

PUBLIC UTILITIES COMMISSION

505 VAN NESS AVENUE



July 16, 2019

Advice Letter 5568-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: Proposed Changes to Pacific Gas and Electric Company's Virtual Net Energy Metering Tariffs NEMV, MEN2V, NEMVMASH, and NEM2VMSH to Add Provisions to Building Owners Impacted by Natural or Man-made Disasters

Dear Mr. Jacobson:

Advice Letter 5568-E is effective as of July 21, 2019.

Sincerely,

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

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

June 21, 2019

Advice 5568-E

(Pacific Gas and Electric Company ID U 39 E)

Public Utilities Commission of the State of California

Subject: Proposed Changes to Pacific Gas and Electric Company's Virtual Net Energy Metering Tariffs NEMV, NEM2V, NEMVMASH, and NEM2VMSH to Add Provisions for Building Owners Impacted by Natural or Man-Made Disasters

Purpose

Pacific Gas and Electric (PG&E) submits this Tier 2 Advice Letter to comply with ordering paragraph (OP) 2 of California Public Utilities Commission (or "Commission") Resolution E-4991.¹ This advice submittal seeks approval to extend the provisions for customers impacted by a Natural or Man-Made Disaster (referred to here as "Disaster") in Schedules NEM and NEM2 to building owners seeking to resume service on virtual net energy metering tariffs NEMV, NEM2V, NEMVMASH, and NEM2VMSH.

Background

In Decision (D.) 14-03-041,² the Commission established a transition period of 20 (twenty) years from the date of interconnection³ (Permission to Operate or "PTO") of a renewable generation system, and also allowed Customers taking service under the NEM (NEM 1) tariff to modify or repair their system as long as the new system was not sized larger than the greater of 10 (ten) percent or 1 kilowatt (kW) of the original system

¹ <http://docs.cpuc.ca.gov/PublishedDocs/Published/G000/M285/K683/285683782.PDF>

² *DECISION ESTABLISHING A TRANSITION PERIOD PURSUANT TO ASSEMBLY BILL 327 FOR CUSTOMERS ENROLLED IN NET ENERGY METERING TARIFFS*

³ Renewable generation systems eligible for the 20-year transition period adopted in this decision that are modified or repaired shall remain eligible for the remainder of their original transition period, as long as the modifications or repairs do not increase the system's generation by more than the greater of 10 percent of the system's capacity at the time the customer completes all application requirements to receive permission to operate (marking the beginning of the system's specific 20-year transition period) or 1 kilowatt, not to exceed a total generation capacity of 1 megawatt, and are sized to meet but not exceed the customer's annual onsite load. (OP 3)

size.⁴ In compliance with OP 3, PG&E submitted Advice Letter (AL) 4418-E⁵ to revise the NEM 1 tariff.

On January 14, 2016, PG&E submitted AL 4776-E⁶ to add the “Natural or Man-Made” provision in the NEM 1 Tariff. On March 9, 2016, PG&E submitted supplemental AL 4776-E-A⁷ to incorporate the clarifications requested by the Public Advocates Office. AL 4776-E-A was approved on July 12, 2016.

In a separate proceeding, PG&E submitted AL 3914-G/5186-E⁸ on November 22, 2017 to seek approval of additional consumer protection measures in compliance with Commission Resolution M-4833, *Emergency Authorization and Order Directing Utilities to Implement Emergency Consumer Protections to Support Residential Customers of the October 2017 California Wildfires*, issued November 13, 2017 (Resolution). On December 11, 2017, PG&E submitted AL 3914-G-A/5186-E-A⁹ to modify AL 3914-G/5186-E in its entirety and to provide consumer protection measures for both residential and non-residential customers. The measures included in PG&E’s Emergency Consumer Protection Plans were made effective December 22, 2017.

On August 9, 2018, the Commission issued D.18-08-004¹⁰, affirming that the Emergency Consumer Protection measures adopted in Resolutions M-4833 and M-4835¹¹ and approved in AL 3914-G-A/5186-E-A to support residential and non-residential customers affected by disasters, will go into effect in the event that a state of emergency proclamation is issued by the Governor of California, where the disaster has “either resulted in the loss or disruption of the delivery or receipt of utility service, and/or resulted in the degradation of the quality of utility service.”¹² D.18-08-004 also supported and encouraged the utilities to do more and granted the utilities the

⁴ *Ibid.*

⁵ https://www.pge.com/nots/rates/tariffs/tm2/pdf/ELEC_4418-E.pdf

⁶ https://www.pge.com/nots/rates/tariffs/tm2/pdf/ELEC_4776-E.pdf

⁷ https://www.pge.com/nots/rates/tariffs/tm2/pdf/ELEC_4776-E-A.pdf

⁸ https://www.pge.com/tariffs/assets/pdf/adviceletter/ELEC_5186-E.pdf

⁹ https://www.pge.com/tariffs/assets/pdf/adviceletter/ELEC_5186-E-A.pdf

¹⁰ *DECISION AFFIRMING THE PROVISIONS OF RESOLUTIONS M-4833 AND M-4835 AS INTERIM DISASTER RELIEF EMERGENCY CUSTOMER PROTECTIONS*

¹¹ Resolution M-4835 required southern California utilities and communications companies to implement emergency consumer protections in response to the December 2017 southern California wildfires.

¹² D.18-08-004, at OP 2.

“discretion to apply or implement additional relief efforts that are unique to its customer experience.”¹³

On September 7, 2018, PG&E submitted AL 4014-G/5378-E in compliance with OP 3 of D. 18-08-004. In it, PG&E also affirmed that it would continue to consider new measures to be included in its Emergency Consumer Protection Plan that were not covered specifically in Resolution M-4833, or D.18-08-004, or were previously not offered by PG&E.¹⁴ AL 4014-G/5378-E was approved on October 11, 2018.

In light of AL 4014-G/5378-E, PG&E submitted AL 5404-E¹⁵ on October 15, 2018. In AL 5404-E, PG&E sought approval to modify Schedules NEM, NEM2, and its interconnection application forms in the following ways:

1. Remove the 10%/1kW¹⁶ threshold for Disaster-impacted customers who were taking service on Schedule NEM and allow them to size their replacement system up to their new annual or estimated kilowatt-hours (kWh) load (subject to confirmation) without being required to move to Schedule NEM2 if the newly-sized system exceeds the 10%/1kW threshold;
2. Exempt Disaster-impacted customers who were taking service under NEM2 from the interconnection application fee when reapplying to resume service on NEM2, as long as their replacement system is sized to supply their new annual kWh load, but no greater than 1 megawatt (MW), and
3. Update its interconnection application forms to allow Disaster-impacted customers to identify themselves during the interconnection process and benefit from these provisions.

¹³ “To be sure, we support and encourage the utilities that are willing to do more. In other words, the utilities are not barred from implementing their own disaster assistance programs to augment these interim rules. That includes giving the utilities the discretion to apply or implement additional relief efforts that are unique to its customer experience, or to the specific type of damage resulting from a disaster, or to apply applicable customer protections for customers indirectly affected by the disaster when fairness and equity require auxiliary efforts to supplemental the rules set forth here.” (Page 4)

¹⁴ “In addition, PG&E will continue to consider new measures to be included in our Emergency Consumer Protection Plan that were not covered specifically in Resolution M-4833, or D. 18-08-004 or were previously not offered by PG&E.” Consumer Protection Plan, item #6 “Provide Additional Measures in PG&E’s Emergency Consumer Protection Plan” (page 9).

¹⁵ https://www.pge.com/tariffs/assets/pdf/adviceletter/ELEC_5404-E.pdf

¹⁶ Schedule NEM, *NEM Transition Provisions* see C. *Modifications* Sheet 2.

PG&E submitted minor revisions to AL 5404-E on March 20, 2019. On April 25, 2019, the Commission issued Resolution E-4991, approving AL 5404-E as written.¹⁷ Additionally, the Commission directed PG&E to submit a Tier 2 Advice Letter to extend the relief granted in Resolution E-4991 to customers on Virtual Net Energy Metering Tariffs who were also impacted by Natural or Man-Made Disasters.¹⁸

Discussion

Under Schedules NEM and NEM2, a disaster-impacted customer is eligible to resume service on their previous net energy metering tariff if they meet three main criteria: (1) they are the same customer who was impacted by a Natural or Man-Made Disaster, (2) the system is sized to generate no more than 12 months of historic, or estimated usage (kWh),¹⁹ and (3) the system is being rebuilt at the original location.

Unlike with Schedules NEM and NEM2 where there is a single customer who is the sole owner/operator and beneficiary of the impacted system, the Virtual NEM tariffs provide additional complexity for the following reasons:

1. There are often many other beneficiaries in addition to the Building Owner/Operator.
2. Depending on the virtual net metering tariff, the arrangement (Generator and Benefitting Accounts) may be eligible to span beyond a single service delivery point such that the system is located across several customer locations.
3. There are requirements imposed by the Multifamily Affordable Solar Housing (MASH) program that tie incentive levels to a set allocation of Residential Unit Accounts and Common Area Accounts that cannot be modified by the Owner/Operator for at least five years²⁰, and

¹⁷ “The request of Pacific Gas and Electric Company to modify its Net Energy Metering Tariff and its Net Energy Metering Successor Tariff to assist customers impacted by Natural or Man-Made Disasters, as described in Advice Letter 5404-E, is approved.” (OP 1)

¹⁸ “Pacific Gas and Electric Company shall file a Tier 2 Advice Letter within 60 days of issuance of this Resolution proposing tariff modifications that extend the relief granted in this Resolution to customers on Virtual Net Energy Metering Tariffs impacted by Natural or Man-Made Disasters.” (OP 2)

¹⁹ Under Schedule NEM, in addition to being sized to generate no more than the 12 months of historic, or estimated usage, the total system size can be no larger than 1,000 kW.

