

PUBLIC UTILITIES COMMISSION

505 VAN NESS AVENUE
SAN FRANCISCO, CA 94102-3298



July 17, 2012

Advice Letter 3957-E

Brian K. Cherry
Vice President, Regulation and Rates
Pacific Gas and Electric Company
77 Beale Street, Mail Code B10C
P.O. Box 770000
San Francisco, CA 94177

**Subject: Modification to Schedule NEMVMASH to Combine Revisions Approved in
AL 3870-E (AB920) and AL 3890-E (NEMVMASH)**

Dear Mr. Cherry:

Advice Letter 3957-E is effective November 28, 2011.

Sincerely,

A handwritten signature in cursive script that reads "Edward F. Randolph".

Edward F. Randolph, Director
Energy Division

November 28, 2011

Advice 3957-E

(Pacific Gas and Electric Company ID U 39 M)

Public Utilities Commission of the State of California

Subject: Modifications to Schedule NEMVMASH to Combine Revisions Approved in Advice Letters 3870-E (AB920) and Advice Letter 3890-E (MASH VNEM)

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

Purpose

This advice letter requests approval to combine tariff language in Schedule NEMVMASH¹ from two previously approved Advice Letters (AL):

- a) AL 3870-E² - *Revisions to Electric Schedules NEM – Net Energy Metering and NEMVNMA – Virtual Net Energy Metering For Multifamily Affordable Housing (MASH/NSHP) With Solar Generator(s) in Compliance with Assembly Bill (AB) 920 and Decision (D) 11-06-016; and,*
- b) AL 3890-E³ - *Modifications to Schedule NEMVNMA Pursuant to Decision (D.) 11-07-031, Ordering Paragraph 1.*

Background

PG&E filed AL 3870-E on July 11, 2011, and it was approved on September 22, 2011 in Resolution E-4422⁴. AL 3870-E modified NEMVNMA in accordance with Assembly Bill (AB) 920, and D.11-06-016 to create a net surplus compensation program.

PG&E filed AL 3890-E - on August 10, 2011, and it was approved on October 10, 2011. AL 3890-E changed the name of the tariff from NEMVNMA to NEMVMASH, and made changes to the applicability section of NEMVMASH pursuant to D. 11-07-031 Ordering Paragraph 1.

¹ AL 3890 changed the name of rate schedule NEMVNMA to NEMVMASH. This tariff for Multifamily Affordable Solar Housing (MASH) virtual net metering (VNM).. This name change was made to better distinguish it from a new, second type of VNM name NEMV, which is for any multitenant customers and was created by Decision (D).11-06-016 ordering paragraph 2.

² http://www.pge.com/notes/rates/tariffs/tm2/pdf/ELEC_3870-E.pdf

³ http://www.pge.com/notes/rates/tariffs/tm2/pdf/ELEC_3890-E.pdf

⁴ http://docs.cpuc.ca.gov/WORD_PDF/FINAL_RESOLUTION/144128.PDF

The tariff sheets filed herein combine the Commission-approved tariff revisions from Advice 3870-E and 3890-E.

Tariff Revisions

The revised tariff sheets filed herein combine the approved changes from Advice Letters 3870-E and 3890-E and change all references from “NEMVNMA” to “NEMVMASH” in the NEMVMASH tariff (Sheet 10 through 15) and NEM tariff (Sheets 1, 10 and 20), and in form 79-1125 (*NEM/NEMVMASH Inspection Report*).

Also, in the NEMVMASH tariff (Sheet 11), two typographical errors listing an incorrect form number for the inspection form are corrected from “29-1125” to “79-1125”.

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 December 19, 2011, which is 21 days⁵ after the date of this filing. Protests should be mailed to:

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

Facsimile: (415) 703-2200
E-mail: jjn@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:

⁵ The regular 20-day protest period ends on a weekend so the protest period end date is extended to the next business day.

Brian K. Cherry
Vice President, Regulation and Rates
Pacific Gas and Electric Company
77 Beale Street, Mail Code B10C
P.O. Box 770000
San Francisco, California 94177

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

Effective Date

PG&E requests that this Tier 1 advice filing be approved effective **November 28, 2011**, which is 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 and the parties on the service lists for R.10-05-004 and A.10-03-001. 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 filings can also be accessed electronically at: <http://www.pge.com/tariffs>

A handwritten signature in cursive script that reads "Brian Cherry" followed by a stylized flourish.

