

PUBLIC UTILITIES COMMISSION

505 VAN NESS AVENUE
SAN FRANCISCO, CA 94102-3298



January 25, 2011

Advice Letter 3778-E

Jane K. Yura
Vice President, Regulation and Rates
Pacific Gas and Electric Company
77 Beale Street, Mail Code B10B
P.O. Box 770000
San Francisco, CA 94177

**Subject: Revisions to Electric Rate Schedules NEM and NEMVNMA in
Compliance with Assembly Bill 510 to Increase the Participation
Cap to 5% and Add an Inspection Reporting Requirement**

Dear Ms. Yura:

Advice Letter 3778-E is effective January 13, 2011.

Sincerely,

A handwritten signature in blue ink that reads "Julie A. Fitch".

Julie A. Fitch, Director
Energy Division

December 14, 2010

Advice 3778-E

(Pacific Gas and Electric Company ID U 39 E)

Public Utilities Commission of the State of California

Subject: Revisions to Electric Rate Schedules NEM and NEMVNMA in Compliance with Assembly Bill 510 to Increase the Participation Cap to 5% and Add an Inspection Reporting Requirement

Pacific Gas and Electric Company (PG&E) hereby submits for filing revisions to its Electric Schedules NEM and NEMVNMA. The affected tariff sheets are listed on the enclosed Attachment I.

Purpose

The purpose of this advice letter is to revise the Electric Rate Schedules NEM and NEMVNMA in accordance with the changes made to Public Utilities (PU) Code Section 2827 by Assembly Bill (AB) 510.

Background

AB 510¹ was signed by the Governor on February 26, 2010, and is effective January 1, 2011. AB 510 raises the Net Energy Metering program cap² in Public Utilities Code (PU) Section 2827(c)(1)³ and (c)(4)⁴ from 2.5⁵ percent to 5 percent of PG&E's aggregate peak customer demand.

¹ http://www.leginfo.ca.gov/pub/09-10/bill/asm/ab_0501-0550/ab_510_bill_20100226_chaptered.html

² The following past NEM legislation reflect the cap: AB1755 (1998) established the cap at "one-tenth of 1 percent"; AB58 (2002) at "one-half of 1 percent"; SB1 (2006) at "2.5 percent".

³ PU Code Section (c)(1) states, "Every electric utility shall develop a standard contract or tariff providing for net energy metering, and shall make this standard contract or tariff available to eligible customer-generators, upon request, on a first-come-first-served basis until the time that the total rated generating capacity used by eligible customer-generators exceeds 5 percent of the electric utility's aggregate customer peak demand."

⁴ PU Code Section (c)(4) states, "An electric utility is not obligated to provide net energy metering to additional eligible customer-generators in its service area when the combined total peak demand of all electricity used by eligible customer-generators served by all the electric utilities in that service area furnishing net energy metering to eligible customer-generators exceeds 5 percent of the aggregate customer peak demand of those electric utilities."

⁵ On November 5, 2009, PG&E took the initiative and submitted Advice 3555-E to raise the cap from 2.5 percent to 3.5 percent for its NEM tariff. This filing was approved December 7, 2009. This same advice letter also detailed how PG&E calculates the current NEM interconnection capacity status.

In addition to increasing the NEM cap, AB 510 included a new provision requiring certain customers to complete an inspection of their existing generators when a new contract for interconnection is issued (e.g., when a customer with a system larger than 30 kW moves and a new customer assumes ownership of the PV system). AB 510 added the following new provision in PU Code Section 2827(c) (2):

An electrical corporation shall include a provision in the net energy metering contract or tariff requiring that any customer with an existing electrical generating facility and meter who enters into a new net energy metering contract shall provide an inspection report to the electrical corporation, unless the electrical generating facility and meter have been installed or inspected within the previous three years. The inspection report shall be prepared by a California licensed contractor who is not the owner or operator of the facility and meter. A California licensed electrician shall perform the inspection of the electrical portion of the facility and meter.
[Emphasis added]

PG&E's current policy is stipulated in Advice 3068-E, which requires only customers with generating facilities with a capacity over 30 kilowatts to complete a new interconnection contract when there is a change of party. This same customer group, consistent with the AB510, will be required to have an inspection in accordance with the statute.

Currently, customers who modify their existing systems such that a new engineering review by PG&E is required, are already treated the same as new installations. These customers must provide PG&E with a final building permit from the government agency with jurisdiction over the PV system prior to PG&E completing a new interconnection agreement with these customers. PG&E intends to treat these customers as "new" installations and reset the three-year clock on the AB 510 inspection requirement for these projects.

PG&E also has customers who have an existing solar and/or wind system generator that are eligible but do not receive service under Electric Schedule NEM. If these customers subsequently decide to switch to Electric Schedule NEM service without making any system changes, then the customer is required to: 1) send PG&E a new signed agreement to begin service and 2) complete an inspection, regardless of system size.