²⁰ “The Owner at the time the Eligible Low Income Facility first takes service under NEM2VMSH shall determine the initial percentage of Annual Solar Energy Credits allocated to the Common Area Account(s) versus the Residential Unit Accounts. This allocation shall remain fixed for at least five years...” (Special Condition 2, NEM2VMSH tariff)

4. Eligibility for the NEMVMASH and NEM2VMSH is tied to the source of the incentive(s), as described in the Tariffs.²¹

To maintain the spirit of AL 5404-E to help a specific customer group resume service on their applicable net energy metering tariff, PG&E proposes changes to its virtual net metering tariffs based on the following principles:

1. The Building Owner seeking to utilize this provision (i.e. the PG&E main customer of record associated with the Generator Account) must be the same Owner as was on the original virtual net metering tariff;
2. The replacement generating facility must be sized to produce no more than 12 months of historic or estimated kWh usage while also adhering to any other sizing limitation that is inherent to the applicable tariff (e.g. cannot exceed 1,000 kW);
3. Other than what is specified in the applicable virtual net metering tariff, there is no restriction on the number of Generator or Benefitting Accounts allowed. However, the new virtual net metering arrangement may only exist on the parcel(s)²² that the original virtual net metering arrangement was located on, and must still meet all of the applicable definitions (e.g. "Eligible Low Income Development");
4. For NEMVMASH and NEM2VMSH, the solar energy credit allocation percentage ratio between Common Area and Residential Unit must provide either the same or greater tenant-benefit if the 5-year fixed allocation requirement has not yet been met²³ (i.e., only the total Residential Unit Allocation can increase.)
5. For NEMVMASH and NEM2VMSH, Owners may resume service on the applicable Tariff as long as it is in accordance with incentive program rules that are in effect at the time that this provision is requested; and
6. The intervening period from the destruction of the generator in the disaster to the issuance of PTO for its replacement must be no longer than two years, unless

²¹ For example, to be eligible to take service on NEM2VMSH, the Applicant must provide evidence that they have applied to receive (or have received) incentives from MASH, the New Solar Homes Partnership Program (NSHP), or Low-Income Weatherization Program.

²² For NEMV, the requirement that the entire virtual net metering arrangement must exist behind the same service delivery point still applies. However, the location of the new service delivery point may be anywhere on the same parcel that the original virtual net metering arrangement was.

²³ Similar to how the 20-year NEM Grandfathering does not pause during the rebuild, the 5-year fixed allocation requirement should also not pause in the event of a Natural or Man-Made Disaster.

reasonable documentation acceptable to PG&E is provided showing that the new interconnection is in process.

PG&E is submitting revisions to its tariffs to implement these provisions. The applicable tariff sheets are listed in the enclosed Attachment 1. For your convenience, redline versions of the tariff revisions are included in Attachment 2.

Protests

Anyone wishing to protest this submittal may do so by letter sent via U.S. mail, facsimile or E-mail, no later than July 11, 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 the protestant; and statement that the protest was sent to the utility no later than the day on which the protest was submitted to the reviewing Industry Division (General Order 96-B, Section 3.11).

Effective Date

PG&E requests that this Tier 2 advice submittal become effective upon Commission approval.

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.14-07-002, and R.12-11-005. 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

Attachment

cc: Service Lists R.14-07-002, and R.12-11-005



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:

- 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) #: 5568-E

Tier Designation: 2

Subject of AL: Proposed Changes to Pacific Gas and Electric Company's Virtual Net Energy Metering Tariffs NEMV, NEM2V, NEMVMASH, and NEM2VMSH to Add Provisions for Building Owners Impacted by Natural or Man-Made Disasters

Keywords (choose from CPUC listing): Compliance,

AL Type: Monthly Quarterly Annual One-Time Other:

If AL submitted in compliance with a Commission order, indicate relevant Decision/Resolution #: E-4991

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

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

Confidential treatment requested? Yes No

If yes, specification of confidential information:

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

Resolution required? Yes No

Requested effective date:

No. of tariff sheets: 18

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 Schedule NEMV, NEM2V, NEMVMASH, and NEM2VMSH

Service affected and changes proposed¹: N/A

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

¹Discuss in AL if more space is needed.

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:

Cal P.U.C. Sheet No.	Title of Sheet	Cancelling Cal P.U.C. Sheet No.
44514-E	ELECTRIC SCHEDULE NEM2V VIRTUAL NET ENERGY METERING SERVICE Sheet 2	37826-E
44515-E	ELECTRIC SCHEDULE NEM2V VIRTUAL NET ENERGY METERING SERVICE Sheet 17	42049-E
44516-E	ELECTRIC SCHEDULE NEM2V VIRTUAL NET ENERGY METERING SERVICE Sheet 22	42050-E*
44517-E	ELECTRIC SCHEDULE NEM2V VIRTUAL NET ENERGY METERING SERVICE Sheet 23	
44518-E	ELECTRIC SCHEDULE NEM2VMSH VIRTUAL NET ENERGY METERING FOR MULTIFAMILY AFFORDABLE HOUSING (MASH/NSHP) WITH SOLAR GENERATOR(S) Sheet 1	42594-E
44519-E	ELECTRIC SCHEDULE NEM2VMSH VIRTUAL NET ENERGY METERING FOR MULTIFAMILY AFFORDABLE HOUSING (MASH/NSHP) WITH SOLAR GENERATOR(S) Sheet 3	42596-E
44520-E	ELECTRIC SCHEDULE NEM2VMSH VIRTUAL NET ENERGY METERING FOR MULTIFAMILY AFFORDABLE HOUSING (MASH/NSHP) WITH SOLAR GENERATOR(S) Sheet 15	42052-E
44521-E	ELECTRIC SCHEDULE NEM2VMSH VIRTUAL NET ENERGY METERING FOR MULTIFAMILY AFFORDABLE HOUSING (MASH/NSHP) WITH SOLAR GENERATOR(S) Sheet 19	42054-E
44522-E	ELECTRIC SCHEDULE NEM2VMSH VIRTUAL NET ENERGY METERING FOR MULTIFAMILY AFFORDABLE HOUSING (MASH/NSHP) WITH SOLAR GENERATOR(S) Sheet 20	
44523-E	ELECTRIC SCHEDULE NEMV VIRTUAL NET METERING FOR A MULTI-TENANT OR MULTI- METER PROPERTY SERVED AT THE SAME SERVICE DELIVERY POINT Sheet 24	

Cal P.U.C. Sheet No.	Title of Sheet	Cancelling Cal P.U.C. Sheet No.
44524-E	ELECTRIC SCHEDULE NEMVMASH VIRTUAL NET ENERGY METERING FOR MULTIFAMILY AFFORDABLE HOUSING (MASH/NSHP) WITH SOLAR GENERATOR(S) Sheet 3	42064-E
44525-E	ELECTRIC SCHEDULE NEMVMASH VIRTUAL NET ENERGY METERING FOR MULTIFAMILY AFFORDABLE HOUSING (MASH/NSHP) WITH SOLAR GENERATOR(S) Sheet 4	33923-E
44526-E	ELECTRIC SCHEDULE NEMVMASH VIRTUAL NET ENERGY METERING FOR MULTIFAMILY AFFORDABLE HOUSING (MASH/NSHP) WITH SOLAR GENERATOR(S) Sheet 13	42065-E
44527-E	ELECTRIC SCHEDULE NEMVMASH VIRTUAL NET ENERGY METERING FOR MULTIFAMILY AFFORDABLE HOUSING (MASH/NSHP) WITH SOLAR GENERATOR(S) Sheet 18	
44528-E	ELECTRIC SCHEDULE NEMVMASH VIRTUAL NET ENERGY METERING FOR MULTIFAMILY AFFORDABLE HOUSING (MASH/NSHP) WITH SOLAR GENERATOR(S) Sheet 19	
44529-E	ELECTRIC TABLE OF CONTENTS Sheet 1	44451-E
44530-E	ELECTRIC TABLE OF CONTENTS Sheet 6	44175-E
44531-E	ELECTRIC TABLE OF CONTENTS Sheet 7	44504-E



ELECTRIC SCHEDULE NEM2V
VIRTUAL NET ENERGY METERING SERVICE

Sheet 2

APPLICABILITY: A Property is defined as: A cluster of multi-tenant and multi-meter buildings, facilities or structures that are under the control of a single Owner or Operator built to serve a common function, such as a housing complex or a multi-tenant complex, on an integral parcel of land undivided, unless the division is a street, highway, or similar public thoroughfare, which is permissible provided no other unrelated Single Enterprises (defined as a separate business or other individual activity carried on by a customer but does not apply to associations or combinations of customers) break up the otherwise integral parcel and cluster of multi-tenant and multi-meter buildings, facilities or structures.

(Cont'd.)

Customers on this Schedule NEM2V will be covered under the Special Condition titled, *NEM2 Grandfathering Provisions*, in Schedule NEM2. Customers meeting those conditions are referred to as "NEM2V Transition Eligible Customers". (T)
I
(T)

The exports from the Generator Account are allocated to the Benefitting Accounts as described in the Special Condition 3 below.

The Generator Account and the Benefitting Accounts will be referred to collectively in this tariff as a "NEM2V Arrangement."

A Qualified Customer is either:

- 1) the Owner or Operator of the multi-tenant, multi-meter Eligible NEM2V Development with one or more separately metered accounts;
- 2) an entity authorized by the owner to install and/or operate the REGF on the Eligible NEM2V Development and who will be the IOU's customer of record for the REGF; or
- 3) a tenant/occupant⁵ in the Eligible NEM2V Development with a separately metered account, which received credit from the REGF.

Qualified Customers may continue to take service on this tariff for up to 20 years from the date of the original interconnection of their REGF, subject to Commission jurisdiction if the NEM2V Arrangement is not terminated. As provided in D.14-03-041, any customer that switches to this NEM2V tariff from the NEMV tariff may remain on this NEM2V tariff for 20 years from the original year of the interconnection of their system.

⁵ While this refers to a single metered tenant/occupant, "Multi-Meter Property" requires that there be two or more tenant/occupants, each with its own utility revenue meter participating in the NEM2V Arrangement, in addition to the (N) Generator Account meter.

