two (72) hours in advance of elected date(s). The customer should send emails to the following address: OptimalBillingNotifi@pge.com.

~~6.~~7. Commission Jurisdiction

This Agreement and PG&E's tariffs shall all times be subject to such changes or modifications by the California Public Utilities Commission (Commission) as said Commission may direct, from time to time, in the exercise of its jurisdiction.

THEREFORE, being a duly authorized representative of the Customer, I certify that I have read the foregoing and understand and agree to all terms and conditions.

Executed this _____ day of _____, _____.

BY:	BY:
_____	**PACIFIC GAS & ELECTRIC COMPANY**
Customer or Business Name	
_____	_____
Signature	*Signature*
_____	_____
Type or print name	*Type or print name*
_____	_____
Title	*Title*
_____	_____
Date	*Date*

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:
www.pge.com/includes/docs/pdfs/shared/newgenerator/solarwindgenerators/standardenet/customer_behalf_app.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.)

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, ~~or~~ E-20 or B-20), and AG-1 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

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 ____:_____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.

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	Overnight Mail: PG&E/Customer Fund Management Payment Processing Center

[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.

Sacramento, CA 95899-7340	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 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.

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:

www.pge.com/includes/docs/pdfs/shared/newgenerator/solarwindgenerators/standardenet/customer_behalf_app.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.)

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, ~~or~~ E-20 or B-20), and AG-1 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: www.consumerenergycenter.org/erprebate/equipment.html

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 ____:_____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.

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.

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

Please complete this agreement in its entirety

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:

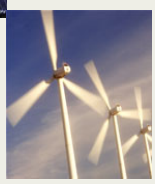
- the single line diagram to illustrate connection with the selected option provided in the Metering Standard
- the switchgear, switchboard, or main panel cut-sheets/shop drawings detailing the bussing, any modifications, clearances, and proposed point of interconnection. The proposal must include a 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.

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:
www.pge.com/includes/docs/pdfs/shared/newgenerator/solarwindgenerators/standardenet/customer_behalf_app.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.)

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:

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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.

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, ~~or~~ E20 or B-20), and AG-1 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: www.consumerenergycenter.org/erprebate/equipment.html

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

Please complete this agreement in its entirety

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.

AGREEMENT AND CUSTOMER AUTHORIZATION
Net Energy Metering 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 and participants in the Demand Response Programs below are not eligible to participate in NEM.
  - 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 NEM program.

Part I – Generating Facility Information and Responsible Parties

A. Customer and Generating Facility Information (*as it appears on the PG&E bill):

Standard NEM Agreement Type: ❑ Single Account ❑ Multiple Aggregated Accounts

Note: Net Energy Metering Aggregation (NEMA) is a program that allows customers with multiple meters to use the renewable energy generated at one meter (up to 1MW) 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* _____ State CA Zip* _____

Customer Phone Number _____ Email (if blank, Permission to Operate (PTO) letter will be mailed to mailing address on record) _____

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 _____

❑ **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 79-1151B 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.**

AGREEMENT AND CUSTOMER AUTHORIZATION
Net Energy Metering Interconnection For Solar And/Or Wind Electric Generating Facilities Of 30 Kilowatts Or Less

Pacific Gas and Electric Company

Part II – NEM Generator System Size

A. Interconnection Study and Requirements

This Agreement covers the installed Generating Facility nameplate listed in the accompanying Application Form 79-1151B.

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 79-1151B, and (3) a copy of the final signed jurisdiction approval (building permit) for your project.

NEM 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. For customers on a Time-of-Use rate, sizing your system to offset 80%-85% of your average electricity usage could be an effective way to minimize your electricity bill. For customer who are not on a Time-of-Use rate, you might want to size your system larger (90-95% of your annual load), in order to minimize your electricity bill. Of course, individual circumstances may vary. Customers can obtain their usage data from www.pge.com/greenbutton. System sizing eligibility will be reviewed using the criteria below.

B. Generator System Sizing

Generator System Type: ❒ Solar ❒ Wind ❒ Both

Estimated Annual Production:

- Solar Systems > 5 kW (CEC-AC kW) or any system with wind, size is determined below. Please continue to fill out all of Section B.
- The Solar CEC-AC kW calculated from the Application cannot exceed 5% of the CEC-AC kW listed above

	(1) Solar CEC-AC rating[A]	_____ (kW) X 1,664[B]	=	_____ (kWh)
AND/OR	(2) Wind Nameplate rating	_____ (kW) X 2,190[C]		_____ (kWh)
	(3) Total Energy Production	(1) + (2)		_____ (kWh)

Estimated Annual Energy Usage:

	(4) Recent annual usage	_____ (kWh) X 1.1	=	_____ (kWh)
OR (If 12 months usage not available)	(5) Building size	_____ (sq ft) X 3.32[D]	=	_____ (kWh)
AND	(6) I plan to increase my annual usage (kWh) by			_____ (kWh)
	(7) Total Energy Usage	(2 or 3) + (4)	=	_____ (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 J to read the provisions around Net Surplus Compensation (NSC).

[A] 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

[B] 8,760 hrs/yr x 0.19 solar capacity factor = 1,664

[C] 8,760 hrs/yr x 0.25 wind capacity factor = 2,190

[D] 2 watts/ sq ft x 1/1,000 watts x 8,760 hrs/yr x 0.19 solar capacity factor = 3.32

AGREEMENT AND CUSTOMER AUTHORIZATION
Net Energy Metering Interconnection For Solar And/Or Wind Electric Generating Facilities Of 30 Kilowatts Or Less

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 NEM Account: Select one rate from the category applicable to you. Visit www.pge.com/rateoptions or call (800)-PGE-5000 for rate information.

Residential Service Rate (Select one):

- ❑ E-1 – Non-Time-of-Use
- ❑ E-6 – Time-of-Use
- ❑ E-7[E] – Time-of-Use
- ❑ E-8[F] – Non-Time-of-Use
- ❑ E-9A[F] – Time-of-Use for Customers with a single meter for Electric Vehicle (EV) recharging station and home
- ❑ E-9B[F] – Time-of-Use for Customers with a separately metered EV recharging station
- ❑ EV-A[F] – Time-of-Use for Customers with a single meter for Electric Vehicle (EV) recharging station and home
- ❑ EV-B[G] – Time-of-Use for Customers with a separately metered EV recharging station
- ❑ Other (_____)

Small and Medium Commercial Service Rate (Select one rate and primary or secondary service voltage):

	Primary	Secondary
❑ A-1 – Small General Service	❑	❑
❑ A-6 – Small General Time-of-Use Service	❑	❑
❑ A-10 – Medium General Demand-Metered Service	❑	❑
❑ A-10 – Medium General Time-of-use Service	❑	❑
❑ B-1 – Small General Service	❑	❑
❑ B-6 – Small General Time-of-Use Service	❑	❑
❑ B-10 – Medium General Time-of-Use Service	❑	❑
❑ Other (_____)	❑	❑

Agricultural Power Service Rate: (Select one rate and rate option):

	A	B	C	D	E	F
❑ AG-1	❑	❑				
❑ AG-R[F] – Split-Week Time-of-Use	❑	❑		❑	❑	
❑ AG-V[F] – Short-Peak Time-of-Use	❑	❑		❑	❑	
❑ AG-4 – Time-of-Use	❑	❑	❑	❑	❑	❑
❑ AG-5 – Time of Use	❑	❑	❑	❑	❑	❑
❑ Other (_____)	❑	❑	❑	❑	❑	❑

If your current rate is a closed rate, as identified in Footnote F, and you are now opting to move to a non-closed rate per the Otherwise Applicable Rate Schedule (OAS) for NEM Account, please check the box below acknowledging that you are leaving the closed rate and will not be able to select the closed rate in the future.

❑ I acknowledge and consent to leaving my current rate that is a closed rate

[E] E-7, E-8, E-9A, E-9B, AG-R, and AG-V are closed to all new customers and are only available to Customers that are currently on the rate
[F] Rates effective August 1, 2013 for Customers with Electric Vehicles. Please visit www.pge.com/electricvehicles for more rate information

AGREEMENT AND CUSTOMER AUTHORIZATION
Net Energy Metering Interconnection For Solar And/Or Wind Electric Generating Facilities Of 30 Kilowatts Or Less

Part IV – Interconnection Agreement Provisions

A. Purpose

The purpose of this Net Energy Metering (NEM) Application and Interconnection Agreement for Solar and/or Wind Electric Generating Facilities of 30 Kilowatts or Less (Agreement) is to allow Customer to interconnect with Pacific Gas and Electric Company's (PG&E) Distribution System, subject to the provisions of this Agreement and PG&E's Electric Schedule Net Energy Metering (NEM). Customer has elected to interconnect and operate its solar and/or wind electric Generating Facility in parallel with PG&E's Distribution System to offset part or all of the Customer's own electrical requirements at this service point. Customer shall comply at all times with this Agreement as well as with all applicable laws, tariffs and requirements of the California Public Utilities Commission (CPUC).

B. Applicability

This Agreement applies to Electric Schedule NEM Customer-Generators (Customer) who interconnect a solar and/or wind turbine electrical 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.

C. 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.

D. 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.

E. 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 electrical 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.

F. 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 electrical 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.

G. 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.

H. Rate

Customer has confirmed their otherwise applicable rate schedule (OAS), establishing how 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.

I. NEM Billing

PG&E installs a "net meter" on a customer's property that measures the net energy, defined as the difference between the amount of electricity supplied by the energy provider and the amount of electricity exported to the grid over the course of a month. The Customer's account is enrolled in the NEM program and put on an annual (12- billing months) true-up cycle.

The meter is read monthly and an amount is calculated based on the net energy recorded in kilowatt hours (kWh). If a customer exported more electricity than they drew from PG&E 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.

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 NEM billing is available at www.pge.com/nembilling.

J. Net Surplus Compensation (NSC)

NSC payments are made to NEM 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. Participants in NEMA, please see provisions in Form 79-1153.

K. 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.

L. 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.

M. 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.

N. 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 NEM.

O. Meter Access

The electric meter must be installed in a safe location easily accessible upon PG&E request.

P. 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 NEM.

Q. 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.)

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.

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:

[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,
3. Evidence of the Customer 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.

Part IV – Interconnection Agreement Provisions – Continued

IMPORTANT INFORMATION FOR CUSTOMERS – BE SURE TO READ THIS ENTIRE DOCUMENT BEFORE SIGNING – THIS IS A LEGALLY BINDING CONTRACT – READ IT CAREFULLY.

THIS FORM MUST BE SIGNED BY AN EXISTING PG&E CUSTOMER.

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 will accept electronic signatures that are verified by qualified Third Parties such as, Adobe EchoSign, e-SignLive, and DocuSign for this Agreement if the Agreement is completed in its entirety before signing.

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 NEM requirements.

Pacific Gas and Electric Company

AGREEMENT FOR ECONOMIC DEVELOPMENT RATE ON ELECTRIC SERVICE

DISTRIBUTION

- ☐ Customer (Original)
- ☐ Area
- ☐ Service Analysis (Original)
- ☐ Customer Billing
- ☐ _____

REFERENCES

SA #: _____

Premises #: _____

Control #: _____

_____

_____

_____

This agreement is made between _____ _____ a(n)_____ ("Applicant"), and PACIFIC GAS AND ELECTRIC COMPANY (PG&E), a California Corporation, and if applicable, shall be made part of PG&E's Electric Service Agreement, General Service - Time Metered.

RECITALS: The Economic Development Rate (Schedule EDR) was established and is made available to qualified customers in PG&E's service territory, subject to approval by PG&E and the California Governor's Office of Business Investment Services (GO-Biz). Schedule EDR is a five-year rate reduction.

AGREEMENT: Applicant and PG&E agree to the following terms and conditions:

1. QUALIFICATION CRITERIA.
   (*Please mark the appropriate space below)*

a. _____ **Above 150 kW of demand**: Applicant is or will be a customer, eligible for and receiving service under Schedule A-10, E-19, ~~or~~ E-20, B-10, B-19 or B-20 or its successor rate schedule. A customer with multiple service accounts within a single aggregation envelope, as defined in PG&E's Schedule EDR, may aggregate load from their Schedule A-1, A-6, ~~and~~ A-10, B-1, B-6 and B-10 service accounts for purposes of meeting the minimum 150 kilowatts (kW) threshold required for eligibility under Schedule EDR, subject to the conditions in Schedule EDR. This customer must be a relocatable type of business; retail stores, hospitality services, schools, or government buildings are examples of customers types that cannot practicably relocate out-of-state. Customers receiving Direct Access service or service from a Community Choice Aggregator may also qualify for Schedule EDR.

The electric load subject to this agreement is a maximum billing demand of at least 150 kW of net new load to the state of California or of net retained load in the state of California, which is regularly supplied by PG&E. The minimum 150 kW of net new or retained load must be maintained for at least three consecutive months during the initial 12 months of this agreement. Only new or retained load that will be regularly served by PG&E will be eligible for this rate reduction.

b. _____ **150 kW of demand and below**: Applicant is or will be a Small Business Customer as defined herein, eligible for and receiving service under Schedule A-1, ~~or~~ A-6, B-1 or B-6 or its successor rate schedule, with less than 150 kW of load. All other conditions of Schedule EDR apply. This customer must be a relocatable type of business; retail stores, hospitality services, schools, or

government buildings are examples of customers types that cannot practicably relocate out-of-state. Customers receiving Direct Access service or service from a Community Choice Aggregator may also qualify for Schedule EDR. Only new or retained load that will be regularly served by PG&E will be eligible for this rate reduction.

Applicant eligibility shall be subject to the review and approval of the California Governor's Office of Business and Economic Development (GO-Biz), without which approval PG&E shall not be required to provide the rate reduction.

2. RATE REDUCTION. Electric service to Applicant's premises shall be delivered under Applicant's otherwise applicable tariff (OAT), which is _____. Subject to the customer's qualifications and availability under the program limits as set forth in Schedule EDR, *Economic Development Rate*, the applicable rate option will be one of the following (*Please mark the appropriate space below)*:

a. _____ The Standard EDR Option provides a rate reduction of twelve (12) percent off the customer's bundled net OAT charges (excluding taxes) for five years.

b. _____ The Mid-Enhanced EDR Option provides a rate reduction of eighteen (18) percent off the customer's bundled net OAT charges (excluding taxes) for five years for a customer (a) located in (i) a county with an annual unemployment rate between 130 percent and 150 percent of the state's average annual unemployment rate as reported on the most recent Report 400 C Monthly Labor Force Data for Counties, Annual Average Revised or (ii) a city with annual unemployment rates between 130 percent and 150 percent of the state's annual unemployment rate as reported on the most recent Monthly Labor Force Data for Cities and Census Designated Places Annual Average Revised, issued annually by the State of California Employment Development Department, and (b) either the county or city has an unemployment rate above five (5) percent.

c. _____ The Enhanced EDR Option provides a rate reduction of twenty-five (25) percent off the customer's bundled net OAT charges (excluding taxes) for five years for a customer (a) located in (i) a county with annual unemployment rates greater than 150 percent of the state's average annual unemployment rate as reported on the most recent Report 400 C Monthly Labor Force Data for Counties, Annual Average Revised or (ii) in a city with annual unemployment rates greater than 150 percent of the State's annual unemployment rate as reported on the most recent Monthly Labor Force Data for Cities and Census Designated Places, Annual Average Revised, issued annually by the State of California Employment Development Department, and (b) either the county or city has an unemployment rate above five (5) percent. Customers locating in a county or city where the unemployment rate is above 11 percent (based on the same State of California labor reports listed immediately above), even if the local unemployment rate is less than 150 percent of the state's unemployment rate,

are also eligible for the Enhanced EDR Option.

This rate reduction shall be calculated in the manner set forth in Schedule EDR. The rate reduction percentage shall be _____ percent for this agreement.

3. APPLICABLE LOAD. PG&E reserves the right to reduce the contracted demands stated by the Applicant below, if it is determined that the Applicant's actual load at full operation of the facility after the Commencement Date of this Agreement, is more than 10% less than the contracted maximum demands stated below.

[Please mark the appropriate space below, indicating whether this is an agreement for the Applicant's entire load or only a portion of the Applicant's load.]

a. _____ New Customer Locating or Existing Customer Retaining (includes avoidance of business closure) Entire Load in PG&E's Service Territory.

The Customer's entire load will be eligible for the rate reduction. The maximum contracted demand is estimated to be _____ kW.

b. _____ Retention of Customer's Partial Load or Expansion of Existing Customer's Load.

For expansion and retention cases for only part of a customer's load, the rate reduction will be calculated only on that portion of demand and usage added or retained. The contracted demand of the partially retained or expanded load is estimated to be _____ kW.

The Excluded Demands are determined by averaging the Applicant's four highest measured maximum demands during each of the two seasonal 6-month periods preceding the execution date of this agreement, if available. If Applicant separately meters the Reserved Demand, Applicant's Excluded Demand will be zero (0) for both seasons. PG&E and Applicant agree that the Excluded Demand is:

Summer period: _____kW

Winter period: _____kW

The EDR Ratio for each month is defined as the difference between the Applicant's maximum demand for that month and the Excluded Demand divided by that same month's maximum demand. If the EDR Ratio is negative, there will be no rate reduction for that month, or in other words, the EDR Ratio will be zero (0). The EDR Ratio shall be a fraction no greater than one (1) or less than zero (0).

4. COMMENCEMENT DATE. The rate reduction shall commence on the Applicant's regularly scheduled meter read day in the month of _____, 20____ which is within a 24-month period of the date of execution of this agreement as required by rate Schedule EDR, Special Condition 2.

5. METERING. Applicant agrees to be responsible for all costs associated with providing separate electric metering if PG&E, at its sole discretion, deems such metering a necessary condition to implement this rate. If Applicant is deemed to require separately metered reserved demand, Applicant must have metering in place before the rate reduction will apply. Applicant's inability to have required metering in place shall not delay the commencement date provided for in Section 4 by which Applicant would have otherwise received the rate reduction.

6. TERM OF AGREEMENT & NO RENEWALS. This agreement shall take effect immediately and remain in effect for a term of five (5) years following the commencement date of the rate reduction, subject to all of the other conditions of this agreement Applicant will not be eligible to receive a renewed EDR rate reduction agreement in the future for any load previously served under this agreement, or any previous PG&E Economic Development Program..

7. TERMINATION OF AGREEMENT. Applicant may terminate this agreement upon 30 days written notice. PG&E may also terminate this agreement upon 30 days written notice in the event Applicant no longer meets the qualifications described elsewhere in this Agreement and in rate Schedule EDR. Notwithstanding these rights of termination, the Applicant shall be subject to Liquidated Damages as provided for in Section 13 of this agreement

8. TRANSFERS OFF OF SCHEDULES A-10, E-19, ~~AND~~ E-20, B-10, B-19 AND B-20 (Does not apply to a Small Business Customer). If Applicant's maximum demand drops for a period of time so that the Applicant is no longer eligible for A-10, E-19, ~~or~~ E-20, B-10, B-19 or B-20, or its successor rate schedule, or if the Applicant's maximum billing demand falls under 150 kW for twelve consecutive months, the Applicant will be ineligible for continuing service under rate Schedule EDR, unless Applicant can establish – to PG&E's satisfaction – that the reduction was due to Applicant's energy usage reduction efforts.