Vice President, Regulation and Rates

Attachments

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

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: Greg Backens

Phone #: 415-973-4390

E-mail: gab4@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) #: **3957-E**

Tier: 1

Subject of AL: **Modifications to Schedule NEMVMASH to Combine Revisions Approved in Advice Letters 3870-E (AB920) and Advice Letter 3890-E (MASH VNEM)**

Keywords (choose from CPUC listing): Text Changes

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

If AL filed in compliance with a Commission order, indicate relevant Decision/Resolution #: Does AL replace a withdrawn or rejected AL? If so, identify the prior AL: No

Summarize differences between the AL and the prior withdrawn or rejected AL: 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: **November 28, 2011**

No. of tariff sheets: 13

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: Electric Schedules NEMVMASH and NEM

Service affected and changes proposed:

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

jnj@cpuc.ca.gov and mas@cpuc.ca.gov

Pacific Gas and Electric Company

Attn: Brian K. Cherry, Vice President, Regulation and Rates

77 Beale Street, Mail Code B10C

P.O. Box 770000

San Francisco, CA 94177

E-mail: PGETariffs@pge.com

**ATTACHMENT 1
Advice 3957-E**

Cal P.U.C. Sheet No.	Title of Sheet	Cancelling Cal P.U.C. Sheet No.
30728-E	ELECTRIC SCHEDULE NEM NET ENERGY METERING SERVICE Sheet 1	30484-E
30729-E	ELECTRIC SCHEDULE NEM NET ENERGY METERING SERVICE Sheet 10	29690-E
30730-E	ELECTRIC SCHEDULE NEM NET ENERGY METERING SERVICE Sheet 20	30493-E
30731-E	ELECTRIC SCHEDULE NEMVMASH VIRTUAL NET ENERGY METERING FOR MULTIFAMILY AFFORDABLE HOUSING (MASH/NSHP) WITH SOLAR GENERATOR(S) Sheet 10	30523-E
30732-E	ELECTRIC SCHEDULE NEMVMASH VIRTUAL NET ENERGY METERING FOR MULTIFAMILY AFFORDABLE HOUSING (MASH/NSHP) WITH SOLAR GENERATOR(S) Sheet 11	30524-E
30733-E	ELECTRIC SCHEDULE NEMVMASH VIRTUAL NET ENERGY METERING FOR MULTIFAMILY AFFORDABLE HOUSING (MASH/NSHP) WITH SOLAR GENERATOR(S) Sheet 12	30525-E
30734-E	ELECTRIC SCHEDULE NEMVMASH VIRTUAL NET ENERGY METERING FOR MULTIFAMILY AFFORDABLE HOUSING (MASH/NSHP) WITH SOLAR GENERATOR(S) Sheet 13	30496-E

**ATTACHMENT 1
Advice 3957-E**

Cal P.U.C. Sheet No.	Title of Sheet	Cancelling Cal P.U.C. Sheet No.
30735-E	ELECTRIC SCHEDULE NEMVMASH VIRTUAL NET ENERGY METERING FOR MULTIFAMILY AFFORDABLE HOUSING (MASH/NSHP) WITH SOLAR GENERATOR(S) Sheet 14	30497-E
30736-E	ELECTRIC SCHEDULE NEMVMASH VIRTUAL NET ENERGY METERING FOR MULTIFAMILY AFFORDABLE HOUSING (MASH/NSHP) WITH SOLAR GENERATOR(S) Sheet 15	30498-E
30737-E	Electric Sample Form 79-1125 NEM / NEMVMASH Inspection Report Sheet 1	29693-E
30738-E	ELECTRIC TABLE OF CONTENTS Sheet 1	30703-E
30739-E	ELECTRIC TABLE OF CONTENTS RATE SCHEDULES Sheet 6	30529-E
30740-E	ELECTRIC TABLE OF CONTENTS SAMPLE FORMS Sheet 27	30641-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) customer where the customer's ESP 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 NEMVMASH 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 / NEMVMASH Inspection Report -</i> (Form 79-1125) (T)

(Continued)



ELECTRIC SCHEDULE NEM
NET ENERGY METERING SERVICE

Sheet 20

SPECIAL
 CONDITIONS:
 (Cont'd.)

8. 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, Sample Form 79-978, *Interconnection Agreement for Net Energy Metering of Solar and Wind Electric Generating Facilities of 1,000 Kilowatts or Less, other than Facilities of 30 Kilowatts or Less*) shall complete and submit a copy of form 79-1125 – *NEM / NEMVMASH Inspection Report* to 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 / NEMVMASH Inspection Report*. If an inspection is required, the customer shall submit the fully completed *NEM / NEMVMASH 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 NEMVMASH. By signing the interconnection agreement, the *NEM / NEMVMASH Inspection Report* shall be incorporated into it.
- (T)
 (T)
 (T)
 (T)
 (T)



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

Sheet 10

SPECIAL
 CONDITIONS:
 (Cont'd.)