(Continued)



ELECTRIC SCHEDULE NEM2V
VIRTUAL NET ENERGY METERING SERVICE

Sheet 17

SPECIAL
CONDITIONS:
(Cont'd.)

3. BILLING: (Cont'd.)

k. OAS Payment Option

Eligible Small Customer (as defined in Rule 1) Benefitting Accounts will be required to pay monthly, unless they specifically request to pay annually, for the net energy (kWh) consumed. For commercial Benefitting Accounts other than Small Commercial, the net balance of all moneys owed must be paid on each monthly billing cycle. When the Qualified 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 Qualified Customer's account, until the end of the Relevant Period.

l. Electric Service Providers (ESP) Charges:

If PG&E provides direct access (DA) metering for the ESP, UDC consolidated billing (that is, PG&E Consolidated Billing as described on PG&E's Rule 22), or ESP dual or consolidated billing support services for DA Qualified Customer served under PG&E's rates or their ESP's rates, PG&E may recover the incremental costs related to net energy metering from the customer's ESP as follows:

Metering services: \$104 Metering Service Base charge, plus \$73/hour for on-site work, plus materials.

Billing: \$85/hour plus materials.

4. INTERCONNECTION:

In order to receive approval for Parallel Operation of the REGF, including NEM2V Storage per Special Condition 6 (if applicable), or to resume service after being impacted by a Natural or Man-Made Disaster per Special Condition 7, the Owner must submit a completed PG&E application and interconnection agreement form as follows:

(T)
(T)

Interconnection Costs: The Owner or Operator of the Eligible Generator must pay all interconnection costs and application fees required under Rule 21, including but not limited to re-wiring, trenching, conduit, and other facility costs that are needed. This application fee must be paid through PG&E's online application portal in order to complete the application, unless otherwise directed by PG&E. For NEM2V Storage Interconnection cost, see Special Condition 6. For application costs associated with systems impacted by a Natural or Man-Made Disaster, see Special Condition 7.

(N)
(N)

(Continued)



ELECTRIC SCHEDULE NEM2V
VIRTUAL NET ENERGY METERING SERVICE

Sheet 23

SPECIAL
CONDITIONS:
(Cont'd.)

7. Natural or Man-Made Disasters (Cont.)

(N)

When the Generator account in the NEM2V Arrangement is impacted by a Natural or Man-Made Disaster, PG&E will true-up the NEM2V Arrangement pursuant to Special Condition 3.i., and Net Surplus Compensation will be issued, if any, pursuant to Special Condition 5 up to the date of the Natural or Man-Made disaster. If the Generator Account is not impacted while one or more of the benefitting accounts are, a True-Up will only occur for the impacted accounts, and PG&E will continue to bill the remaining⁹ accounts on NEM2V, unless requested by the Owner. Any other Owner-requested changes to the NEM2V Arrangement beyond being impacted by a Natural or Man-Made Disaster will be in accordance with Special Condition 3.h.

The intervening period from destruction of the generator(s) to permission to operate (PTO) of the replacement generator(s) must be no longer than two years, unless reasonable documentation acceptable to PG&E is provided showing that the new interconnection is in process.

This provision is only available if the PG&E customer of record listed on the Generator Account on the new NEM2V Arrangement is the same Owner as was listed on the original NEM2V Arrangement. If the generator(s) is not replaced by the same NEM2V Owner, but the property is sold to a new owner after the destruction of the generator(s), this provision does not extend to the new owner. The new owner must apply for interconnection and take service under an applicable net energy metering tariff in effect at the time and is subject to all the requirements of a new customer seeking interconnection for that net energy metering tariff.

Customers impacted by Natural or Man-Made Disasters who meet the requirements included in this Special Condition and whose aggregate replacement system(s) is sized no greater than 1 megawatt (MW)¹⁰ are exempt from the interconnection application fee when reapplying.

Owners impacted by Natural or Man-Made Disasters must comply with all requirements associated with the installation of Smart Inverter technology, as defined in Electric Rule 21.

(N)

⁹ PG&E will proactively bill the remaining benefitting accounts on NEM2V when there are at least two benefitting accounts. When only benefitting accounts are impacted, Owners do not need to submit an interconnection application to enact this provision, unless requested by PG&E.

¹⁰ As defined in Special Condition 4.

(Continued)



ELECTRIC SCHEDULE NEM2VMSH

Sheet 1

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

APPLICABILITY: This virtual net energy-metering schedule is applicable to Customers, who operate (a) solar generator in parallel with PG&E's electric system, all on the same Premises (or meeting the requirements in d.) for:

- a. an existing building or buildings that received incentives under PG&E's California Solar Initiative (CSI) Multifamily Affordable Solar Housing (MASH) Program, or
- b. new, "Affordable Housing" consisting of one or more buildings that received incentives under the New Solar Homes Partnership (NSHP) Program in PG&E's service territory, or
- c. an existing building or buildings that received incentives for solar generator(s) under the State of California's Low-Income Weatherization Program (LIWP) Program,
- d. Customers that meet the requirements of provisions "b" or "c" above except for the single Customer Service Delivery Point restriction may alternatively elect to serve Accounts located at multiple Customer Service Delivery Points within their "Eligible Low Income Development" so as to fully utilize their solar generator(s) also sited within their "Eligible Low Income Development."

Customers on this Schedule NEM2VMSH will be covered under the Special Condition titled *NEM2 Grandfathering Provisions*, in Schedule NEM2. Customers meeting those conditions are referred to as "NEM2VMSH Transition Eligible Customers".

(T)
(T)
(N)
(N)

(Continued)



ELECTRIC SCHEDULE NEM2VMSH
VIRTUAL NET ENERGY METERING FOR MULTIFAMILY
AFFORDABLE HOUSING (MASH/NSHP) WITH SOLAR GENERATOR(S)

Sheet 3

APPLICABILITY: **Network Grid Limitations** – Portions of San Francisco and Oakland, where PG&E has a network grid, have generation export limitations. Customers seeking generator interconnections in San Francisco and Oakland must contact PG&E before beginning any work.
(Cont'd.)

Account Types – Three types of Accounts in an Eligible Low Income Facility are covered by this tariff:

- a. Generator Account – the Account(s) where the solar photovoltaic generation (Solar Generating Facilities³) are interconnected and for which the Eligible Low Income Facility owner or a party they designate (“Owner”), is the PG&E Customer. The Generator Account must have no load other than that required by the Solar Generating Facility itself and must not be included as part of a Common Area Account.
- b. Common Area Account – each load-only Account for a common area, if any, and for which the Owner is the PG&E Customer.
- c. Residential Unit Account – each load-only account for a residential unit located in the Eligible Low Income Facility, and for which an occupant is the PG&E Customer.

Any Account that includes load, except one that includes only Solar Generating Facility load or as otherwise provided in NEM2VMSH, is referred to as a “Load Account”. All accounts must take service on a time of use (TOU) rate schedule.^{4,5} (T)

The Generator Account(s), the Common Area Accounts(s) and the Residential Accounts will be referred to collectively in this tariff as a “NEM2VMSH Arrangement.” (T)
(T)

Customers may continue to take service on this tariff for up to 20 years from the date of the original interconnection of their Renewable Electrical Generation Facility subject to Commission jurisdiction if the NEM2VMSH Arrangement is not terminated. As provided in D.14-03-41, any customer that switches from the NEMVMSH tariff may remain on this tariff for 20 years from the original year of the interconnection of their Solar Generating Facility.

³ Consistent with Decision (D.) 14-05-033, as modified by D.16-01-044. NEM paired storage may be interconnected under this tariff, subject to the metering and sizing requirements specified in D.14-05-33. For a Solar Generating Facilities with storage (NEM2VMSH Storage), please see Special Condition 5.

⁴ Customers on Schedules such as ET, ES, and ESR, which have no available corresponding TOU Rate, are not required to switch to TOU rates, unless and until such a rate becomes available.

⁵ Customers, including those at Residential Unit Accounts, switching from Schedule NEMVMASH to this NEM2VMSH are required to take any applicable TOU rate, beginning at the time the customer switched to the NEM2VMSH successor tariff, pursuant to D.14-03-041 and D.16-01-033. Any account not found to be on a TOU rate will automatically be defaulted to the specified TOU rate defined in the “Rate” section below.

(Continued)



ELECTRIC SCHEDULE NEM2VMSH
VIRTUAL NET ENERGY METERING FOR MULTIFAMILY
AFFORDABLE HOUSING (MASH/NSHP) WITH SOLAR GENERATOR(S)

Sheet 15

SPECIAL
CONDITIONS:
(Cont'd.)

3. INTERCONNECTION:

In order to receive approval for Parallel Operation of the Solar Generating Facilities, including NEM2VMSH Storage per Special Condition 5 (if applicable), or to resume service after being impacted by a Natural or Man-Made Disaster per Special Condition 6, the Owner must submit a completed PG&E application form and interconnection agreement as follows:

(T)
I
(T)

Facility Type	Application	Interconnection Agreement
---------------	-------------	---------------------------

For an Eligible Low Income Facility with one Single Point of Delivery

Online Rule 21 Generator Interconnection Application (Form 79-1174-02)

NEM2VMSH Virtual Net Energy Metering Application and Interconnection Agreement for the Building Owner of Multifamily Affordable Housing with a Solar Generating Facility of 1 Megawatt or Less (Form 79-1109-02)

Appendix A – Designation of Multifamily Common Area Accounts, Residential Units and Their Respective Solar Energy Credit Allocation

For an Eligible Low Income Facility with Multiple Service Delivery Points and/or Multiple Generators

Online Rule 21 Generator Interconnection Application (79-1174-02)

Eligible Low Income Development Virtual Net Energy Metering (NEM2VMSH) Application and Interconnection Agreement for Multifamily Affordable Housing with Solar Generation Totalling 1 Megawatt or Less (Form 79-1124-02)

Appendix A – Designation of Multifamily Common Area Accounts, Residential Units and Their Respective Solar Energy Credit Allocation

Appendix B – Designation of Multifamily Common Area Accounts, Residential Units and Their Respective Solar Energy Credit Allocation

Customers on this tariff must pay for the interconnection of their REGF as provided in Electric Rule 21, including an application fee. This application fee must be paid through PG&E's online application portal in order to complete the application, unless otherwise directed by PG&E. For application costs associated with systems impacted by a Natural or Man-Made Disaster, see Special Condition 6.