9. ENERGY USAGE REDUCTION REQUIREMENT AND AUDIT. Applicant hereby grants to PG&E the right to conduct a plan review, site inspection and/or energy audit for the purpose of identifying and making available applicable energy usage reduction options. PG&E will advise Applicant of cost-effective energy usage reduction options, which may include. any energy efficiency projects, demand-side management solutions, participation in demand-response programs that reduce energy use by 5% over a year cumulatively, savings-by-design for new builds that exceed California's building requirements for energy reductions of 5% or more, on-site renewables generation, among other methods (but excluding fossil-fuel, on-site generation). Applicants for all three types of EDR rate reductions shall implement measures, such as those presented by PG&E, to achieve a 5% energy usage reduction during the term of this EDR agreement. Compliance with this energy usage reduction requirement will be determined through an on-site audit performed by PG&E during year three of this agreement. If

the audit shows the Applicant has not yet achieved a 5% energy usage reduction, PG&E may discontinue the rate reduction benefit for the remainder of the term of this agreement, or at PG&E's discretion, PG&E may establish an action plan to achieve at least a 5% energy usage reduction, and the plan shall include an additional audit to verify achievement of at least a 5% energy usage reduction within the fifth year of the agreement.

10. JOBS REPORTING. Applicant will report to PG&E by January 15 (or the first business day thereafter) of each year a listing of each job retained or created during the previous calendar year of the life of this agreement that is attributable to the Applicant's participation in the economic development rate program. Applicant will also include the amount of wage and benefits attributable to each job so listed.

11. THIRD-PARTY VERIFICATION. Applicants who are projected by PG&E to receive over one hundred thousand (100,000) dollars of savings per year from the EDR are subject to an annual, third-party, after-the-fact EDR audit. The purpose of the audit is to verify contribution to margin, the number of jobs created, wages and benefit information, and document other indirect economic benefits to the community. (See also Section 9 above regarding separate audit of 5% or more energy usage reduction, to take place during year three of the agreement.)

12. "BUT FOR" TEST. Applicant attests that "but for" the terms of this agreement, either on its own or in combination with a package of offerings and/or other incentives and consideration factors made available to the Applicant from other sources, the Applicant would not have moved its operations to California from elsewhere, or retained, or expanded its operations within California. Applicant shall sign the attached affidavit to that effect.

13. LIQUIDATED DAMAGES. If this agreement is terminated due to Applicant's misrepresentation or fraud, Applicant shall be liable for liquidated damages that equal 200% of the cumulative difference between (i) the bills calculated under the Schedule EDR rate to the date of termination; and (ii) bills that would have been calculated under the OAT.

14. ASSIGNMENT. Applicant may assign this agreement only if PG&E consents in writing and the party to whom the agreement is assigned agrees in writing to be bound by this agreement in all respects.

15. COMMISSION JURISDICTION. This contract shall at all times be subject to such changes or modifications 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. In addition, this contract shall be subject to all of PG&E's tariffs on file with and authorized by the Commission. This contract also shall be subject to review in any proceeding the Commission may conduct regarding PG&E's Economic Development Rate program implementation.

16. ATTESTATION AND VERIFICATION. Applicant attests and verifies that the information Applicant supplied to PG&E and any other reviewing agency used to qualify Applicant for Schedule EDR is true and correct to the best of Applicant's knowledge.

Executed this _____day of _____, 20____.

BY:	**BY:**
	PACIFIC GAS AND ELECTRIC COMPANY
_____ (Customer)	_____
_____ (Signature)	_____ (Signature)
_____ (Type/Print Name)	_____ (Type/Print Name)
_____ (Title)	_____ (Title)

AFFIDAVIT FOR ECONOMIC DEVELOPMENT RATE

By signing this affidavit, an Applicant who retains or expands load in the service territory of Pacific Gas and Electric Company (PG&E), or moves its operations to California from elsewhere, hereby certifies and declares under penalty of perjury under the laws of the state of California that the statements in the following paragraphs are true and correct:

1. But for the receipt of the economic development rate reduction and the terms of the Agreement, either on its own or in combination with an economic development incentive package, the Applicant's load would not have been retained or expanded within California, or moved to California from elsewhere.

2. The load to which the Agreement applies represents kilowatt-hours (kWh) and kilowatts (kW) that the Applicant is either:

   a. Using at a business which Applicant is considering closing in the state of California; or

   b. Expanded load at an existing business which Applicant is already operating, which Application was considering not expanding in the State of California; or

   c. Load which the Applicant did not have in the State of California but is considering moving to California from elsewhere.

3. Applicant has discussed with PG&E options for cost-effective energy usage reduction measures. The Applicant understands that during the term of this Agreement, Applicant must make energy usage reductions of at least 5% relative to existing building codes, which will in turn reduce their electric bills as well as the load they place on the Utility System.

Executed this _____day of _____, 20_____.

_____
Applicant

BY: _____
Signature

_____
(Type or print name)

TITLE: _____

I. Customer Enrollment Agreement - Electric Vehicle Submetering Pilot (Phase 1)

TERMS AND CONDITIONS

This Participation Agreement ("Agreement"), effective upon the date a Customer Enrollment Agreement is submitted, is entered into between Pacific Gas and Electric Company ("PG&E"), a California corporation, with principal offices located at 77 Beale St, San Francisco CA 94105, and customers that receive electric service from PG&E (hereafter, "Participant," "Customer," or "you"). PG&E and Participant are referred to jointly as "Parties."

A. PURPOSE AND OVERVIEW OF THE PHASE 1 PILOT

PG&E is conducting a temporary Plug-in Electric Vehicle (EV) Submeter Pilot. To participate in Phase 1 of the Pilot, Customers must read and agree to the terms and conditions of this Agreement and be eligible for an applicable separately-metered EV Rate. The customer enrollment process is described in the Customer Enrollment Agreement.

The applicable EV Rates require a separate meter to measure only the energy used to charge electric vehicles, which will be charged at a different rate than the rest of your residence or business. For this Pilot, the separate meter must be a submeter owned by the Customer or by a third party. This Pilot is available to eligible customers within all of PG&E's service districts and limited to 500 submeters on a first-come, first-served basis. Customers on a Net Energy Metering (NEM) rate are eligible but will be limited to 20% of the participation cap.

As a Participant in this Pilot, you agree to install an eligible Customer- or third party-owned submeter that meets the California Public Utilities Commission (CPUC)--approved Standards for Metering Products (accuracy and intervals) for the exclusive use of tracking the energy used to charge your electric vehicle to be billed on the applicable submeter Rate. Your Submeter Meter Data Management Agent (Submeter MDMA) will be required to collect and transmit your submeter usage data to PG&E as scheduled in the required format in compliance with the Submeter MDMA Performance Requirements (copy available upon request). You will retain sole responsibility for paying the entire monthly bill including EV and other charges regardless of any agreement between you and your Submeter MDMA.

This Pilot will begin on September 1, 2014. Any Customer enrolled in the Pilot will be eligible to participate for no more than 12 consecutive billing cycles; however the Customer may terminate participation in the pilot at any time. When Pilot participation ends, the submeter Rate will be terminated for the submetered account. Thereafter, any future electric vehicle charging will be billed at the Customer's otherwise applicable tariff rate for the primary meter. Customers are encouraged to contact PG&E to discuss available electric vehicle rates.

In addition, you agree to provide an independent evaluator paid by the Investor Owned Utilities (IOUs) with feedback on your experiences with Pilot participation, including enrollment, equipment installation, and billing. In accordance with the CPUC's instruction, this survey will not be burdensome. Additionally, you may be required to provide access to your home or facility for the evaluator to perform tests on your submeter. Such submeter testing is only required of five percent of participating customers. If your submeter is selected for testing, tests will be arranged at a convenient time, and your MDMA may be present. No adjustments to your primary or submetered accounts billed over the course of your participation in the Pilot will be made regardless of whether the submeter is found to violate CPUC meter accuracy standards.

B. ELIGIBILITY

To be eligible to participate in the Pilot, Participants must:

1. Have an active PG&E service account;
2. Have an eligible PG&E interval data recorder (IDR) meter;
3. Charge a plug-in electric vehicle at that account;
4. Have an approved submeter installed for the exclusive use of tracking the energy used to charge your electric vehicle;
5. Be a Bundled Service Customers or Community Choice Aggregation (CCA) customer (i.e. does not participate in Direct Access (DA) or Community Aggregation (CA) service;
6. Not participate in either the Balance Payment Plan or Automatic Payment Plan options offered by PG&E for the duration of their participation in this pilot if their Submeter MDMA provides remittance payments to PG&E. If participant is already enrolled in one of these plans, they must unenroll for just the duration of their participation in this pilot.

C. DUTIES AND OBLIGATIONS OF PG&E:

PG&E will:

1. Respond promptly to questions from a Submeter MDMA on customer's eligibility without disclosing confidential customer data.
2. Enroll you in the Pilot beginning with your next PG&E billing period, provided that you or your Submeter MDMA has submitted your complete Customer Enrollment Agreement at least five (5) business days prior to the end of your current billing period.
3. Receive your submeter EV usage information from your Submeter MDMA;
4. Use this information to separately calculate your usage for charging your electric vehicle on the applicable EV rate and the rest of your home or business usage on your current rate. Accuracy of your bill is dependent on receiving timely and accurate information from your Submeter MDMA and the accuracy of the submeter itself.
5. Late or incomplete EV submeter usage information will be disregarded (treated as if there was no EV usage for the time interval(s) involved) only where the Submeter MDMA action is the cause of the data transmission failure. As a result, any actual EV charging during these intervals will be billed at your current rate and will not be adjusted in any future bills if any EV usage data is subsequently received.
6. Provide you a summary bill reflecting all of your charges, including your submetered EV usage;
7. After 12 consecutive billing cycles PG&E will close your submeter account. Your entire usage will then be charged at your otherwise applicable rate.
8. Commercial/Industrial customers with submeter usage billed under a Time-of-Use tariff, shall receive a payment applied as a bill credit of $20/month per submeter. PG&E may petition the CPUC's Energy Division to terminate this ongoing customer payment, with no cost, liability, or further obligation, if Submeter MDMA fails to meet its performance requirements. These payments are applicable only for Phase 1 of the Pilot, which ends after 12 billing cycles for a customer participant and no later than August 31, 2016.

D. DUTIES AND OBLIGATIONS OF PARTICIPANT:

Participant or its agent will:

1. Install or have installed a qualified submeter[1] for the exclusive use of tracking the energy used to charge your electric vehicle;
2. Own the EV submeter and be entirely responsible for its ongoing maintenance and services.
3. Request the submeter to be placed on an applicable EV rate schedule for its electric vehicle charging usage during the Pilot.
4. Have a Submeter MDMA provide PG&E with your submeter usage data as scheduled in the required format in compliance with the MDMA performance requirements (copy available upon request).
5. The Submeter MDMA must report a customer drop out or change of address to PG&E within 10 days.

Participant will:

1. Provide an independent third party evaluator with feedback on your experiences with Pilot participation, including enrollment, equipment installation, and billing.
2. Agree that the EV submeter and submeter usage information may not meet the accuracy standards or metering tariff standards required by PG&E for general billing purposes, and waive all rights and remedies related to such accuracy standards and metering tariffs, including any information provided to Participant based on such submeter usage or other information through other PG&E programs or services. In addition, for purposes of the Pilot, Participant's EV usage will be billed solely based on the submeter data provided by the Submeter MDMA, which is solely responsible for the accuracy and timely delivery to PG&E of submeter usage information.
3. If selected, provide access and assistance to facilitate random meter testing by an independent 3rd Party Evaluator.
4. In the event the Participant has a change of address, be allowed to re-enroll for the remainder of the Participant's pilot term. For customers that relocate within the service territory: 1) their MDMA must submit a separate Customer Enrollment Agreement for their new service address at least five days before the end of the current billing period; and 2) they are eligible to reenroll in the Pilot after the Enrollment Period. Similarly, for customers that relocate to another IOU's service territory, they may reenroll if PG&E's 500 submeter limit has not been met.
5. Retain sole responsibility for paying the entire monthly bill including EV and other charges regardless of any agreement between you and your Submeter MDMA.

E. TERMINATION:

1. This Agreement shall be effective for no more than 12 consecutive billing cycles after Pilot enrollment.

[1] The IOUs included CPUC's Energy Division's Temporary Submetering Performance and Data Communication Requirements in EV Submeter Pilot Phase 1 Performance Standards for Metering and Meter Data Management Agents.

2. PG&E may petition the CPUC's Energy Division to terminate this Agreement, with no cost, liability, or further obligation, if Submeter MDMA fails to meet Submeter MDMA performance requirements for three consecutive months.
3. PG&E shall have the right to modify or immediately terminate this Agreement upon written notice to Participant if PG&E determines this Agreement would be inconsistent with, or violate any rule, regulation, or policy of the CPUC or other applicable laws or where Participant fails to satisfy its obligations as set forth in Section D above.
4. Participant shall notify PG&E promptly if Participant no longer desires to participate in the Pilot.
5. PG&E will notify the Participant if the Submeter MDMA service is terminated and the Participant may complete the remainder of the pilot subject to completing the requirements to re-enroll with an alternative Submeter MDMA.

F. NOTICES

PG&E will provide notices to Customer about this Pilot by email or mail to the customer name and address listed on the Customer Enrollment Agreement. Notices from customer to PG&E hereunder shall be in writing and must be either personally delivered; sent by facsimile transmission; or sent by registered or certified mail, postage prepaid, return receipt requested, as follows:

To PG&E:

PG&E Records Unit
PO Box 8329
Stockton, CA 95208
1-800-PGE-5000 (1-800-743-5000)

To Participant: Customer name and address as identified on PG&E customer account.

G. LIMITATION OF LIABILITY:

1. Participant shall indemnify, hold harmless and defend PG&E and its directors, employees, agents, and contractors from any and all costs, liabilities, claims and expenses, including those from death or injury to any person or from a loss or damage to any real, personal or other property, arising from, or in connection with, this Agreement, unless solely caused by the negligence or willful misconduct of PG&E.
2. In no event shall PG&E be liable for any incidental, indirect, special, consequential, or punitive damages (including lost income), for any cause of action, whether in contract or tort, arising in any manner from this Agreement or the performance or non-performance of its obligations under this Agreement, regardless of the cause or foreseeability thereof. Unless solely caused by PG&E's negligence or willful misconduct, and except as expressly stated otherwise in this Agreement, PG&E shall not be liable for any costs, liabilities, claims or expenses in connection with this Agreement, including any loss or damage to any Participant's property. Further, the amount of PG&E's aggregate liability or damages shall not exceed ten thousand dollars ($10,000.00).
3. Participant acknowledges that PG&E has not promised Participant energy or bill savings from use of the EV submeter and/or participation in the Pilot.

4. Participant will hold PG&E harmless for its participation in and use of any other PG&E programs or features during the course of this Pilot. Programs such as My Account and Green Button may be available to customers participating in this Pilot but the data may not be all inclusive.
5. Participant will hold PG&E harmless for its inability to participate in PG&E's Automatic Payment and Balance Payment Plan, during the course of this Pilot.

H. WARRANTY DISCLAIMER:

PG&E makes no warranties, whether statutory, express, or implied, including, but not limited to, any warranties regarding the safety, design, construction, function, performance, fitness for a particular purpose, or placement of customer-owned or third party owned submeters, or any benefits to be derived from the placement, operation, or use of the customer owned or third party owned submeters.

I. APPLICABLE LAW:

This Agreement shall be interpreted, governed and construed under the laws of the State of California, without reference to its choice of law provisions, and it is subject to modifications by the California Public Utilities Commission in the exercise of its jurisdiction.

J. ENTIRE AGREEMENT:

This Agreement contains the entire agreement and understanding between the Parties related to Participant's participation in the Pilot, except for additional terms and conditions that are subsequently made a part of PG&E's tariffs as part of the further implementation of this Pilot. This Agreement supersedes all prior representations and discussions between PG&E and Participant pertaining to its subject matter. 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.

K. **APPLICABLE PG&E RATE FOR PHASE ONE OF THIS PILOT**:

1. Where the Primary Meter qualifies for Residential Service:

   •*Rate Schedule EV, option B*

2. Where the Primary Meter qualifies for Commercial/Industrial Service

   Rate Schedule A-1 or B-1 (customers < 75 kW)

   Rate Schedule A-10 or B-10 (customers > 75 kW < 500 kW)

   Rate Schedule A-6 or B-6 (customers with demands < 500 kW)

   Rate Schedule NEM may be applied as a "rider" to all the schedules above and would be applicable to customers with photovoltaic (PVs) meeting the tariff requirements.

More detail on these rates can be found at **http://www.pge.com/tariffs**

Customer Enrollment Agreement Instructions

STEP 1: Read the Plug-In Electric Vehicle Submetering Pilot (Phase 1) Participation Agreement in its entirety

STEP 2: Install an eligible Submeter(s), if not already installed, owned or leased by you or your Electric Vehicle Service Provider (EVSP)

STEP 3: Retain the services of a PG&E-approved Submeter Meter Data Management Agent (Submeter MDMA)

STEP 4: Complete this Customer Enrollment Agreement (Your Submeter MDMA may assist you with completing the form)

STEP 5: Sign the last page of this form (Section 4) to authorize the Entire Agreement

STEP 6: Have your Submeter MDMA sign the last page of this form (Section 5) to authorize the Entire Agreement

STEP 7: You or Your Submeter MDMA must submit this Customer Enrollment Agreement to PG&E for processing

- Retain a copy of the completed Agreement for your records
- You or your Submeter MDMA must submit this Agreement at least five (5) business days before end of your billing period for you to be enrolled in the next billing period
- Form may be submitted to PG&E at the contact below:

PG&E Records Unit
PO Box 8329
Stockton, CA 95208
1-800-PGE-5000 (1-800-743-5000)

- Commercial Customers supported by a PG&E Representative may be provided this form directly

Processing:
PG&E will review the Agreement and reply as follows:

- If Agreement is incomplete or inaccurate: You and your Submeter MDMA are notified. You and your Submeter MDMA complete Agreement and resubmits to PG&E
- If Agreement is complete: Enrollment process continues. Upon completion, PG&E will inform you and your Submeter MDMA when your EV Submetering Pilot (Phase 1) participation begins.

Authorization To Release Customer information And Act On A Customer's Behalf

INFORMATION, ACTS AND FUNCTIONS AUTHORIZED:

By signing this form to add the customer service account(s) set forth below, I, Customer, authorize my Agent (the Submeter MDMA) to act on my behalf to request and receive billing, usage, and meter data for the account(s) specified herein, to the extent such billing, usage, and meter data is associated with my dates of enrollment in the Pilot. This authorization also provides authority to the Submeter MDMA to act on my behalf of request rate changes necessary to participate in the Pilot.

I (Customer) authorize my Submeter MDMA to act on my behalf to perform the following selected specific acts and functions:

1) Yes ☐ No ☐ Request rate changes necessary for me to participate in the Electric Vehicle Pilot (Phase 1).
2) Yes ☐ No ☐ Receive a copy of my monthly PG&E bill for the duration of my participation in the Electric Vehicle Pilot (Phase 1).

Authorization is given for the period commencing with the date of execution of this Agreement until either the pilot ends or I decide to terminate my participation. If I, Customer, wish to release additional information to my agent, Submeter MDMA, or extend the timeframe during which this information will be released, I acknowledge that I must complete, sign and submit PG&E Form (79-1159).

Yes ☐ No ☐ I (MDMA) will provide PG&E remitted payments to be credited toward (Customer's) account as part of my submetering service.

