

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

Fax: 415.973.6520

September 12, 2011

Advice 3902-E

(Pacific Gas and Electric Company ID U 39 E)

Public Utilities Commission of the State of California

Subject: Schedule NEMV Pursuant to Decision (D.) 11-07-031, Ordering Paragraph 2

Pacific Gas and Electric Company ("PG&E") hereby submits for filing a new electric tariff. The new tariff sheets are listed on the enclosed Attachment I.

<u>Purpose</u>

PG&E hereby submits for filing new Electric Schedule NEMV— Solar and/or Wind Virtual Net Energy Metering for Multiple Tenants Served at the Same Service Delivery Point pursuant to Decision (D.) 11-07-031,¹ Ordering Paragraph 2, and an accompanying new form, NEMV Application and Interconnection Agreement for an Eligible Generating Facility of 1 Megawatt or Less Serving Multiple Tenants Served at a Single Service Delivery Point (Form 79-1131).

Background

In May 2010, the California Public Utilities Commission ("CPUC" or "Commission") initiated a new Order Instituting Rulemaking ("OIR"), "Order Instituting Rulemaking Regarding Policies, Procedures and Rules for the California Solar Initiative, the Self-Generation Incentive Program and Other Distributed Generation Issues (Rulemaking 10-05-004)."

Phase 1 of this OIR addressed various issues relating to virtual net metering. After the Commission sought comments on this matter and others, it issued Decision ("D").11-07-031 effective July 14, 2011. When first established as part of the Multifamily Affordable Solar Housing ("MASH") Program in D.08-10-036, virtual net metering ("VNM") allowed customers to allocate electricity generated from a single solar energy system as kilowatt hour credits to other accounts on the affordable housing property. The phase 1 Decision, D.11-07-031, among several other directives, expanded the types of customers eligible for VNM.

¹ http://docs.cpuc.ca.gov/PUBLISHED/FINAL_DECISION/139683.htm

Specifically, Ordering Paragraph 2,² the basis for this advice letter, expands VNM. It states:

"Within 60 days of the effective date of this decision, Pacific Gas and Electric Company, Southern California Edison Company and San Diego Gas and Electric Company (collectively, the utilities) shall each file Tier 2 advice letters containing modifications to their Net Energy Metering tariffs to allow Virtual Net Metering (VNM) to apply to all multi-tenant and multi-meter properties, with the limitation that sharing of bill credits can only occur for accounts served by a single service delivery point that receive a full retail rate credit unless the customer is a Multifamily Solar Housing Program participant. The revised tariffs in these advice letters should mirror the tariff created in compliance with Decision 08-10-036 for Multifamily Affordable Solar Housing (MASH) program participants. Any deviations from the MASH VNM tariffs should be explained and supported in the advice letter. The utilities may propose a one time account set up fee and monthly administrative fee for VNM service. The utilities may seek recovery of VNM implementation and set up costs in their future general rate cases."

The discussion in the decision offered this additional guidance:³

- "We do, however, clarify that per the NEM statutes, systems are intended primarily to offset part of all of the customer's own electrical requirements (Pub. Util. Code Section 2827(b)(4)) and should be sized accordingly. "
- "Second, VNM should not be limited to photovoltaic (PV) systems. The expanded VNM concept can apply to any DG technology that receives a full retail rate credit under net energy metering. "
- "The parties raised many issues surrounding implementation details of an expanded VNM tariff such as allocation of credits for commercial and industrial customers, metering costs, billing charges and start up costs. We prefer to allow these details to be worked out through the compliance advice letter process rather than to address them here. We agree with parties who commented that a workshop may be useful to help resolves these issues. Energy Division may hold a workshop or direct the utilities to host a workshop to resolve implementation issues that may arise relating to the VNM tariffs. Moreover, we will direct that the expanded VNM tariffs should mirror those filed for VNM in the MASH program. If the utilities choose to deviate from the details of the MASH VNM program, their advice letter filing should contain justification to support any proposed deviations."

² Advice Letter 3960-E filed August 15, 2011, modifies the existing MASH VNM schedule NEMVNMA, or as PG&E re-named it, NEMVMASH.

³ D.11-07-031, pages 16, 17 and 18, *Discussion* Section 4.2, *Expansion of VNM to All Customers*.

This Advice letter is intended to comply with this order to implement this change.⁴

Tariff Revisions

The following general changes were made to the NEMV:

 Applicability – clarified the applicability was limited to generation types eligible for a retail credit only, that is, "solar photovoltaic and/or wind generating facility ... sized no larger than the energy requirements of all Benefiting Accounts but with a maximum total size of no larger than one megawatt (1,000 kilowatts), and where the wind generator if any, has a maximum size of no larger than fifty (50) kilowatts."

Eligible benefiting account types were expanded to include customer classes other than just those eligible for affordable housing.

- 2. Rates PG&E clarified OAS charges billed to the generator account and how they relate to the meter option selected in Special Condition 1.
- One-Time Setup Charges PG&E is proposing a one-time setup charge that will be based on two components. The first charge is related to establishing the allocation of the solar credits from the Generating Account, it is charged only to the Generating Account "Owner," and it is based on the number of benefiting accounts.

The same charge is also billed when the Generating Account Owner changes the allocations based on the number of benefiting accounts affected. The perbenefiting Account charge is lower for allocation changes than for the initial allocation. Also, the Generating Account Owner is free to change allocation at any time with thirty days notice.

The second component of the one-time charge is a one-time Service Delivery Point and NEMV Arrangement assessment charge of \$550.00, billed to the Generator Account Owner.

If the Owner's site includes more than one NEMV Arrangement, PG&E offers a discount for any additional NEMV Arrangement assessments performed at the same time as the first due to saved transportation costs.

From experience with NEMVNMA, PG&E has found it must send field personnel out to assess the best way to tie the generating facility into the existing service

⁴ Pending Advice 3870-E filed July 12, 2011, includes changes to NEMVNMA regarding AB920 (http://www.pge.com/nots/rates/tariffs/tm2/pdf/ELEC_3870-E.pdf). PG&E will submit an advice letter merging the language of these two filing once they are both approved.

panels. The assessment charge assumes two individuals (a service planning representative, and an advanced meter specialist) will perform this task, includes their average travel time, and their average time to make an assessment of the initial service point. Finally, it is assumed that the same values for the on-site evaluation excluding travel time would be used to assess each additional arrangement, if there is more than one at the site. That is why PG&E has reduced the charge for the additional assessments done at the same time.

In this filing PG&E is not requesting that monthly charges be established to recover costs associated with billing exceptions or errors in this filing, but PG&E reserves the right to file to amend the tariff at some future date in the event that actual operational data suggests that such additional costs are incurred on a regular basis.

- 4. Meter Charges PG&E will continue to offer the low cost TOU meter option that was included in Schedule NEMVNMA. It is possible that due to the large possible range of potential rate schedules available to NEMV Benefiting Accounts, that this will prove difficult to manage. (Recall all Benefiting Accounts must be on a compatible TOU OAS for this option to be available; any changeof-party can upset the compatibility if the new party changes OAS). PG&E reserves the right to revisit this option in a future advice letter if it proves difficult to manage.
- 5. Allocation of solar credits Unlike NEMVNMA, the basis of the Benefiting Account Allocation is not prescribed by the tariff. The Owner is free to establish the Allocation percentages, but consistent with the VNM decision PG&E requires that:
 - i) The Generator Account associated with the NEMV agreement is sized to offset no more than part or all of the annual usage (kWh) requirements of all the Benefiting Accounts in this NEMV Arrangement, and
 - ii) The Eligible Allocation Percentage established for each Benefiting Account in Appendix A is sized to offset no more than part or all of the annual usage (kWh) requirements for that specific Benefiting Account.

The Owner who completes the NEMV application will be required to warrant these requirements are met in Appendix B of the application.

- 6. Interconnection Charges In Special Condition 4, *Interconnection* PG&E included new language clarifying interconnection cost responsibility.
- Assembly Bill ("AB") 920 PG&E incorporated the language for Net Surplus Compensation based on D.11-06-016, PG&E Advice Letter 3870-E and Draft Resolution 4422. Certain minor modifications were made to address the details

of this schedule. If additional changes are made to the AB920 language when it is approved, PG&E will file again to make the language conform.

8. Changes were made to create a new NEMV application and interconnection agreement form (new Form 79-1131) from the existing form for NEMVNMA to address the different applicability (i.e., solar and wind generation), the single Service Delivery Point requirement, and details relating to the Allocation (such as, not being constrained by certain rules of the MASH program). Additionally, a new appendix was added as noted in Item 5.

Protests

Anyone wishing to protest this filing may do so by letter sent via U.S. mail, by facsimile or electronically, any of which must be received no later than **October 3**, **2011** which is 21⁵ days after the date of this filing. Protests should be mailed to:

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

Facsimile: (415) 703-2200 E-mail: jnj@cpuc.ca.gov and mas@cpuc.ca.gov

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

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

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

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

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

Effective Date

PG&E requests that this Tier 2 advice filing become effective on regular notice, **October 12, 2011,** which is 30 calendar days after the date of filing.