PG&E has worked extensively with Southern California Edison (SCE) and San Diego Gas and Electric (SDG&E) over the past few months to develop a standard re-inspection form, which allows for differences between the utilities. This should ensure a consistent approach to satisfy the re-inspection requirements of AB510.

Tariff Revisions

- In the *Applicability* section of Electric Schedules NEM and NEMVNMA tariffs, the existing “three and one half (3.5%) percent” is changed to “five (5%) percent.”⁶
- A new Special Condition 8 is added to Electric Schedule NEM and a comparable new Special Condition 5 is added to Electric Schedule NEMVNMA based on PU Code 2827(c)(2), which states the following:

Pursuant to Public Utilities Code Section.2827(c)(2), any customer with an existing electrical generating facility and meter who enters into a new net energy metering contract (for example, form 79-1109 Virtual Net Energy Metering Application and Interconnection Agreement For the Building Owner of Multifamily Affordable Building With a Solar Generating Facility of 1 Megawatt or Less) shall complete and submit a copy of form 79-1125 – NEM / NEMVNA Inspection Report to the PG&E, unless the electrical generating facility and meter have been installed or inspected within the previous three years. The NEM Inspection Report shall be prepared by a California licensed contractor who is not the owner or operator of the facility and meter. A California licensed electrician shall perform the inspection of the electrical portion of the facility and meter and sign the NEM / NEMVNMA Inspection Report. If an inspection is required, the customer shall submit the fully completed NEM / NEMVNMA Inspection Report to PG&E within 90 days of the customer becoming the customer of record at this account, or else the customer agrees to disconnect their Generating Facility and inform PG&E it no longer will take service on schedule NEM or NEMVNMA. By signing the interconnection agreement, the NEM / NEMVNMA Inspection Report shall be incorporated into it. [Emphasis added.]

- A new Sample Form 79-1125, *NEM / NEMVNMA Inspection Report*, is created, which will be: 1) submitted by the customer, 2) signed by an California Licensed Electrical contractor, and 3) provided to PG&E before a new interconnection agreement is approved as required by PU Code 2827(c)(2).

Protests

Anyone wishing to protest this filing may do so by letter sent via U.S. mail, by facsimile or electronically, any of which must be received no later than **January 3, 2011**, which is 20 days after the date of this filing. Protests should be mailed to:

⁶ *Id.* at 5, footnote 5.

CPUC Energy Division
Tariff Files, Room 4005
DMS Branch
505 Van Ness Avenue
San Francisco, California 94102

Facsimile: (415) 703-2200
E-mail: ijnj@cpuc.ca.gov and mas@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 also should be sent via U.S. mail (and by facsimile and electronically, if possible) to PG&E at the address shown below on the same date it is mailed or delivered to the Commission:

Jane K. Yura
Vice President, Regulatory Relations
Pacific Gas and Electric Company
77 Beale Street, Mail Code B10B
P.O. Box 770000
San Francisco, California 94177

Facsimile: (415) 973-6520
E-mail: PGETariffs@pge.com

Effective Date

PG&E requests that this advice filing become effective on regular notice, **January 13, 2011**, which is 30 calendar days after the date of filing.

Notice

In accordance with General Order 96-B, Section IV, a copy of this advice letter is being sent electronically and via U.S. mail to parties shown on the attached list. Address changes to the General Order 96-B service list and all electronic approvals should be directed to PGETariffs@pge.com. Advice letter filings can also be accessed electronically at: <http://www.pge.com/tariffs>.

Jane Yura - OB

Vice President, Regulation and Rates

Attachments

cc: Service Lists for A.10-03-001 and A.10-05-004

CALIFORNIA PUBLIC UTILITIES COMMISSION

ADVICE LETTER FILING 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 M)**

Utility type:

ELC GAS
 PLC HEAT WATER

Contact Person: Olivia Brown

Phone #: 415.973.9312

E-mail: oxb4@pge.com

EXPLANATION OF UTILITY TYPE

ELC = Electric GAS = Gas
PLC = Pipeline HEAT = Heat WATER = Water

(Date Filed/ Received Stamp by CPUC)

Advice Letter (AL) #: 3778-E

Tier: 2

Subject of AL: Revisions to Electric Rate Schedules NEM and NEMVNMA in Compliance with Assembly Bill 510 to Increase the Participation Cap to 5% and Add an Inspection Reporting Requirement

Keywords (choose from CPUC listing): Net Metering, Compliance

AL filing type: Monthly Quarterly Annual One-Time Other _____

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

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: N/A

Is AL requesting confidential treatment? If so, what information is the utility seeking confidential treatment for: No

Confidential information will be made available to those who have executed a nondisclosure agreement: N/A