(N)
(N)

(Continued)



ELECTRIC SCHEDULE NEM2VMSH
VIRTUAL NET ENERGY METERING FOR MULTIFAMILY
AFFORDABLE HOUSING (MASH/NSHP) WITH SOLAR GENERATOR(S)

Sheet 20

SPECIAL
CONDITIONS:
(Cont'd.)

6. Natural or Man-Made Disasters (Cont.)

(N)

When the Generator account(s) in the NEM2VMSH Arrangement is impacted by a Natural or Man-Made Disaster, PG&E will true-up the NEM2VMSH Arrangement pursuant to Special Condition 2.g., and Net Surplus Compensation will be issued, if any, pursuant to Special Condition 4 up to the date of the Natural or Man-Made disaster. If the Generator Account(s) is not impacted while one or more of the Load Accounts are, a True-Up will only occur for the impacted accounts, and PG&E will continue to bill the remaining⁷ Load Accounts on NEM2VMSH, unless requested by the Owner. Any other Owner-requested changes to the NEM2VMSH Arrangement beyond being impacted by a Natural or Man-Made Disaster will be in accordance with Special Condition 2.b.

The intervening period from destruction of the generator(s) to permission to operate (PTO) of the replacement generator(s) must be no longer than two years, unless reasonable documentation acceptable to PG&E is provided showing that the new interconnection is in process.

Although, the initial five-year period for fixed allocation described in Special Condition 2.b. does not pause, the ratio of the percentage of Annual Solar Energy Credits allocated to the Common Area Account(s) versus the Residential Unit Accounts on the new NEM2VMSH Arrangement must be at least the same as the original NEM2VMSH Arrangement. This requirement does not apply if the five-year period has expired prior to the reapplication process, unless otherwise specified by incentive program rules⁸.

This provision is only available if (i) the PG&E customer of record listed on the Generator Account on the new NEM2VMSH Arrangement is the same Owner as was listed on the original NEM2VMSH Arrangement and (ii) the new NEM2VMSH Arrangement still meets the definition of an "Eligible Low Income Development". If the generator(s) is not replaced by the same NEM2VMSH Owner, but the property is sold to a new owner after the destruction of the generator(s), this provision does not extend to the new owner. The new owner must apply for interconnection and take service under an applicable net energy metering tariff in effect at the time and is subject to all the requirements of a new customer seeking interconnection for that net energy metering tariff.

Customers impacted by Natural or Man-Made Disasters who meet the requirements included in this Special Condition and whose aggregate replacement system(s) is sized no greater than 1 megawatt (MW)⁹ are exempt from the interconnection application fee when reapplying.

Owners impacted by Natural or Man-Made Disasters must comply with all requirements associated with the installation of Smart Inverter technology, as defined in Electric Rule 21.

(N)

⁷ PG&E will proactively bill the remaining benefitting accounts on NEM2VMSH when there are at least two benefitting accounts. When only benefitting accounts are impacted, Owners do not need to submit an interconnection application to enact this provision, unless requested by PG&E

⁸ Per MASH Program rules, properties that receive 1D incentives are required to ensure that tenants receive at least 50% of economic benefit of allocated generation.

⁹ As defined in Special Condition 3.



ELECTRIC SCHEDULE NEMV

Sheet 24

VIRTUAL NET METERING FOR A MULTI-TENANT OR MULTI-METER PROPERTY SERVED AT THE SAME SERVICE DELIVERY POINT

SPECIAL CONDITIONS:
(Cont'd.)

8. Natural or Man-Made Disasters

(N)

NEMV Transition Eligible Customers impacted by a Natural or Man-Made disaster⁶ may request to resume service on this tariff from (i) the date of the issuance of their original pre-natural-or-man-made disaster "permission to operate" (PTO) letter until (ii) the date of the customer's first Energy True Up in the twenty first (21st) year.

An Impacted Owner must:

- (i) reapply for interconnection with a replacement system(s) sized (i) no larger than 1,000 kW and (ii) to generate no more than the 12 months of historic, or estimated usage (kWh), where the new NEMV Arrangement is located behind one service delivery point on the same parcel as the original NEMV Arrangement, and
- (ii) when reapplying for interconnection, submit proof of destruction of the renewable generator(s), if requested by PG&E.

When the Generator account in the NEMV Arrangement is impacted by a Natural or Man-Made Disaster, PG&E will true-up the NEMV Arrangement pursuant to Special Condition 3.h., and Net Surplus Compensation will be issued, if any, pursuant to Special Condition 5 up to the date of the Natural or Man-Made disaster. If the Generator Account is not impacted while one or more of the benefitting accounts are, a True-Up will only occur for the impacted accounts, and PG&E will continue to bill the remaining⁷ accounts on NEMV, unless requested by the Owner. Any other Owner-requested changes to the NEMV Arrangement beyond being impacted by a Natural or Man-Made Disaster will be in accordance with Special Condition 3.g.

The intervening period from destruction of the generator(s) to permission to operate (PTO) of the replacement generator(s) must be no longer than two years, unless reasonable documentation acceptable to PG&E is provided showing that the new interconnection is in process.

This provision is only available if the PG&E customer of record listed on the Generator Account on the new NEMV Arrangement is the same Owner as was listed on the original NEMV Arrangement. If the generator(s) is not replaced by the same NEMV Owner, but the property is sold to a new owner after the destruction of the generator(s), this provision does not extend to the new owner. The new owner must apply for interconnection and take service under an applicable net energy metering tariff in effect at the time and is subject to all the requirements of a new customer seeking interconnection for that net energy metering tariff.

Owners impacted by Natural or Man-Made Disasters must comply with all requirements associated with the installation of Smart Inverter technology, as defined in Electric Rule 21.

(N)

⁶ Natural or man-made disasters includes such events as a fire, earthquake, flood, or severe storms.

⁷ PG&E will proactively bill the remaining benefitting accounts on NEMV when there are at least two benefitting accounts. When only benefitting accounts are impacted, Owners do not need to submit an interconnection application to enact this provision, unless requested by PG&E

(Continued)



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

Sheet 3

APPLICABILITY:
(Cont'd.)

Network Grid Limitations – Portions of San Francisco and Oakland, where PG&E has a network grid, have generation export limitations. Customers seeking generator interconnections in San Francisco and Oakland must contact PG&E before beginning any work.

Account Types – Three types of Accounts in an Eligible Low Income Facility are covered by this tariff:

- a. Generator Account– the Account(s) where the up to one megawatt solar photovoltaic generation (Solar Generating Facilities) are interconnected and for which the Eligible Low Income Facility owner or a party they designate (“Owner”), is the PG&E Customer. The Generator Account must have no load other than that required by the Solar Generating Facility itself and must not be included as part of a Common Area Account. For Solar Generating Facilities with storage, please see Special Condition 6¹.
- b. Common Area Account– each load-only Account for a common area, if any, and for which the Owner is the PG&E Customer.
- c. Residential Unit Account – each load-only account for a residential unit located in the Eligible Low Income Facility, and for which an occupant is the PG&E Customer.

The Generator Account(s), the Common Area Account(s), and the Residential Unit Accounts will be referred to collectively in this tariff as a “NEMVMASH Arrangement”. Any Account that includes load, except one that includes only Solar Generating Facility load or as otherwise provided in NEMVMASH, is referred to as a “Load Account”. (N)
(N)
(T)

Owner Obligations – The Owner must:

- a. comply with all applicable safety and performance standards as delineated in PG&E’s Electric Rule 21 and other applicable tariffs, safety and performance standards established by the National Electrical Code, the Institute of Electrical and Electronics Engineers, and accredited testing laboratories such as Underwriters Laboratories and, where applicable, rules of the California Public Utilities Commission regarding safety and reliability. The Owner is solely responsible for the ongoing maintenance and operation of the Solar Generating Facility;
- b. keep in force the amount of property, commercial general liability and/or personal liability insurance the Owner has in place at the time they initiate service on this tariff;
- c. agree that PG&E may from time to time release to the California Energy Commission and/or the California Public Utilities Commission, information regarding the Eligible Low Income Facility, including the Owner’s name, and Solar Generating Facility location, capacity and operational characteristics, and Customer names at the Residential Unit Accounts; AND
- d. agree to comply with all applicable rules and requirements of PG&E’s Net Energy Metering tariffs.

¹ Consistent with Decision (D.) 14-05-033, as modified by D.16-01-044, NEM paired storage may interconnect under this tariff subject to the metering and sizing requirements specified in D.14-05-033.

(Continued)



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

Sheet 4

APPLICABILITY:
(Cont'd.)

Modifications to Solar Generating Facility – If the Eligible Low Income Facility’s Solar Generating Facility has not been previously approved for interconnection by PG&E, or where any modification to the previously approved Solar Generating Facility has been made, the Owner must complete the interconnection process in Special Condition 3 of this tariff. Customers that are participating pursuant to the multiple customer service delivery point option (c. and d.) in the Applicability section may not add generation pursuant to this option after December 31, 2011, except if impacted by a Natural or Man-Made Disaster per Special Condition 7.

(T)
(N)

Change in Owner – A change in the Owner responsible for the Eligible Low Income Facility (“Change of Owner”), where no modification to the Solar Generating Facility has been made, does not need to complete the interconnection process in Special Condition 3, as long as the requirements of this section are met.