2. BILLING (Cont'd.):

g. Relevant Period True Up

A true up is performed by PG&E at the end of each Relevant Period for each Customer Load Account.

Where the residential minimum bill applies at the true up for a Bundled Service Customer Load Account, no further amounts will be billed to that Customer as a result of the true up.

If a Customer Load Account's Relevant Period ends under any of the circumstances described in 2.f above: (D)

- a) The Customer will pay all charges owed at that time;
- b) No payments shall be made for credits remaining after the true-up;

However, in the event the Customer Load Account's allocation of energy (kWh), generated at the associated Generator Account and fed back to the electric grid, exceeds the energy (kWh) consumed during the Relevant Period, compensation shall be made for the excess energy (kWh) as described in Special Condition 4. (N)
 |
 |
 |
 (N)

h. Billing Information

PG&E shall provide each Customer Load Account with its net energy (kWh) consumption information with each regular bill. That information shall include the current monetary balance owed PG&E for the net energy (kWh) consumed since the start of the current Relevant Period.

i. OAS Payment Option

Eligible Small Customer (as defined in Rule 1) Customer Load Accounts will be required to pay monthly, unless they specifically request to pay annually, for the net energy (kWh) consumed. For commercial Common Area Accounts other than Small Commercial, the net balance of all moneys owed must be paid on each monthly billing cycle. When the customer is a net electricity producer over a monthly billing cycle, the value of any excess kilowatt-hours generated during the billing cycle shall be carried over to the following billing period and appear as a credit on the customer's account, until the end of the Relevant Period.

(Continued)



ELECTRIC SCHEDULE NEMVMASH
 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/NEMVMASH Inspection Report (Form 79-1125) – if required per Special Condition 5</i> (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/NEMVMASH Inspection Report (Form 79-1125) – if required per Special Condition 5</i> (T)	

(Continued)



ELECTRIC SCHEDULE NEMVMASH Sheet 12
 VIRTUAL NET ENERGY METERING FOR MULTIFAMILY
 AFFORDABLE HOUSING (MASH/NSHP) WITH SOLAR GENERATOR(S)

SPECIAL
 CONDITIONS:
 (Cont'd.)

4. NET SURPLUS ELECTRICITY COMPENSATION (NSC): (D,N)

Pursuant to P.U. Code Section 2827 (h)(4)(A), this Special Condition was established to provide a NEMVMASH customer with a Common Area account or Residential Unit account with **Net Surplus Electricity**, (defined as all the electricity generated that is allocated by the Generating Account to an eligible customer measured in kilowatt-hours over a Relevant Period – as defined in Special Condition 2(g) of this tariff -- that exceeds the amount of electricity consumed by that eligible customer), with **Net Surplus Electricity Compensation (NSC)** Net Surplus Electricity, while leaving other ratepayers unaffected. A NEMVMASH customer who has Net Surplus Electricity will be known as a **Net Surplus Generator**. (D,N)

(a) NSC Applicability – All bundled Net Surplus Generators that satisfy the conditions in the Applicability Section of this tariff and take service under this rate schedule are eligible to receive NSC if they have a true-up on, or following, the effective date below.

The effective date for a Net Surplus Generator to begin to receive NSC will be no earlier than the end of their Relevant Period following January 1, 2011 unless (i) the Net Surplus Generator customer was a change-of-party Customer or became a new NEMVMASH customer in January 2010 and the meter read date for their twelfth billing month following enrollment in NEMVMASH falls in December of 2010; or (ii) a Net Surplus Generator's NEMVMASH meter was set to be read in January 2011 but due to PG&E's schedule of meter read dates, the read occurred on December 27, 2010, or later. Customers covered by subsections (i) or (ii) will be eligible to receive NSC for their Relevant Period ending in December 2010. (D,N)

(Continued)



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

Sheet 13 (T)

SPECIAL
 CONDITIONS:
 (Cont'd.)

4. Net Surplus Electricity Compensation (NSC) (Cont'd):

(b) **The NSC Rate** – The NSC Rate is defined as the simple rolling average of PG&E's default load aggregation point (DLAP) price from 7 a.m. to 5 p.m., for a 12-month period. PG&E shall use the NSC Rate as the value of the electricity portion of its net surplus compensation rate.