Name(s) and contact information of the person(s) who will provide the nondisclosure agreement and access to the confidential information: N/A

Resolution Required? Yes No

Requested effective date: January 13, 2011

No. of tariff sheets: 11

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). N/A

Tariff schedules affected: Electric Schedules NEM and NEMVNMA and new Electric Sample Form 79-1125

Service affected and changes proposed: N/A

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

CPUC, Energy Division

Tariff Files, Room 4005

DMS Branch

505 Van Ness Ave., San Francisco, CA 94102

tnj@cpuc.ca.gov and mas@cpuc.ca.gov

Pacific Gas and Electric Company

Attn: Jane K. Yura, Vice President, Regulation and Rates

77 Beale Street, Mail Code B10B

P.O. Box 770000

San Francisco, CA 94177

E-mail: PGETariffs@pge.com

**ATTACHMENT 1
Advice 3778-E**

Cal P.U.C. Sheet No.	Title of Sheet	Cancelling Cal P.U.C. Sheet No.
29689-E	ELECTRIC SCHEDULE NEM NET ENERGY METERING SERVICE Sheet 1	28572-E
29690-E	ELECTRIC SCHEDULE NEM NET ENERGY METERING SERVICE Sheet 10	26527-E
29691-E	ELECTRIC SCHEDULE NEM NET ENERGY METERING SERVICE Sheet 11	27244-E
29692-E	ELECTRIC SCHEDULE NEM NET ENERGY METERING SERVICE Sheet 17	28927-E
29697-E	ELECTRIC SCHEDULE NEMVNMA VIRTUAL NET ENERGY METERING FOR MULTIFAMILY AFFORDABLE HOUSING (MASH/NSHP) WITH SOLAR GENERATOR(S) Sheet 2	29599-E
29740-E	ELECTRIC SCHEDULE NEMVNMA VIRTUAL NET ENERGY METERING FOR MULTIFAMILY AFFORDABLE HOUSING (MASH/NSHP) WITH SOLAR GENERATOR(S) Sheet 11	29608-E
29741-E	ELECTRIC SCHEDULE NEMVNMA VIRTUAL NET ENERGY METERING FOR MULTIFAMILY AFFORDABLE HOUSING (MASH/NSHP) WITH SOLAR GENERATOR(S) Sheet 12	
29693-E	Electric Sample Form 79-1125 NEM Inspection Report Sheet 1	
29694-E	ELECTRIC TABLE OF CONTENTS Sheet 1	29672-E

**ATTACHMENT 1
Advice 3778-E**

Cal P.U.C. Sheet No.	Title of Sheet	Cancelling Cal P.U.C. Sheet No.
29695-E	ELECTRIC TABLE OF CONTENTS RATE SCHEDULES Sheet 4	29611-E
29696-E	ELECTRIC TABLE OF CONTENTS SAMPLE FORMS Sheet 15	29614-E



ELECTRIC SCHEDULE NEM
NET ENERGY METERING SERVICE

Sheet 1

APPLICABILITY: This net energy-metering schedule is applicable to a customer who uses a solar or wind turbine electrical generating facility, or a hybrid system of both, with a capacity of not more than 1,000 kilowatts that is located on the customer's owned, leased, or rented premises, is interconnected and operates in parallel with PG&E's transmission and distribution systems, including wind energy co-metering customers as defined in California Public Utilities Code Section 2827.8, and is intended primarily to offset part or all of the customer's own electrical requirements (hereinafter "eligible customer-generator" or "customer"). Certain incremental billing and metering costs set forth in this schedule that are related to net energy metering are applicable to Energy Service Providers (ESPs) serving eligible customer-generators.

This service is not applicable to a Direct Access (DA) or Community Choice Aggregation Service (CCA Service) customer where the customer's ESP or Community Choice Aggregator (CCA) does not offer a net energy metering tariff. In addition, if an eligible customer-generator participates in direct transactions with an ESP that does not provide distribution service for the direct transactions, the ESP, and not PG&E, is obligated to provide net energy metering to the customer.

This rate schedule is available on a first-come, first-served basis to customers that provide PG&E with: (a) a completed Net Energy Metering Application including all supporting documents and required payments; AND (b) a completed signed Net Energy Metering Interconnection Agreement; AND (c) evidence of the customer's final inspection clearance from the governmental authority having jurisdiction over the generating facility; until such time as the total rated generating capacity used by eligible customer-generators on Rate Schedule NEM and NEMVNMA exceeds five (5) percent of PG&E's aggregate customer peak demand. (T)

The total rated generating capacity will be calculated as the sum of all of the following:

- 1) For each PV generating facility, PG&E will use the California Energy Commission's (CEC) AC rating; or where the CEC AC rating is not available, PG&E will multiply the inverter AC nameplate rating by 0.86.
- 2) For wind customer-generators, PG&E will use the AC nameplate rating of the wind generating facility.