Notice

In accordance with General Order 96-B, Section IV, a copy of this advice letter is being sent electronically and via U.S. mail to parties shown on the attached list and the parties on the service list for R.10-05-004 (Order Instituting Rulemaking Regarding Policies, Procedures and Rules for the California Solar Initiative, the Self-Generation Incentive Program and Other Distributed Generation Issues). 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 Commission's Process Office (415) 703-2021 the at or at ProcessOffice@cpuc.ca.gov. Send all electronic approvals to PGETariffs@pge.com. Advice letter filings can also be accessed electronically at: http://www.pge.com/tariffs

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Vice President, Regulation and Rates

cc: Service List R.10-05-004

Attachments

CALIFORNIA PUBLIC UTILITIES COMMISSION

ADVICE LETTER FILING SUMMARY

ENERGY UTILITY

MUST BE COMPLETED BY UTILITY (Attach additional pages as needed)			
Company name/CPUC Utility No. Pacific	Gas and Electric Com	bany (ID U39 M)	
Utility type:	Contact Person: Linda Tom-Martinez		
\square ELC \square GAS	Phone #: (415) 973-46		
\Box PLC \Box HEAT \Box WATER	E-mail: lmt1@pge.com		
EXPLANATION OF UTILITY		(Date Filed/ Received Stamp by CPUC)	
ELC = Electric $GAS = Gas$ (Date Filed/ Received Stamp by CPUC)			
PLC = Pipeline HEAT = Heat			
Advice Letter (AL) #: <u>3902-E</u>		Tier: <u>2</u>	
Subject of AL: Schedule NEMV Pursuan	t to Decision (D.)11-07	-031, Ordering Paragraph 2	
Keywords (choose from CPUC listing): Co	ompliance, Forms, Meter	ing	
AL filing type: □ Monthly □ Quarterly □Ar	inual ⊠One-Time □ Oth	er	
If AL filed in compliance with a Commission of	order, indicate relevant Dec	ision/Resolution #: <u>D. 11-07-031</u>	
Does AL replace a withdrawn or rejected AL?	If so, identify the prior Al	.: <u>No</u>	
Summarize differences between the AL and the			
Is AL requesting confidential treatment? If so,			
Confidential information will be made availabl		5	
Name(s) and contact information of the person information:	(s) who will provide the no	ndisclosure agreement and access to the confidential	
Resolution Required? Yes □ ☑No			
Requested effective date:October 12, 2011No. of tariff sheets:20			
Estimated system annual revenue effect (%): 1	<u>J/A</u>		
Estimated system average rate effect (%): <u>N/A</u>			
When rates are affected by AL, include attachr commercial, large C/I, agricultural, lighting).	nent in AL showing average	e rate effects on customer classes (residential, small	
Tariff schedules affected: New Electric Rate Schedule NEMV, New Electric Sample Form 79-1131			
Service affected and changes proposed ¹ : <u>N/A</u>			
Pending advice letters that revise the same tariff sheets: N/A			
Protests, dispositions, and all other correspondence regarding this AL are due no later than 20 days after the date of this filing, unless otherwise authorized by the Commission, and shall be sent to:			
CPUC, Energy Division		ic Gas and Electric Company	
Tariff Files, Room 4005 DMS Branch		Brian Cherry President, Regulation and Rates	
505 Van Ness Ave.,	77 B	eale Street, Mail Code B10C	
San Francisco, CA 94102 P.O. Box 770000 San Francisco, CA 94177			
jnj@cpuc.ca.gov and mas@cpuc.ca.gov E-mail: PGETariffs@pge.com			

Cal P.U.C.	
Sheet No.	Title of Sheet

Cancelling Cal P.U.C. Sheet No.

30583-E	ELECTRIC SCHEDULE NEMV SOLAR AND/OR WIND VIRTUAL NET ENERGY METERING FOR MULTIPLE TENANTS SERVED AT THE SAME SERVICE DELIVERY POINT Sheet 1
30584-E	ELECTRIC SCHEDULE NEMV SOLAR AND/OR WIND VIRTUAL NET ENERGY METERING FOR MULTIPLE TENANTS SERVED AT THE SAME SERVICE DELIVERY POINT Sheet 2
30585-E	ELECTRIC SCHEDULE NEMV SOLAR AND/OR WIND VIRTUAL NET ENERGY METERING FOR MULTIPLE TENANTS SERVED AT THE SAME SERVICE DELIVERY POINT Sheet 3
30586-E	ELECTRIC SCHEDULE NEMV SOLAR AND/OR WIND VIRTUAL NET ENERGY METERING FOR MULTIPLE TENANTS SERVED AT THE SAME SERVICE DELIVERY POINT Sheet 4
30587-E	ELECTRIC SCHEDULE NEMV SOLAR AND/OR WIND VIRTUAL NET ENERGY METERING FOR MULTIPLE TENANTS SERVED AT THE SAME SERVICE DELIVERY POINT Sheet 5
30588-E	ELECTRIC SCHEDULE NEMV SOLAR AND/OR WIND VIRTUAL NET ENERGY METERING FOR MULTIPLE TENANTS SERVED AT THE SAME SERVICE DELIVERY POINT Sheet 6

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Sheet No.	Title of Sheet	P.U.C. Sheet No.

30589-E	ELECTRIC SCHEDULE NEMV SOLAR AND/OR WIND VIRTUAL NET ENERGY METERING FOR MULTIPLE TENANTS SERVED AT THE SAME SERVICE DELIVERY POINT Sheet 7
30590-E	ELECTRIC SCHEDULE NEMV SOLAR AND/OR WIND VIRTUAL NET ENERGY METERING FOR MULTIPLE

TENANTS SERVED AT THE SAME SERVICE DELIVERY POINT Sheet 8

- 30591-E ELECTRIC SCHEDULE NEMV SOLAR AND/OR WIND VIRTUAL NET ENERGY METERING FOR MULTIPLE TENANTS SERVED AT THE SAME SERVICE DELIVERY POINT Sheet 9
- 30592-E ELECTRIC SCHEDULE NEMV SOLAR AND/OR WIND VIRTUAL NET ENERGY METERING FOR MULTIPLE TENANTS SERVED AT THE SAME SERVICE DELIVERY POINT Sheet 10
- 30593-E ELECTRIC SCHEDULE NEMV SOLAR AND/OR WIND VIRTUAL NET ENERGY METERING FOR MULTIPLE TENANTS SERVED AT THE SAME SERVICE DELIVERY POINT Sheet 11
- 30594-E ELECTRIC SCHEDULE NEMV SOLAR AND/OR WIND VIRTUAL NET ENERGY METERING FOR MULTIPLE TENANTS SERVED AT THE SAME SERVICE DELIVERY POINT Sheet 12

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Sheet No.	Title of Sheet	P.U.C. Sheet No.

30595-E	ELECTRIC SCHEDULE NEMV SOLAR AND/OR WIND VIRTUAL NET ENERGY METERING FOR MULTIPLE TENANTS SERVED AT THE SAME SERVICE DELIVERY POINT Sheet 13	
30596-E	ELECTRIC SCHEDULE NEMV SOLAR AND/OR WIND VIRTUAL NET ENERGY METERING FOR MULTIPLE TENANTS SERVED AT THE SAME SERVICE DELIVERY POINT Sheet 14	
30597-E	ELECTRIC SCHEDULE NEMV SOLAR AND/OR WIND VIRTUAL NET ENERGY METERING FOR MULTIPLE TENANTS SERVED AT THE SAME SERVICE DELIVERY POINT Sheet 15	
30598-E	ELECTRIC SCHEDULE NEMV SOLAR AND/OR WIND VIRTUAL NET ENERGY METERING FOR MULTIPLE TENANTS SERVED AT THE SAME SERVICE DELIVERY POINT Sheet 16	
30599-E	ELECTRIC SAMPLE FORM 79-1131 APPLICATION AND INTERCONNECTION AGREEMENT FOR AN ELIGIBLE GENERATING FACILITY OF 1 MW OR LESS SERVING MULTIPLE TENANTS Sheet 1	
30600-E	ELECTRIC TABLE OF CONTENTS Sheet 1	30511-E
30601-E	ELECTRIC TABLE OF CONTENTS RATE SCHEDULES Sheet 6	30171-E
30602-E	ELECTRIC TABLE OF CONTENTS SAMPLE FORMS Sheet 27	29915-E