I understand that if my submeter MDMA provides remittance payments to PG&E, I cannot participate in either the Balance Payment Plan or Automatic Payment Plan options offered by PG&E for the duration of my participation in this Pilot. If I am already enrolled in one of these plans, I must unenroll for the duration of my participation in this Pilot.

RELEASE OF ACCOUNT INFORMATION:

I (Customer), _____(print name of authorized signatory), declare under penalty of perjury under the laws of the State of California that I am authorized to execute this document on behalf of the Customer of Record listed on this form and that I have authority to financially bind the Customer of Record. I further certify that my Submeter MDMA, _____ (print name of Submeter MDMA), has authority to act on my behalf and request the release of information for the accounts listed on this form and perform the specific acts and functions listed above, including rate changes. I understand that PG&E reserves the right to verify any authorization request submitted before releasing information or taking any action on my behalf. I authorize PG&E to release the requested information on my account or facilities to the above Submeter MDMA who is acting on my behalf regarding the matters 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 release of information to my Submeter MDMA pursuant to this Authorization; 2) the unauthorized use of this information by my Submeter MDMA; and 3) from any actions taken by my Submeter MDMA pursuant to this Authorization, including rate changes. I understand that I may cancel this authorization at any time by submitting a written request.

REVOCATION:

Customer may cancel this Authorization at any time by contacting PG&E at (415) 973-0335. Consent from the Submeter MDMA is not required for Customer to cancel this Authorization. To the extent the

Pilot expires or otherwise terminates, the Authorization granted herein will automatically be revoked regardless of whether the Customer submits a request to cancel the Authorization.

Entire Agreement This Agreement, together with the applicable EV Rate and Plug-in Electric Vehicle Submetering Pilot Terms and Conditions, contains the entire agreement and understanding between the Parties related to Participant's participation in the Pilot, except for additional terms and conditions that are subsequently made a part of PG&E's tariffs as part of the further implementation of this Pilot. This Agreement supersedes all prior representations and discussions between PG&E and Participant pertaining to its subject matter.

Section 1 **Property Type (Check one)**

❑ Detached Home (Residential)
❑ Multi-family Dwelling/Attached Home (Residential)
❑ Commercial (Business)

Section 2 **PG&E Customer Account Information**

_ _ – _ _ _ – _ _ _ – _ _ _ _
Customer
Account Number *(Appears below your name on your PG&E bill)*

_ _ _ _ _ _ _ _ _ _
Primary PG&E Electric Meter ID Number

Print First and Last Name *(As it appears on the PG&E bill)*

Customer Account Street Address

City | State | Zip

Telephone Number | Email Address (To be used for communications regarding Pilot)

If Commercial Account: Business Name | Contact Name | Title

** Alternate Mailing Address (Provide if applicable):*

Street Address

City | State | Zip

Section 3 **Submeter Information** *(If customer elects to have multiple Submeters, up to 19, please attach separate sheet for each submeter. Note: Multiple level submeters not allowed.)*

Submeter unique identifier *(Appears on the Submeter)*

Submeter Provisioning

Date Submeter(s) installed:

Expected Level of EV Charging (Level 1, 2 or 3)

Check all applicable statements:

☐ I (customer) verify that any Electric Vehicle Supply Equipment (EVSE), EVSE with embedded submeter, and/or stand-alone submeter installed prior to the Pilot was certified by an Occupational Safety & Health Administration (OSHA)-approved Nationally Recognized Testing Laboratory (NRTL). Any EVSE, EVSE with embedded submeter, stand-alone submeter, and related PEV charging circuits, were installed by a person or entity with a general electrical contractor's license issued by the California Contractors State License Board and obtained any required inspection and approval by the local Authority Having Jurisdiction (AHJ). The OSHA-approved list of NRTLs is maintained at: https://www.osha.gov/dts/otpca/nrtl/.

EVSE:	Manufacturer:	Model:	☐ NRTL Certified
EVSE with embedded submeter:	Manufacturer:	Model:	☐ NRTL Certified
Stand-alone submeter:	Manufacturer:	Model:	☐ NRTL Certified

☐ I (customer) verify that any EVSE, EVSE with embedded submeter, and/or stand-alone submeter installed as part of the Pilot is Underwriters Laboratories (UL)-certified or meets PG&E safety standards. Any EVSE, EVSE with embedded submeter, stand-alone submeter and related PEV charging circuits were installed by a person or entity with a general electrical contractor's license issued by the California Contractors State License Board and obtained any required inspection and approval by the local AHJ.

EVSE:	Manufacturer:	Model:	☐ UL Certified
EVSE with embedded submeter:	Manufacturer:	Model:	☐ UL Certified
Stand-alone submeter:	Manufacturer:	Model:	☐ UL Certified

Section 4 **Customer & Submeter MDMA Authorization**

[This form must be signed by someone who has authority to financially bind the customer]
[for example, CFO of a company or City Manager of a municipality]

Authorized Customer Signature	Print Name
Date	Phone Number
City and State Where Executed	

****

I (Submeter MDMA), hereby 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 and from the taking of any action pursuant to this authorization, including rate changes provided such utility action is consistent with applicable CPUC orders, tariffs and regulations.

Authorized Agent Signature	Company Name
Agent Name (Print)	Title
Street Address	Phone Number
City, State, ZIP	Email Address
Date	City and State Where Executed

PLUG-IN ELECTRIC VEHICLE SUBMETERING PILOT PHASE 2

Single Customer-of-Record Enrollment Agreement

Terms and Conditions

This Participation Agreement ("Agreement"), effective upon the date a Customer Enrollment Agreement (CEA) is submitted, is entered into between Pacific Gas & Electric (PG&E), the customer that receives electric service from PG&E (hereafter, "Participant," "Customer," or "you") and the Submeter Meter Data Management Agent (Submeter MDMA) providing data management services. PG&E, Participant and Submeter MDMA are referred to jointly as "Parties."

A. Purpose and Overview of the Phase 2 Pilot

PG&E is conducting a temporary Plug-in Electric Vehicle (EV) Submeter Phase 2 Pilot. To participate in the Phase 2 Pilot, Customers must read and agree to the terms and conditions of this Agreement and be eligible for an applicable separately-metered EV Rate. The customer enrollment process is described in the Customer Enrollment Agreement.

The applicable EV Rate requires a separate meter to measure only the energy used to charge electric vehicles. PG&E will set up a separate service account and the energy used to charge EVs will be billed on the applicable EV rate schedule. The rest of the energy used at your residence or business will be billed at your otherwise applicable tariff. For the Phase 2 Pilot, the separate meter must be a submeter owned by the Customer or by a third-party. The Phase 2 Pilot is available to eligible customers within all of PG&E's service districts and limited to 500 submeters on a first-come, first-served basis. Customers on a Net Energy Metering (NEM) rate are eligible but will be limited to 20% of the participation cap (100 submeters).

As a Participant in the Phase 2 Pilot, you agree to install an eligible Customer- or third-party-owned submeter that meets the California Public Utilities Commission (CPUC) approved Submeter MDMA Registration Agreement, Attachment 1 - Performance Standards for Metering and Submeter Meter Data Management Agents, for the exclusive use of tracking the energy used to charge your electric vehicle to be billed on the applicable EV rate. Your Submeter MDMA will be required to collect and transmit your submeter usage data to PG&E as scheduled in the required format in compliance with the Submeter MDMA Performance Requirements (copy available upon request). You will retain sole responsibility for paying the entire monthly bill including EV and other charges regardless of any agreement between you and your Submeter MDMA. Your Submeter MDMA will be the single point-of-contact for all submeter data issues regardless of any agreement you or the Submeter MDMA may have with other organizations providing Submeter Pilot services on its or your behalf. PG&E will be the single point-of-contact for all PG&E billing issues.

The Phase 2 Pilot will begin on November 1, 2016, and enrollment will end on April 30, 2017. Any Customer enrolled in the Phase 2 Pilot will be eligible to participate for no more than 12 consecutive billing cycles; however, the Customer may terminate participation in the Phase 2 Pilot at any time by contacting PG&E. When Phase 2 Pilot participation ends, the EV rate will be terminated for the submetered account. Thereafter, any future electric vehicle charging will be billed at the Customer's otherwise applicable tariff rate for the primary meter. Customers are encouraged to contact PG&E to discuss available electric vehicle rates.

In addition, you agree to provide an independent evaluator, Nexant, paid by the Investor Owned Utilities (IOUs), with feedback on your experiences with Phase 2 Pilot participation, including enrollment, equipment installation, and billing. In accordance with the CPUC's instruction, this survey will not be burdensome. Additionally, you may be required to provide access to your home or facility for the

evaluator to perform tests on your submeter. Such submeter testing is only required of five percent of participating customers. If your submeter is selected for testing, tests will be arranged at a convenient time, and your Submeter MDMA may be present. No adjustments to your primary or submetered accounts billed over the course of your participation in the Phase 2 Pilot will be made regardless of whether the submeter is found to violate CPUC meter accuracy standards.

B. ELIGIBILITY

To be eligible to participate in the Phase 2 Pilot, Participants must:

1. Have an active PG&E service account with no Past Due Bills or Summary Bills (as defined by Rule 11).

2. Have an eligible PG&Einterval data recorder (IDR) SmartMeter®.

3. Charge a plug-in electric vehicle at that account.

4. Have an approved submeter installed for the exclusive use of tracking the energy used to charge their electric vehicle.

5. Be a Bundled Service Customers or Community Choice Aggregation (CCA) customer [i.e. does not participate in Direct Access (DA) or Community Aggregation (CA) service].

6. Not be on PG&E's EV-TOU rate (EV-A). If Participant is already enrolled, they must unenroll for the duration of their participation in the Phase 2 Pilot. If the customer is on EV-A PG&E will automatically enroll the customer on the E-1 rate upon enrollment and for the duration of the Phase 2 Pilot unless instructed otherwise.

7. Not participate in the Smart Rate/Smart Day program. If Participant is already enrolled, they must unenroll for just the duration of their participation in the Phase 2 Pilot.

8. Not participate in either the Budget Billing or Automatic Payment Plan options offered by PG&E for the duration of their participation in the Phase 2 Pilot if their Submeter MDMA provides remittance payments to PG&E. If participant is already enrolled in one of these plans, Participant must unenroll for just the duration of their participation in the Phase 2 Pilot.

9. Not participate in the California Independent System Operator (CAISO) sponsored demand response programs facilitated through Electric Rule 24.

C. DUTIES AND OBLIGATIONS OF PG&E:

PG&E will:

1. Respond promptly to questions from a Submeter MDMA on customer's eligibility without disclosing confidential customer data.

2. Enroll you in the Phase 2 Pilot beginning with your next PG&E billing period, provided that your Submeter MDMA has submitted your complete Customer Enrollment Agreement (CEA) at least five (5) business days prior to the end of your current billing cycle and if the volume of customer

agreements in process at that time does not exceed an average of five (5) agreements per business day over any five (5) business day period. In that event, your enrollment will be effective beginning with your subsequent PG&E billing period. Note: A CEA is not considered complete if it contains inaccurate, missing or crossed-out information.

3. Set up your separate service account and bill for energy used to charge your EV on the applicable EV rate schedule (i.e. Residential: EV-B; Commercial/Industrial: Rate Schedule A-1, A-10, ~~or~~ A6, B-1, B-6 or B-10, depending on demand level);

4. Receive your submeter EV usage information from your Submeter MDMA;

5. Use this information to separately calculate your usage for charging your electric vehicle on the applicable EV rate and the rest of your home or business usage on your current rate. Accuracy of your bill is dependent on receiving timely and accurate information from your Submeter MDMA and the accuracy of the submeter itself.

6. Late, incomplete, or inaccurate EV submeter usage information will be disregarded [treated as if there was no EV usage for the time interval(s) involved] only where the Submeter MDMA action is the cause of the data transmission failure. As a result, any actual EV charging during these intervals will be billed at your current rate and will not be adjusted in any future bills if any EV usage data is subsequently received.

7. Work with you and your MDMA to resolve any disputes. Your Submeter MDMA will be the single point-of-contact for all submeter data issues regardless of any agreement you or the Submeter MDMA may have with other organizations providing Submeter Pilot services on your or your Submeter MDMAs behalf. PG&E will be the single point-of-contact for all PG&E billing issues.

8. Provide you a summary bill reflecting all of your charges, including your submetered EV usage.

9. After 12 consecutive billing cycles PG&E will close your submeter account. Your entire residence or business usage, including your EV usage, will then be charged at your otherwise applicable rate.

D. DUTIES AND OBLIGATIONS OF PARTICIPANT:

Participant or its agent will:

1. Install or have installed a qualified submeter[1] for the exclusive use of tracking the energy used to charge your electric vehicle;

2. Own the EV submeter and be entirely responsible for its ongoing accuracy, maintenance and services.

3. Acknowledge that the submetered account will be set up and electric vehicle charging usage during the Phase 2 Pilot will be billed on the applicable EV rate schedule.

[1] Submeter MDMA Registration Agreement, Attachment 1: *EV Submeter Pilot Phase 2 Performance Standards for Metering and Meter Data Management Agents.*

4. Have an approved Submeter MDMA provide PG&E with your submetered usage data as scheduled in the required format in compliance with the Submeter MDMA performance requirements (copy available upon request).

Participant will:

1. Provide an independent third-party evaluator with feedback on your experiences with Phase 2 Pilot participation, including enrollment, equipment installation, and billing.

2. Authorize the Submeter MDMA to submit this CEA to PG&E on behalf of the Participant.

3. Provide access and assistance to facilitate random meter testing by an independent third-party evaluator, if selected.

4. Acknowledge that the EV submeter usage information may not meet the accuracy standards required by PG&E for billing purposes. The Phase 2 Pilot Participant's EV usage will be billed based on the submetered data provided by the Submeter MDMA, who is solely responsible for the accuracy and timely delivery to PG&E of submetered usage information.

5. Retain sole responsibility for paying the entire monthly bill including EV usage and other charges regardless of any agreement between you and your Submeter MDMA.

6. Contact your Submeter MDMA who will be the single point-of-contact for all submeter data issues regardless of any agreement you or your Submeter MDMA may have with any third party providing services on your or your Submeter MDMA's behalf.

7. Contact PG&E, who will be the single point-of-contact for all PG&E billing issues.

8. Be allowed to re-enroll for the remainder of Participant's Phase 2 Pilot term of 12 consecutive billing cycles in the event the Participant has a change of address. For customers that relocate within PG&E's service territory: 1) their Submeter MDMA must submit a new, separate Customer Enrollment Agreement for their new service address at least five days before the end of the current billing period; and 2) they are eligible to reenroll in the Phase 2 Pilot after the Enrollment Period. Similarly, customers that relocate to another IOU's service territory may reenroll for the remainder of Participant's Phase 2 Pilot term if the other IOU's 500 submeter limit has not been met.

9. Notify PG&E of a change-of-address or request to end Phase 2 Pilot participation at any time before the completion of 12 billing cycles. Customers can email PG&E at PEVSP@pge.com or can call PG&E at 1-800-PGE-5000 (1-800-743-5000).

E. TERMINATION:

1. This Agreement shall be effective for no more than 12 consecutive billing cycles after Phase 2 Pilot enrollment.

2. PG&E may petition the CPUC's Energy Division to terminate this Agreement, with no cost, liability, or further obligation, if the Submeter MDMA fails to meet Submeter MDMA performance requirements for three consecutive months.

3. PG&E shall have the right to modify or immediately terminate this Agreement upon written notice to Participant if PG&E determines this Agreement would be inconsistent with, or violate any rule, regulation, or policy of the CPUC or other applicable laws or if Participant fails to satisfy its obligations pursuant to this Agreement.

4. Participant shall email or call PG&E promptly if Participant no longer desires to participate in the Phase 2 Pilot. Customers can email PG&E at PEVSP@pge.com or can call PG&E at 1-800-PGE-5000 (1-800-743-5000).

5. PG&E will notify Participant if the Submeter MDMA service is terminated and Participant may complete the remainder of its 12 consecutive billing cycles subject to completing the requirements to re-enroll with an alternative Submeter MDMA.

F. NOTICES

PG&E will provide notices to Customer about the Phase 2 Pilot by email or mail to the Customer name and address listed on the Customer Enrollment Agreement. Notices from Customer to PG&E, except Disenrolling from the Phase 2 Pilot per section E. 4, hereunder shall be in writing and sent via electronic mail*:*

By Email: PEVSP@pge.com

NOTE: If you cannot send enrollment via electronic mail, please contact PG&E at 1-800-PGE-5000 (1-800-743-5000).

G. LIMITATION OF LIABILITY:

1. Participant shall indemnify, hold harmless and defend PG&E and its directors, employees, agents, and contractors from any and all costs, liabilities, claims and expenses, including those from death or injury to any person or from a loss or damage to any real, personal or other property, arising from, or in connection with, this Agreement, unless solely caused by the negligence or willful misconduct of PG&E.

2. In no event shall PG&E be liable for any incidental, indirect, special, consequential, or punitive damages (including lost income), for any cause of action, whether in contract or tort, arising in any manner from this Agreement or the performance or non-performance of its obligations under this Agreement, regardless of the cause or foreseeability thereof. Unless solely caused by PG&E's negligence or willful misconduct, and except as expressly stated otherwise in this Agreement, PG&E shall not be liable for any costs, liabilities, claims or expenses in connection with this Agreement, including any loss or damage to any Participant's property. Further, in no event shall the amount of PG&E's aggregate liability or damages shall not exceed ten thousand dollars ($10,000.00).

3. Participant acknowledges that PG&E has not promised Participant energy or bill savings from use of the EV submeter and/or participation in the Phase 2 Pilot.

4. Participant will hold PG&E harmless for its participation in and use of any other PG&E programs or features during the course of the Phase 2 Pilot. Programs such as My Account, Green Button, and Budget Assistant may be available to customers participating in the Phase 2 Pilot but the accuracy of the data may be affected.

5. Participant will hold PG&E harmless for its inability to participate in PG&E Direct Pay, Level Pay Plan, Peak Time Rebate (Save Power Day), and any CAISO-sponsored demand response programs facilitated through Electric Rule 24 during the course of the Phase 2 Pilot.

H. WARRANTY DISCLAIMER:

PG&E makes no warranties, whether statutory, express, or implied, including, but not limited to, any warranties regarding the safety, design, construction, function, performance, fitness for a particular purpose, or placement of customer-owned or third-party owned submeters, or any benefits to be derived from the placement, operation, or use of the customer owned or third-party owned submeters.

I. APPLICABLE LAW:

This Agreement shall be interpreted, governed and construed under the laws of the State of California, without reference to its choice of law provisions, and it is subject to modifications by the California Public Utilities Commission in the exercise of its jurisdiction.

J. ENTIRE AGREEMENT:

This Agreement contains the entire agreement and understanding between the Parties related to Participant's participation in the Phase 2 Pilot, except for additional terms and conditions that are subsequently made a part of PG&E's tariffs as part of the further implementation of the Phase 2 Pilot. This Agreement supersedes all prior representations and discussions between PG&E and Participant pertaining to its subject matter. 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.

K. APPLICABLE PG&E RATES FOR PHASE 2 PILOT:

1. Where the Primary Meter qualifies for Residential Service:

- Rate Schedule EV, option B

2. Where the Primary Meter qualifies for Commercial/Industrial Service

- Rate Schedule A-1 or B-1 (customers < 75 kW)
- Rate Schedule A-10 or B-10 (customers > 75 kW < 500 kW)
- Rate Schedule A-6 or B-6 (customers with demands < 500 kW)

More detail on these rates can be found at **http://www.pge.com/tariffs/ERS.SHTML#ERS**

Special Notes:

Rate Schedule NEM may be applied as a “rider” to all the schedules above, subject to the 100 submeter cap, and would be applicable to customers with photovoltaic systems meeting the tariff requirements.