PG&E's aggregate customer peak demand will be based on the highest, published peak demand shown in the Federal Energy Regulatory Commission (FERC) Form 1, Page 401b as reported by PG&E. Once the Cap has been reached, Schedule NEM will be closed to new customers.

Customers seeking generator interconnections in portions of San Francisco and Oakland where PG&E has a network grid must contact PG&E about generation export limitations.

(Continued)



ELECTRIC SCHEDULE NEM
NET ENERGY METERING SERVICE

Sheet 10

SPECIAL
 CONDITIONS:
 (Cont'd.)

3. INTERCONNECTION: Prior to receiving approval for Parallel Operation, the customer-generator must submit a completed PG&E application form and interconnection agreement as follows:

Rate Option	Application	Interconnection Agreement	
NEMS	<i>Net Energy Metering Application and Interconnection Agreement for Customers with Solar and/or Wind Electric Generating Facilities of 30 Kilowatts or less</i> (Form 79-1101)		
NEMEXP	<i>Generating Facility Interconnection Application,</i> (Form 79-974) <i>Expanded Net Energy Metering (NEM) Supplemental Application Form</i> (Form 79-998)	<i>Interconnection Agreement for Net Energy Metering of Solar or Wind Electric Generating Facilities of 1,000 Kilowatts or Less, other than Facilities of 30 Kilowatts or Less</i> (Form 79-978)	
NEMEXPM	(same as for NEMEXP)	(same as for NEMEXP)	
NEMW (Wind Energy Co-Metering – See Special Condition 5)	(same as for NEMEXP)	(same as for NEMEXP)	
NEMMT (Multiple Tariff Facilities – See Special Condition 6)	(same as for NEMEXP)	<i>Generating Facility Interconnection Agreement (Multiple Tariff)</i> (Form 79-1069)	
NEM inspection report, to accompany a new interconnection agreement as required under Special Condition 8 of this tariff		<i>NEM / NEMVNMA Inspection Report -</i> (Form 79-1125)	(T) (T)

(Continued)



ELECTRIC SCHEDULE NEM
NET ENERGY METERING SERVICE

Sheet 11

SPECIAL
 CONDITIONS:
 (Cont'd.)

- 3. INTERCONNECTION: (Cont'd.)
 The eligible customer-generator must meet all applicable safety and performance standards established by the National Electrical Code, the Institute of Electrical and Electronics Engineers, and accredited testing laboratories such as Underwriters Laboratories and, where applicable, rules of the California Public Utilities Commission regarding safety and reliability.

- 4. EXEMPTIONS FROM CERTAIN CHARGES: Per Section 2827.7 of the California Public Utilities Code, eligible customer-generators who have all local and state permits required to commence construction of their generating facilities on or before December 31, 2002, and have completed construction on or before September 30, 2003, shall not be required to pay non-bypassable charges on Departing Load including Public Purpose Program charges and shall be entitled to the net energy metering terms in effect on the date the local and state permits were acquired, for the life of the generating facility, regardless of any change in customer or ownership of the generating facility. (T)

(Continued)



ELECTRIC SCHEDULE NEMVNMA
 VIRTUAL NET ENERGY METERING FOR MULTIFAMILY
 AFFORDABLE HOUSING (MASH/NSHP) WITH SOLAR GENERATOR(S)

Sheet 2

APPLICABILITY: (cont'd) In addition, Applicability options (c.) and (d.) above are available to both new and existing NEMVNMA applicants, as long as they meet all the requirements of (c.) or (d.) and submit an application for multiple Customer Service Delivery Points by no later than December 31, 2011.

An "Eligible Low Income Development" is defined as all of the real property and apparatus employed in a single low income housing enterprise on contiguous parcels of land. These parcels may be divided by a dedicated street, highway or public thoroughfare or railway, so long as they are otherwise contiguous and part of the same single low income housing enterprise, and all under the same ownership.

Each of the four options a. through d. above is referred to in this tariff as a "Eligible Low Income Facility."

NEMVNMA is available on a first-come, first-served basis to Customers with an Eligible Low Income Facility that provide PG&E with:

- a. a completed NEMVNMA application and interconnection agreement as described in Special Condition 3, including all supporting documents and required payments; AND
- b. evidence of the final inspection clearance from the governmental authority having jurisdiction over the Solar Generating Facility; until such time as the total rated generating capacity on Rate Schedules NEM and NEMVNMA exceeds five (5) percent of PG&E's aggregate peak demand (calculated as described in Rate Schedule NEM), until December 31, 2015, or until all funds available for the incentives have been allocated, whichever comes first.