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	ELECTRIC SCHEDULE NEMV Sheet R AND/OR WIND VIRTUAL NET ENERGY METERING FOR MULTIPLE TENANTS SERVED AT THE SAME SERVICE DELIVERY POINT	t 1 (N (N (N
APPLICABILITY:	This virtual net energy-metering schedule is applicable to multiple, individually metered tenants served at the same Service Delivery Point (SDP), ¹ with the following :	(N)
	a. <u>A Generator Account</u> that:	
	 (i) consists of a single solar photovoltaic and/or wind generating facility ("Eligible Generating Facility") sized no larger than the energy requirements of all Benefitting Accounts but with a maximum total size of no larger than one megawatt (1,000 kiloWatts), and where the wind generator if any, has a maximum size of no larger than fifty (50) kilowatts; and (ii) is interconnected with PG&E through a single meter located at the same Service Delivery Point as all Benefitting Accounts; and (iii) has no load other than that required by the Eligible Generating Facility's inverter; and (iv) takes bundled service, with the generator owner or their designee as the Customer of record ("Owner"); and 	
	b. <u>Benefitting Account(s)</u> , each of which:	
	 (i) takes bundled service from PG&E and (ii) is an individually metered, electric account serving a tenant or common area with no other generating facility interconnected with PG&E on the account; and 	
	 (iii) is served from the same Service Delivery Point as the Eligible Generating Facility, and (iv) does not participate in a PG&E electric demand response program, another virtual net energy metering program or the RES-BCT program. 	
	The exports from the Generating 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 "NEMV Arrangement."	I (N)
As defined in Rule		

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30584-E

ELECTRIC SCHEDULE NEMV Sheet 2 (N) SOLAR AND/OR WIND VIRTUAL NET ENERGY METERING FOR MULTIPLE (N) TENANTS SERVED AT THE SAME SERVICE DELIVERY POINT (N) APPLICABILITY: NEMV is available on a first-come, first-served basis to Customers that provide (N) PG&E with: I a. a completed, signed NEMV application and interconnection agreement as I described in Special Condition 4, including all supporting documents and I required payments; AND I I b. evidence of the Customer's final inspection clearance from the governmental I authority having jurisdiction over the generating facility; I I until such time as the total rated generating capacity used by eligible Customer-I generators on Rate Schedule NEM, NEMV and NEMVMASH, exceeds five (5) 1 percent of PG&E's aggregate customer peak demand. (Calculation as described in I Rate Schedule NEM), until December 31, 2015, or until all funds available for the 1 incentives have been allocated, whichever comes first. I I Network Grid Limitations – Portions of San Francisco and Oakland, where PG&E I has a network grid, have generation export limitations. Customers seeking 1 generator interconnections in San Francisco and Oakland must contact PG&E before beginning any work. I I **Owner Obligations – The Owner must:** I I a. comply with all applicable safety and performance standards as delineated in 1 PG&E's Electric Rule 21 and other applicable tariffs, safety and performance I standards established by the National Electrical Code, the Institute of Electrical I and Electronics Engineers, and accredited testing laboratories such as I Underwriters Laboratories and, where applicable, rules of the California Public I Utilities Commission regarding safety and reliability. The Owner is solely I responsible for the ongoing maintenance and operation of the Solar I I Generating Facility; and I I 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 T service on this tariff; and T (N)

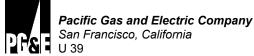
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September 12, 2011

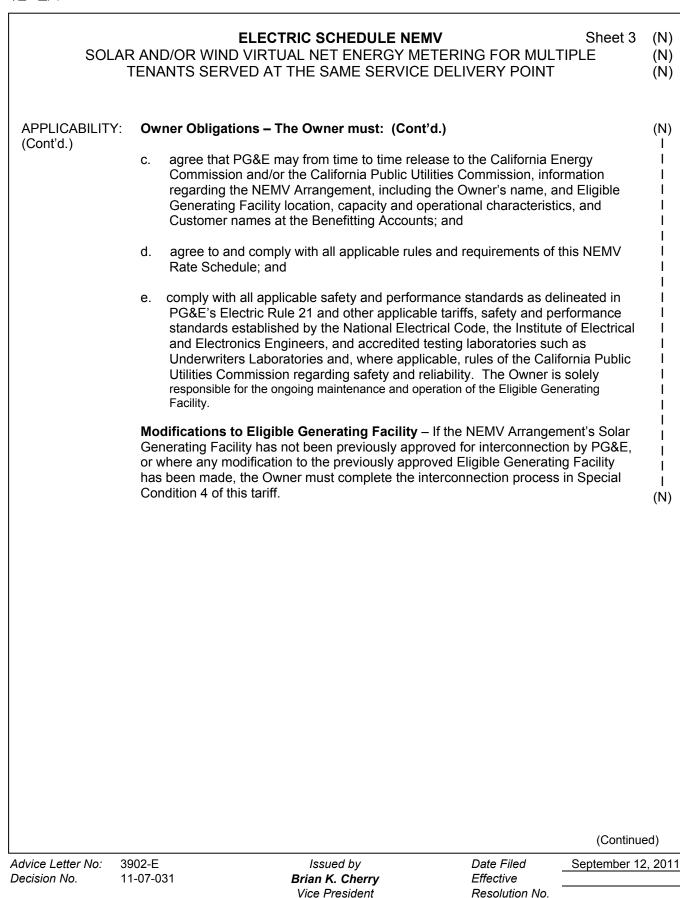
Advice Letter No:

3902-F

11-07-031

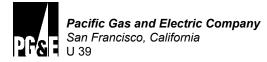


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Regulation and Rates

Resolution No.

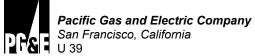


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SOLA	R AND/OR WIND VIRT	TRIC SCHEDULE NEMV UAL NET ENERGY MET I THE SAME SERVICE D	ERING FOR MULT	Sheet 4 IPLE	(N) (N) (N)
APPLICABILITY: (Cont'd.)	Arrangement ("Change Facility has been made Special Condition 3, as	change in the Owner respor of Owner"), where no modif , does not need to complete long as the requirements of Condition 6 for any re-inspe	fication to the Eligible the interconnection p this section are met.		(N)
RATES:	The rate and charges for accordance with its PG Customer at each Bener all charges from its OAS meter charges, facilities For Benefitting Account all other demand charge only on the energy bein power factor, when it ap the Benefitting Account billing months of operat without 12 billing month based on the nature of factor will be subsequen Customer demonstrates provided. PG&E will co warranted, change the Charges for energy (kW	Condition 6 for any re-inspe or each Benefitting Account &E otherwise-applicable me fitting Account served unde 5 including monthly minimur a charges, demand charges s on general service OASs, es will be based on the dem g consumed at the Benefittii oplies on the OAS, will be ba from PG&E and the averag ion prior to starting on NEM' s of power factor history, wi the connected loads and the ntly applied to the bill at the s to PG&E's satisfaction that ntinue to monitor and review power factor correction on th /h) supplied by PG&E will be th Billing (Special Condition	under this schedule w tered rate schedule (G r this schedule is resp n charges, customer of and surcharges. the "Average Rate Lin and in kilowatts as mong Account from PG& ased on the energy co e power factor over the V. A Benefitting Account II have its power factor eir hours of operation. Benefitting Account u t adequate correction w the power factor and ne Benefitting Account e based on the net me	DAS). The bonsible for charges, miter" and easured E. The bonsumed at he past 12 bunt, or estimated Power ntil the had been d if t's bills.	
Advice Letter No:	3902-F	Issued by	Date Filed	(Continue	

Decision No.

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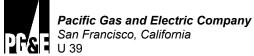


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SO		ELECTRIC SCHEDULE NI OR WIND VIRTUAL NET ENERGY N IS SERVED AT THE SAME SERVIO	METERING FOR MULTI	Sheet 5 (N) PLE (N) (N)
RATES: (Conťd.)	the OAS Custom meter p an OAS charge of placed of Account including charges NEMV, General	ner of the Generator Account served un S that contains the appropriate customer ers who have elected to pay a one-time ursuant to Special Condition 1.a.(ii) of th that does not contain a meter charge. option pursuant to Special Condition 1.a on an OAS containing a meter charge. It served under this schedule is responsi g monthly minimum charges, customer demand charges and surcharges, as w including those in Special Conditions 1(tor Accounts eligible for service under N ments of Schedule S— <i>Standby Service</i> .	r-, minimum- and/or meter fee for the installation of a his Schedule NEMV will be If the Owner elects the mo- a. (ii), the Generator Account The Owner at the Generati ible for all charges from its charges, meter charges, fa- well as the charges in this S (a) and 2, where applicable IEMV are exempt from the	charges. TOU placed on nthly meter nt shall be ng OAS cilities Schedule
SPECIAL CONDITIONS:	1. ME a.	TERING: NEMV net energy metering s The Generator Account where the Elig using either:		located,
		 (i) a PG&E interval meter (capable of Facility's output in up to fifteen min PG&E to allocate the Eligible Ener Benefitting Accounts in an NEMV / responsible for, and shall bear all of providing and installing an interval The cost of the interval meter instal and will vary on a site specific basis 	nute increments), if require gy Credit based on the OA Arrangement. The Owner s costs associated with PG& meter for the Generator A allation will be determined b	d by S of the shall be E ccount.
		(ii) a PG&E "time-of-use" (TOU) meter Accounts' OASs PG&E is able to a This option will only be available u change necessitates that the Own order to properly allocate Eligible E responsible for, and shall bear all o providing and installing a TOU meter upgrading to an interval meter if re option, the Owner may choose cha front fee or as a monthly meter cha	allocate the Eligible Energy ntil any Benefitting Accoun er provide an interval mete Energy Credits. The Owne costs associated with, PG8 ter for the Generator Accoun- equired in the future). For the arges based on either a one	Credits. t OAS r per (i) in r shall be t E unt (or he TOU e-time, up-
				(Continued)
Advice Letter No:	3902-E	Issued by	Date Filed	September 12, 2011

Decision No.