All charges and provisions of the customer’s current tariff shall apply to the primary meter, except that the PEV usage, as measured by the submeter, will be billed on an applicable PEV rate schedule.

Any exceptions to the above rates are defined in Schedule PEVSP Phase 2, Special Condition 17.

PLUG-IN ELECTRIC VEHICLE SUBMETERING PILOT PHASE 2

Single Customer-of-Record Enrollment Agreement

Single Customer of Record Enrollment Agreement Instructions

Instructions to Customer:

STEP 1: Read the Plug-In Electric Vehicle Submetering Phase 2 Pilot Participation Agreement in its entirety

STEP 2: Install an eligible submeter(s) (i.e. EVSE with embedded submeter or stand-alone submeter) owned or leased by you or a third party

STEP 3: Retain the services of a CPUC-approved Submeter Meter Data Management Agent (Submeter MDMA)

STEP 4: Complete this Customer Enrollment Agreement (your Submeter MDMA may assist you with completing the form)

STEP 5: Sign the last page of this form (Section 4) to authorize the entire Agreement

STEP 6: Have your Submeter MDMA sign the last page of this form (Section 4) to authorize the entire Agreement.

STEP 7: Your Submeter MDMA must submit this Customer Enrollment Agreement to PG&E for processing:

- At least five (5) business days before the end of your billing cycle for you to be enrolled in the next billing cycle, subject to the exceptions described above
- By Email: PEVSP@pge.com

NOTE: If you cannot send enrollment via electronic mail, please contact PG&E at 1-800-PGE-5000 (1-800-743-5000).

STEP 8: Retain a copy of the completed Agreement for your records.

Processing:

PG&E will review the Agreement and reply as follows:

- If Agreement is not complete (i.e. contains inaccurate, missing or crossed-out information): You and your Submeter MDMA are notified. You and your Submeter MDMA must complete and sign and date a new Agreement correcting the error(s) and resubmit to PG&E.
- If Agreement is complete: Enrollment process continues. Upon completion, PG&E will inform you and your Submeter MDMA when your EV Phase 2 Pilot participation begins.

For questions or for more information regarding this agreement, customers **can email PG&E at PEVSP@pge.com or can call PG&E at 1-800-PGE-5000 (1-800-743-5000).**

Entire Agreement This Agreement, together with the applicable EV Rate and Phase 2 Pilot Terms and Conditions, contains the entire agreement and understanding between the Parties related to Participant's

participation in the Phase 2 Pilot, except for additional terms and conditions that are subsequently made a part of PG&E's tariffs or as modified by the Commission in the exercise of its jurisdiction. This Agreement supersedes all prior representations and discussions between PG&E and Participant pertaining to its subject matter.

Section 1 **Property Type (Check one)**
❑ Detached Home (Residential) ❑ Multi-family Dwelling/Attached Home (Residential) ❑ Commercial (Business)

Section 2 **PG&E Customer Account Information**

2 – __ __ – __ __ __ – __ __ __ __
Customer Account Number (Appears below your name on your PG&E bill)
__ __ __ __ __ __ – __ __ __ __ __ __
Primary PG&E Electric Meter ID Number (Appears below the "Compare the Electricity You Are Using" header section on the first page of your bill; Enter 9s for non-metered service)

_____ _____
First and Last Name (As it appears on your bill) Print Name

_____ _____ _____ _____
Service Account Street Address City State Zip

__ __ __ – __ __ __ – __ __ __ _____@_____
Telephone Number Email Address (To be used for communications regarding Phase 2 Pilot)

_____ _____ _____
If Commercial Account: Business Name Contact Name Title

* Alternate Mailing Address (Provide if applicable):

_____ _____ _____ _____
Street Address City State Zip

Section 3 MDMA **Submeter Information** (If customer elects to have multiple submeters, up to 19, please attach separate sheet for each submeter. Note: Multiple level submeters in a series are not allowed.)

_____
Submeter unique identifier (Appears on the Submeter)

Date Submeter(s) installed: __ __ / __ __/ __ __

Expected charging demand (kW): _____

Check the appropriate box below.

☐ Single Customer-of-Record Scenario #1

☐ Single Customer-of-Record Scenario #2

PLUG-IN ELECTRIC VEHICLE SUBMETERING PILOT PHASE 2

Single Customer-of-Record Enrollment Agreement

Check all applicable statements below and complete table for your specific device(s)

Devices installed prior to Phase 2 Pilot:

☐ Any Electric Vehicle Supply Equipment (EVSE), EVSE with embedded submeter, and/or stand-alone submeter installed prior to the Phase 2 Pilot must have been certified by an Occupational Safety & Health Administration (OSHA)-approved Nationally Recognized Testing Laboratory (NRTL). Any EVSE, EVSE with embedded submeter, stand-alone submeter, except a plug-in EVSE or EVSE with embedded submeter[1], and related PEV charging circuits, must have been installed by a person or entity with a general electrical contractor's license issued by the California Contractors State License Board and must obtain any required inspection and approval by the local Authority Having Jurisdiction (AHJ). The OSHA-approved list of NRTLs is maintained at: https://www.osha.gov/dts/otpca/nrtl/

Device	Manufacturer	Model	NRTL Certified
EVSE			☐
EVSE with Embedded Submeter			☐
Stand-alone Submeter			☐

Devices installed as part of the Phase 2 Pilot:

☐ Any EVSE, EVSE with embedded submeter, and/or stand-alone submeter installed as part of the Phase 2 Pilot must be certified to Underwriters Laboratories (UL) standards by an OSHA-approved NRTL or meet PG&E's safety standards. Any EVSE, EVSE with embedded submeter, stand-alone submeter, except a plug-in EVSE or EVSE with embedded submeter,[1] and related PEV charging circuits must be installed by a person or entity with a general electrical contractor's license issued by the California Contractors State License Board and must obtain any required inspection and approval by the local AHJ.

Device	Manufacturer	Model	UL Std./NRTL Certified
EVSE			☐
EVSE with Embedded Submeter			☐
Stand-alone Submeter			☐

PLUG-IN ELECTRIC VEHICLE SUBMETERING PILOT PHASE 2

Single Customer-of-Record Enrollment Agreement

Section 4 **Customer & Submeter MDMA Authorization**

Customer:

I (Customer), _____(print name of authorized signatory), declare under penalty of perjury under the laws of the State of California that I am authorized to execute this document on behalf of the Customer of Record listed on this form and that I have authority to financially 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 any actions taken by my Submeter MDMA. I understand that I may cancel my participation in the Phase 2 Pilot at any time by calling PG&E. Customers can email PG&E at PEVSP@pge.com or can call PG&E at 1-800-PGE-5000 (1-800-743-5000).
.

☐ By checking the box, you are signing this Customer Enrollment Agreement electronically. You agree that your electronic signature is the legal equivalent of your manual or "wet" signature on this Agreement as of the date on this Agreement. By typing your name, entering the date, and checking the box to the left, you consent to be legally bound by the terms and conditions in this document. *Copies of Customer's signed signature page may be transmitted to* PG&E *by facsimile or other electric means. Copies of the signature page may be used for the purpose of enforcing the terms of this agreement.*

[This form must be signed by someone who has authority to financially bind the customer]
[For example, CFO of a company or City Manager of a municipality]

_____
_____
Authorized Customer Signature Authorized Customer Name (Print)

__ __ __ – __ __ __ – __ __ __ __
Telephone Number

Executed this_____ day of_____ _____ at
_____
Month Year City and State Where Executed

To sign this document electronically:

- Check the box indicating that you are signing this Customer Enrollment Agreement electronically and agree that your electronic signature is the legal equivalent of your manual or "wet" signature on the Agreement.

Sign your name as follows: /s/ Customer Name.

PLUG-IN ELECTRIC VEHICLE SUBMETERING PILOT PHASE 2

Single Customer-of-Record Enrollment Agreement

Submeter MDMA:

☐ By checking the box, you are signing this Customer Enrollment Agreement electronically. You agree that your electronic signature is the legal equivalent of your manual or "wet" signature on this Agreement as of the date on this Agreement. By typing your name, entering the date, and checking the box to the left, you consent to be legally bound by the terms and conditions in this document. *Copies of Submeter MDMA's signed signature page may be transmitted to* PG&E *by facsimile or other electric means. Copies of the signature page may be used for the purpose of enforcing the terms of this agreement.*

I (Submeter MDMA), hereby release, hold harmless, and indemnify PG&E from any liability, claims, demands, causes of action, damages, or expenses resulting from this Agreement.

_____ _____
Submeter MDMA Representative Signature Submeter MDMA Representative Name (Print)

_____
Submeter MDMA Name

_____ _____ _____
Street Address City State Zip

__ __ __ – __ __ __ – __ __ __
_____@_____
Telephone Number Email Address

Executed this _____ day of _____ _____
Month Year

To sign this document electronically:

- Check the box indicating that you are signing this Customer Enrollment Agreement electronically and agree that your electronic signature is the legal equivalent of your manual or "wet" signature on the Agreement.
- Sign your name as follows: /s/ Submeter MDMA Representative Name.

PLUG-IN ELECTRIC VEHICLE SUBMETERING PILOT PHASE 2

Pacific Gas and Electric Company®

Attachment 1

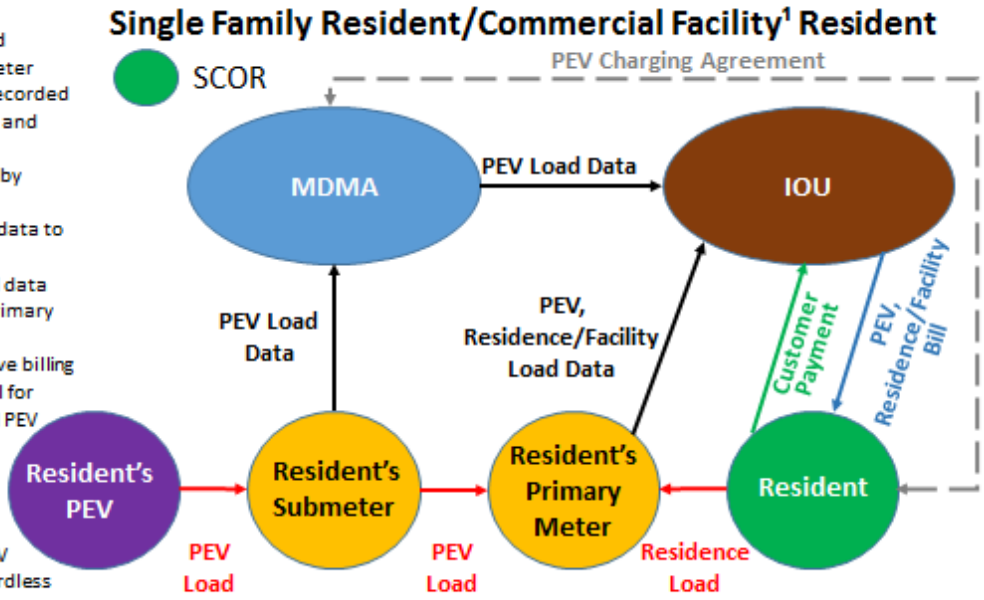
Single Customer-of-Record (SCOR) Scenarios

The following scenarios are single customers-of-record scenarios that will be supported by the IOUs.

Scenario 1: Residential (IOU Customer) Pays Submeter and Primary Meter Bills

Process Flow

1. Resident generates load recorded on primary meter
2. Resident charges PEV recorded on resident's submeter and primary meter
3. PEV load data received by MDMA from submeter
4. MDMA sends PEV load data to IOU
5. PEV and residence load data received by IOU from primary meter
6. IOU performs subtractive billing
7. Resident receives IO bill for separate residence and PEV accounts and pays IOU
8. Note: Resident retains sole responsibility for paying the entire monthly bill including EV and other charges regardless of any agreement between you and your Submeter MDMA or any other party.



[1] Facility includes residents in MUD, condo complex or commercial facility

Pacific Gas and Electric Company®

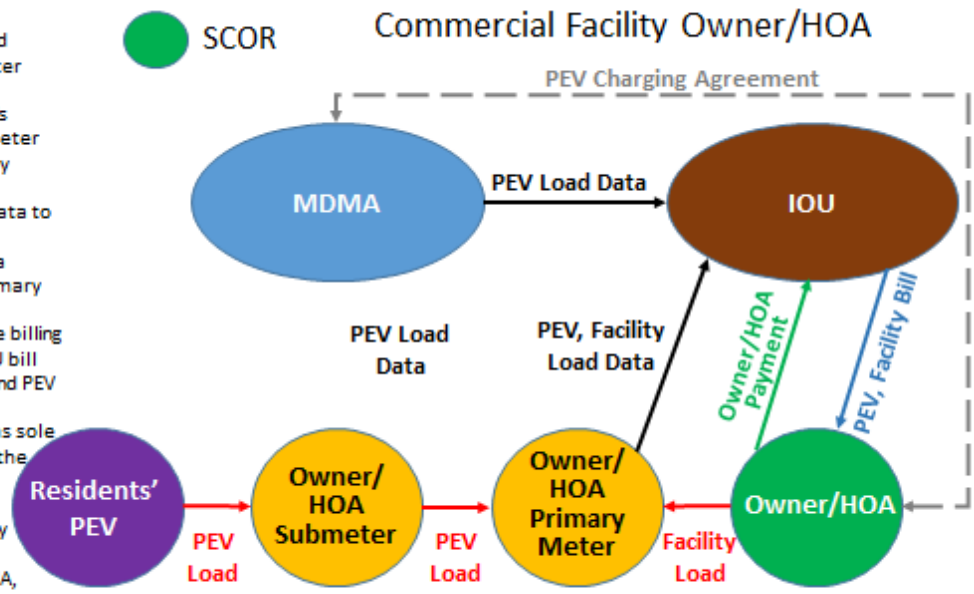
Attachment 1

Single Customer-of-Record (SCOR) Scenarios

Scenario 2: Owner/HOA (IOU Customer) Pays Submeter and Primary Meter Bills

Process Flow

1. Owner/HOA's facility load recorded on primary meter
2. Resident's PEV charging recorded on owner/HOA's submeter and primary meter
3. PEV load data received by MDMA from submeter
4. MDMA sends PEV load data to IOU
5. PEV and facility load data received by IOU from primary meter
6. IOU performs subtractive billing
7. Owner/HOA receives IOU bill for separate residence and PEV accounts and pays IOU
8. Note: Owner/HOA retains sole responsibility for paying the entire monthly bill including EV and other charges regardless of any agreement between you and your Submeter MDMA, the resident, or any other party.



[1] Facility includes residents in MUD, condo complex or commercial facility

PLUG-IN ELECTRIC VEHICLE SUBMETERING PILOT PHASE 2

Multiple Customer-of-Record Enrollment Agreement

Terms and Conditions

This Participation Agreement ("Agreement"), effective upon the date a Customer Enrollment Agreement (CEA) is submitted, is entered into between Pacific Gas & Electric (PG&E), the customer that receives electric service from PG&E (hereafter, "Participant," "Customer," "you," or "primary meter customer"), the customer that receives submeter service from PG&E (hereafter, "Participant," "Customer," "you," or "submeter customer"), and the Submeter Meter Data Management Agent (Submeter MDMA) providing data management services. PG&E, Participant and Submeter MDMA are referred to jointly as "Parties."

A. Purpose and Overview of the Phase 2 Pilot

PG&E is conducting Phase 2 of a temporary Plug-in Electric Vehicle (EV) Submeter Pilot. To participate in the Phase 2 Pilot, Customers must read and agree to the terms and conditions of this Agreement and be eligible for an applicable separately-metered EV Rate. The customer enrollment process is described in the Customer Enrollment Agreement.

The applicable EV Rate requires a separate meter to measure only the energy used to charge electric vehicles. PG&E will set up a separate service account and the energy used to charge EVs will be billed on the applicable EV rate schedule. The rest of the energy used at your residence or business will be billed at your otherwise applicable tariff. For the Phase 2 Pilot, the separate meter must be a submeter owned by the Customer or by a third-party. The Phase 2 Pilot is available to eligible customers within all of PG&E's service districts and limited to 500 submeters on a first-come, first-served basis. Customers on a Net Energy Metering (NEM) rate are eligible but will be limited to 20% of the participation cap (100 submeters).

As a Participant in the Phase 2 Pilot, you agree to install an eligible Customer- or third-party-owned submeter that meets the California Public Utilities Commission (CPUC) approved Submeter MDMA Registration Agreement, Attachment 1 - Performance Standards for Metering and Submeter Meter Data Management Agents, for the exclusive use of tracking the energy used to charge your electric vehicle to be billed on the applicable EV Rate. Your Submeter MDMA will be required to collect and transmit your submeter usage data to PG&E as scheduled in the required format in compliance with the Submeter MDMA Performance Requirements (copy available upon request). You will retain sole responsibility for paying the entire monthly bill including EV and other charges regardless of any agreement between you and your Submeter MDMA. Your Submeter MDMA will be the single point-of-contact for all submeter data issues regardless of any agreement you or the Submeter MDMA may have with other organizations providing Submeter Pilot services on its or your behalf. PG&E will be the single point-of-contact for all PG&E billing issues.

The Phase 2 Pilot will begin on January 16, 2017, and enrollment will end on April 30, 2017. Any Customer enrolled in the Phase 2 Pilot will be eligible to participate for no more than 12 consecutive billing cycles; however, the Customer may terminate participation in the Phase 2 Pilot at any time by contacting PG&E. When Phase 2 Pilot participation ends, the EV rate will be terminated for the submetered account. Thereafter, any future electric vehicle charging will be billed at the Customer's otherwise applicable tariff rate for the primary meter. Customers are encouraged to contact PG&E to discuss available electric vehicle rates.

In addition, you agree to provide an independent evaluator, Nexant, or another third party, paid by the Investor Owned Utilities (IOUs), with feedback on your experiences with Phase 2 Pilot participation, including enrollment, equipment installation, and billing. In accordance with the CPUC's instruction, this

survey will not be burdensome. Additionally, you may be required to provide access to your home or facility for the evaluator to perform tests on your submeter. Such submeter testing is only required of five percent of participating customers. If your submeter is selected for testing, tests will be arranged at a convenient time, and your Submeter MDMA may be present. No adjustments to your primary or submetered accounts billed over the course of your participation in the Phase 2 Pilot will be made regardless of whether the submeter is found to violate CPUC meter accuracy standards.

B. ELIGIBILITY

To be eligible to participate in the Pilot, Participants must:

1. Have an active PG&E service account with no Past Due Bills or Summary Bills (as defined by Rule 11).

2. Have an eligible PG&E interval data recorder (IDR) SmartMeter®.

3. Charge a plug-in electric vehicle at that account.

4. Have an approved submeter installed for the exclusive use of tracking the energy used to charge their electric vehicle.

5. Be a Bundled Service Customers or Community Choice Aggregation (CCA) customer [i.e. does not participate in Direct Access (DA) or Community Aggregation (CA) service].

6. Not be on PG&E's EV-TOU rate (EV-A). If Participant is already enrolled, they must unenroll for the duration of their participation in the Phase 2 Pilot. If the customer is on EV-A PG&E will automatically enroll the customer on the E-1 rate upon enrollment and for the duration of the pilot unless instructed otherwise.