RATES:

The rate and charges at each Customer Load Account and the Generator Account under this schedule will be in accordance with its PG&E otherwise-applicable metered rate schedule (OAS). The customer at each Customer Load Account or Generator Account served under this schedule is responsible for all charges from its OAS including monthly minimum charges, customer charges, meter charges, facilities charges, demand charges and surcharges. For Generator and Common Area Accounts on general service OASs, the “Average Rate Limiter” and all other demand charges will be based on the demand in kilowatts as measured only on the energy being consumed at the Common Area Account or Generator Account from PG&E. The power factor, when it applies on the OAS, will be based on the energy consumed at the Account from PG&E and the average power factor over the past 12 billing months of operation prior to starting on NEMVMASH. A Generator or Common Area Account, without 12 billing months of power factor history, will have its power factor estimated based on the nature of the connected loads and their hours of operation. Power factor will be subsequently applied to the bill at the Generator or Common Area Account until the customer demonstrates to PG&E’s satisfaction that adequate correction had been provided. PG&E will continue to monitor and review the power factor and if warranted, change the power factor correction on the Generator or Common Area Account’s bills.

Charges for energy (kWh) supplied to a Load Account by PG&E, an ESP or a CCA, as applicable, will be based on the net metered usage in accordance with Billing (Special Condition 2, below).

For each Service Account, the energy rates and customer charges will be in accordance with their OAS. For a DA or a CCA Service Customer Load Account, the ESP or CCA is responsible for providing the billing information regarding the applicable generation related bill charges or credits to PG&E on a timely basis.

Generator Accounts eligible for service under NEMVMASH are exempt from the requirements of Schedule S—*Standby Service*.

PG&E rates and rate design, including the rates and rate design reflected in this Tariff, are subject to change from time to time. Customers should take this into consideration when making any long term decisions based on rate structures that are currently in place.

(Continued)



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

Sheet 13

SPECIAL
CONDITIONS:
(Cont'd.)

3. INTERCONNECTION:

In order to receive approval for Parallel Operation of the Solar Generating Facilities, including NEMVMASH Storage per Special Condition 6 (if applicable), or to resume service after being impacted by a Natural or Man-Made Disaster per Special Condition 7, the Owner must submit a completed PG&E application form and interconnection agreement as follows:

(T)
I
(T)

Facility Type	Application	Interconnection Agreement
For an Eligible Low Income Facility with one Single Point of Delivery	<i>Online Rule 21 Generator Interconnection Application (79-1174) – replaces application in 79-1109</i>	<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>
For an Eligible Low Income Facility with Multiple Service Delivery Points and/or Multiple Generators	<i>Online Rule 21 Generator Interconnection Application (79-1174) – replaces application in 79-1124</i>	<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>

(Continued)



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

Sheet 18

SPECIAL
CONDITIONS:
(Cont'd.)

7. Natural or Man-Made Disasters

(N)

NEMVMASH Transition Eligible Customers impacted by a Natural or Man-Made disaster³ may request to resume service on this tariff from (i) the date of the issuance of their original pre-natural-or-man-made disaster "permission to operate" (PTO) letter until (ii) the date of the customer's first Energy True Up in the twenty first (21st) year.

An Impacted Owner must:

- (i) be in accordance with incentive program rules in effect at the time of submitting the interconnection application,
- (ii) reapply for interconnection with a replacement system(s) sized (i) no larger than 1,000 kW and (ii) to generate no more than the 12 months of historic, or estimated usage (kWh), where the new NEMVMASH Arrangement is located on the same parcel(s) as the original NEMVMASH Arrangement, and
- (iii) when reapplying for interconnection, submit proof of destruction of the renewable generator(s), if requested by PG&E.

When the Generator account(s) in the NEMVMASH Arrangement is impacted by a Natural or Man-Made Disaster, PG&E will true-up the NEMVMASH Arrangement pursuant to Special Condition 2.g., and Net Surplus Compensation will be issued, if any, pursuant to Special Condition 4 up to the date of the Natural or Man-Made disaster. If the Generator Account(s) is not impacted while one or more of the Load Accounts are, a True-Up will only occur for the impacted accounts, and PG&E will continue to bill the remaining⁴ Load Accounts on NEMVMASH, unless requested by the Owner. Any other Owner-requested changes to the NEMVMASH Arrangement beyond being impacted by a Natural or Man-Made Disaster will be in accordance with Special Condition 2.b.

The intervening period from destruction of the generator(s) to permission to operate (PTO) of the replacement generator(s) must be no longer than two years, unless reasonable documentation acceptable to PG&E is provided showing that the new interconnection is in process.

Although, the initial five-year period for fixed allocation described in Special Condition 2.b. does not pause, the ratio of the percentage of Annual Solar Energy Credits allocated to the Common Area Account(s) versus the Residential Unit Accounts on the new NEMVMASH Arrangement must be at least the same as the original NEMVMASH Arrangement. This requirement does not apply if the five-year period has expired prior to the reapplication process, unless otherwise specified by incentive program rules.

(N)

³ Natural or man-made disasters includes such events as a fire, earthquake, flood, or severe storms.

⁴ PG&E will proactively bill the remaining benefitting accounts on NEMVMASH when there are at least two benefitting accounts. When only benefitting accounts are impacted, Owners do not need to submit an interconnection application to enact this provision, unless requested by PG&E.

(Continued)



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Advice 5568-E
Decision

Issued by
Robert S. Kenney
Vice President, Regulatory Affairs

Submitted
Effective
Resolution

June 21, 2019



ELECTRIC TABLE OF CONTENTS

Sheet 6

Table with columns: SCHEDULE, TITLE OF SHEET, and CAL P.U.C. SHEET NO. Includes entries for Standby Service, Bioenergy Market Adjusting Tariff, Combined Heat and Power PPA, etc.

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Sheet 7

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(Continued)

Advice 5568-E
Decision

Issued by
Robert S. Kenney
Vice President, Regulatory Affairs

Submitted
Effective
Resolution

June 21, 2019

Advice 5568-E
June 21, 2019

Attachment 2

Redline Tariffs



ELECTRIC SCHEDULE NEM2V
VIRTUAL NET ENERGY METERING SERVICE

Sheet 2

APPLICABILITY:
(Cont'd.)

A Property is defined as: A cluster of multi-tenant and multi-meter buildings, facilities or structures that are under the control of a single Owner or Operator built to serve a common function, such as a housing complex or a multi-tenant complex, on an integral parcel of land undivided, unless the division is a street, highway, or similar public thoroughfare, which is permissible provided no other unrelated Single Enterprises (defined as a separate business or other individual activity carried on by a customer but does not apply to associations or combinations of customers) break up the otherwise integral parcel and cluster of multi-tenant and multi-meter buildings, facilities or structures.

(N)

Customers on this Schedule NEM2V will be covered under the Special Condition 9 titled, NEM2 Grandfathering Provisions, in Schedule NEM2. Customers meeting those conditions are referred to as "NEM2V Transition Eligible Customers".

The exports from the Generator Account are allocated to the Benefitting Accounts as described in the Special Condition 3 below.

The Generator Account and the Benefitting Accounts will be referred to collectively in this tariff as a "NEM2V Arrangement."

A Qualified Customer is either:

- 1) the Owner or Operator of the multi-tenant, multi-meter Eligible NEM2V Development with one or more separately metered accounts;
- 2) an entity authorized by the owner to install and/or operate the REGF on the Eligible NEM2V Development and who will be the IOU's customer of record for the REGF; or
- 3) a tenant/occupant⁵ in the Eligible NEM2V Development with a separately metered account, which received credit from the REGF.

Qualified Customers may continue to take service on this tariff for up to 20 years from the date of the original interconnection of their REGF, subject to Commission jurisdiction if the NEM2V Arrangement is not terminated. As provided in D.14-03-041, any customer that switches to this NEM2V tariff from the NEMV tariff may remain on this NEM2V tariff for 20 years from the original year of the interconnection of their system.

(N)

⁵ While this refers to a single metered tenant/occupant, "Multi-Meter Property" requires that there be two or more tenant/occupants, each with its own utility revenue meter participating in the NEM2V Arrangement, in addition to the (N) Generator Account meter.

(Continued)

<i>Advice</i>	4980-E	<i>Issued by</i>	<i>Date Filed</i>	December 16, 2016
<i>Decision</i>	16-01-044	Steven Malnight	<i>Effective</i>	December 16, 2016
		<i>Senior Vice President</i>	<i>Resolution</i>	
		<i>Regulatory Affairs</i>		



ELECTRIC SCHEDULE NEM2V
VIRTUAL NET ENERGY METERING SERVICE

Sheet 17

SPECIAL
CONDITIONS:
(Cont'd.)

3. BILLING: (Cont'd.)

k. OAS Payment Option

Eligible Small Customer (as defined in Rule 1) Benefitting Accounts will be required to pay monthly, unless they specifically request to pay annually, for the net energy (kWh) consumed. For commercial Benefitting Accounts other than Small Commercial, the net balance of all moneys owed must be paid on each monthly billing cycle. When the Qualified 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 Qualified Customer's account, until the end of the Relevant Period.

l. Electric Service Providers (ESP) Charges:

If PG&E provides direct access (DA) metering for the ESP, UDC consolidated billing (that is, PG&E Consolidated Billing as described on PG&E's Rule 22), or ESP dual or consolidated billing support services for DA Qualified Customer served under PG&E's rates or their ESP's rates, PG&E may recover the incremental costs related to net energy metering from the customer's ESP as follows:

Metering services: \$104 Metering Service Base charge, plus \$73/hour for on-site work, plus materials.

Billing: \$85/hour plus materials.

4. INTERCONNECTION:

In order to receive approval for Parallel Operation of the REGF, including NEM2V Storage per Special Condition 6 (if applicable), or to resume service after being impacted by a Natural or Man-Made Disaster per Special Condition 7, the Owner must submit a completed PG&E application and interconnection agreement form as follows:

(N)
(N)

Interconnection Costs: The Owner or Operator of the Eligible Generator must pay all interconnection costs and application fees required under Rule 21, including but not limited to re-wiring, trenching, conduit, and other facility costs that are needed. This application fee must be paid through PG&E's online application portal in order to complete the application, unless otherwise directed by PG&E. For NEM2V Storage Interconnection cost, see Special Condition 6. For application costs associated with systems impacted by a Natural or Man-Made Disaster, see Special Condition 7.

(N)
(N)

(Continued)



**ELECTRIC SCHEDULE NEM2V
VIRTUAL NET ENERGY METERING SERVICE**

Sheet 22

SPECIAL
CONDITIONS:
(Cont'd.)