PG&E will calculate the NSC Rate each month. It will be effective on the first day of that month and PG&E will use it in the NSC Calculation for any Net Surplus Generators with a Relevant Period completed in that month (True-Up Month).

The **DLAP Cutoff Date** will be defined as the twentieth (20th) day of the month prior to the True-Up Month.

PG&E will wait five (5) days after the DLAP Cutoff Date for the CAISO to have time to finalize the day-ahead PG&E DLAP prices. The NSC Rate will then be calculated as the simple average of the prices for all hours between 7 a.m. and 5 p.m. over a one (1) year period ending on the DLAP Cutoff Date.

(c) Pursuant to D. 11-06-016, PG&E will modify this tariff to include a Renewable **Attribute Adder (RAA)** once the California Energy Commission (CEC) determines the implementation methodology.

(d) **Calculation of the NSC** – NSC is calculated by multiplying any Net Surplus Electricity (kWh) by the NSC Rate in (b) above.

(Continued)



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

Sheet 14 (T)

SPECIAL
 CONDITIONS:
 (Cont'd.)

4. Net Surplus Electricity Compensation (NSC) (Cont'd):

(e) Options for receiving NSC – A NEMVMASH customer with NSC will automatically have their NSC applied to any amounts owed to PG&E and then may choose to: (T)

(1) take no action and roll any remaining NSC amounts forward to offset subsequent PG&E charges; or

(2) request that PG&E issue a check if the NSC remaining amount is greater than one dollar (\$1). A customer can select this option by calling PG&E,. If the customer is closing all their accounts with PG&E, PG&E will automatically send a check; or.

(3) elect not to receive any NSC by completing and submitting form 79-1130 (*Customer Request Form not to Receive Net Surplus Compensation*) to PG&E to confirm that they do not want to participate. In this case PG&E will zero out any NSC the NEMVMASH customer may be otherwise eligible to receive. (T)

(f) QF Status – Customers receiving net surplus compensation must first demonstrate to PG&E that the Generator Account from which they receive their generation allocation as described in Special Condition 2(b) are Qualifying Facilities in order to receive NSC. Since the Generator Accounts serving all NEMVMASH customer-generators currently meet the requirements for a qualifying facility exempt from certification filing at the Federal Energy Regulatory Commission (FERC), no further documentation is required at this time. (T)

(g) Generator Size – Nothing in this Special Condition alters the existing NEMVMASH system sizing requirement. Specifically, in order to be eligible for NSC, the Generator Account system must be intended primarily to offset part or all of the Residential Unit Account and Common Area Account customers' own electrical requirements. Systems that are sized larger than the electrical requirements are not eligible for VNMNEMA and therefore, are not eligible for NSC either. (T)

(Continued)



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

Sheet 15 (T)

SPECIAL
 CONDITIONS:
 (Cont'd.)

5. RE-INSPECTION: 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 / NEMVMASH Inspection Report to 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 / NEMVMASH Inspection Report. If an inspection is required, the customer shall submit the fully completed NEM / NEMVMASH 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 NEMVMASH. By signing the interconnection agreement, the NEM / NEMVMASH Inspection Report shall be incorporated into it.
- (T)
 (T)
 (T)
 (T)



Electric Sample Form 79-1125
NEM / NEMVMASH Inspection Report

Sheet 1
(T)

**Please Refer to Attached
Sample Form**



NEM / NEMVMASH Inspection Report¹

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 / NEMVMASH INSPECTION REPORT* ("Report"), pursuant to Public Utilities Code Section 2827c(2), shall be completed and submitted by a PG&E customer who enters into a new net energy metering contract (for example, form 79-978 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 NEMVMASH.

For the safety of the Customer and PG&E employees, under no circumstances shall the Generating Facility be operated while interconnected with PG&E if it does not pass the Operational Test in Part II, Section 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 NEMVMASH interconnection agreement as specified form 79-__ __ __ __, this NEM / NEMVMASH 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: _____



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79-978	Interconnection Agreement for Net Energy Metering of Solar or Wind Electric Generating Facilities 1,000 Kilowatts or less, other than Residential or Small Commercial Facilities of 10 kW or Less.....	22695-E
79-994	Interconnection Application for Net Energy Metering (E-NET) for Residential or Small Commercial Customers with Solar or Wind Generating Facilities of 10 Kilowatts or Less.....	25580-E
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**PG&E Gas and Electric
Advice Filing List
General Order 96-B, Section IV**

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