7. Not participate in the Smart Rate/Smart Day program. If Participant is already enrolled, they must unenroll for just the duration of their participation in this pilot.

8. Not participate in either the Budget Billing or Automatic Payment Plan options offered by PG&E for the duration of their participation in this pilot if their Submeter MDMA provides remittance payments to PG&E. If participant is already enrolled in one of these plans, they must unenroll for just the duration of their participation in this pilot.

9. Not participate in the California Independent System Operator (CAISO) sponsored demand response programs facilitated through Electric Rule 24.

C. DUTIES AND OBLIGATIONS OF PG&E:

PG&E will:

1. Respond promptly to questions from a Submeter MDMA on customer's eligibility without disclosing confidential customer data.

2. Enroll you in the Phase 2 Pilot beginning with your next PG&E billing period, provided that your Submeter MDMA has submitted your complete Customer Enrollment Agreement (CEA) at least

five (5) business days prior to the end of your current billing cycle, if the volume of customer agreements in process at that time does not exceed an average of five (5) agreements per business day over any five (5) business day period. Note: A CEA is not considered complete if it contains inaccurate, missing or crossed-out information.

3. Set up your separate service account and bill for energy used to charge your EV on the applicable EV rate schedule (i.e. Residential: EV-B; Commercial/Industrial: Rate Schedule A-1, A-10, ~~or~~ A6, B-1, B-10, or B-6, depending on demand level);

4. Receive your submetered EV usage information from your Submeter MDMA;

5. Use this information to separately calculate your usage for charging your electric vehicle on the applicable EV rate and the rest of your home or business usage on your current rate. Accuracy of your bill is dependent on receiving timely and accurate information from your Submeter MDMA and the accuracy of the submeter itself.

6. Late, incomplete, or inaccurate EV submeter usage information will be disregarded (treated as if there was no EV usage for the time interval(s) involved) only where the Submeter MDMA action is the cause of the data transmission failure. As a result, any actual EV charging during these intervals will be billed at your current rate and will not be adjusted in any future bills if any EV usage data is subsequently received.

7. Work with you and your MDMA to resolve any disputes. Your Submeter MDMA will be the single point-of-contact for all submeter data issues regardless of any agreement you or the Submeter MDMA may have with other organizations providing Submeter Pilot services on your or your Submeter MDMA's behalf. PG&E will be the single point-of-contact for all PG&E billing issues.

8. Customers participating in the Pilot under a multiple customers-of-record scenario will be provided either separate primary meter bill charges less EV charges or submeter EV charges only depending on their specific role and responsibility.

9. After 12 consecutive billing cycles close your submeter account. Your entire residence or business usage, including your EV usage, will then be charged at your otherwise applicable rate.

D. DUTIES AND OBLIGATIONS OF PARTICIPANT:

Participant or its agent will:

1. Install or have installed a qualified submeter[1] for the exclusive use of tracking the energy used to charge your electric vehicle;

2. Own the EV submeter and be entirely responsible for its ongoing accuracy, maintenance and services.

3. Acknowledge that the submetered account will be set up and electric vehicle charging usage during the Phase 2 Pilot will be billed on the applicable EV rate schedule.

[1] Submeter MDMA Registration Agreement, Attachment 1: *EV Submeter Pilot Phase 2 Performance Standards for Metering and Meter Data Management Agents*.l

4. Have an approved Submeter MDMA provide PG&E with your submetered usage data as scheduled in the required format in compliance with the Submeter MDMA performance requirements (copy available upon request).

Participant will:

1. Provide an independent third-party evaluator with feedback on your experiences with Phase 2 Pilot participation, including enrollment, equipment installation, and billing.

2. Authorize the Submeter MDMA to submit this CEA to PG&E on behalf of the Participant.

3. Provide access and assistance to facilitate random meter testing by an independent third-party evaluator, if selected.

4. Acknowledge that the EV submetered usage information may not meet the accuracy standards required by PG&E for billing purposes. The Participant's EV usage will be billed based on the submetered data provided by the Submeter MDMA, who is solely responsible for the accuracy and timely delivery to PG&E of submeter usage information.

5. Retain sole responsibility for paying the entire monthly bill including EV usage and other charges regardless of any agreement between you and your Submeter MDMA. This includes the energy required by the EVSE equipment and/or the associated losses.

6. Contact your Submeter MDMA, who will be the single point-of-contact for all submeter data issues regardless of any agreement the you or your Submeter MDMA may have with other third-party organizations providing services on your or your Submeter MDMA's behalf.

7. Contact PG&E, who will be the single point-of-contact for all PG&E billing issues.

8. Be allowed to re-enroll for the remainder of Participant's Phase 2 Pilot term of 12 consecutive billing cycles in the event the Participant has a change of address. For customers that relocate within PG&E's service territory: 1) their Submeter MDMA must submit a new, separate Customer Enrollment Agreement for their new service address at least five days before the end of the current billing period; and 2) they are eligible to reenroll in the Pilot after the Enrollment Period. Similarly, customers that relocate to another IOU's service territory may reenroll for the remainder of Participant's pilot term if the other IOU's 500 submeter limit has not been met.

9. Notify PG&E of a change-of-address or request to end Phase 2 Pilot participation at any time before the completion of 12 billing cycles. Customers can email PG&E at PEVSP@pge.com or can call PG&E at 1-800-PGE-5000 (1-800-743-5000).

E. TERMINATION:

1. This Agreement shall be effective for no more than 12 consecutive billing cycles after Phase 2 Pilot enrollment.

2. PG&E may petition the CPUC's Energy Division to terminate this Agreement, with no cost, liability, or further obligation, if the Submeter MDMA fails to meet Submeter MDMA performance requirements for three consecutive months.

3. PG&E shall have the right to modify or immediately terminate this Agreement upon written notice to Participant if PG&E determines this Agreement would be inconsistent with, or violate any rule, regulation, or policy of the CPUC or other applicable laws or if Participant fails to satisfy its obligations pursuant to this Agreement.

4. Participant shall email or call PG&E promptly if Participant no longer desires to participate in the Phase 2 Pilot. Customers can email PG&E at PEVSP@pge.com or can call PG&E at 1-800-PGE-5000 (1-800-743-5000).

5. PG&E will notify Participant if the Submeter MDMA service is terminated and Participant may complete the remainder of its 12 consecutive billing cycles subject to completing the requirements to re-enroll with an alternative Submeter MDMA.

F. NOTICES

PG&E will provide notices to Customer about this Phase 2 Pilot by email or mail to the Customer name and address listed on the Customer Enrollment Agreement. Notices from Customer to PG&E, except Disenrolling from the Phase 2 Pilot per section E.4, hereunder shall be via electronic mail*:*

By Email: PEVSP@pge.com

NOTE: If you cannot send enrollment via electronic mail, please contact PG&E at 1-800-PGE-5000 (1-800-743-5000).

G. LIMITATION OF LIABILITY:

1. Participant shall indemnify, hold harmless and defend PG&E and its directors, employees, agents, and contractors from any and all costs, liabilities, claims and expenses, including those from death or injury to any person or from a loss or damage to any real, personal or other property, arising from, or in connection with, this Agreement, unless solely caused by the negligence or willful misconduct of PG&E.

2. In no event shall PG&E be liable for any incidental, indirect, special, consequential, or punitive damages (including lost income), for any cause of action, whether in contract or tort, arising in any manner from this Agreement or the performance or non-performance of its obligations under this Agreement, regardless of the cause or foreseeability thereof. Unless solely caused by PG&E's negligence or willful misconduct, and except as expressly stated otherwise in this Agreement, PG&E shall not be liable for any costs, liabilities, claims or expenses in connection with this Agreement, including any loss or damage to any Participant's property. Further, in no event shall the amount of PG&E's aggregate liability or damages shall not exceed ten thousand dollars ($10,000.00).

3. Participant acknowledges that PG&E has not promised Participant energy or bill savings from use of the EV submeter and/or participation in the Phase 2 Pilot.

4. Participant will hold PG&E harmless for its participation in and use of any other PG&E programs or features during the course of the Phase 2 Pilot. Programs such as My Account, Green Button, and Budget Assistant may be available to customers participating in the Phase 2 Pilot but the accuracy of the data may be affected.

5. Participant will hold PG&E harmless for its inability to participate in PG&E SmartRate/SmartDay, Budget Billing or Automatic Payment Plan and any CAISO-sponsored demand response programs facilitated through Electric Rule 24 during the course of the Phase 2this Pilot.

H. WARRANTY DISCLAIMER:

PG&E makes no warranties, whether statutory, express, or implied, including, but not limited to, any warranties regarding the safety, design, construction, function, performance, fitness for a particular purpose, or placement of customer-owned or third-party owned submeters, or any benefits to be derived from the placement, operation, or use of the customer owned or third-party owned submeters.

I. APPLICABLE LAW:

This Agreement shall be interpreted, governed and construed under the laws of the State of California, without reference to its choice of law provisions, and it is subject to modifications by the California Public Utilities Commission in the exercise of its jurisdiction.

J. ENTIRE AGREEMENT:

This Agreement contains the entire agreement and understanding between the Parties related to Participant's participation in the Phase 2 Pilot, except for additional terms and conditions that are subsequently made a part of PG&E's tariffs as part of the further implementation of this Pilot. This Agreement supersedes all prior representations and discussions between PG&E and Participant pertaining to its subject matter. 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.

K. APPLICABLE PG&E RATES FOR PILOT PHASE2 SUBMETER:

1. Where the Primary Meter qualifies for Residential Service:

- Rate Schedule EV, option B

2. Where the Primary Meter qualifies for Commercial/Industrial Service

- Rate Schedule A-1 or B-1 (customers < 75 kW)
- Rate Schedule A-10 or B-10 (customers > 75 kW < 500 kW)
- Rate Schedule A-6 or B-6 (customers with demands < 500 kW)

More detail on these rates can be found at **http://www.pge.com/tariffs/ERS.SHTML#ERS**

Special Notes:

Rate Schedule NEM may be applied as a "rider" to all the primary meter schedules above, subject to the 100 submeter cap, and would be applicable to customers with photovoltaic (PVs) meeting the tariff requirements.

All charges and provisions of the customer's current tariff shall apply to the primary meter, except that the PEV usage, as measured by the submeter, will be billed on an applicable PEV rate schedule.

Any exceptions to the above rates are defined in Schedule PEVSP, Special Condition 17.

PLUG-IN ELECTRIC VEHICLE SUBMETERING PILOT PHASE 2

Multiple Customer-of-Record Enrollment Agreement

Multiple Customers-of-Record Enrollment Agreement Instructions

Instructions to Customer:

STEP 1: Read the Plug-In Electric Vehicle Submetering Pilot (Phase 2) Participation Agreement in its entirety

STEP 2: Install an eligible submeter(s) (i.e. EVSE with embedded submeter or stand-alone submeter) owned or leased by you or a third party

STEP 3: Retain the services of a CPUC-approved Submeter Meter Data Management Agent (Submeter MDMA)

STEP 4: Complete this Customer Enrollment Agreement (your Submeter MDMA may assist you with completing the form)

STEP 5: Sign the last page of this form (Section 4) to authorize the entire Agreement

STEP 6: Have your Submeter MDMA sign the last page of this form (Section 4) to authorize the entire Agreement.

STEP 7: Your Submeter MDMA must submit this Customer Enrollment Agreement to PG&E for processing:

- At least five (5) business days before the end of your billing cycle for you to be enrolled in the next billing cycle, subject to the exceptions described above
- By Electronic Mail: PEVSP@pge.com

NOTE: If you cannot send enrollment via electronic mail, please contact PG&E at 1-800-PGE-5000 (1-800-743-5000).

STEP 8: Retain a copy of the completed Agreement for your records.

Processing:

PG&E will review the Agreement and reply as follows:

- If Agreement is not complete (i.e. contains inaccurate, missing or crossed-out information): You and your Submeter MDMA are notified. You and your Submeter MDMA must complete and sign and date a new Agreement correcting the error(s) and resubmit to PG&E.
- If Agreement is complete: Enrollment process continues. Upon completion, PG&E will inform you and your Submeter MDMA when your EV Submetering Phase 2 Pilot participation begins.

For questions or for more information regarding this agreement, customers can email PG&E at PEVSP@pge.com or can call PG&E at 1-800-PGE-5000 (1-800-743-5000).

Authorization To Release Submeter information to Submeter MDMA And Act On A Customer's Behalf

INFORMATION, ACTS AND FUNCTIONS AUTHORIZED:

By signing this form to add the customer service account(s) set forth below, I, Customer, authorize my Agent (the Submeter MDMA) to act on my behalf to request and receive billing, usage, and meter data for the account(s) specified herein, to the extent such billing, usage, and meter data is associated with my dates of enrollment in the Pilot. This authorization also provides authority to the Submeter MDMA to act on my behalf to request rate changes necessary to participate in the Pilot.

I (Customer) authorize my Submeter MDMA to act on my behalf to perform the following selected specific acts and functions:

1) Yes ☐ No ☐ Request rate changes necessary for me to participate in the Electric Vehicle Pilot (Phase 2).

2) Yes ☐ No ☐ Receive a copy of my monthly PG&E bill for the duration of my participation in the Electric Vehicle Pilot (Phase 2).

Authorization is given for the period commencing with the date of execution of this Agreement until either the pilot ends or I decide to terminate my participation. If I, Customer, wish to release additional information to my agent, Submeter MDMA, or extend the timeframe during which this information will be released, I acknowledge that I must complete, sign and submit PG&E Form (79-1159).

RELEASE OF ACCOUNT INFORMATION:

I (Submeter Customer),_____ (print name of authorized signatory), declare under penalty of perjury under the laws of the State of California that I am authorized to execute this document on behalf Of the Customer of Record listed on this form and that I have authority to financially bind the Customer of Record. I further certify that my Submeter MDMA, _____(print name of Submeter MDMA), has authority to act on my behalf and request the release of information for the accounts listed on this form and perform the specific acts and functions listed above, including rate changes. I understand that PG&E reserves the right to verify any authorization request submitted before releasing information or taking any action on my behalf. I authorize PG&E to release the requested information on my account or facilities to the above Submeter MDMA who is acting on my behalf regarding the matters 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 release of information to my Submeter MDMA pursuant to this Authorization; 2) the unauthorized use of this information by my Submeter MDMA; and 3) from any actions taken by my Submeter MDMA pursuant to this Authorization, including rate changes. I understand that I may cancel this authorization at any time by submitting a written request.

Authorization To Release Submeter Information To Customer And Act On The MDMA's Behalf

INFORMATION, ACTS AND FUNCTIONS AUTHORIZED:

PLUG-IN ELECTRIC VEHICLE SUBMETERING PILOT PHASE 2

Multiple Customer-of-Record Enrollment Agreement

By signing this form to add the customer service account(s) set forth below, I, Submeter MDMA, authorize the Customer to act on my behalf to request and receive billing, usage, and meter data for the account(s) specified herein, to the extent such billing, usage, and meter data is associated with the dates of the customer's enrollment in the Pilot. This authorization also provides authority to the Customer to act on my behalf to request rate changes necessary to participate in the Pilot.

I (Submeter MDMA) authorize the Customer to act on my behalf to perform the following selected specific acts and functions:

1) Yes ☐ No ☐ Request rate changes necessary for me to participate in the Electric Vehicle Pilot (Phase 2).

2) Yes ☐ No ☐ Receive a copy of the monthly PG&E submeter bill for the duration of the customer's participation in the Electric Vehicle Pilot (Phase 2). ·

Authorization is given for the period commencing with the date of execution of this Agreement until either the pilot ends or the Customer or MDMA decides to terminate participation. If I, Submeter MDMA, wish to release additional information to the Customer, or extend the timeframe during which this information will be released, I acknowledge that I must complete, sign and submit PG&E Form (79-1159).

RELEASE OF ACCOUNT INFORMATION:

I certify that the Customer, _____ (print name of authorized signatory), has authority to act on my behalf and request the release of information for the accounts listed on this form and perform the specific acts and functions listed above, including rate changes. I understand that PG&E reserves the right to verify any authorization request submitted before releasing information or taking any action on my behalf. I authorize PG&E to release the requested information on the submeter account or facilities to the above Customer who is acting on my behalf regarding the matters 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 release of information to the Customer pursuant to this Authorization; 2) the unauthorized use of this information by the Customer; and 3) from any actions taken by the Customer pursuant to this Authorization, including rate changes. I understand that I may cancel this authorization at any time by submitting a written request.

Entire Agreement This Agreement, together with the applicable EV Rate and Phase 2 Pilot Terms and Conditions, contains the entire agreement and understanding between the Parties related to Participant's participation in the Phase 2 Pilot, except for additional terms and conditions that are subsequently made a part of PG&E's tariffs or as modified by the Commission in the exercise of its jurisdiction. This Agreement supersedes all prior representations and discussions between PG&E and Participant pertaining to its subject matter.

Section 1 Property Type (Check one)

❑ Detached Home (Residential) ❑ Multi-family Dwelling/Attached Home (Residential) ❑ Commercial (Business)

Section 2 PG&E Primary Meter Customer Account Information

PLUG-IN ELECTRIC VEHICLE SUBMETERING PILOT PHASE 2

Multiple Customer-of-Record Enrollment Agreement

2 – __ __ – __ __ __ – __ __ __ __
Customer Account Number (Appears below your name on your PG&E bill)

__ __ __ __ __ __ – __ __ __ __ __ __
Primary PG&E Electric Meter ID Number

_____ _____
First and Last Name (As it appears on your bill) Print Name

_____ _____ _____ _____
Service Account Street Address City State Zip

__ __ __ – __ __ __ – __ __ __ _____@_____
Telephone Number Email Address (To be used for communications regarding Pilot)

_____ _____ _____
If Commercial Account: Business Name Contact Name Title

* Alternate Mailing Address (Provide if applicable):

_____ _____ _____ _____
Street Address City State Zip

PLUG-IN ELECTRIC VEHICLE SUBMETERING PILOT PHASE 2

Multiple Customer-of-Record Enrollment Agreement

Section 3 **PG&E Submeter Customer Account Information**

2 – __ __ – __ __ __ – __ __ __ __
Customer Account Number (PG&E)

_____ _____
First and Last Name (As it appears on your bill) Print Name

_____ _____ _____ _____
Service Account Street Address City State Zip

__ __ __ – __ __ __ – __ __ __ _____@_____
Telephone Number Email Address (To be used for communications regarding Pilot)

_____ _____ _____
If Commercial Account: Business Name Contact Name Title

* Alternate Mailing Address (Provide if applicable):

_____ _____ _____ _____
Street Address City State Zip

Section 4 **MDMA Submeter Information** (If customer elects to have multiple submeters, up to 19, please attach separate sheet for each submeter. Note: Multiple level submeters in a series are not allowed.)

_____
Submeter unique identifier (Appears on the Submeter)

Date Submeter(s) installed: __ __ / __ __/ __ __

Expected charging demand (kW): _____

Check the appropriate box below.