(T)

Generator Size - Size the generator(s) no larger than for the energy requirements of all eligible account types of the past year for existing housing and estimated requirements of new housing. Specific size limit details will be determined by the relevant incentive program (MASH or NSHP) handbooks. These generator size limits apply to all Eligible Low Income Developments whether they actually receive MASH or NSHP incentives or not.

(Continued)



ELECTRIC SCHEDULE NEMVNMA
 VIRTUAL NET ENERGY METERING FOR MULTIFAMILY
 AFFORDABLE HOUSING (MASH/NSHP) WITH SOLAR GENERATOR(S)

Sheet 11

SPECIAL
 CONDITIONS:
 (Cont'd.)

3. INTERCONNECTION:

In order to receive approval for Parallel Operation of the Solar Generating Facilities, the Owner must submit a completed PG&E application form and interconnection agreement as follows:

Facility Type	Application	Interconnection Agreement
For an Eligible Low Income Facility with one Single Point of Delivery	<i>Virtual Net Energy Metering Application and Interconnection Agreement for the Building Owner of Multifamily Affordable Housing with a Solar Generating Facility of 1 megawatt or less. (Form 79-1109).</i>	<i>Appendix A – Designation of Multifamily Common Area Accounts, Residential Units and Their Respective Solar Energy Credit Allocation</i>
	<i>NEM/NEMVNMA Inspection Report (Form 29-1125) – if required per Special Condition 5</i>	(T) (T)

For an Eligible Low Income Facility with Multiple Service Delivery Points and/or Multiple Generators	----- <i>Premises-Based Virtual Net Energy Metering Application and Interconnection Agreement for Multifamily Affordable Housing with Solar Generation totaling 1 Megawatt or Less (Form 79-1124)</i>	
	<i>Appendix A – Designation of Multifamily Common Area Accounts, Residential Units and Their Respective Solar Energy Credit Allocation</i>	
	<i>Appendix B – Designation of Multifamily Common Area Accounts, Residential Units and Their Respective Solar Energy Credit Allocation</i>	
	<i>NEM/NEMVNMA Inspection Report (Form 29-1125) – if required per Special Condition 5</i>	(T) (T)

(T)
(T)

(T)
(T)
(L)

(Continued)



Electric Sample Form 79-1125
NEM Inspection Report

Sheet 1 (N)
(N)

**Please Refer to Attached
Sample Form**



*NEM / NEMVNMA Inspection Report*¹

Who needs to complete this Inspection Report?

A customer:

- who becomes a PG&E customer at a home, office or other facility having with an existing solar (PV) or wind electrical generating facility with plans to remain interconnected with PG&E on Rate Schedule NEM and
- who must complete a new net energy metering contract (for example, form no 79-978 NEMEXP *Interconnection Agreement*) with PG&E for the existing generating facility and
- whose electrical generating facility and meter have not been installed or inspected within the previous three years and
- who must arrange to have their generating facility inspected and the Contractor section of this report completed by a California licensed electrician who is not the owner or operator of the facility and meter.

This *NEM / NEMVNMA INSPECTION REPORT* ("Report"), pursuant to Public Utilities Code Section 2827c(2), shall be completed and submitted by a PG&E customer who enters into a new net energy metering contract (for example, form 79-978 NEMEXP Interconnection Agreement) for an existing and unmodified NEM eligible electrical generating facility (Generating Facility) and meter,. The customer shall submit to PG&E this completed inspection report with the interconnection agreement for the Generating Facility, that passes all the Operational Tests in Part II Section J , unless the Generating Facility and meter have been installed or inspected within the previous three years. Part II of the inspection report shall be prepared by a California licensed contractor who is not the owner or operator of the Generating Facility and meter. A California licensed electrician ("Inspector") shall perform the inspection of the electrical portion of the Generating Facility and meter.

Instructions

- 1) The Customer shall complete all of Part I and complete Part A of Part II. The Customer information in Part A should match that in Part I.
- 2) The Customer should arrange to have the Inspector inspect their Generating Facility and complete the reminder of Part II of this form and sign it.
- 3) The customer shall then submit the fully completed Report to PG&E..

If this form is not submitted within 90 days of the Customer becoming the customer of record for this account, Customer agrees to disconnect their Generating Facility and inform PG&E it no longer will take service on schedule NEM or NEMVNMA.

For the safety of the Customer and PG&E employees, under no circumstances shall the Generating Facility be operated while interconnected with PG&E if it does not pass the Operational Test in Part II, Section J.

¹ Automated Document, Preliminary Statement, Part A.