3902-E 11-07-031



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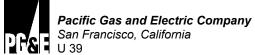
ELECTRIC SCHEDULE NEMV Sheet 6 (N) SOLAR AND/OR WIND VIRTUAL NET ENERGY METERING FOR MULTIPLE (N) TENANTS SERVED AT THE SAME SERVICE DELIVERY POINT (N) (N) SPECIAL 1. METERING: NEMV net energy metering shall be accomplished at: (Cont'd.) CONDITIONS: The Generator Account where the Eligible Generating Facility is located, using either: (Cont'd.) a. (Cont'd.) (ii) (Cont'd.): **TOU Meter Option** One Time upfront fee Monthly Meter Charge Single Phase \$755.00 Based on the OAS monthly meter charge Three Phase \$890.00 Based on the OAS monthly meter charge If the Generator Account is found to have any load in addition to that of the Eligible Generating Facility's inverter(s), PG&E reserves the right to require the Owner to install a bi-directional PG&E meter appropriate to its otherwise applicable rate schedule and a generator output meter to determine the total generation and total usage at the Account. Additionally, the Owner will need to furnish at the Owner's expense a meter socket for the generation output meter and provide PG&E with unrestricted access to that meter and socket. If the Generator Account's existing electrical meter, together with the generation output meter, is not capable of determining the total usage necessary to bill its otherwise applicable rate schedule, the Owner shall be responsible for all expenses involved in purchasing and installing such metering. b each Benefitting Account using PG&E metering appropriate to its otherwise applicable rate schedule. (N) (Continued) 3902-E Issued by Date Filed

Advice Letter No: Decision No. 11-07-031 Effective Resolution No.



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SOLA	AR AND/OR WIND VIRTUAL NET ENERGY METERING FOR MULTIPLE	N) N) N)
SPECIAL CONDITIONS:	2. ONE-TIME SETUP CHARGES: (1	N)
(Cont'd.)	PG&E will bill the Owner a one-time <u>setup</u> charge of \$12.00 per Benefitting Account in the NEMV Arrangement when the Owner submits Appendix A to first establish service for a Benefitting Account, as described Special Condition 3 (b).	-
	PG&E will bill the Owner a one-time <u>modification</u> charge of \$3.00 for each Benefitting Account with a changed allocation when the Owner submits a new Appendix A with a change to the Annual Eligible Energy Credit Allocation, as described Special Condition 3 (f).	
	PG&E will bill the Owner a one-time Service Delivery Point and NEMV Arrangement <u>assessment</u> charge of \$550.00 . If the Owner's site includes more than one NEMV Arrangement, for any additional NEMV Arrangement assessments performed at the same time as the first, the Owner will be billed a charge of \$91 for each additional Generator Account.	
	3. BILLING:	1
	For each Benefitting Account, Consumption or production shall be valued as follows:	
	a. Annual Eligible Energy Credit	i
	The Annual Eligible Energy Credit is the total energy (in kilowatt hours or kWh) exported to PG&E by the Generator Account over the Relevant Period as defined in Special Condition 3 f.	
	b. The Annual Eligible Energy Credit Allocation	1
	The Owner at the time the NEMV Arrangement first takes service under NEMV shall determine the initial percentage of Annual Eligible Energy Credits allocated to the Benefitting Accounts.	
	This allocation percentage will be established by the Owner on Appendix A of the NEMV application and interconnection agreement as described in Special Condition 4.	
	Once allocated, Credits (in dollars) will be calculated per the OAS for each Benefitting Account as described in Special Condition 3.c. (I	i I N)
	(Continued)	

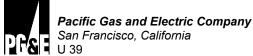


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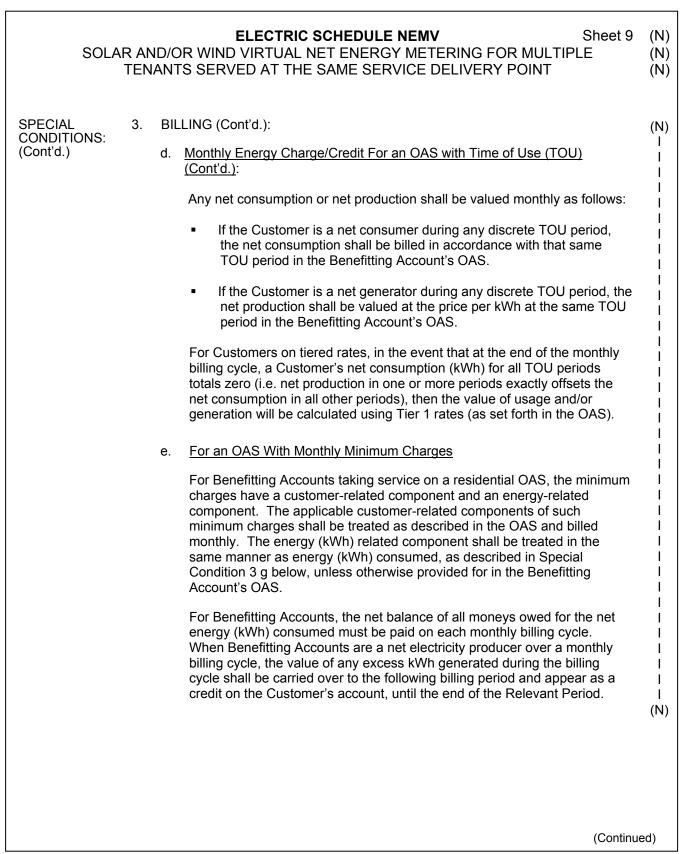
		ELECTRIC SCHEDULE NEMV Sheet 8 OR WIND VIRTUAL NET ENERGY METERING FOR MULTIPLE TS SERVED AT THE SAME SERVICE DELIVERY POINT	(N) (N) (N)
	3. BI	LLING (Cont'd.):	(N)
CONDITIONS: (Cont'd.)	C.	Monthly Energy Charge/Credit For an OAS with Baseline Rates	
		A Customer is a net consumer if the Benefitting Account's Eligible Energy Allocation percentage (A%) times the Eligible Generating Facility's output (in kWh) is less than the Customer's usage (Customer Usage), and its net consumption in kWh is equal to: Customer usage – (A% x Eligible Generating Facility's output) = net consumption	
		Otherwise the Benefitting Account is a net producer and its net production in KWh is equal to:	
		(A% x Eligible Generating Facility's output) – Customer Usage = net production	
		If the Customer is a net consumer, the Benefitting Account will be billed for its net consumption in accordance with the Benefitting Account's OAS.	
		If the Customer is a net generator, the net production shall be valued at the rate for the kWh up to the baseline quantity, if applicable, with any excess kWh generated, valued at the rate for the appropriate tier level in which the equivalent kWh of usage would fall in accordance with the Benefitting Account's OAS.	
	d.	Monthly Energy Charge/Credit For an OAS with Time of Use (TOU)	I
		A Customer is a net consumer for a discrete TOU period if the Benefitting Account's Eligible Energy Allocation Percentage (A%) times the Eligible Generating Facility's output (in kWh) for that TOU period (TOU Eligible Generating Facility's output) is less than the Customer's usage (Customer TOU usage) for the TOU period, and its net consumption in kWh is equal to:	
		Customer TOU usage – (A% x Eligible Generating Facility's output) = net consumption	
		Otherwise the Customer is a net producer and its net production in KWh is equal to:	
		(A% x TOU Eligible Generating Facility's output) – Customer TOU usage = net production	 (N)
		(Continu	od)

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(Continued) September 12, 2011



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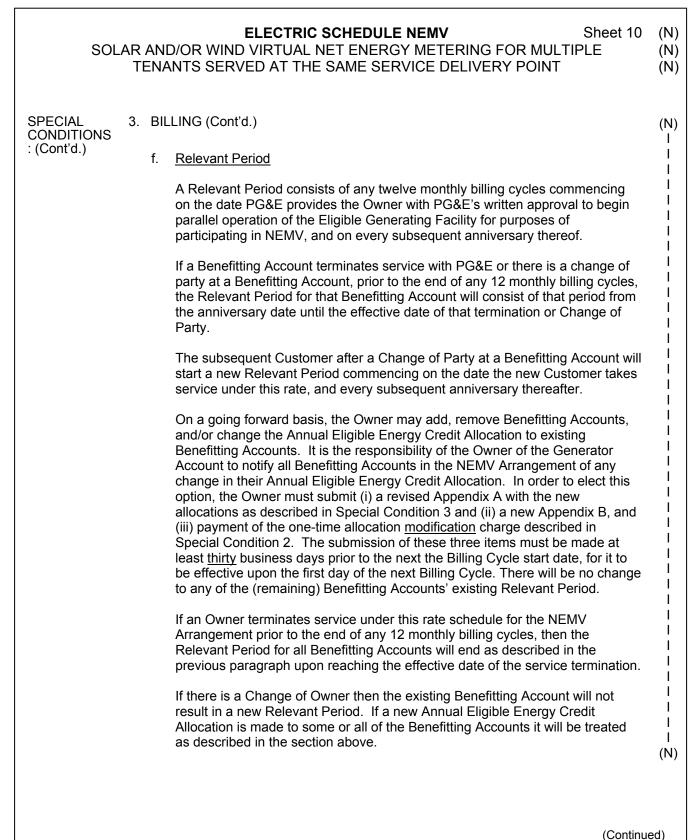


Advice Letter No:

3902-Е 11-07-031 Date Filed Effective Resolution No.