☐ Multiple Customer-of-Record Scenario #1 (See Attachment 1)

☐ Multiple Customer-of-Record Scenario #2 (See Attachment 1)

☐ Multiple Customer-of-Record Scenario #3 (See Attachment 1)

PLUG-IN ELECTRIC VEHICLE SUBMETERING PILOT PHASE 2

Multiple Customer-of-Record Enrollment Agreement

Check all applicable statements below and complete table for your specific device(s)

Devices installed prior to Phase 2 Pilot:

☐ Any Electric Vehicle Supply Equipment (EVSE), EVSE with embedded submeter, and/or stand-alone submeter installed prior to the Phase 2 Pilot must have been certified by an Occupational Safety & Health Administration (OSHA)-approved Nationally Recognized Testing Laboratory (NRTL). Any EVSE, EVSE with embedded submeter, stand-alone submeter, except a plug-in EVSE or plug-in EVSE with embedded submeter[2], and related PEV charging circuits, must have been installed by a person or entity with a general electrical contractor's license issued by the California Contractors State License Board and must obtain any required inspection and approval by the local Authority Having Jurisdiction (AHJ). The OSHA-approved list of NRTLs is maintained at: https://www.osha.gov/dts/otpca/nrtl/.

Device	Manufacturer	Model	NRTL Certified
EVSE			☐
EVSE with Embedded Submeter			☐
Stand-alone Submeter			☐

Devices installed as part of the Phase 2 Pilot:

☐ Any EVSE, EVSE with embedded submeter, and/or stand-alone submeter installed as part of the Phase 2 Pilot is certified to Underwriters Laboratories (UL) standards by an OSHA NRTL or meets PG&E safety standards. Any EVSE, EVSE with embedded submeter, stand-alone submeter, except a plug-in EVSE or plug-in EVSE with embedded submeter[3] and related PEV charging circuits must be installed by a person or entity with a general electrical contractor's license issued by the California Contractors State License Board and must obtain any required inspection and approval by the local AHJ.

Device	Manufacturer	Model	UL Std./NRTL Certified
EVSE			☐
EVSE with Embedded Submeter			☐
Stand-alone Submeter			☐

[2] Level-2 EVSE with an inlet cord and plug which requires a dedicated circuit installed by a qualified electrician.

[3] Level-2 EVSE with an inlet cord and plug which requires a dedicated circuit installed by a qualified electrician.

Section 5 **Customer& Submeter MDMA Authorization**

Primary Meter Customer

I (Customer), _____(print name of authorized signatory), declare under penalty of perjury under the laws of the State of California that I am authorized to execute this document on behalf of the Customer of Record listed on this form and that I have authority to financially 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 any actions taken by my Submeter MDMA or any other customer that is a Party to this Agreement. I understand that I may cancel my participation in the Phase 2 Pilot at any time by calling PG&E. Customers can email PG&E at PEVSP@pge.com or can call PG&E at 1-800-PGE-5000 (1-800-743-5000).

☐ By checking the box, you are signing this Customer Enrollment Agreement electronically. You agree that your electronic signature is the legal equivalent of your manual or "wet" signature on this Agreement as of the date on this agreement. By typing your name, entering the date, and checking the box to the left, you consent to be legally bound by the terms and conditions in this document. *Copies of Primary Meter Customer's signed signature page may be transmitted to PG&E by facsimile or other electric means. Copies of the signature page may be used for the purpose of enforcing the terms of this agreement."*

[This form must be signed by someone who has authority to financially bind the customer]
[For example, CFO of a company or City Manager of a municipality]

_____ _____
Authorized Customer Signature Authorized Customer Name (Print)

__ __ __ – __ __ __ – __ __ __ __
Telephone Number

Executed this_____ day of_____ _____ at _____
Month Year City and State Where Executed

To sign this document electronically:

- Check the box indicating that you are signing this Customer Enrollment Agreement electronically and agree that your electronic signature is the legal equivalent of your manual or "wet" signature on the Agreement.

Sign your name as follows: /s/ Customer Name.

****

PLUG-IN ELECTRIC VEHICLE SUBMETERING PILOT PHASE 2

Multiple Customer-of-Record Enrollment Agreement

Submeter Customer

I (Customer), _____(print name of authorized signatory), declare under penalty of perjury under the laws of the State of California that I am authorized to execute this document on behalf of the Customer of Record listed on this form and that I have authority to financially 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 any actions taken by my Submeter MDMA or any other customer that is Party to this Agreement. I understand that I may cancel my participation in the Phase 2 Pilot at any time by calling PG&E. Customers can email PG&E at PEVSP@pge.com or can call PG&E at 1-800-PGE-5000 (1-800-743-5000).
.

☐ By checking the box, you are signing this Customer Enrollment Agreement electronically. You agree that your electronic signature is the legal equivalent of your manual or "wet" signature on this Agreement as of the date on this Agreement. By typing your name, entering the date, and checking the box to the left, you consent to be legally bound by the terms and conditions in this document. *Copies of Submeter Customer's signed signature page may be transmitted to PG&E by electronic mail. Copies of the signature page may be used for the purpose of enforcing the terms of this agreement.*

[This form must be signed by someone who has authority to financially bind the customer]
[For example, CFO of a company or City Manager of a municipality]

_____ _____
Authorized Customer Signature Authorized Customer Name (Print)

__ __ __ – __ __ __ – __ __ __ __
Telephone Number

Executed this_____ day of_____ _____ at _____
Month Year City and State Where Executed

To sign this document electronically:

- Check the box indicating that you are signing this Customer Enrollment Agreement electronically and agree that your electronic signature is the legal equivalent of your manual or "wet" signature on the Agreement.

Sign your name as follows: /s/ Customer Name.

****

PLUG-IN ELECTRIC VEHICLE SUBMETERING PILOT PHASE 2

Multiple Customer-of-Record Enrollment Agreement

Submeter MDMA

☐ By checking the box, you are signing this Customer Enrollment Agreement electronically. You agree that your electronic signature is the legal equivalent of your manual or "wet" signature on this Agreement as of the date on this agreement. By typing your name, entering the date, and checking the box to the left, you consent to be legally bound by the terms and conditions in this document. *Copies of Submeter MDMA's signed signature page may be transmitted to PG&E by electronic mail. Copies of the signature page may be used for the purpose of enforcing the terms of this agreement.*

I (Submeter MDMA), hereby release, hold harmless, and indemnify PG&E from any liability, claims, demand, causes of action, damages, or expenses resulting from this Agreement.

_____ _____
Submeter MDMA Representative Signature Submeter MDMA Representative Name (Print)

_____
Submeter MDMA Name

_____ _____ _____
Street Address City State Zip

__ __ __ – __ __ __ – __ __ __ _____@_____
Telephone Number Email Address

Executed this _____ day of _____ _____
Month Year

To sign this document electronically:

- Check the box indicating that you are signing this Customer Enrollment Agreement electronically and agree that your electronic signature is the legal equivalent of your manual or "wet" signature on the Agreement.

Sign your name as follows: /s/ Submeter MDMA Representative Name.

Attachment 1

EV Submeter Pilot Phase 2

Multiple Customers-of-Record (MCOR)Scenarios

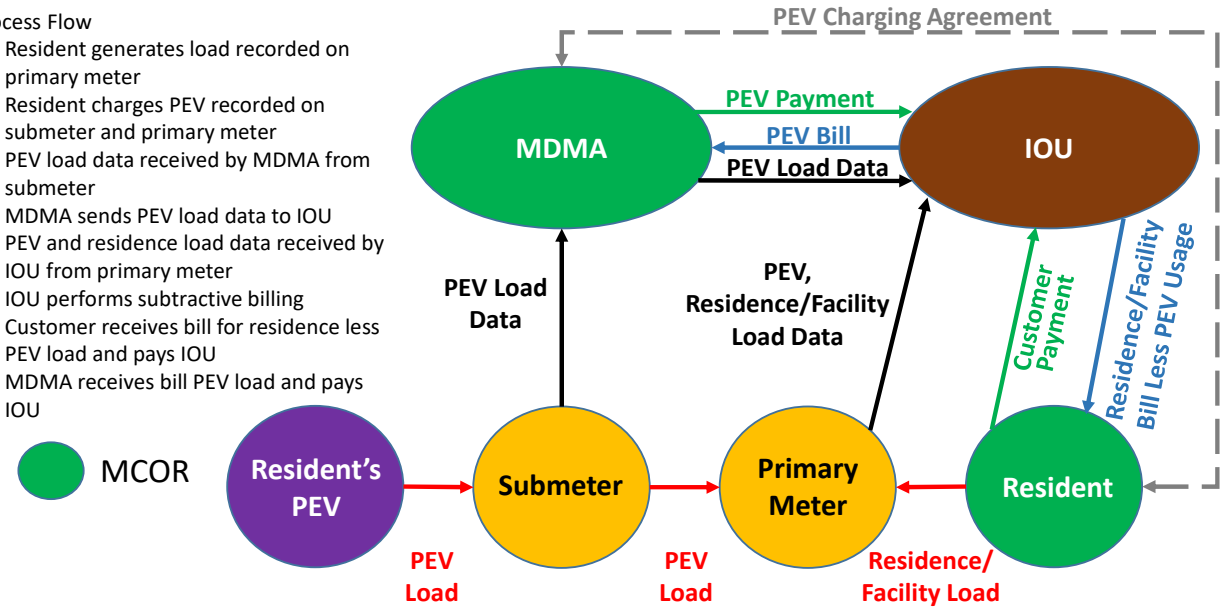
The following scenarios are single customers-of-record scenarios that will be supported by the IOUs.

Scenario 1: MDMA (IOU Customer) Pays Submeter Bill and Resident (IOU Customer) Pays Primary Meter Bill Less PEV Charging Usage

Single Family Resident/Commercial Facility[1] Resident

Process Flow

1. Resident generates load recorded on primary meter
2. Resident charges PEV recorded on submeter and primary meter
3. PEV load data received by MDMA from submeter
4. MDMA sends PEV load data to IOU
5. PEV and residence load data received by IOU from primary meter
6. IOU performs subtractive billing
7. Customer receives bill for residence less PEV load and pays IOU
8. MDMA receives bill PEV load and pays IOU

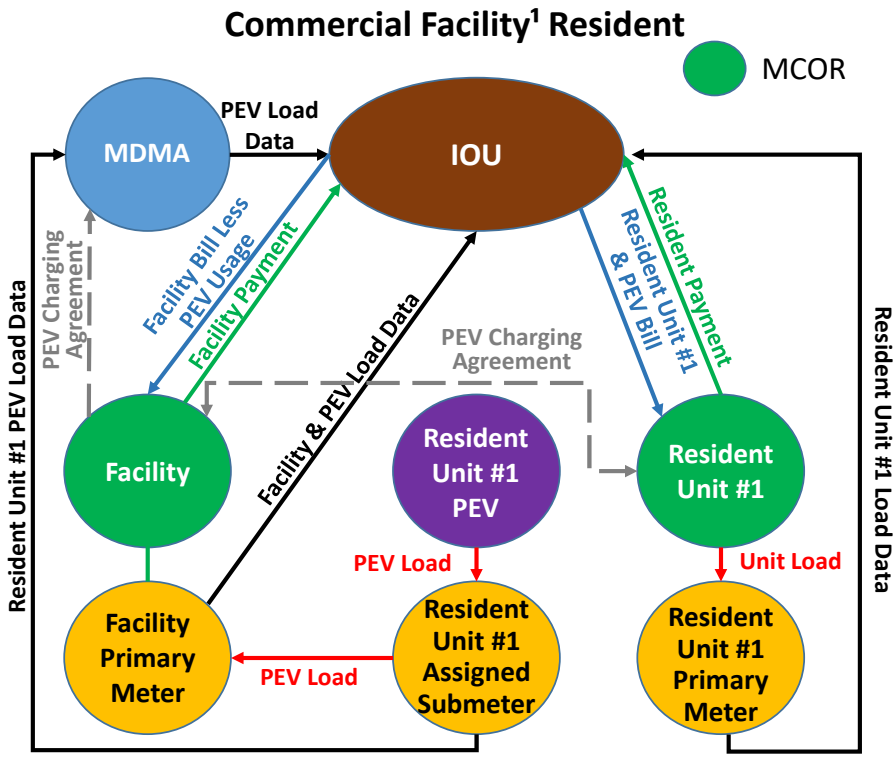


[1] Facility includes residents in MUD, condo complex or commercial building

Scenario 2: Resident (IOU Customer) Pays Submeter Bill, Facility (IOU Customer) Pays Primary Meter Bills Less EV Charging Usage

Process Flow

1. Resident Unit #1 generates load recorded on primary meter
2. Resident Unit #1 charges PEV recorded on assigned submeter and facility primary meter
3. Resident Unit #1 PEV load data received by MDMA from resident submeter
4. MDMA sends Unit #1 PEV load data to IOU
5. PEV and facility load data received by IOU from facility primary meter
6. Residence Unit #1 load data received from residence primary meter
7. IOU performs subtractive billing
8. Resident Unit #1 receives bill for separate residence and PEV accounts and pays IOU
9. Facility receives bill less PEV load and pays IOU

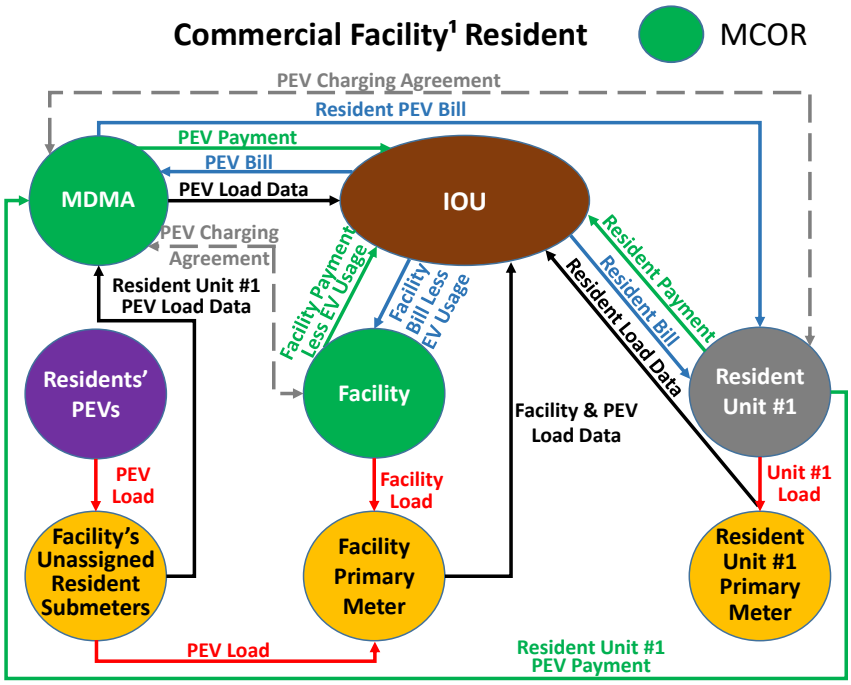


[1] Facility includes residents in MUD, condo complex or commercial building

Scenario 3: MDMA (IOU Customer) Pays Submeter Bill, Facility (IOU Customer) Pays Primary Meter Bill Less EV Charging Usage, Resident (IOU Customer) Pays IOU Unit #1 Bill and Pays MDMA for EV Usage.

Process Flow

1. Resident Unit #1 generates load recorded on residence primary meter
2. Resident Unit #1 joins MDMA's EV charging program and charges PEV which is recorded on unassigned submeter and facility primary meter
3. Facility PEV load data received by MDMA from facility submeter
4. MDMA sends facility PEV load data to IOU
5. PEV and facility load data received by IOU from facility primary meter
6. Residence Unit #1 load data received from residence primary meter
7. IOU performs subtractive billing
8. Resident Unit #1 receives bill for residence and pays IOU
9. Resident receives bill from MDMA for PEV load and Pays MDMA.
10. Facility receives bill less PEV load and pays IOU



[1] Facility includes residents in MUD, condo complex or commercial building

Pacific Gas and Electric Company

SPECIAL AGREEMENT FOR RETAIL STORAGE STATION SERVICE FOR IN FRONT OF THE METER APPLICATIONS

DISTRIBUTION
- ☐ Customer
- ☐ Division
- ☐ Tariff Interpretation
- ☐ Customer Relations
- ☐ Electric Billing Solutions

REFERENCES
SAID #:_____
Premises #:_____
CDx/Acct#:_____
_____

This is an agreement between Pacific Gas and Electric Company (PG&E), a California corporation, and _____ (Customer), a(n) _____. This agreement will be herein referred to as "Agreement".

Customer has requested PG&E to provide Retail Station Power at Customer's premises at _____, County of_____ California, under one of the billing options designated below:

Storage Resource Name/Location	Resource Type: NAS, Flow Battery, Flywheel, Pumped storage etc.	Capacity (KW)	Make and Model e.g.Tesla, ABB, Siemens, Samsung etc.

Capitalized terms in this agreement that are not defined in this agreement are otherwise defined in PG&E's other applicable tariff schedules

☐ **Option 1 – Station Power Load Reference –** Station Power Load Reference value will be established by measuring its Retail Station Power loads at Idle Charging State, prior to issuance of the Permission To Operate (PTO) letter by PG&E.[1] This reference point will be set initially via field tests and will at each anniversary adjust based on the maximum demand values obtained in the prior 12 months.

The initial Station Power Load Reference Value _____ kW

The initial Crossover Threshold Value _____ kW

☐ **Option 2 – Separate Retail Station Power Meter –** Retail Station Power is separately metered, the bill will be determined from actual usage data obtained from either the Retail Station Power grid-tie meter or the station power sub-meter.

The initial Station Power Load Reference Value _____ kW

[1] Per PG&E Rule 21, all energy resources, including storage facilities are not permitted to operate in parallel with the PG&E grid until after all Rule 21 requirements are met including Customer's receipt of a Permission to Operate letter from PG&E.

☐ **Option 3 – Estimation Of Metered Data –** PG&E and Customer shall agree on the derivation methodology and included as specified in this Special Agreement for Retail Storage Station Service For In Front Of The Meter Storage Applications. Such derivation may include reliance upon third-party metering. Metering and other reasonable basis must be agreeable to both PG&E and Customer.

The initial Station Power Load Reference Value _____ kW

SCHEDULING COORDINATOR DESIGNATION:

Storage station service customers must elect a scheduling coordinator prior to the issuance of the PTO.

Scheduling Coordinator Name _____

Address _____

Phone Number _____

Terms and Conditions

1. Customer has requested PG&E to stand ready at all times to deliver or supply and deliver electric energy to Customer's premises on an as-needed basis. Such retail storage station service shall be provided to Customer in accordance with and subject to PG&E's applicable rates and rules as established from time to time by, and on file with, the California Public Utilities Commission.

2. This agreement is not intended to cover wholesale service.

3. PG&E shall be granted, without cost to it, all necessary rights-of-way and easements, satisfactory to PG&E, in both location and form of document, to establish such service.

4. All necessary service facilities to accommodate Customer's retail storage station service load shall be furnished by PG&E and Customer as specified in electric line extension and service rules or the otherwise appropriate extension agreements. Any necessary extensions and reinforcements of PG&E's distribution and transmission facilities that are furnished by PG&E at Customer's expense in accordance with either a separate line extension or special facilities agreement, in accordance with the applicable tariffs.

5. All facilities furnished by PG&E to provide retail storage station service at all times shall be and remain the property of PG&E notwithstanding that they may be affixed to Customer's property. PG&E may remove such facilities upon termination of the Agreement.

6. During the term of this Agreement, Customer grants to PG&E the right to operate, maintain, replace, and repair PG&E's facilities on Customer's premises necessary to provide retail storage station service hereunder and all rights necessary for access to and from such facilities at all reasonable times.

7. All retail storage station service provided shall be _____ phase, 60 hertz, alternating current at an electromotive force of approximately _____ volts. Allowable variations in this frequency and voltage are specified in PG&E's electric Rule 2. The delivery point for the retail storage station service shall be considered the point where conductors owned, or under license by Customer, contact PG&E's conductors, or as otherwise designated by applicable rules.