A. Customer Generating Facility Information – Who is the PG&E Customer for this Generating Facility?

Generating Facility PG&E Account Holder Name (Must Match Customer Name on PG&E Blue Bill for generator)		PG&E Account Number for Generating Facility	Meter Number (Meter Badge ID)
Account Holder Street Address			
Account Holder City		Account Holder State	Account Holder Zip
Account Holder Billing Mail Address			
Billing City		Billing State	Billing Zip
Business Phone	Cell Phone	Fax	Email

B. Generator Location – Where is the Generating Facility Located?

Contact at Generator Location			
Generator Address			
Generator City		Generator State	Generator Zip
Generator Contact Phone	Fax	Email	
<input type="checkbox"/> This contact person is to be used as PG&E contact and is authorized by Customer to receive confidential Customer information and act on behalf of Customer with respect to this agreement. ²			

C. Modifications

To your knowledge, has the system been modified in any way? No Yes

D. Installation Date

Do you know when this Generating Facility was installed?

- No
 Yes, Installed on? (_____ (date))

E. Last Inspection Date

Do you know if this Generating Facility had a prior PG&E inspection ?

- No
 Yes

Date of last inspection? _____

² Customer must utilize the "Authorization to Receive Customer Information or Act on a Customer's Behalf" form, which may be found at www.pge.com/includes/docs/pdfs/shared/newgenerator/solarwindgenerators/standardenet/customer_behalf_app.pdf.

F. By the Customer signing the attached new NEM Interconnection Agreement form 79-978, or other new NEM or NEMVNMA interconnection agreement as specified form 79-_____, this NEM / NEMVNMA Inspection Report is hereby incorporated into that interconnection agreement.

A copy of this signed report should be retained with the "Permission to Operate" letter to confirm successful Generating Facility inspection.

Mailing Instructions and Assistance:

When this report has been completed it should be mailed to:

PG&E'S P.O. BOX ADDRESS	PG&E'S STREET ADDRESS
Pacific Gas and Electric Company Attention: Generation Interconnection Services Mail Code N7L P.O. Box 770000 San Francisco, California 94177	Pacific Gas and Electric Company Attention: Generation Interconnection Services Mail Code N7L 245 Market St. San Francisco, California 94105

If this Report has been completed electronically, it may be submitted to PG&E via e-mail or U.S. mail. Copies or forms requiring a signature, attachments or any applicable fees described in Part II must be mailed to PG&E at the address noted in Section IV (F), Notices.

Phone calls and questions may be directed to the Generation Interconnection Services hotline at: 415-972-5676 or email gen@pge.com

Part II –Electrical Inspector Section

A. Inspection Information (to be filled in by the Customer – must match information in Part I)

Generating Facility PG&E Account Holder Name (Must Match Customer Name on PG&E Blue Bill for generator)	PG&E Account Number for Generating Facility	Meter Number (Meter Badge ID)
Generator Address		

----- To be completed by Inspector -----

B. Inspector Information

California licensed Electrician Name	Company Name	
Currently Valid California Electrician License Number		
Mailing Address		
City	State	Zip
Business Phone	Fax	Email

C. Inverters interconnected with PG&E

List all the inverters that currently are interconnected to PG&E at this Generating Facility.

No.	Inverter Manufacturer	Inverter Model Number	Inverter Nameplate Rating ³ kW (per unit)	Inverter CEC Rating kW (per unit)	Quantity of Inverters	Inverter Output Voltage	Single or Three phase?
1							
2							

D. Inverter CEC Approved

Are all the inverter models listed above currently listed on the <http://www.gosolarcalifornia.ca.gov/equipment/> website?

Yes No⁴

³ The inverter rating equals the nameplate rating, in kW. If there are more than one inverter of one type being installed, the inverter rating equals the nameplate rating of one unit of the model being installed.

E. 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							

F. PV Panels CEC Approved

Are all the PV panel models listed above currently listed on the <http://www.gosolarcalifornia.ca.gov/equipment/> website?

Yes No⁷

G. Wind Turbine Equipment (if applicable)

List the wind turbine information requested below. Write NONE if the inverter is incorporated in the wind turbine and no inverter is required.

No.	Wind Turbine Manufacturer	Wind Turbine Model	Wind Turbine Nameplate Rating ⁸ kW (per unit)	Wind Turbine CEC Rating (kW) per unit	Quantity of Wind Turbines	Total Capacity (kW) ⁹	Turbine Output Voltage	Single or Three Phase	Inverter number from (B.) above (1 or 2)
1									

H. Wind Turbine CEC Approved

Are all the wind turbine models listed above currently listed on the <http://www.gosolarcalifornia.ca.gov/equipment/> website?

Yes No⁹

I. Other Interconnected Generators

Are there other generators interconnected on this account at this location? Yes No

If Yes, list generator technology and capacity for all generators

Are there any backup generators? Yes No

⁴ Equipment not currently listed on the Go Solar website, or equipment formerly listed but no longer listed, may be subject to additional review or testing before being authorized to continue interconnection with PG&E, depending on the reason it is no longer listed.

⁵ For all generation equipment ratings, please use the nameplate rating found on the equipment or in the equipment specifications.