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Advice Letter No: 3902-E Decision No. 11-07-031 Date Filed Effective Resolution No.



3.

SPECIAL

CONDITIONS: (Cont'd.)

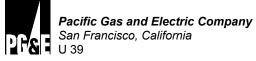
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ELECTRIC SCHEDULE NEMV Sheet 11 (N) SOLAR AND/OR WIND VIRTUAL NET ENERGY METERING FOR MULTIPLE (N) TENANTS SERVED AT THE SAME SERVICE DELIVERY POINT (N) BILLING (Cont'd.): (N) g. Relevant Period True Up A true up is performed by PG&E at the end of each Relevant Period for each Benefitting Account. Where the residential minimum bill applies at the true up for a Bundled Service Benefitting Account, no further amounts will be billed to that Customer as a result of the true up. If a Benefitting Account's Relevant Period ends under any of the circumstances described in 3.f above: a) The Customer will pay all charges owed at that time; b) No payments shall be made for credits remaining after the true-up; However, in the event the Benefitting Account's allocation of energy (kWh), generated at the associated Generator Account and fed back to the electric grid, exceeds the energy (kWh) consumed during the Relevant Period, compensation shall be made for the excess energy (kWh) as described in Special Condition 5. h. Billing Information PG&E shall provide each Benefitting Account with its net energy (kWh) consumption information with each regular bill. That information shall include the current monetary balance owed PG&E for the net energy (kWh) consumed since the start of the current Relevant Period. i. OAS Payment Option Eligible Small Customer (as defined in Rule 1) 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 Customer is a net electricity producer over a monthly billing cycle, the value of any excess kilowatthours generated during the billing cycle shall be carried over to the following billing period and appear as a credit on the Customer's account, until the end of the Relevant Period. (N)

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	SOLA		ND/OR WIND VIR	CTRIC SCHEDULE NEMV Sheet 12 IUAL NET ENERGY METERING FOR MULTIPLE IT THE SAME SERVICE DELIVERY POINT	(N) (N) (N)
SPECIAL CONDITIO (Cont'd.)		4.	Facilities, the Own interconnection ag Interconnection Co pay all interconnect	ON: approval for Parallel Operation of the Eligible Generating er must submit a completed PG&E application form and reement as follows: osts: The Owner or Operator of the Eligible Generator must ction costs required under Rule 21, including but not limited to g, conduit, and other facility costs that are needed.	(N)
			Facility Type For a NEMV Arrangement	Form NEMV Application and Interconnection Agreement for an Eligible Generating Facility of 1 Megawatt or Less Serving Multiple Tenants Served at a Single Service Delivery Point. (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.	 (N)

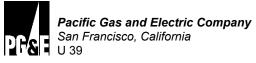
Advice Letter No: 3902-E Decision No. 11-07-031 Date Filed Effective Resolution No. (Continued) September 12, 2011



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			(Continued)
			(Operations of)
		The effective date for a Net Surplus Generator Benefitting Account to be eligible to receive NSC on a NEMV Benefitting Account's tru be at the end of its first and every subsequent Reconciliation Period the NEMV tariff following January 1, 2011.	e-up will I
	(a)	NSC Applicability – All bundled Net Surplus Generators that satisf conditions in the Applicability Section of this tariff and take service this rate schedule are eligible to receive NSC if they have a true-u following, the effective date below.	under I
CONDITIONS: (Cont'd.)	Pu est Ele Cu Sp coi Ele oth	TSURPLUS ELECTRICITY COMPENSATION (NSC): rsuant to P.U. Code Section 2827 (h)(4)(A), this Special Condition v tablished to provide a NEMV Benefitting Account having Net Surplu ectricity, (defined as all electricity generated by an eligible Benefittin stomer measured in kilowatt-hours over a Relevant Period – as def ecial Condition 3(f) of this tariff – that exceeds the amount of electri nsumed by that eligible Benefitting Account Customer), with Net Su ectricity Compensation (NSC) for the Net Surplus Electricity, while le her ratepayers unaffected. A NEMV Benefitting Account Customer w it Surplus Electricity will be known as a Net Surplus Generator.	was I s I g Account I ined in I city I rplus I eaving I
SPECIAL	5. NE	ET SURPLUS ELECTRICITY COMPENSATION (NSC):	(N)
SOLA	-	ELECTRIC SCHEDULE NEMV DR WIND VIRTUAL NET ENERGY METERING FOR MULTIF TS SERVED AT THE SAME SERVICE DELIVERY POINT	Sheet 13 (N) PLE (N) (N)

Vice President Regulation and Rates Resolution No.



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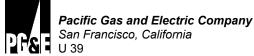
SOL		ELECTRIC SCHEDULE NEMV OR WIND VIRTUAL NET ENERGY METEI IS SERVED AT THE SAME SERVICE DE		(N) (N) (N)
SPECIAL CONDITIONS:	5. NE ⁻	SURPLUS ELECTRICITY COMPENSATION	I (NSC) (Cont'd):	(N) I
(Cont'd.)	(b)	The NSC Rate – The NSC Rate is defined as PG&E's default load aggregation point (DLAF for a 12-month period. PG&E shall use the N electricity portion of its net surplus compensations)	P) price from 7 a.m. to 5 p.m., ISC Rate as the value of the	
		PG&E will calculate the NSC Rate each mon first day of that month and PG&E will use it ir Net Surplus Generators with a Relevant Peri (True-Up Month).	n the NSC Calculation for any	
		The DLAP Cutoff Date will be defined as the month prior to the True-Up Month.	e twentieth (20th) day of the	
		PG&E will wait five (5) days after the DLAP C have time to finalize the day-ahead PG&E DI then be calculated as the simple average of t 7 a.m. and 5 p.m. over a one (1) year period Date.	LAP prices. The NSC Rate will the prices for all hours between	
	(C)	Pursuant to D. 11-06-016, PG&E will modify Renewable Attribute Adder (RAA) once the Commission (CEC) determines the implement	e California Energy	
	(d)	Calculation of the NSC – NSC is calculated be Electricity (kWh) by the NSC Rate in (b) above		
				(N)
Advice Letter No:	3902-E	Issued by	(Contin Date Filed September	



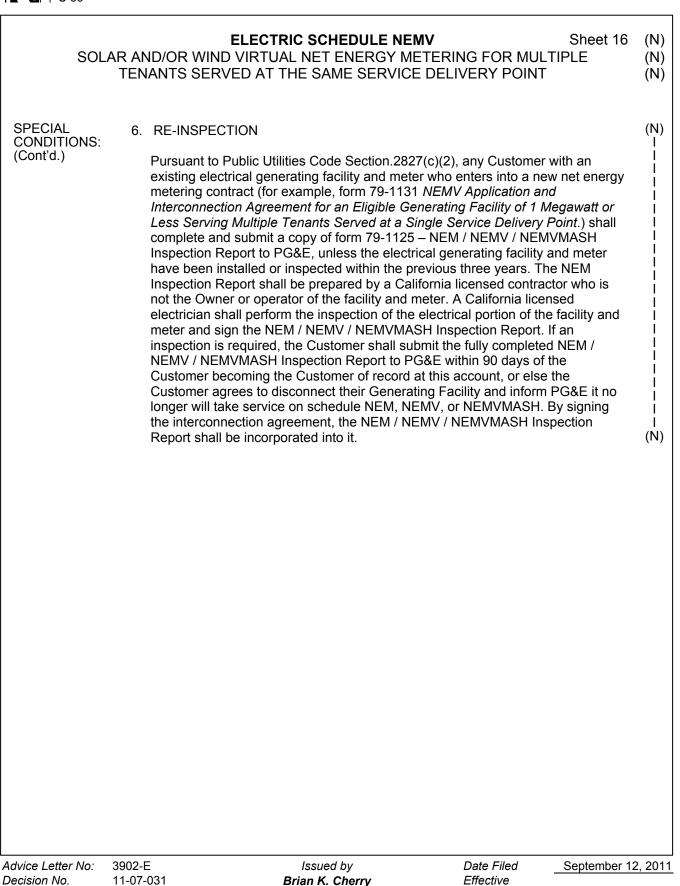
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Advice Letter No: Decision No.	3902-Е 11-07-031	Issued by Brian K. Cherry	Date Filed Effective	September 12	2, 2011
				(Continue	-
		the Benefitting Account Customers' own that are sized larger than the electrical in NEMV and therefore, are not eligible for	n electrical requirements requirements are not elig	. Systems	 (N)
	(g)	Generator Size – Nothing in this Specia system sizing requirement. Specifically, Generator Account system must be inter	in order to be eligible fo	r NSC, the	
		Qualifying Facilities in order to receive serving all NEMV Customer-generator a qualifying facility exempt from certific Regulatory Commission (FERC), no fu this time.	NSC. Since the Genera s currently meet the requ cation filing at the Federa	tor Accounts uirements for al Energy	
	(f)	QF Status – Customers receiving net s demonstrate to PG&E that the Genera their generation allocation as described	tor Account from which t	hey receive	
		(3) elect not to receive any NSC by contract 1130 (Customer Request Form not Compensation) to PG&E to confir participate. In this case PG&E will Customer may be otherwise eligited.	ot to Receive Net Surplu m that they do not want I zero out any NSC the N	s to	
		(2) request that PG&E issue a check greater than one dollar (\$1). A Cu calling PG&E, If the Customer is of PG&E will automatically send a cl	istomer can select this o closing all their accounts	ption by	
		 take no action and roll any remain subsequent PG&E charges; or 	ning NSC amounts forwa	ard to offset	
(Conťd.)	(e)	Options for receiving NSC – A NEMV have their NSC applied to any amount choose to:			
SPECIAL CONDITIONS:	5. NE	SURPLUS ELECTRICITY COMPENS	ATION (NSC) (Cont'd.):		(N)
SOI		ELECTRIC SCHEDULE NI OR WIND VIRTUAL NET ENERGY N IS SERVED AT THE SAME SERVIO	METERING FOR MUL	Sheet 15 TIPLE	(N) (N) (N)