8. The initial reserved capacity for storage charging service shall be _____ kW (Reservation Capacity) and shall be billed monthly at the rate described in the "Rates" section of Schedule S or Schedule SB. However, the Station Power Load Reference Value shall be the Reservation Capacity.

9. The initial term of this Agreement shall be for a period of one (1) year from the date the station service under this Agreement is first made available to Customer as such date is established in PG&E's records and shall continue thereafter from year to year. Customer may terminate this Agreement at the expiration of the initial or any subsequent one-year term, or PG&E may terminate this Agreement in accordance with its tariffs, provided that written notice of such termination is given to the other party at least thirty (30) days prior to such termination date.

10. Customer may, with PG&E's written consent, assign this Agreement to a subsequent owner of the premises if the assignee will, in writing; agree to perform the obligations of the Agreement.

11. 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.

Dated this _____ day of _____, _____.

APPROVED:

	PACIFIC GAS AND ELECTRIC COMPANY
_____	
Customer	
_____	_____
Authorized Signature	*Authorized Signature*
_____	_____
Print Name	*Print Name*
_____	_____
Title	*Title*
_____	_____
Date	*Date*

Mailing Address:

_____

_____

_____

_____

Mailing Address:

Pacific Gas and Electric Company

77 Beale Street, M/C B8M

San Francisco, CA 94105

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

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 and participants in the Demand Response Programs below are not eligible to participate in NEM.
  - 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 NEM program.

Part I – Generating Facility Information and Responsible Parties

A. Customer and Generating Facility Information (*as it appears on the PG&E bill):

NEM 30 kilowatts or Less Paired with Energy Storage: ❑ Single Account ❑ Multiple Aggregated Accounts

Note: Net Energy Metering Aggregation (NEMA) is a program that allows customers with multiple meters to use the renewable energy generated at one meter (up to 1MW) 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. Energy Storage system must be 10 kilowatts or less.

Customer Sector (check only one):

❑ Residential
❑ Commercial
❑ Industrial
❑ Non-Profit
❑ Educational
❑ Military
❑ Other Government

Account Holder Name* (Individual or Company) _____ Electric Service Agreement ID * _____ Meter Number* _____

Service Address* _____ City* _____ State CA Zip* _____

Customer Phone Number _____ Email (if blank, Permission to Operate (PTO) letter will be mailed to mailing address on record) _____

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 Interconnection For Solar And/Or Wind Electric Generating Facilities Of 30 Kilowatts Or Less with Energy Storage of 10 Kilowatts Or Less

Pacific Gas and Electric Company

❑ **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 an Interconnection Request 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 – NEM Generator System Size

A. Interconnection Study and Requirements

This Agreement covers the installed Generating Facility nameplate listed in the associated Interconnection Request.

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) a valid Interconnection Request, and (3) a copy of the final signed jurisdiction approval (building permit) for your project.

NEM 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. For customers on a Time-of-Use rate, sizing your system to offset 80%-85% of your average electricity usage could be an effective way to minimize your electricity bill. For customer who are not on a Time-of-Use rate, you might want to size your system larger (90-95% of your annual load), in order to minimize your electricity bill. Of course, individual circumstances may vary. Customers can obtain their usage data from www.pge.com/greenbutton. System sizing eligibility will be reviewed using the criteria below.

B. Generator System Sizing

Generator System Type: ❒ Solar ❑ Wind ❒ Both

Estimated Annual Production:

- Please complete this section only if installing a new Solar or Wind system or modifying an existing Solar or Wind system. This section is not applicable if only adding energy storage to an existing previously interconnected Solar or Wind system.
- Solar Systems > 5 kW (CEC-AC kW) or any system with wind, size is determined below. Please continue to fill out all of Section B.
- The Solar CEC-AC kW calculated from the Application cannot exceed 5% of the CEC-AC kW listed above

AGREEMENT AND CUSTOMER AUTHORIZATION
Net Energy Metering Interconnection For Solar And/Or Wind Electric Generating Facilities Of 30 Kilowatts Or Less with Energy Storage of 10 Kilowatts Or Less

	(1) Solar CEC-AC rating[A]	_____ (kW) X 1,664[B]	=	_____ (kWh)
AND/OR	(2) Wind Nameplate rating	_____ (kW) X 2,190[C]		_____ (kWh)
	(3) Total Energy Production	(1) + (2)		_____ (kWh)

Estimated Annual Energy Usage:

	(4) Recent annual usage	_____ (kWh) X 1.1	=	_____ (kWh)
OR (If 12 months usage not available)	(5) Building size	_____ (sq ft) X 3.32[D]	=	_____ (kWh)
AND	(6) I plan to increase my annual usage (kWh) by			_____ (kWh)
	(7) Total Energy Usage	(2 or 3) + (4)	=	_____ (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 J to read the provisions around Net Surplus Compensation (NSC).

Non-NEM Eligible Energy Storage System:

Energy Storage System Rating _____ kW

Does the energy storage system share an inverter with the NEM system? ☐ Yes ☐ No

If not, please provide:

Energy Storage Inverter Rating _____ kW

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 NEM Account: Select one rate from the category applicable to you. Visit www.pge.com/rateoptions or call (800)-PGE-5000 for rate information.

[A] 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
[B] 8,760 hrs/yr x 0.19 solar capacity factor = 1,664
[C] 8,760 hrs/yr x 0.25 wind capacity factor = 2,190
[D] 2 watts/ sq ft x 1/1,000 watts x 8,760 hrs/yr x 0.19 solar capacity factor = 3.32

AGREEMENT AND CUSTOMER AUTHORIZATION
Net Energy Metering Interconnection For Solar And/Or Wind Electric Generating Facilities Of 30 Kilowatts Or Less with Energy Storage of 10 Kilowatts Or Less

Residential Service Rate (Select one):

- ❑ E-1 – Non-Time-of-Use
- ❑ E-6 – Time-of-Use
- ❑ E-7[E] – Time-of-Use
- ❑ E-8[F] – Non-Time-of-Use
- ❑ E-9A[F] – Time-of-Use for Customers with a single meter for Electric Vehicle (EV) recharging station and home
- ❑ E-9B[F] – Time-of-Use for Customers with a separately metered EV recharging station
- ❑ EV-A[F] – Time-of-Use for Customers with a single meter for Electric Vehicle (EV) recharging station and home
- ❑ EV-B[G] – Time-of-Use for Customers with a separately metered EV recharging station
- ❑ Other (_____)

Small and Medium Commercial Service Rate (Select one rate and primary or secondary service voltage):

	Primary	Secondary
❑ A-1 – Small General Service	❑	❑
❑ A-6 – Small General Time-of-Use Service	❑	❑
❑ A-10 – Medium General Demand-Metered Service	❑	❑
❑ A-10 – Medium General Time-of-Use Service	❑	❑
❑ B-1 – Small General Service	❑	❑
❑ B-6 – Small General Time-of-Use Service	❑	❑
❑ B-10 – Medium General Time -of-Use Service	❑	❑
❑ Other (_____)	❑	❑

Agricultural Power Service Rate: (Select one rate and rate option):

	A	B	C	D	E	F
❑ AG-1	❑	❑				
❑ AG-R[F] – Split-Week Time-of-Use	❑	❑		❑	❑	
❑ AG-V[F] – Short-Peak Time-of-Use	❑	❑		❑	❑	
❑ AG-4 – Time-of-Use	❑	❑	❑	❑	❑	❑
❑ AG-5 – Time of Use	❑	❑	❑	❑	❑	❑
❑ Other (_____)	❑	❑	❑	❑	❑	❑

If your current rate is a closed rate, as identified in Footnote F, and you are now opting to move to a non-closed rate per the Otherwise Applicable Rate Schedule (OAS) for NEM Account, please check the box below acknowledging that you are leaving the closed rate and will not be able to select the closed rate in the future.

❑ I acknowledge and consent to leaving my current rate that is a closed rate

[E] E-7, E-8, E-9A, E-9B, AG-R, and AG-V are closed to all new customers and are only available to Customers that are currently on the rate
[F] Rates effective August 1, 2013 for Customers with Electric Vehicles. Please visit www.pge.com/electricvehicles for more rate information

AGREEMENT AND CUSTOMER AUTHORIZATION
Net Energy Metering Interconnection For Solar And/Or Wind Electric Generating Facilities Of 30 Kilowatts Or Less with Energy Storage of 10 Kilowatts Or Less

Part IV – Interconnection Agreement Provisions

A. Purpose

The purpose of this Net Energy Metering (NEM) Application and Interconnection Agreement for Solar and/or Wind Electric Generating Facilities of 30 Kilowatts or Less (Agreement) is to allow Customer to interconnect with Pacific Gas and Electric Company's (PG&E) Distribution System, subject to the provisions of this Agreement and PG&E's Electric Schedule Net Energy Metering (NEM). Customer has elected to interconnect and operate its solar and/or wind electric Generating Facility in parallel with PG&E's Distribution System to offset part or all of the Customer's own electrical requirements at this service point. Customer shall comply at all times with this Agreement as well as with all applicable laws, tariffs and requirements of the California Public Utilities Commission (CPUC).

B. Applicability

This Agreement applies to Electric Schedule NEM Customer-Generators (Customer) who interconnect a solar and/or wind turbine electrical 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.

C. 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 for more details.

D. 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.

E. 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 electrical 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.

F. 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 electrical 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.

G. 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.

H. Rate

Customer has confirmed their otherwise applicable rate schedule (OAS), establishing how 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.

I. NEM Billing

PG&E installs a "net meter" on a customer's property that measures the net energy, defined as the difference between the amount of electricity supplied by the energy service provider and the amount of electricity exported to the grid over the course of a month. The Customer's account is enrolled in the NEM program and put on an annual (12-billing months) true-up cycle.

The meter is read monthly and an amount is calculated based on the net energy recorded in kilowatt hours (kWh). If a customer exported more electricity than they drew from PG&E 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.

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 NEM billing is available at www.pge.com/nembilling.

J. Net Surplus Compensation (NSC)

NSC payments are made to NEM 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. Participants in NEMA, please see provisions in Form 79-1153.

K. 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.

L. 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.

M. 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.

N. 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 NEM.

O. Meter Access

The electric meter must be installed in a safe location easily accessible upon PG&E request.

P. 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 NEM.

Q. 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.

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[1] 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.

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.

[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 Customer final inspection clearance from the governmental authority having jurisdiction over the generating system.

AGREEMENT AND CUSTOMER AUTHORIZATION
Net Energy Metering Interconnection For Solar And/Or Wind Electric Generating Facilities Of 30 Kilowatts Or Less with Energy Storage of 10 Kilowatts Or Less

R. Signature

IMPORTANT INFORMATION FOR CUSTOMERS – BE SURE TO READ THIS ENTIRE DOCUMENT BEFORE SIGNING – THIS IS A LEGALLY BINDING CONTRACT – READ IT CAREFULLY.

THIS FORM MUST BE SIGNED BY AN EXISTING PG&E CUSTOMER.

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 will accept electronic signatures that are verified by qualified Third Parties such as, Adobe EchoSign, e-SignLive, and DocuSign for this Agreement if the Agreement is completed in its entirety before signing.

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 NEM requirements.

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 http://www.gosolarcalifornia.org/equipment/inverters.php.)

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,

(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)
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)

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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 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).

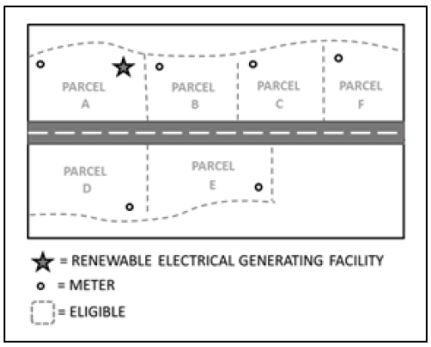
ATTACHMENT E

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: 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

1.3.2. 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: http://www.energy.ca.gov/renewables/documents/index.html#rps

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 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)*

Pacific Gas and Electric Company

SPECIAL AGREEMENT FOR ELECTRICAL STANDBY SERVICE

DISTRIBUTION
- ☐ Customer
- ☐ Division
- ☐ Tariff Interpretation
- ☐ Customer Relations
- ☐ Electric Billing Solutions

REFERENCES

QF Log #:_____

Premises #:_____

CDx/Acct#:_____

_____

This is an agreement between Pacific Gas and Electric Company (PG&E), a California corporation, and _____ (Customer), a(n) _____. This agreement will be herein referred to as "Agreement".

Customer has requested PG&E to provide standby service at Customer's premises at _____, County of_____ California, under one of the standby options designated below:

[ ] **Option 1 – PG&E Standby Through Non-PG&E Supply Facilities** – Standby service for customers whose supply requirements would otherwise be delivered through PG&E owned facilities (including Independent System Operator controlled transmission facilities), are regularly and completely supplied through facilities not owned by PG&E.

The non-utility owned generating facilities have a total rated capacity of approximately _____kVA.

All PG&E power deliveries will be made under Schedule S or Schedule SB -- *Standby Service*.

[ ] **Option 2 – PG&E Standby When Service is from Another Utility –** Standby service for customers who regularly take electric service from another public utility but desire PG&E to reserve its generation, transmission or distribution capacity for their use:

Customer currently is supplied regular electric service from another utility's generation, transmission, or distribution system; Customer may be alternately served by PG&E by means of a double-throw switch. Both PG&E and the other utility have consented to this arrangement. Customer's maximum demand from electric equipment on his premises is _____kW.

All PG&E power deliveries will be made under Schedule S or Schedule SB.

This option is closed to all new customers after January 19, 2001.

[ ] **Option 3 – PG&E Standby for Non-Continuous/Irregular PG&E Supply** – Standby service for customers who require PG&E to reserve transmission or distribution capacity and stand ready at all times to deliver electricity on an irregular or non-continuous basis:

Customer has a) a premise which is normally, in part but not in whole, served by non-utility owned generation facilities with a total rated capacity of less than 50 percent of Customer's maximum demand for that premise, or b) a premise which qualifies for back-up service under the provisions of Special Condition 7 of Schedule S or Schedule SB (See Option 4) but chooses not to elect Option 4 or currently lacks the necessary on-site metering to bill Option 4 properly, or c) electrical equipment which is used on an irregular or non-continuous basis. The total rated capacity of Customer's generation facilities or irregularly utilized equipment is _____ kVA.

Customer will be billed for all PG&E power deliveries on the otherwise applicable rate schedule; however, Special Conditions 1 through 6 and 8, 9, and 10 of Schedule S or Schedule SB will also apply to Customer's service.

[ ] **Option 4 – PG&E Supplemental (Back-up and Maintenance) Standby Service –** Standby service for customers who do not meet the criteria described in Option 1 and 2 above, but elect to receive back-up and maintenance portion of their total standby requirements under the provisions of Special Condition 7 of Schedule S or Schedule SB:

At least 50 percent of Customer's maximum electric demand is served by a non-utility owned generator, and all necessary metering has been installed (by May 1, 1994, or the effective date of the contract) by PG&E to separately measure Customers net on-site generation and on-site load requirements. Customer would otherwise, except for such generation, qualify for service under Schedule E-19 (mandatory), E-20, ~~or E-37~~ B-19 or B-20.

Customer will be billed for the back-up and maintenance portion of the premises' total service requirements under the provisions of Special Condition 7 of Schedule S or Schedule SB, and for its ordinary supplemental power requirements (on-site load in excess of the capability of the customer's non-utility owned generation) under the provisions of the otherwise applicable rate schedule. All back-up and maintenance power deliveries by PG&E will be billed in accordance with Schedule S or Schedule SB. The total rated capacity of Customer's generation is kVA.

[ ] **Option 5 – PG&E Standby for Station Load Self-Supply –** Standby service for customers, whose supply requirements would otherwise be delivered through PG&E owned facilities (including Independent System Operator controlled transmission facilities), where the customers' Station Power requirements are regularly supplied through generating units in accord with the customer's CAISO-approved Station Power Portfolio (SPP), as described under the provisions of Special Condition 15 of Schedule S or Schedule SB .

PU Code 353 exemption:

Standby service for customers who qualify for exemption under PU Code 353 and elect to take this exemption.

[ ] *Customers does NOT qualify for PU Code 353 exemption*

[ ] **Customers with supplemental power requirements:**

For customers with supplemental power requirements (on-site load in excess of the capability of the customer's non-utility owned generation) under the provisions of the otherwise applicable rate schedule, Special Conditions 1 through 7 of Schedule S or Schedule SB will ***not*** *apply. (Option 3)*

[ ] **Customers with excess generation:**

For those customers who operate electric generation equipment capable of serving their entire load and elect to take this exemption, Special Condition 1 (reservation capacity) will ***not*** *apply. All other applicable charges of Schedule S or Schedule SB will apply. (Options 1, 2 and 4)*

Terms and Conditions

1. Customer has requested PG&E to stand ready at all times to deliver or supply and deliver electric energy to Customer's premises on an as-needed basis. Such standby service shall be provided to Customer in accordance with and subject to PG&E's applicable rates and rules as established from time to time by, and on file with, the California Public Utilities Commission (Commission).

2. PG&E shall be granted, without cost to it, all necessary rights-of-way and easements, satisfactory to PG&E, in both location and form of document, to establish such service.

3. All necessary service facilities to accommodate Customer's load shall be furnished by PG&E and Customer as specified in electric line extension and service rules or the otherwise appropriate extension agreements. Any necessary extensions and reinforcements of PG&E's distribution and transmission facilities that are furnished by PG&E at Customer's expense in accordance with either a separate line extension or special facilities agreement, in accordance with the applicable tariffs.

4. All facilities furnished by PG&E to provide electric service at all times shall be and remain the property of PG&E notwithstanding that they may be affixed to Customer's property. PG&E may remove such facilities upon termination of the Agreement.

5. During the term of this Agreement, Customer grants to PG&E the right to operate, maintain, replace, and repair PG&E's facilities on Customer's premises necessary to provide standby service hereunder and all rights necessary for access to and from such facilities at all reasonable times.

6. All standby electric service provided shall be _____ phase, 60 hertz, alternating current at an electromotive force of approximately ___ volts. Allowable variations in this frequency and voltage are specified in PG&E's electric Rule 2. The delivery point for PG&E's standby service shall be considered the point where conductors owned, or under license by Customer, contact PG&E's conductors, or as otherwise designated by applicable rules.

7. The initial reserved capacity for standby service shall be ___kW (Reservation Capacity) and shall be billed monthly at the rate described in the "Rates" section of Schedule S or Schedule SB.

   If the Customer is already receiving standby service from PG&E under a preceding contract, that contracted or reserved capacity, or the amount of capacity to which that contract has been subsequently ratcheted, shall automatically become the Customer's Reservation Capacity, until the ratchet period ends unless the Reservation Capacity has been increased in accordance with the preceding paragraph.

8. Customer elects to receive any backup and maintenance service that is to be billed under the provisions of Schedule S or Schedule SB under the following terms: _____ Firm Service Only.

9. If Customer has a generator and wishes to operate that generator in parallel with PG&E's system, Customer must also execute either a power purchase agreement, or parallel operation agreement, or applicable interconnection agreement with PG&E. Interconnection and operation of all non-utility owned generation paralleling with PG&E's system will be treated in accordance with electric Rule 21. Customers may need to meet those requirements as imposed by other governing entities having jurisdiction including the Independent System Operator and the Western Systems Coordinating Council.

10. Customer shall pay PG&E the monthly charges for the standby service provided hereunder at any established office of PG&E.