⁶ The total capacity is the photovoltaic (PV) panel (or wind turbine) rating times the quantity.

⁷ Id. Footnote 4 above.

⁸ Id. Footnote 6 above.

⁹ Id. Footnote 4 above.

If yes, there are backup generators, is the back-up generator is open or close transition?

Open Closed

J. Operational Tests

1.) Anti-islanding test

Pursuant to PG&E's Electric Rule 21 section D.1.a.(3) verify the Generating Facility ceases to output within two seconds of opening the disconnect switch or otherwise disconnecting the Generating Facility from PG&E electrical system.

Passes test? Yes

2.) Reclose and return to service within Rule 21 guidelines

Pursuant to PG&E's Electric Rule 21 section D.1.a.(2), verify that the time-delay function reconnects the Generating Facility with PG&E's Distribution System after at least 60 seconds.

Passes test? Yes

K. Governing Authority

The terms and conditions of this inspection report shall at all times be subject to such changes or modification by the Public Utilities Commission of the State of California as said Commission may, from time to time, direct in the exercise of its jurisdiction.

L. Inspector Signature

I certify that I am currently a California licensed electrician, that the responses given in Part II of this Report for the Generating Facility are true and accurate to the best of my knowledge, and that the Generating Facility satisfies the Operational Tests in Part II, Section I.

Name California licensed electrical contractor
(Please Print): _____

Name California licensed electrical contractor _____ Date: _____
Signature: _____

California licensed electrician License No: _____



ELECTRIC TABLE OF CONTENTS

Sheet 1

TABLE OF CONTENTS

SCHEDULE	TITLE OF SHEET	CAL P.U.C. SHEET NO.	
	Title Page	29694-E	(T)
	Rate Schedules	29459,29549, 29695,29531-E	(T)
	Preliminary Statements	29496,28907,29497,29554-E	
	Rules	29675-E	
	Maps, Contracts and Deviations.....	29671-E	
	Sample Forms	28385,29638,29696,29614,27639,29532,29550,29626-E	(T)

(Continued)



ELECTRIC TABLE OF CONTENTS
RATE SCHEDULES

Sheet 4

SCHEDULE	TITLE OF SHEET	CAL P.U.C. SHEET NO.
Rate Schedules Other		
S	Standby Service	28399,28400, 29433,29434,28238.28239, 29240-28246,29435,28401-28404-E
E-DCG	DCG Departing Customer Generation, CG	28579,28857,23667, 28858,27054,28954,28607,23252,23253,28405,23255-E
E-DEPART	Departing Customers	28859-E
E-NWDL	New WAPA Departing Load	28581,28582,28862,28863,27448-27452-E
E-NMDL	New Municipal Departing Load.....	27453,28955,28956,28957, 28958,28959,26704,26705, 26706,26707,26708-E
E-LORMS	Limited Optional Remote Metering Services	20194-E
E-SDL	Split-Wheeling Departing Load.....	28588,28589,28867,28868,27459-27464-E
E-TMDL	Transferred Municipal Departing Load	27465,28869,28870, 25883,28961,28594,28608,25887,25888,25889,25890,25891-E
NEM	Net Energy Metering Service.....	29689,28573,27237-27243,29690,29691,27245,27246,26128,26129,27247, 29692-E (T)
NEMFC	Net Energy Metering Service For Fuel Cell Customer-Generators.....	28566,28567,27250,27251,26134,26135,26136,27252-E (T)
NEMBIO	Net Energy Metering Service for Biogas Customer-Generators	27253-27255,26140,27256,26142,27257,26144,27258-E
NEMCCSF	Net Energy Metering Service for City and County of San Francisco	28176,28177,28178,28179-E
NEMVNMA	Net Energy Metering – Virtual Net Energy Metering.....	29598, 29697, 29600, 29601, 29602,29603, 29604, 29605, 29606, 29607, 29740, 29741 (T)
E-ERA	Energy Rate Adjustments.....	29436,29697,29438,29439-E (T)
E-OBF	On-Bill Financing Balance Account (OBFA).....	29490-29492-E
Rate Schedules Agricultural		
AG-1	Agricultural Power	29105,29440,29441,24221,24222,24223,29442,25425-E
AG-R	Split-Week Time-of-Use Agricultural Power	25905,27614,29443,29444, 24923,25987,24230,29445,25426-E
AG-V	Short-Peak Time-of-Use Agricultural Power.....	25907,27615,29446,29447,24928,25988,24237,24239,29448,25427-E
AG-4	Time-of-Use Agricultural Power.....	25909,27616, 29106, 29449,29450, 29451, 29110, 29111, 29112, 29113,29114,29452, 29116-29119-E
AG-5	Large Time-of-Use Agricultural Power.....	25911,29120,29121,29453,29454,29455,29125,29126,29127,29128,29129,29456, 29131, 29136-E
AG-ICE	Agricultural Internal Combustion Engine Conversion Incentive Rate.....	29137-29140, 29457, 29142, 29143,29144-E