Effective Resolution No.



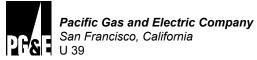
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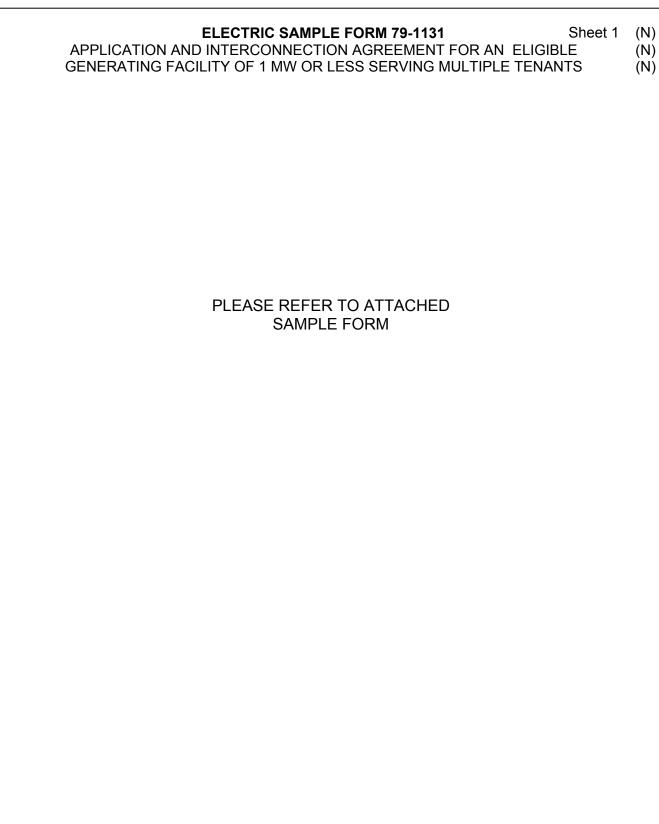
Vice President

Regulation and Rates

Resolution No.



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Date Filed Effective Resolution No.

Pacific Gas and Electric Company®



Application and Interconnection Agreement for an Eligible Generating Facility of 1 Megawatt or Less Serving Multiple Tenants Served at a Single Service Delivery Point

Please note that this agreement does not constitute an application for **rebate** and/or **incentive programs**. For more information on these programs and their specific applications, please contact PG&E by phone, or by email using the subject "solar energy" at <u>smarter-energy@pge.com</u>, 1-800-933-9555 (residential) or BusinessCustomerHelp@pge.com, 1-800-468-4743 (commercial/industrial).

For more information on the California Solar Initiative (CSI) program, please go to <u>www.pge.com/csi</u> where you will find information about the program, including the program handbook, reservation request forms with the program contract as well as a list of requirements, FAQ's and resources. For additional questions about the California Solar Initiative (CSI), contact PG&E at <u>solar@pge.com</u>.

Project Identification Number _____(for PG&E's use only)

Part I – Identifying the Generating Facility's Location and Responsible Parties

A. Applicability and Purpose:

This Application and Interconnection Agreement for a Eligible Generating Facility of 1 Megawatt or Less Serving Multiple Tenants at a Single Service Delivery Point ("Agreement") applies to electric rate schedule NEMV, SOLAR AND/OR WIND VIRTUAL NET ENERGY METERING FOR MULTIPLE TENANTS SERVED AT THE SAME SERVICE DELIVERY POINT for the Owner or designated agent of the Owner ("Owner") who interconnects a a single solar photovoltaic and/or wind generating facility sized no larger than for the energy requirements of all eligible account types of the past year but with a maximum total size of no larger than one megawatt (1,000 kiloWatts) and where the wind generator if any, has a maximum size of no larger than fifty (50) kilowatts ("Eligible Generating Facility") that is located at a Single Delivery Point with other individually metered PG&E Benefitting Accounts the will be allocated the benefits of the Eligible Generating Facility as described in NEMV, that meets all the applicability requirements in Schedule NEMV., and that operates in parallel with Pacific Gas and Electric Company's ("PG&E") Distribution System.

The purpose of this Agreement is to allow the Owner to interconnect the Eligible Generating facility with PG&E's Distribution System, subject to the provisions of this Agreement and PG&E's rate schedule NEMV. Owner has elected to interconnect and operate its Eligible Generating Facility in parallel with PG&E's Distribution System, primarily to offset part or all of the NEMV Arrangement's own electrical requirements of the Benefitting Accounts at the affiliated service delivery point as listed in Appendix A. Owner shall comply at all times with this Agreement as well as with all applicable laws, tariffs and applicable requirements of the Public Utilities Commission of the State of California.

B. Description of Service (This Agreement is being filed for, check all that apply):

A New NEMV Eligible Generating Facility interconnection (at an existing service)

For Physical/Electrical Changes to an interconnected NEMV Eligible Generating Facility with previous approval by PG&E (adding PV panels, changing inverters, or changing load and/or operations).

A New NEMV interconnection in conjunction with a new service. An **Application for Service** must be completed. Additional fees may be required if a service or line extension is required (in accordance with PG&E Electric Rules 15 and 16). Please contact PG&E at 1-800-PGE-5000 (or 1-800-743-5000).

A Reallocation of Eligible Energy Generation Credits under NEMV for an Existing Eligible Generating Facility (see Appendix A). For a reallocation, Owner only needs to fill out Part I, sign Part IV, and complete Appendix A with the reallocation for the NEMV accounts.

Special Condition 7 of Schedule NEMV requires that any Customer with an existing generating facility and meter who enters into a new NEMV agreement shall complete and submit a copy of form 79-1125 *NEM / NEMV / NEMVMASH Inspection Report* to PG&E, unless the electrical generating facility and meter have been installed and/or inspected within the previous three years.

C. Owner's Eligible Generatin	g Facility Information - Wher	e will the Generation	ng Facility be	installed?		
	Name shown on Owner's P (Must Match Owner's Name					
	Street Add	lress				
Cit	Ŋ	Stat	te	Zip		
	Mailing Add	dress				
Cit	.y	Stat	te	Zip		
Business Phone	Home Phone	Fax	x	Email		
D. Contractor Information (Mus	st be completed even if Contra	ctor will not serve a	as a PG&E co	ntact).		
	•			,,,,,,,,		
Contract	tor		Company N	lame		
	Mailing Add	dress		2		
Cit	<u>y</u>	Stat	te	Zip		
	—			- "		
Business Phone	Fax	is sutharized by	Owner to ro	Email		
	used as PG&E contact and half of Owner with respect to thi					
E. Other Contact Information (This information is optional.)					
,						
Contact Pe	erson		Company N	lame		
Mailing Address						
Cit	. y	Stat	te	Zip		
Business Phone	Fax			Email		
	be used as PG&E contact an half of Owner with respect to thi		y Owner to re	eceive confidential Owner		

By checking the boxes above and signing this agreement, Owner authorizes PG&E to release information to the contact(s) named above regarding Owner's usage and billing information, Eligible Generating Facility location, size and operational characteristics as requested in the course of this interconnection process. PG&E is granted permission to share information with authorized recipients for a period of **two years** from the date this agreement is received by PG&E. Contact(s) are also authorized to make changes to rates and metering arrangements which may result in charges to Owner. Should Owner wish to select a different authoriziaton period, Owner may utilize the "Authorization to Received Customer Information or Act on a Customr's Behalf", which may be found at:

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

In addition, Owner authorizes PG&E to release to the California Energy Commission (CEC) information regarding Owner's facility, including Owner's name and Eligible Generating Facility location, size, and operational characteristics, as requested from time to time pursuant to the CEC's rules and regulations.