11. The initial term of this Agreement shall be for a period of one (1) year from the date the standby service under this Agreement is first made available to Customer as such date is established in PG&E's records and shall continue thereafter from year to year. Customer may terminate this Agreement at the expiration of the initial or any subsequent one-year term, or PG&E may terminate this Agreement in accordance with its tariffs, provided that written notice of such termination is given to the other party at least thirty (30) days prior to such termination date.

12. Customer may, with PG&E's written consent, assign this Agreement to a subsequent owner of the premises if the assignee will, in writing; agree to perform the obligations of the Agreement.

13. 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.

SPECIAL AGREEMENT FOR ELECTRICAL STANDBY SERVICE

Dated this _____ day of _____, _____.

APPROVED:

	PACIFIC GAS AND ELECTRIC COMPANY
_____ Customer	_____
_____ Authorized Signature	_____ Authorized Signature
_____ Print Name	_____ Print Name
_____ Title	_____ Title
_____ Date	_____ Date

Mailing Address: _____ Co

_____

_____

Mailing Address: Pacific Gas and Electric

77 Beale St. B8M

San Francisco, CA 94105

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/)].

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 ~~(http://www.pge.com/tariffs/tm2/pdf/ELEC_SCHEDS_S.pdf~~)*

(Attach additional sheets, if necessary. Template for extra sheet is available upon request)

Pacific Gas and Electric Company

DISTRIBUTION
- ☐ Customer
- ☐ Division,
- ☐ Records Processing

REFERENCES
PM#:_____
BD#:_____
SA#:_____

AGREEMENT FOR UNMETERED ELECTRICAL SERVICE

This Agreement between _____ (Customer) and Pacific Gas and Electric Company (the Company) is to establish and govern the provisions of unmetered electric service provided by the Company at the locations reported for equipment described in the attachments to this Agreement and billing data reported monthly or annually as required by this Agreement and subject to review by the Company for unmetered status.

WHEREAS, in the Company's opinion, it would be impractical to install electric meters at the requested locations and for equipment installed subject to this Agreement; and

WHEREAS, the consumption of electricity at such locations and for such equipment can be reasonably determined from manufacturer's specifications and operating characteristics of the Customer where the load is 11 hour photo controlled or 24 hour constant and of *one hundred fifty (150) watts or less rated or average consumption* on any one service connection point; and

WHEREAS, pursuant to the Company's electric Preliminary Statement Part A.6.a, Customer and the Company agree that, in lieu of installing meters at each location, the Company shall provide unmetered electric service as provided herein.

NOW THEREFORE, in consideration of the terms and covenants contained herein, Customer and the Company hereby agree as follows:

1. Customer's equipment that is the subject of this Agreement, are identified in the data sheets set forth in Attachment A (Equipment). Each location will be considered a separate account and billed on the Company's regular monthly billing cycle for the applicable area. Each location will be evaluated for unmetered service separate from any other location. Billing of fixed usage will be done under the rate schedule indicated on Attachment A. Billing will be based on the methodology described in paragraph 3, below. This Agreement is for Equipment directly connected to the Company's distribution system, and is not available for equipment connected via a third party service, third party equipment, or through photo control adapters attached to Company-owned or third-party-owned street light facilities.

2. Each individual piece of Equipment shall constitute a separate unit for purposes of this Agreement. The method of determining the electric usage for each unit shall be as follows:

   a) Where a unit is controlled by a photo control, any such photo control must meet ANSI Standard C136.10, turn on value 1.0 foot candles and turn off value of 1.5 foot candles. Usage must be equal to or less than 150 watts rated or average consumption. It will be billed at 11 hours of photo controlled operating time per day.
   b) Where a unit is not photo controlled, the unit will be billed on a 24-hour basis. Usage must be equal to or less than 150 watts rated or average consumption.
   c) Customer shall provide the Company all of the information necessary to complete Attachment A, including without limitation, the description of the equipment model, type, unit and load, prior to the installation of any Equipment. To facilitate completion of Attachment A, third party testing results or metered results are required where Customer has no manufacturer data. Information to verify the number and location of all Equipment at each service location shall be reported as described in Attachment B.

3. The monthly energy charge will be based on Equipment identified in Attachment A and the calculated kilowatt hours (kWh) applied to all locations for that equipment from the documented average consumption or rated input (not to exceed 150 watts) multiplied by either a) 731 hours per month (for 24-hour continuous usage) under paragraph 2b, above; or b) 335 hours per month (for photo controlled usage) under paragraph 2a, above. The monthly charge shall also include all other charges under the General Services rate schedule A-1 or B-1, including the single customer charge per location.

4 Pursuant to Section D of the Company's Electric Rule 3, Customer will promptly furnish the Company with notice of any changes in the connected or rated electrical loads or operating characteristics of such load for Equipment and each location for which service is provided under this Agreement, Attachment A shall be revised for the Equipment in question. As required in paragraph 6, Customers shall furnish the Company with information with a frequency and in a format acceptable to the Company, verifying and reconciling the Equipment at each service location, current installs and removals for the month or annually, including changes in Model or type of equipment. Any changes relating to the Model or type shall be reported as described in Attachment A. Any changes relating to the number or location of any Equipment and reflecting the net result of any installations or removals shall be reported as described in Attachment B. If it is determined that electrical load is connected that has not been accurately reported to the Company by Customer, such load will be billed in accordance with Electric Rules 17, 17.1, and 17.2 as applicable, and Customer shall pay the applicable charges for this electrical load, calculated in accordance with paragraphs 2 and 3, above. The Company reserves the right to field or bench test Customer's Equipment to verify the full rated input or average consumption. The Company reserves the right to review calibration records of Customer's test equipment used to provide measured load for previously existing grandfathered units. For load with photo controls, if photo control is discovered to be malfunctioning, billing will be based on 24-hour continuous load until such time it has been demonstrated to the Company's satisfaction that the control has been made operable.

5. Auditing will be conducted at the Company's sole discretion. Customer will provide a complete and accurate inventory and other information as required in paragraph 4 and in Attachment A and Attachment B. Customer shall provide access to Equipment and provide assistance to the Company as necessary to complete the audit. The Company shall have the right to collect the costs of the additional field verification work that would otherwise not be incurred in serving metered facilities.

6. As provided for in the Company's Electric Rule 11, Section A.1, billing will continue until such time that Customer informs the Company with 2 days prior written notice to: a) terminate billing: and b) as a condition of this Agreement, to make proper notification for scheduling the Company to de-energize Customer's Equipment.

7. Only duly authorized employees or agents of the Company may connect Customer's electrical loads to, or disconnect the same from, the Company's electric distribution facilities.

8. Neither this Agreement nor conditions of electric service hereunder shall constitute permission or authorization for any use or occupation of the Company's facilities or facilities of any third party by Customer. It shall be sole responsibility and obligation of Customer to secure any rights or permission that may be necessary for the placement and use of Customer's Equipment on private property or within the public right of way.

9. Service furnished in accordance with this Agreement shall in all respects be subject to Company's applicable tariffs on file with the California Public Utilities Commission and shall at times be subject to such changes or modifications by the California Public Utilities Commission as said Commission may, from time to time, direct in the exercise of its jurisdiction.

[1]Automated Document, Preliminary Statement Part A

10. Customer's Equipment shall be installed, maintained and operated at all times in accordance with all applicable laws, rules and regulations by any governmental authority with jurisdiction, including Commission's General Order 95. Customer will inform the Company as to the state, county, or local government authority with jurisdiction to approve installation of facilities to be energized, obtain proper inspection clearance or other approvals as required, and provide evidence of clearance to the Company. Where no state, county or local government authority has jurisdiction over Customer's installation, Customer will inform the Company of that fact and will provide the Company with a letter from Customer's qualified electrical engineer or engineering consultant authorizing Company to energize service to Customer's Equipment and indicating compliance with Customer's design criteria.

11. This Agreement may be cancelled by either party on thirty (30) days prior written notice to the other party, which shall result in termination of service, unless: a) a subsequent executed superseding agreement governing the terms of unmetered service has gone into effect prior to the termination of this Agreement; or b) a meter has been installed and the service has been transferred to metered status.

12. The Company may, at a later date, require metering of new, existing, additional, rearranged or relocated equipment that would otherwise register on its metering devices with then available practical technology, and decline to provide or continue unmetered service.

13. Nothing in this Agreement shall preclude the Company from requesting authority from the California Public Utilities Commission to implement an electric tariff for unmetered service. If an unmetered electric service tariff is approved for the Company, it shall apply to Customer's installations under this Agreement.

14. If Customer acquires additional unmetered facilities through merger, purchase, or other forms of acquisition, all such acquired unmetered facilities shall become subject to this Agreement, and billing will be adjusted as required by this Agreement. Customer must provide the information necessary to complete new Attachment A(s), if such additional unmetered facilities have not previously been identified to the Company. If Customer is acquired by a third party, assignment of this Agreement shall be subject to the provisions of paragraph 20.

15. The Company is authorized to revise the form of Attachment A and Attachment B at its sole discretion and at any time require additional information from Customer for the purpose of this Agreement, including without limitation, accurate data concerning equipment, maintaining accurate records, and promoting accurate and efficient billing.

16. All notices required herein shall be given in writing and delivered personally, by United States Postal Service or other nationally recognized courier service to the appropriate address below. Addresses may be changed by the Company or Customer as business needs change.

Customer:	_____	Pacific Gas and Electric Company
Address:	_____	Billing Revenue & Records
	_____	P.O. Box 8329
	_____	Stockton, CA 95208
	_____	
Attn:	_____	Attn. Unmetered Electric Usage

[1]Automated Document, Preliminary Statement Part A

17. Customer's bill shall be mailed to the address listed below and in Attachment A.

Billing Name: _____
Address: _____
_____

Attn: _____

18. The waiver by either Party of any default in the performance, or failure to insist on strict performance, by the other or any covenant or condition contained herein shall not be construed to be a waiver of any preceding or subsequent default of the same or any other covenant contained herein.

19. Customer may, with the Company's written consent, assign this Agreement if the assignee agrees in writing to perform all of Customer's obligations hereunder. Such assignment will be deemed to include, unless otherwise specified therein, all of the Customer's rights to any refunds which might become due upon discontinuance of service contracted. Customer remains responsible for all obligations under this Agreement up to the effective date of the assignment. In lieu of an assignment, the Customer's successor in interest may retrofit the Equipment for metering under Company's existing tariffs.

APPROVED:

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

[1]Automated Document, Preliminary Statement Part A

Pacific Gas and Electric Company

DISTRIBUTION:	REFERENCES:
☐ Billing Revenue and Records (Original)	Date of Agreement:
☐ Service Planning (Copy)	Date of Attachment:
☐ Customer (Copy)	PM #:
	SA #:

Attachment A to Agreement for Unmetered Services, Form 79-972*

Applicant: _____
Address: _____
_____
Billing Name: _____
Address (if different from mailing): _____
_____

Equipment billing information (to be completed by Pacific Gas and Electric Company)

Manufacturer/model or series _____

Equipment type* _____

**Use only one Attachment A per Equipment type*

Basic calculation for monthly kiloWatt hours (kWh) rounded to the nearest whole kWh for billing.
((Nominal voltage x Amps) /1000) x hours of operation
Use 731 hours for 24 hour load, or 335 hours for 11 hour photo controlled load.

Adjust Amps as needed when Average Documented Consumption is used in place of full rated amps for proper kWh billing.

Rate schedule	Nominal volts	Amps	Operating hours	*kWh/Mo billing*
A-1 or B-1				0

Applicant must provide the following:

° Equipment model, type and unit identification number
° Input ratings in amps, nominal volts or documented average consumption
° Description of apparatus, if any, which controls hours of equipment operation, photo control or other operating characteristics including range of efficiency rating, selectable range of voltages, and any other information deemed necessary by Pacific Gas and Electric Company to accurately establish billing amounts.

Additional documentation and attachments as required by Pacific Gas and Electric Company:

° *Pursuant to paragraphs 2a and 4 of the Agreement, for billing reporting, information required includes, but is not limited to:*
° Equipment location (e.g., Street light number, GPS coordinate or other acceptable identification)
° Notification of tax exemptions which apply to the provisions of service under this Agreement

Provide the following when requesting service through Pacific Gas and Electric Company local offices

° A copy of the Agreement and Attachments for Unmetered Services
° Necessary infromation to complete an Electric Rule 3 request for service if required.

* "Automated Document, Preliminary Statement, Part A".

Redline Preliminary Statement

ELECTRIC PRELIMINARY STATEMENT PART I Sheet 1
RATE SCHEDULE SUMMARY

I. Rate Summary

The following rates are used to separate billed revenue for accounting purposes.

Billed Component	Subcomponent	Applicability	Rate (per kWh)	
Distribution	California Public Utilities Commission Fee	All rate schedules, all customers.	$0.00059	(I)
Distribution	CEE Incentive Rate	All rate schedules, all customers.	($0.00002)	
Transmission	Transmission Access Charge (FERC Jurisdictional)	All rate schedules, all customers.	$0.00618	
Transmission	End-Use Customer Refund Adjustment (ECRA)	Residential Small L&P Medium L&P E-19/B-19 Streetlights Standby Agriculture E-20/B-20	($0.00010) ($0.00008) ($0.00008) ($0.00008) ($0.00006) ($0.00006) ($0.00006) ($0.00006)	
Public Purpose Programs	CARE Surcharge	All rate schedules except CARE schedules, Schedules TC-1, LS-1, LS-2, and LS-3, and qualifying CARE usage under Schedules ESL, ESRL, ETL, and E-CARE~~A-1, A-6, A-10, and E-19~~; all customers.	$0.00699	

(Continued)

Redline Rules

ELECTRIC RULE NO. 1
DEFINITIONS
Sheet 4

BEHIND-THE-METER SOLAR TOU PERIOD GRANDFATHERING ELIGIBILITY REQUIREMENTS: (Cont'd) (N)

E. Eligible System

An Eligible System is a solar (PV) generating facility:

(1) That serves customer load behind-the-same meter as the generating facility. Such Generating Facilities may be taking service on Rate schedules NEM, NEM2, NEMV, NEM2V, NEMVMASH, NEM2VMSH, E-REMAT, RES-BCT, the RAM program, or interconnected under Electric Rule 21 as non-export or uncompensated export; and for which an Initial interconnection application was received by PG&E

(a) No later than January 31, 2017; or

(b) (for Public Agencies), no later than December 31st, 2017. (Public agency is defined here as public schools, colleges and universities; federal, state, county and city government agencies; municipal utilities; public water and/or sanitation agencies;and joint powers authorities).

(2) For which PG&E has received evidence of the customer's final inspection clearance from the governmental authority; and

(3) If the interconnection application was received by PG&E between January 23, 2017 and December 31, 2017, the generating facility must be designed to offset at least 15%[1] of the customer's current load, in a manner with consistent with the Option R requirements in Rate Schedule E19, Special Condition ~~20~~19, . This requirement must be met at the time the Initial Application is filed and PG&E reserves the right to verify this requirement. This requirement will not be retroactively applied to systems where an application to interconnect was received by PG&E prior to January 23, 2017.[2]

For the purposes of TOU Period Grandfathering, Permission to Operate (PTO) refers to the original permission to operate date as issued by PG&E for the Eligible System. Any subsequent requests to modify that previously approved system do not restart the Transition Mitigation Period once the new PTO is issued nor can any changes alter its original TOU grandfathering eligibility. (N)

[1] For tracking systems, PG&E agrees to use a 21% capacity factor for a single tracker, or 24% for a dual tracker, instead of the 18% in the Option R calculation in E-20 Special Condition ~~18~~17, Footnote 1. ~~PG&E anticipates proposing a similar change to the Option R provisions of E-19 and E-20 in another advice letter.~~

[2] PG&E will not apply the 15% load requirement to systems with PTO prior to January 23, 2017, the date of (D.) 17-01-006. The intent of the 15% load requirement was to eliminate the potential for applications submitted after the CPUC's decision was issued on January 23, 2017 seeking to "lock in" a legacy TOU period by installing only a token amount of on-site solar generation.

(Continued)

SCHEDULED METER READING DATE: The date PG&E has scheduled a Customer's meter to be read for the purposes of ending the current billing cycle and beginning a new one. PG&E's meter reading schedule is published annually, but is subject to periodic change. (L)

SCHEDULING COORDINATOR: An entity meeting requirements as set forth by the Commission, FERC, and these tariffs.

SERVICE ACCOUNT: Same as "Account."

SINGLE-CUSTOMER SUBSTATION: A substation owned by PG&E and dedicated to serve a specific customer. Substations transform electricity from transmission to distribution voltage.

SMALL BUSINESS CUSTOMER: A non-residential Customer who: (1) has a maximum billing demand of 20 kW, or less, per meter during the most recent 12 month period, or (2) has an annual usage of 40,000 kWh, or less, during the most recent 12 month period, or (3) meets the definition of a "micro-business" under California Government Code 14837. This definition does not include non-residential Customers who are on a fixed usage or unmetered usage rate schedule.

SMALL BUSINESS CUSTOMER – CALIFORNIA CLIMATE CREDIT: For purposes of receiving the California Climate Credit from the State of California, pursuant to Decision (D.) 12-12-033 and D.13-12-002, customers are designated as Small Business Customers and are eligible to receive the California Climate Credit if they are a non-residential customer receiving service under a General Service or Agricultural Pumping rate schedule with an electric billing demand that does not exceed 20 kW in more than three months in the previous twelve-month period. For customers that lack twelve months of billing history, Small Business Customer eligibility is based on the customer's available historic usage. Customers who meet the eligibility criteria for Small Business Customers but who are designated as Emissions-Intensive and Trade-Exposed (EITE) receive the EITE credit only.

SMALL CUSTOMER: Customers on demand-metered schedules (A-10/B-10 and E-19V/B-19V), with less than 20 kW maximum billing demand per meter for at least 9 billing periods during the most recent 12 month period; or (2) any customer on a non-demand metered schedule (A-1/B-1 and A-6/B-6); or (3) any customer on a residential rate schedule. (L)

(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 (T)

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, EL-TOU, EV, A1, ~~and~~ A-6, B-1 and B-6 and wish to minimize variations in monthly bills, may elect to participate in the Budget Billing. 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. (T)

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. (T)

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. (T) (T) (T)

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. (T)

(Continued)

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.
P.C. CalCom Solar
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
City of Palo Alto

City of San Jose
Clean Power Research
Coast Economic Consulting
Commercial Energy
County of Tehama - Department of Public Works
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
Evaluation + Strategy for Social Innovation
GenOn Energy, Inc.
Goodin, MacBride, Squeri, Schlotz & Ritchie
Green Charge Networks
Green Power Institute
Hanna & Morton
ICF
International Power Technology
Intestate Gas Services, Inc.
Kelly Group
Ken Bohn Consulting
Keyes & Fox LLP
Leviton Manufacturing Co., Inc. Linde
Los Angeles County Integrated Waste Management Task Force
Los Angeles Dept of Water & Power
MRW & Associates
Manatt Phelps Phillips
Marin Energy Authority
McKenzie & Associates

Modesto Irrigation District
Morgan Stanley
NLine Energy, Inc.
NRG Solar

Office of Ratepayer Advocates
OnGrid Solar
Pacific Gas and Electric Company
Peninsula Clean Energy

Pioneer Community Energy
Praxair

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
Utility Specialists

Verizon
Water and Energy Consulting Wellhead Electric Company
Western Manufactured Housing Communities Association (WMA)
Yep Energy