(Continued)



ELECTRIC TABLE OF CONTENTS
SAMPLE FORMS

Sheet 15

FORM	TITLE OF SHEET	CAL P.U.C. SHEET NO.
Sample Forms		
Net Energy Metering (Cont'd)		
79-1124	Eligible Low Income Development Virtual Net Energy Metering Application and Interconnection Agreement for Multifamily Affordable Housing with Solar Generation totaling 1 Megawatt or Less	29613-E
79-1125	NEM Inspection Report.....	29693-E (N)
Sample Forms		
Street, Highway, and Area Lighting		
79-938	Customer-Owned Streetlights Pacific Gas and Electric Company Pole Contract Agreement.....	11568-E
79-1048	Agreement for Unmetered Low Wattage Equipment Connected to Customer-Owned Street Light Facilities	27053-E
79-1078	Agreement for Unmetered Electric Service to Wireless Devices Energized by Connection to Pacific Gas and Electric Company Street Light Facilities	25450-E
79-1105	Agreement for Unmetered Electric Service to Seasonal Lighting Loads Connected to Festoon Outlets on Pacific Gas and Electric Company's Street Light Facilities	27571-E
Sample Forms		
Commercial, Industrial, and Agricultural		
79-724	Supplemental Agreement for Optional Non-firm Electric Service	25159-E
79-758	Agreement for Maximum Demand Adjustment for Energy Efficiency Measures.....	11632-E
79-759	Supplemental Agreement for As-Available Capacity	11732-E
79-1111	Optimal Billing Period Service Customer Election Form.....	28258-E
Sample Forms		
Standby		
79-285	Special Agreement for Electrical Standby Service (Schedule S).....	28248-E
79-726	Electric Standby Service Log Sheet (Schedule S).....	11484-E
79-1110	Reactive Demand Charge Exemption Form (Schedule S)	28249-E

(Continued)

**PG&E Gas and Electric
Advice Filing List
General Order 96-B, Section IV**

Alcantar & Kahl LLP	Dept of General Services	North Coast SolarResources
Ameresco	Division of Business Advisory Services	Northern California Power Association
Anderson & Poole	Douglass & Liddell	Occidental Energy Marketing, Inc.
Arizona Public Service Company	Downey & Brand	OnGrid Solar
BART	Duke Energy	Praxair
Barkovich & Yap, Inc.	Dutcher, John	R. W. Beck & Associates
Bartle Wells Associates	Economic Sciences Corporation	RCS, Inc.
Bloomberg	Ellison Schneider & Harris LLP	Recurrent Energy
Bloomberg New Energy Finance	Foster Farms	SCD Energy Solutions
Boston Properties	G. A. Krause & Assoc.	SCE
Braun Blaising McLaughlin, P.C.	GLJ Publications	SMUD
Brookfield Renewable Power	Goodin, MacBride, Squeri, Schlotz & Ritchie	SPURR
CA Bldg Industry Association	Green Power Institute	San Francisco Public Utilities Commission
CLECA Law Office	Hanna & Morton	Santa Fe Jets
CSC Energy Services	Hitachi	Seattle City Light
California Cotton Ginners & Growers Assn	In House Energy	Sempra Utilities
California Energy Commission	International Power Technology	Sierra Pacific Power Company
California League of Food Processors	Intestate Gas Services, Inc.	Silicon Valley Power
California Public Utilities Commission	Lawrence Berkeley National Lab	Silo Energy LLC
Calpine	Los Angeles Dept of Water & Power	Southern California Edison Company
Cardinal Cogen	Luce, Forward, Hamilton & Scripps LLP	Spark Energy, L.P.
Casner, Steve	MAC Lighting Consulting	Sunshine Design
Chris, King	MBMC, Inc.	Sutherland, Asbill & Brennan
City of Palo Alto	MRW & Associates	Tabors Caramanis & Associates
City of Palo Alto Utilities	Manatt Phelps Phillips	Tecogen, Inc.
Clean Energy Fuels	McKenzie & Associates	Tiger Natural Gas, Inc.
Coast Economic Consulting	Merced Irrigation District	TransCanada
Commercial Energy	Modesto Irrigation District	Turlock Irrigation District
Consumer Federation of California	Morgan Stanley	United Cogen
Crossborder Energy	Morrison & Foerster	Utility Cost Management
Davis Wright Tremaine LLP	NLine Energy, Inc.	Utility Specialists
Day Carter Murphy	NRG West	Verizon
Defense Energy Support Center	Navigant Consulting	Wellhead Electric Company
Department of Water Resources	Norris & Wong Associates	Western Manufactured Housing Communities Association (WMA)
	North America Power Partners	eMeter Corporation