Part II – Requirements for Interconnection

In submitting this document, I the Owner, understand and agree to the following terms and conditions:

Permission to Interconnect

Owner must not operate their Eligible Generating Facility in parallel with PG&E's Distribution System until they receive written authorization for Parallel Operation from PG&E. Unauthorized Parallel Operation could result in injury to persons and/or damage to equipment and/or property for which the Owner may be liable.

Safe Operation of the Eligible Generating Facility

Notwithstanding any other provision of this Agreement, if at any time PG&E determines that either (a) the Owner's Facility, or its operation, may endanger PG&E personnel, or (b) the continued operation of the Owner's Facility may endanger the safe and reliable operation of PG&E's electrical system, PG&E shall have the right to disconnect the Facility from PG&E's system. Owner's Facility shall remain disconnected until such time as PG&E is satisfied that the unsafe condition(s) have been corrected.

Interconnections on PG&E's Secondary Network

Applications to interconnect systems located in San Francisco or Oakland may require additional analysis to determine whether or not their proposed installation is on PG&E's networked secondary system. Networked secondary systems are in place to provide heightened levels of reliability in densely populated areas and may affect the ability of PG&E to interconnect NEMV Owner's Eligible Generating Facility. <u>Please contact Generation Interconnection Services at 415-972-5676 or email gen@pge.com if your proposed installation is in San Francisco where the zip code is 94102, 94103, 94104, 94105, 94107, 94108, 94109, 94111 or 94133 or in Oakland and where the zip code is 94607 or 94612.</u>

Meter access

Owner's generator output meter and the AC disconnect switch must be installed in a safe, PG&E-accessible location and remain unobstructed by locked gates or pets. Additionally, meter and AC disconnect switch access must be maintained at all times for meter reading and system maintenance. Any animals owned by the Owner or Multifamily residents, including pet dogs, should not have access to these areas to avoid hindering PG&E service personnel, preventing them from completing their work. Customers who currently have generator meters inaccessible from the outside of the building and who choose to place their generator AC disconnect switch near their meter, must place the required generator AC disconnect switch in a location readily accessible to PG&E in order to participate in this program. Should future access problems arise, PG&E reserves the right to terminate service, in accordance with its filed tariffs.

Document and Fee Requirements

Other Documents and/or Fees *may* be required and there may be requirements for interconnection in addition to the above list, depending on the specifics of the planned Eligible Generating Facility. Other approvals and/or other agreements may be needed for special PG&E programs or regulatory agency requirements.

Stale Agreements

If this agreement is still pending two years from its date of submittal and Owner has not met all of the requirements, PG&E will close this application and Owner will be required to submit a new application should Owner wish to take service on Schedule NEMV.

A. Agreement Package:

These documents are needed to ensure safe and reliable operation of PG&E's Distribution System and to confirm that Owner's interconnection has been performed in accordance with PG&E's tariffs. (Additional forms are available upon request by telephoning 415-972-5676, emailing gen@pge.com, or visiting PG&E's website at <u>www.pge.com/standardnem</u>). **Owners should not delay sending any part of the agreement package to PG&E.** As PG&E receives the documentation described in Sections (1) through (5) below, PG&E will begin to process the application.

Required Documents for New Applicants:

- A completed copy of this Agreement, including completed Appendices A and B. Please note: the Owner's name (as identified in Part I, Section C) must be the same name as on the PG&E bill. In this Agreement, Owner will confirm their otherwise-applicable rate schedule (OAS) for all Benefitting accounts in Owner's name as listed in Appendix A Owners who don't specify an OAS for their Benefitting accounts will be defaulted to Rate Schedule E-1, for residential accounts, A1 for general service accounts (unless required to be on a mandatory rate schedule such a E19 or E20), and AG-1 for agricultural rates when establishing how Owner's Benefitting Account's monthly usage or net generation will be charged/credited. Owner's-initiated rate changes are governed in accordance with PG&E's Electric Rule 12.
- 2. A **single-line diagram** showing Owner's actual installation of his/her Eligible Generating Facility. The diagram must include the electrical rating and operating voltages of the significant electrical components such as the service panel, the disconnect switch (if required), inverters, all photovoltaic generators, circuit breakers and other protective devices of the Eligible Generating Facility, the general location of the Owner's loads relative to the Eligible Generating Facility, and the interconnection with PG&E's Distribution System. The diagram must include the following information:
 - a. A description and location of the visible, lockable AC disconnect switch.

PG&E requires an Owner to install an AC disconnect switch to facilitate maintenance of the Owner's equipment (i.e. inverter, PV arrays, etc). The AC disconnect switch provides PG&E the ability to isolate the Owner's generator from the NEMV Eligible Eligible Generating Facility and utility's Distribution System.

- b. A description of the specific **inverter**(s) used to control the interconnection between PG&E and the Eligible Generating Facility, including rating, brand name, and model number. Only CEC-certified inverters¹ will pass the requirements for Simplified Interconnection per PG&E's Electric Rule 21. Non-certified units will require further study and may involve additional costs.
- c. A complete description of the **generating equipment Owner plans to install**. The description must include the photovoltaic panel manufacturer name, model number, number of panels, and the nameplate rating. As with the inverters, only CEC-certified will pass the requirements for Simplified Interconnection. (See the PG&E website <u>www.pge.com/gen</u> or the CEC website in footnote 1 below.)
- d. A description of how the power output from the inverter is connected to the **main service panel via a branch breaker**. The ampere rating of this branch breaker and the main service panel breaker must be compatible with the output rating of the Generating Facility. The output rating is computed based on the total nameplate rating of the inverter.
- e. PG&E requires **a generation output meter.** The description must include the meter manufacturer, model number and type (socket or panel), as well as any other relevant information (e.g., socket, panels, breakers, etc.). If instrument transformers are required, the description should include this information.
- 3. Site Diagram The site diagram must show the building or buildings at the same Service Delivery Point that will be included as part of the NEMV Arrangement that meets the single Service Delivery Point requirement in the Applicability Section of NEMV, the meter locations, and denote where the Eligible Generating Facility will be located and interconnected.
- 4. Information regarding any existing **insurance coverage** (liability and/or property) for the Schedule NEMV Generating Facility location:

Owner shall meet all applicable safety and performance standards established by the National Electrical Code, the Institute of Electrical and Electronics Engineers, accredited testing laboratories such as Underwriters Laboratories and, where applicable, rules of the California Public Utilities Commission regarding safety and reliability. An Owner with a Eligible Generating Facility that meets those standards and rules shall not be required to install additional controls, perform or pay for additional tests, or purchase additional liability insurance.

To the extent that Owner has currently in force property insurance and commercial general liability or personal liability insurance, Owner agrees that it will maintain such insurance in force for the duration of this Agreement in no less amounts than those currently in effect. Pacific Gas and Electric Company shall have the right to inspect or obtain a copy of the original policy or policies of insurance prior to commencing operation. As long as Owner meets the requirements of this section, Owner shall not be required to purchase any additional liability insurance.

¹ The CEC's eligible equipment list can be found under the CSI heading at: www.consumerenergycenter.org/erprebate/equipment.html

I have insurance. I hereby certify that there is presently insurance coverage in the amount of \$______ for the Schedule NEMV Generating Facility location.

Insuring Company's Name:	
Insurance Policy #	

- □ I do not have insurance. I hereby certify that there is presently \$0 (zero) dollars of insurance for the Schedule NEMV Generating Facility location
- 5. A copy of the **final, signed, jurisdictional approval (building permit) for Owner's Generating Facility** from the local government entity with jurisdiction over the Owner's project. **Owner's agreement package will not be complete until PG&E receives this document.**
- 6. Schedule NEMV may include charges where applicable, including but not limited to that in Special Condition 1a. (metering) and 2. (one-time set-up or modification charges, assessment charges).

B. Internet Agreement Forms

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

Part III – General Facility					
A. Expected date of Project Completion and PG&E R	eceipt of Final, Signed-Off	Building Permit for Generating Facility?			
Date:	· ·				
B. Are there any other generators interconnected on	this account?				
Yes					
If yes, specify what kind of generator					
D No					
C. Are there any possible generator meter access iss	sues?				
Yes If yes, check all that apply:					
Locked Room/Gate	(e of facility/residence			
Unrestrained animal at meter or AC Unrestrained animal at meter or AC Unrestrained animal at meter or AC					
disconnect switch location					
U No					
D. Are any of your accounts on a Demand Response	program?				
D. Ale any of your accounts on a Demand Response program? Yes					
If yes, what program are you on?					
□ No.					
(NEMV Benefitting Accounts may not participate in any PG&E electric demand response programs.					
For more information on PG&E's demand response programs see: www.pge.com/demandresponse)					
Part IV – Description of the Generating Facilities Use additional sheets, if necessary.					
A. AC Disconnect Switch (see Part II, Section A.2.a above for policy on disconnect switches)					
List the AC disconnect switch that will be used at this Generating Facility.					
Disconnect Switch Manufacturer Disconnect Sw	witch Model Number	Disconnect Switch Rating (amps)			

B. Inverters interconnected with PG&E

List all the inverters that will be interconnected to PG&E.