6. NEM2V Storage (N)

a. Definition of NEM2V Storage

NEM2V Storage is defined as an arrangement where a NEM2V REGF including a storage device is located behind the same meter on the generating account under a configuration that prevents the storage device from charging from another source other than the co-located NEM2V REGF generator (i.e. the storage cannot be charged from grid power). This can be accomplished with a physical, non-import relay—or a functionally equivalent non-import configuration as outlined in the PG&E Distribution Generation Interconnection Handbook—to prevent grid power from flowing toward the battery.

If the NEM2V Storage device has found to be charging from the grid, then this arrangement shall no longer be eligible for this tariff.

b. Interconnection Cost

Customers interconnecting storage shall be responsible for all applicable charges in Electric Rule 21.

c. Storage Size Dependent Requirements

Requirements may differ depending on the size of the NEM2V Storage. The storage device size is determined by the inverter alternating current nameplate rating. (N)

7. Natural or Man-Made Disasters (N)

NEM2V Transition Eligible Customers impacted by a Natural or Man-Made disaster⁸ may request to resume service on this tariff from (i) the date of the issuance of their original pre-natural-or-man-made disaster “permission to operate” (PTO) letter until (ii) the date of the customer’s first Energy True Up in the twenty first (21st) year.

An Impacted Owner must:

(i) reapply for interconnection with a replacement system(s) sized to generate no more than the 12 months of historic, or estimated usage (kWh), where the new NEM2V Arrangement is located on the same integral parcel as the original NEM2V Arrangement, and

(ii) when reapplying for interconnection, submit proof of destruction of the renewable generator(s), if requested by PG&E. (N)

⁸ Natural or man-made disasters includes such events as a fire, earthquake, flood, or severe storms.

(Continued)



**ELECTRIC SCHEDULE NEM2V
VIRTUAL NET ENERGY METERING SERVICE**

Sheet 23

SPECIAL
CONDITIONS:
(Cont'd.)

7. Natural or Man-Made Disasters (Cont.)

(N)

When the Generator account in the NEM2V Arrangement is impacted by a Natural or Man-Made Disaster, PG&E will true-up the NEM2V Arrangement pursuant to Special Condition 3.i., and Net Surplus Compensation will be issued, if any, pursuant to Special Condition 5 up to the date of the Natural or Man-Made disaster. If the Generator Account is not impacted while one or more of the benefitting accounts are, a True-Up will only occur for the impacted accounts, and PG&E will continue to bill the remaining⁹ accounts on NEM2V, unless requested by the Owner. Any other Owner-requested changes to the NEM2V Arrangement beyond being impacted by a Natural or Man-Made Disaster will be in accordance with Special Condition 3.h.

The intervening period from destruction of the generator(s) to permission to operate (PTO) of the replacement generator(s) must be no longer than two years, unless reasonable documentation acceptable to PG&E is provided showing that the new interconnection is in process.

This provision is only available if the PG&E customer of record listed on the Generator Account on the new NEM2V Arrangement is the same Owner as was listed on the original NEM2V Arrangement. If the generator(s) is not replaced by the same NEM2V Owner, but the property is sold to a new owner after the destruction of the generator(s), this provision does not extend to the new owner. The new owner must apply for interconnection and take service under an applicable net energy metering tariff in effect at the time and is subject to all the requirements of a new customer seeking interconnection for that net energy metering tariff.

Customers impacted by Natural or Man-Made Disasters who meet the requirements included in this Special Condition and whose aggregate replacement system(s) is sized no greater than 1 megawatt (MW)¹⁰ are exempt from the interconnection application fee when reapplying.

Owners impacted by Natural or Man-Made Disasters must comply with all requirements associated with the installation of Smart Inverter technology, as defined in Electric Rule 21.

(N)

⁹ PG&E will proactively bill the remaining benefitting accounts on NEM2V when there are at least two benefitting accounts. When only benefitting accounts are impacted, Owners do not need to submit an interconnection application to enact this provision, unless requested by PG&E.

¹⁰ As defined in Special Condition 4.

(Continued)

Advice
Decision

Issued by
Robert S. Kenney
Vice President, Regulatory Affairs

Date Filed _____
Effective _____
Resolution _____



ELECTRIC SCHEDULE NEM2VMSH
VIRTUAL NET ENERGY METERING FOR MULTIFAMILY
AFFORDABLE HOUSING (MASH/NSHP) WITH SOLAR GENERATOR(S)

Sheet 3

APPLICABILITY: **Network Grid Limitations** – Portions of San Francisco and Oakland, where PG&E has a network grid, have generation export limitations. Customers seeking generator interconnections in San Francisco and Oakland must contact PG&E before beginning any work.
(Cont'd.)

Account Types – Three types of Accounts in an Eligible Low Income Facility are covered by this tariff:

- a. Generator Account – the Account(s) where the solar photovoltaic generation (Solar Generating Facilities³) are interconnected and for which the Eligible Low Income Facility owner or a party they designate (“Owner”), is the PG&E Customer. The Generator Account must have no load other than that required by the Solar Generating Facility itself and must not be included as part of a Common Area Account.
- b. Common Area Account – each load-only Account for a common area, if any, and for which the Owner is the PG&E Customer.
- c. Residential Unit Account – each load-only account for a residential unit located in the Eligible Low Income Facility, and for which an occupant is the PG&E Customer.

Any Account that includes load, except one that includes only Solar Generating Facility load or as otherwise provided in NEM2VMSH, is referred to as a “**Customer** Load Account”. All accounts must take service on a time of use (TOU) rate schedule.^{4,5}

The Generator Account(s), the Common Area Accounts(s), and the Benefitting Residential Unit Accounts will be referred to collectively in this tariff as a “NEM2VMSH Arrangement.”

Customers may continue to take service on this tariff for up to 20 years from the date of the original interconnection of their Renewable Electrical Generation Facility subject to Commission jurisdiction if the NEM2VMSH Arrangement is not terminated. As provided in D.14-03-41, any customer that switches from the NEMVMSH tariff may remain on this tariff for 20 years from the original year of the interconnection of their Solar Generating Facility.

(T)
(T)

³ Consistent with Decision (D.) 14-05-033, as modified by D.16-01-044. NEM paired storage may be interconnected under this tariff, subject to the metering and sizing requirements specified in D.14-05-33. For a Solar Generating Facilities with storage (NEM2VMSH Storage), please see Special Condition 5.

⁴ Customers on Schedules such as ET, ES, and ESR, which have no available corresponding TOU Rate, are not required to switch to TOU rates, unless and until such a rate becomes available.

⁵ Customers, including those at Residential Unit Accounts, switching from Schedule NEMVMASH to this NEM2VMSH are required to take any applicable TOU rate, beginning at the time the customer switched to the NEM2VMSH successor tariff, pursuant to D.14-03-041 and D.16-01-033. Any account not found to be on a TOU rate will automatically be defaulted to the specified TOU rate defined in the “Rate” section below.

(T)
(N)
(N)

(Continued)



ELECTRIC SCHEDULE NEM2VMSH
VIRTUAL NET ENERGY METERING FOR MULTIFAMILY
AFFORDABLE HOUSING (MASH/NSHP) WITH SOLAR GENERATOR(S)

Sheet 15

SPECIAL
CONDITIONS:
(Cont'd.)

3. INTERCONNECTION:

In order to receive approval for Parallel Operation of the Solar Generating Facilities, including NEM2VMSH Storage per Special Condition 5 (if applicable), or to resume service after being impacted by a Natural or Man-Made Disaster per Special Condition 6, the Owner must submit a completed PG&E application form and interconnection agreement as follows:

(N)

Facility Type	Application	Interconnection Agreement
For an Eligible Low Income Facility with one Single Point of Delivery	<i>Online Rule 21 Generator Interconnection Application (Form 79-1174-02)</i>	
	<i>NEM2VMSH Virtual Net Energy Metering Application and Interconnection Agreement for the Building Owner of Multifamily Affordable Housing with a Solar Generating Facility of 1 Megawatt or Less (Form 79-1109-02)</i>	
		<i>Appendix A – Designation of Multifamily Common Area Accounts, Residential Units and Their Respective Solar Energy Credit Allocation</i>
For an Eligible Low Income Facility with Multiple Service Delivery Points and/or Multiple Generators	<i>Online Rule 21 Generator Interconnection Application (79-1174-02)</i>	
	<i>Eligible Low Income Development Virtual Net Energy Metering (NEM2VMSH) Application and Interconnection Agreement for Multifamily Affordable Housing with Solar Generation Totalling 1 Megawatt or Less (Form 79-1124-02)</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>

Customers on this tariff must pay for the interconnection of their REGF as provided in Electric Rule 21, including an application fee. This application fee must be paid through PG&E's online application portal in order to complete the application, unless otherwise directed by PG&E. For application costs associated with systems impacted by a Natural or Man-Made Disaster, see Special Condition 6.

(Continued)



ELECTRIC SCHEDULE NEM2VMSH
VIRTUAL NET ENERGY METERING FOR MULTIFAMILY
AFFORDABLE HOUSING (MASH/NSHP) WITH SOLAR GENERATOR(S)

Sheet 19

SPECIAL
CONDITIONS:
(Cont'd.)

5. NEM2VMSH Storage (N)

a. Definition of NEM2VMSH Storage

NEM2VMSH Storage is defined as an arrangement where a NEM2VMSH REGF including a storage device is located behind the same meter on the generating account under a configuration that prevents the storage device from charging from another source other than the co-located NEM2VMSH REGF generator (i.e. the storage cannot be charged from grid power). This can be accomplished with a physical, non-import relay—or a functionally equivalent non-import configuration as outlined in the PG&E Distribution Generation Interconnection Handbook—to prevent grid power from flowing toward the battery.

b. Interconnection Cost

Customers interconnecting storage shall be responsible for all applicable charges in Electric Rule 21.

c. Storage Size Dependent Requirements

Requirements may differ depending on the size of the NEM2VMSH Storage. The storage device size is determined by the inverter alternating current nameplate rating. (N)

6. Natural or Man-Made Disasters (N)

NEM2VMSH Transition Eligible Customers impacted by a Natural or Man-Made disaster⁶ may request to resume service on this tariff from (i) the date of the issuance of their original pre-natural-or-man-made disaster "permission to operate" (PTO) letter until (ii) the date of the customer's first Energy True Up in the twenty first (21st) year.