Owners with non-standard inverters which do not meet the UL and IEEE requirements specified in Electric Rule 21, or Owners whose aggregate Generating Facility capacity exceeds 15% of the peak load on the distribution line section as described in Electric Rule 21 (Section I.6.) require a **Supplemental Review** which may entail a study, additional equipment, and/or other requirements.

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

C. Photovoltaic Generator Equipment

List the photovoltaic (PV) panel information requested below. If the panels are not all identical modules, list the total capacity connected to each inverter you listed above. (Please attach additional sheets if more space is needed.)

No.	PV Panel Manufacturer	PV Panel Model	PV Panel CEC Rating kW (per unit)	Quantity of PV Panels	Total Capacity ³ (kW)	Inverter number from (B.) above (1 or 2)
1						
2						

D. Wind Turbine Equipment (if applicable)

List the wind turbine information requested below. If there is more than one wind turbine of the same type, list the total capacity connected to each inverter you listed in B) above. Write NONE if the inverter is incorporated in the wind turbine and no inverter is required.

No.	Wind Turbine Manufacturer	Wind Turbine Model	Wind Turbine Nameplate Rating kW (per unit) ⁴	Wind Turbine CEC Rating (kW) per unit	Quantity of Wind Turbines	Total Capacity (kW) ⁵	Turbine Output Voltage	Single or Three Phase	Inverter number from (B) above (1 or 2)
1									

E. Service Panel Short Circuit Interrupting Rating

For systems larger than 10 kW, what is the short circuit interrupting rating (SCIR) rating of the service panel connected to this generating facility?

F. Notices - Mailing Instructions and Assistance:

When this agreement has been completed it should be mailed, along with the required attachments and any applicable fees, to:

² The inverter rating equals the nameplate rating, in kW. If there is more than one inverter of one type being installed, the inverter rating equals the nameplate rating of one unit of the model being installed.

³ The total capacity is the PV panel rating times the quantity.

⁴ For all generation equipment ratings, please use the nameplate rating found on the equipment or in the equipment specifications.

⁵ The total capacity is the pv panel (or wind turbine) rating times the quantity.

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

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

G. Governing Law

This Agreement shall be interpreted, governed, and construed under the laws of the State of California as if executed and to be performed wholly within the State of California.

H. Term of Agreement

After receipt of all applicable fees, required documents, and this completed Agreement, this Agreement shall become effective on the date of PG&E issues the permission to operate letter. This Agreement shall continue in full force and effect until terminated by either Party providing 30-days prior written notice to the other Party, or when a new Owner takes service with PG&E operating this approved generating facility. This new Owner will be interconnected subject to the terms and conditions as set forth in Schedule NEMV.

I. Governing Authority

This contract shall at all times be subject to such changes or modification by the Public Utilities Commission of the State of California as said Commission may, from time to time, direct in the exercise of its jurisdiction.

J. Appendix A and Appendix B

Attached to this agreement is Appendix A - Designation of NEMV Generating Account and Benefitting Accounts and their respective Eligible Energy Credit Allocation and Appendix B –Owner Affidavit Warranting That NEMV Arrangement Is Sized to Load.

Owner Name (Please Print):	
(Signature):	 Date:
Title:	

A copy of this signed agreement should be retained with the "Permission to Operate" letter to confirm project approval.

Appendix A – Designation of NEMV Generating Account and Benefitting Accounts and their respective Eligible Energy Credit Allocation

Project Identification Number _____(for PG&E's use only)

Section 1 Instructions

1) Complete the section below (this information must match the Owner information on the associated *Virtual Net* Energy Metering Application and Interconnection Agreement for the Building Owner of Multifamily Affordable Housing with a Eligible Generating Facility of 1 Megawatt or Less for the same NEMV Eligible Generating Facility.

Owner Name	Address	Date

 Is this an application to establishing the Annual Eligible Energy Credit Allocation for a new NEMV Arrangement or for a change to the Allocation for an existing NEMV facility, as described in either NEMV Special Condition 3 (b) or 3(f)?

This application is for an allocation for the initial, new NEMV Arrangement	
This application is for a reallocation for an existing NEMV Arrangement:	

3) Please use the attached Appendix A Section 2 page to list all Benefitting Accounts in the Arrangement that will be taking service on NEMV. The Benefitting Accounts must be associated with the same Generator Account and all must satisfy the applicable Service Delivery Point requirements in the NEMV Applicability Section to be Eligible for Schedule NEMV.

Please note for each row:

- Account Type required the Generator Account row should be completed for the pertinent information for each column indicated; the Benefitting Account rows should be complete for the pertinent information for each column indicated. If there are more Benefitting Accounts than will fit on one page please use additional sheets as required and number pages accordingly.
- Account Address required -- Provide an address, including unit / apartment number, for all Accounts (for the Generator Account you may use the street address of the building upon which the generator will be installed).
- **Occupant's / Owner's Name** required For the Generator Account enter the Owner's name; for all Benefitting accounts enter the name of the occupant or PG&E customer name for that location.
- **PG&E Meter Number** required Enter the PG&E Meter Numbers for the all benefitting accounts.
- **Otherwise Applicable Rate Schedule** required -- Enter the PG&E Otherwise Applicable Rate Schedule (OAS) for the Generator Account and all Benefitting Accounts.
- Eligible Allocation Percentage required -- For each Benefitting Account listed, enter the Eligible Allocation Percentage to two decimal places. The Eligible Energy Allocation Percentage for each Benefitting Account should be established so that the annual kilowatt hours allocated offsets no more than part or all of the customer's own annual electrical requirements. The total of all Benefitting Account Eligible Allocation Percentages in Appendix A for this NEMV Arrangement must equal exactly 100%.

If Owner is changing the Eligible Allocation Percentage on an existing NEMV Arrangement, please list all allocations to confirm they add up to 100% and **circle** the changed allocations.

• Appendix A, Section 2 Page Numbers – In the space provided on the bottom of each page, please mark the page number and total number of pages for your Appendix A, Section 2 Account List. (Start with Page 1 and do not count the page numbers for this instruction page.) Also indicate on one of the pages if the allocation is for a new Arrangement, or an existing Arrangement.

Account Type	Account Address (required field) (for Generator Account use street address for building with generator account)	Occupant's Name, (Required field) (Generator Accounts should be under the Owner's Name Please use name listed on PG&E Account bill)	PG&E Meter Number (Required field)	Otherwise Applicable Rate Schedule (Required field)	Eligible Allocation Percentage (required – to 2 decima places. The sum of all Benefitting Account Allocation must total 100%. For changes to Existing NEMV Arrangements, list all percentages but circle all changed percentages)
Generator Account					
Benefitting Accounts					
1					
2					
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					
13 14					
14					
15					
10					

Project Identification Number ______ (for PG&E's use only) Account List - Appendix A Section 2 Page _____ of _____ Is this a reallocation of an existing NEMV Arrangement? __ Yes ___ N

Appendix B – Owner Affidavit Warranting That NEMV Arrangement Is Sized to Load

Project Identification Number

(for PG&E's use only)

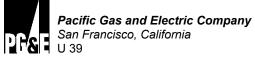
Address of Generator

In accordance with Schedule NEMV, I, Owner warrant that:

- 1) the Generator Account associated with this NEMV agreement is sized to offset no more than part or all of the annual usage (kWh) requirements of all the Benefitting Accounts in this NEMV Arrangement, and
- 2) the Eligible Allocation Percentage established for <u>each</u> Benefitting Account in Appendix A is sized to offset no more than part or all or the annual usage (kWh) requirement for that specific Benefitting Account.

Signed, ______, Owner, on date: _____

Owner's Name (printed) _____



Cancelling	Rev

Revised

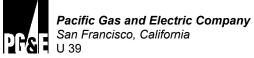
Revised

30600-Е 30511-Е

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	(Continue	ed)

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Date Filed Effective Resolution No.



Revised Revised Cancelling

Cal. P.U.C. Sheet No. Cal. P.U.C. Sheet No. 30601-E 30171-E

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NEMVNMA	Net Energy Metering – Virtual Net Energy Metering	
E-ERA E-OBF	Energy Rate Adjustments	0019,30020,30021,30022-E

(N) (N)

(Continued)

September 12, 2011

Date Filed Effective Resolution No.

6S10



Pacific Gas and Electric Company San Francisco, California U 39

Revised Cancelling Original

Cal. P.U.C. Sheet No. Cal. P.U.C. Sheet No.

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79-978	Interconnection Agreement for Net Energy Metering of Solar or Wind Electric Genera Facilities 1,000 Kilowatts or less, other than Residential or Small Commercial Facili of 10 kW or Less.	ting ties
79-994	Interconnection Application for Net Energy Metering (E-NET) for Residential or Small Commercial Customers with Solar or Wind Generating Facilities of 10 Kilowatts	
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79-1114	NEM 2010 Early True-up Request Form	
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79-1131	Application and Interconnection Agreement for an Eligible Generating Facility of 1 Me Serving Multiple Tenants Served at a Single Service Delivery Point	
		(Continued)

Advice Letter No: Decision No.

3902-E

11-07-031

Issued by Brian K. Cherry Vice President Regulation and Rates Date Filed Effective Resolution No.

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

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