An Impacted Owner must:

(i) be in accordance with incentive program rules in effect at the time of submitting the interconnection application,

(ii) reapply for interconnection with a replacement system(s) sized to generate no more than the 12 months of historic, or estimated usage (kWh), where the new NEM2VMSH Arrangement is located on the same parcel(s) as the original NEM2VMSH Arrangement, and

(iii) when reapplying for interconnection, submit proof of destruction of the renewable generator(s), if requested by PG&E. (N)

⁶ Natural or man-made disasters includes such events as a fire, earthquake, flood, or severe storms.

(Continued)



ELECTRIC SCHEDULE NEM2VMSH
VIRTUAL NET ENERGY METERING FOR MULTIFAMILY
AFFORDABLE HOUSING (MASH/NSHP) WITH SOLAR GENERATOR(S)

Sheet 20

SPECIAL
CONDITIONS:
(Cont'd.)

6. Natural or Man-Made Disasters (Cont.)

(N)

When the Generator account(s) in the NEM2VMSH Arrangement is impacted by a Natural or Man-Made Disaster, PG&E will true-up the NEM2VMSH Arrangement pursuant to Special Condition 2.g., and Net Surplus Compensation will be issued, if any, pursuant to Special Condition 4 up to the date of the Natural or Man-Made disaster. If the Generator Account(s) is not impacted while one or more of the Load Accounts are, a True-Up will only occur for the impacted accounts, and PG&E will continue to bill the remaining⁷ Load Accounts on NEM2VMSH, unless requested by the Owner. Any other Owner-requested changes to the NEM2VMSH Arrangement beyond being impacted by a Natural or Man-Made Disaster will be in accordance with Special Condition 2.b.

The intervening period from destruction of the generator(s) to permission to operate (PTO) of the replacement generator(s) must be no longer than two years, unless reasonable documentation acceptable to PG&E is provided showing that the new interconnection is in process.

Although, the initial five-year period for fixed allocation described in Special Condition 2.b. does not pause, the ratio of the percentage of Annual Solar Energy Credits allocated to the Common Area Account(s) versus the Residential Unit Accounts on the new NEM2VMSH Arrangement must be at least the same as the original NEM2VMSH Arrangement. This requirement does not apply if the five-year period has expired prior to the reapplication process, unless otherwise specified by incentive program rules⁸.

This provision is only available if (i) the PG&E customer of record listed on the Generator Account on the new NEM2VMSH Arrangement is the same Owner as was listed on the original NEM2VMSH Arrangement and (ii) the new NEM2VMSH Arrangement still meets the definition of an "Eligible Low Income Development". If the generator(s) is not replaced by the same NEM2VMSH Owner, but the property is sold to a new owner after the destruction of the generator(s), this provision does not extend to the new owner. The new owner must apply for interconnection and take service under an applicable net energy metering tariff in effect at the time and is subject to all the requirements of a new customer seeking interconnection for that net energy metering tariff.

Customers impacted by Natural or Man-Made Disasters who meet the requirements included in this Special Condition and whose aggregate replacement system(s) is sized no greater than 1 megawatt (MW)⁹ are exempt from the interconnection application fee when reapplying.

Owners impacted by Natural or Man-Made Disasters must comply with all requirements associated with the installation of Smart Inverter technology, as defined in Electric Rule 21.

(N)

⁷ PG&E will proactively bill the remaining benefitting accounts on NEM2VMSH when there are at least two benefitting accounts. When only benefitting accounts are impacted, Owners do not need to submit an interconnection application to enact this provision, unless requested by PG&E

⁸ Per MASH Program rules, properties that receive 1D incentives are required to ensure that tenants receive at least 50% of economic benefit of allocated generation.

⁹ As defined in Special Condition 3.

(Continued)

Advice
Decision

Issued by
Robert S. Kenney
Vice President, Regulatory Affairs

Date Filed _____
Effective _____
Resolution _____



ELECTRIC SCHEDULE NEMV

Sheet 19

**VIRTUAL NET METERING FOR A MULTI-TENANT OR MULTI-METER
PROPERTY SERVED AT THE SAME SERVICE DELIVERY POINT**

SPECIAL
CONDITIONS:
(Cont'd.)

4. INTERCONNECTION:

In order to receive approval for Parallel Operation of the REGF, including NEMV Storage per Special Condition 7 (if applicable), or to resume service after being impacted by a Natural or Man-Made Disaster per Special Condition 8, the Owner must submit a completed PG&E application and interconnection agreement form as follows: (N)
(N)

Interconnection Costs: The Owner or Operator of the Eligible Generator must pay all interconnection costs required under Rule 21, including but not limited to re-wiring, trenching, conduit, and other facility costs that are needed.

Facility
Type:

Forms Required:

NEMV Solar or Wind Renewable Generation Facility
Online Rule 21 Generator Interconnection Application (79-1174) – replaces application in 79-1131
NEMV Application and Interconnection Agreement for a Solar (PV) or Wind Generating Facility of 1 Megawatt or Less (Form 79-1131)
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.
Appendix C- Generator Interconnection Point Documentation

NEMV Renewable Generation Facility other than Solar (PV) or Wind
Online Rule 21 Generator Interconnection Application (79-1174) – replaces application in 79-1142
NEMV Interconnection Application for an Eligible Renewable Generation Facility of 1 Megawatt or Less (Form 79-1142)
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.
Appendix C- Generator Interconnection Point Documentation
Interconnection Agreement For Net Energy Metering For A Renewable Electrical Generation Facility Of 1,000 Kilowatts Or Less (Form 79-1137)
Appendix A – Description Of Generating Facility And Single-Line Diagram (Provided by Customer-Generator)
Appendix B - Any Rule 2 or Rule 21 Agreements for the Installation or Allocation of Special Facilities (Forms 79-255, 79-280, 79-702) or Agreements to Perform Any Tariff Related Work (62-4527)(Formed between the Parties)
Appendix C – Schedule NEM Customer-Generator Warranty That It Meets The Requirements For An Eligible Customer-Generator And Is An Eligible Renewable Electrical Generator Facility Pursuant To Section 2827 Of The California Public Utilities Code

(Continued)



ELECTRIC SCHEDULE NEMV
VIRTUAL NET METERING FOR A MULTI-TENANT OR MULTI-METER
PROPERTY SERVED AT THE SAME SERVICE DELIVERY POINT

Sheet 24

SPECIAL CONDITIONS:
(Cont'd.)

8. Natural or Man-Made Disasters

(N)

NEMV Transition Eligible Customers impacted by a Natural or Man-Made disaster⁶ may request to resume service on this tariff from (i) the date of the issuance of their original pre-natural-or-man-made disaster "permission to operate" (PTO) letter until (ii) the date of the customer's first Energy True Up in the twenty first (21st) year.

An Impacted Owner must:

- (i) reapply for interconnection with a replacement system(s) sized (i) no larger than 1,000 kW and (ii) to generate no more than the 12 months of historic, or estimated usage (kWh), where the new NEMV Arrangement is located behind one service delivery point on the same parcel as the original NEMV Arrangement, and
- (ii) when reapplying for interconnection, submit proof of destruction of the renewable generator(s), if requested by PG&E.

When the Generator account in the NEMV Arrangement is impacted by a Natural or Man-Made Disaster, PG&E will true-up the NEMV Arrangement pursuant to Special Condition 3.h., and Net Surplus Compensation will be issued, if any, pursuant to Special Condition 5 up to the date of the Natural or Man-Made disaster. If the Generator Account is not impacted while one or more of the benefitting accounts are, a True-Up will only occur for the impacted accounts, and PG&E will continue to bill the remaining⁷ accounts on NEMV, unless requested by the Owner. Any other Owner-requested changes to the NEMV Arrangement beyond being impacted by a Natural or Man-Made Disaster will be in accordance with Special Condition 3.g.

The intervening period from destruction of the generator(s) to permission to operate (PTO) of the replacement generator(s) must be no longer than two years, unless reasonable documentation acceptable to PG&E is provided showing that the new interconnection is in process.

This provision is only available if the PG&E customer of record listed on the Generator Account on the new NEMV Arrangement is the same Owner as was listed on the original NEMV Arrangement. If the generator(s) is not replaced by the same NEMV Owner, but the property is sold to a new owner after the destruction of the generator(s), this provision does not extend to the new owner. The new owner must apply for interconnection and take service under an applicable net energy metering tariff in effect at the time and is subject to all the requirements of a new customer seeking interconnection for that net energy metering tariff.

Owners impacted by Natural or Man-Made Disasters must comply with all requirements associated with the installation of Smart Inverter technology, as defined in Electric Rule 21.

(N)

⁶ Natural or man-made disasters includes such events as a fire, earthquake, flood, or severe storms.

⁷ PG&E will proactively bill the remaining benefitting accounts on NEMV when there are at least two benefitting accounts. When only benefitting accounts are impacted, Owners do not need to submit an interconnection application to enact this provision, unless requested by PG&E.



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

Sheet 3

APPLICABILITY: **Network Grid Limitations** – Portions of San Francisco and Oakland, where PG&E has a network grid, have generation export limitations. Customers seeking generator interconnections in San Francisco and Oakland must contact PG&E before beginning any work.

(Cont'd.)

Account Types – Three types of Accounts in an Eligible Low Income Facility are covered by this tariff:

- a. Generator Account– the Account(s) where the up to one megawatt solar photovoltaic generation (Solar Generating Facilities) are interconnected and for which the Eligible Low Income Facility owner or a party they designate (“Owner”), is the PG&E Customer. The Generator Account must have no load other than that required by the Solar Generating Facility itself and must not be included as part of a Common Area Account. For Solar Generating Facilities with storage, please see Special Condition 6¹.
- b. Common Area Account– each load-only Account for a common area, if any, and for which the Owner is the PG&E Customer.
- c. Residential Unit Account – each load-only account for a residential unit located in the Eligible Low Income Facility, and for which an occupant is the PG&E Customer.

(N)
(N)

The Generator Account(s), the Common Area Account(s), and the Residential Unit Accounts will be referred to collectively in this tariff as a “NEMVMASH Arrangement”. Any Account that includes load, except one that includes only Solar Generating Facility load or as otherwise provided in NEMVMASH, is referred to as a “~~Customer~~-Load Account”.

Owner Obligations – The Owner must:

- a. comply with all applicable safety and performance standards as delineated in PG&E’s Electric Rule 21 and other applicable tariffs, safety and performance standards established by the National Electrical Code, the Institute of Electrical and Electronics Engineers, and accredited testing laboratories such as Underwriters Laboratories and, where applicable, rules of the California Public Utilities Commission regarding safety and reliability. The Owner is solely responsible for the ongoing maintenance and operation of the Solar Generating Facility;
- b. keep in force the amount of property, commercial general liability and/or personal liability insurance the Owner has in place at the time they initiate service on this tariff;
- c. agree that PG&E may from time to time release to the California Energy Commission and/or the California Public Utilities Commission, information regarding the Eligible Low Income Facility, including the Owner’s name, and Solar Generating Facility location, capacity and operational characteristics, and Customer names at the Residential Unit Accounts; AND
- d. agree to comply with all applicable rules and requirements of PG&E’s Net Energy Metering tariffs.

¹ Consistent with Decision (D.) 14-05-033, as modified by D.16-01-044, NEM paired storage may interconnect under this tariff subject to the metering and sizing requirements specified in D.14-05-033.

(N)
(N)

(Continued)

Advice	5245-E	Issued by	Date Filed	March 8, 2018
Decision	17-12-005	Robert S. Kenney	Effective	April 7, 2018
		Vice President, Regulatory Affairs	Resolution	



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

Sheet 4

APPLICABILITY: (Cont'd.) **Modifications to Solar Generating Facility** – If the Eligible Low Income Facility’s Solar Generating Facility has not been previously approved for interconnection by PG&E, or where any modification to the previously approved Solar Generating Facility has been made, the Owner must complete the interconnection process in Special Condition 3 of this tariff. Customers that are participating pursuant to the multiple customer service delivery point option (c. and d.) in the Applicability section may not add generation pursuant to this option after December 31, 2011-, except if impacted by a Natural or Man-Made Disaster per Special Condition 7.

Change in Owner – A change in the Owner responsible for the Eligible Low Income Facility (“Change of Owner”), where no modification to the Solar Generating Facility has been made, does not need to complete the interconnection process in Special Condition 3, as long as the requirements of this section are met.

RATES: The rate and charges at each Customer Load Account and the Generator Account under this schedule will be in accordance with its PG&E otherwise-applicable metered rate schedule (OAS). The customer at each Customer Load Account or Generator Account served under this schedule is responsible for all charges from its OAS including monthly minimum charges, customer charges, meter charges, facilities charges, demand charges and surcharges. For Generator and Common Area Accounts on general service OASs, the “Average Rate Limiter” and all other demand charges will be based on the demand in kilowatts as measured only on the energy being consumed at the Common Area Account or Generator Account from PG&E. The power factor, when it applies on the OAS, will be based on the energy consumed at the Account from PG&E and the average power factor over the past 12 billing months of operation prior to starting on NEMVMASH. A Generator or Common Area Account, without 12 billing months of power factor history, will have its power factor estimated based on the nature of the connected loads and their hours of operation. Power factor will be subsequently applied to the bill at the Generator or Common Area Account until the customer demonstrates to PG&E’s satisfaction that adequate correction had been provided. PG&E will continue to monitor and review the power factor and if warranted, change the power factor correction on the Generator or Common Area Account’s bills.

Charges for energy (kWh) supplied to a Load Account by PG&E, an ESP or a CCA, as applicable, will be based on the net metered usage in accordance with Billing (Special Condition 2, below).

For each Service Account, the energy rates and customer charges will be in accordance with their OAS. For a DA or a CCA Service Customer Load Account, the ESP or CCA is responsible for providing the billing information regarding the applicable generation related bill charges or credits to PG&E on a timely basis.

Generator Accounts eligible for service under NEMVMASH are exempt from the requirements of Schedule S—*Standby Service*.

PG&E rates and rate design, including the rates and rate design reflected in this Tariff, are subject to change from time to time. Customers should take this into consideration when making any long term decisions based on rate structures that are currently in place.

(N)
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|
(N)

(L)
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|
|
(L)

(Continued)

<i>Advice</i>	4418-E	<i>Issued by</i>	<i>Date Filed</i>	May 19, 2014
<i>Decision</i>	14-03-041	Brian K. Cherry	<i>Effective</i>	June 18, 2014
		<i>Vice President</i>	<i>Resolution</i>	
		<i>Regulatory Relations</i>		



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

Sheet 17

SPECIAL CONDITIONS:
(Cont'd.)

7. Natural or Man-Made Disasters

(N)

NEMVMASH Transition Eligible Customers impacted by a Natural or Man-Made disaster³ may request to resume service on this tariff from (i) the date of the issuance of their original pre-natural-or-man-made disaster "permission to operate" (PTO) letter until (ii) the date of the customer's first Energy True Up in the twenty first (21st) year.

An Impacted Owner must:

- (i) be in accordance with incentive program rules in effect at the time of submitting the interconnection application.
- (ii) reapply for interconnection with a replacement system(s) sized (i) no larger than 1,000 kW and (ii) to generate no more than the 12 months of historic, or estimated usage (kWh), where the new NEMVMASH Arrangement is located on the same parcel(s) as the original NEMVMASH Arrangement, and
- (iii) when reapplying for interconnection, submit proof of destruction of the renewable generator(s), if requested by PG&E.

When the Generator account(s) in the NEMVMASH Arrangement is impacted by a Natural or Man-Made Disaster, PG&E will true-up the NEMVMASH Arrangement pursuant to Special Condition 2.g., and Net Surplus Compensation will be issued, if any, pursuant to Special Condition 4 up to the date of the Natural or Man-Made disaster. If the Generator Account(s) is not impacted while one or more of the Load Accounts are, a True-Up will only occur for the impacted accounts, and PG&E will continue to bill the remaining⁴ Load Accounts on NEMVMASH, unless requested by the Owner. Any other Owner-requested changes to the NEMVMASH Arrangement beyond being impacted by a Natural or Man-Made Disaster will be in accordance with Special Condition 2.b.

The intervening period from destruction of the generator(s) to permission to operate (PTO) of the replacement generator(s) must be no longer than two years, unless reasonable documentation acceptable to PG&E is provided showing that the new interconnection is in process.

Although, the initial five-year period for fixed allocation described in Special Condition 2.b. does not pause, the ratio of the percentage of Annual Solar Energy Credits allocated to the Common Area Account(s) versus the Residential Unit Accounts on the new NEMVMASH Arrangement must be at least the same as the original NEMVMASH Arrangement. This requirement does not apply if the five-year period has expired prior to the reapplication process, unless otherwise specified by incentive program rules.

(N)

³ Natural or man-made disasters includes such events as a fire, earthquake, flood, or severe storms.

⁴ PG&E will proactively bill the remaining benefitting accounts on NEMVMASH when there are at least two benefitting accounts. When only benefitting accounts are impacted, Owners do not need to submit an interconnection application to enact this provision, unless requested by PG&E.

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

AT&T	Downey & Brand	Pioneer Community Energy
Albion Power Company	East Bay Community Energy	Praxair
Alcantar & Kahl LLP	Ellison Schneider & Harris LLP	Regulatory & Cogeneration Service, Inc.
	Energy Management Service	SCD Energy Solutions
Alta Power Group, LLC	Engineers and Scientists of California	
Anderson & Poole	Evaluation + Strategy for Social Innovation	SCE
	GenOn Energy, Inc.	SDG&E and SoCalGas
Atlas ReFuel	Goodin, MacBride, Squeri, Schlotz & Ritchie	
BART	Green Charge Networks	SPURR
	Green Power Institute	San Francisco Water Power and Sewer
Barkovich & Yap, Inc.	Hanna & Morton	Seattle City Light
P.C. CalCom Solar	ICF	Sempra Utilities
California Cotton Ginners & Growers Assn	International Power Technology	Southern California Edison Company
California Energy Commission	Intestate Gas Services, Inc.	Southern California Gas Company
California Public Utilities Commission	Kelly Group	Spark Energy
California State Association of Counties	Ken Bohn Consulting	Sun Light & Power
Calpine	Keyes & Fox LLP	Sunshine Design
	Leviton Manufacturing Co., Inc. Linde	Tecogen, Inc.
Cameron-Daniel, P.C.	Los Angeles County Integrated Waste Management Task Force	TerraVerde Renewable Partners
Casner, Steve	Los Angeles Dept of Water & Power	Tiger Natural Gas, Inc.
Cenergy Power	MRW & Associates	
Center for Biological Diversity	Manatt Phelps Phillips	TransCanada
City of Palo Alto	Marin Energy Authority	Troutman Sanders LLP
	McKenzie & Associates	Utility Cost Management
City of San Jose	Modesto Irrigation District	Utility Power Solutions
Clean Power Research	Morgan Stanley	Utility Specialists
Coast Economic Consulting	NLine Energy, Inc.	
Commercial Energy	NRG Solar	Verizon
County of Tehama - Department of Public Works		Water and Energy Consulting
Crossborder Energy		Wellhead Electric Company
Crown Road Energy, LLC		Western Manufactured Housing Communities Association (WMA)
Davis Wright Tremaine LLP		Yep Energy
Day Carter Murphy		
	Office of Ratepayer Advocates	
Dept of General Services	OnGrid Solar	
Don Pickett & Associates, Inc.	Pacific Gas and Electric Company	
Douglass & Liddell	Peninsula Clean Energy	