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October 1, 2013

Advice 4293-E  
(Pacific Gas and Electric Company) D U 39 E)

Public Utilities Commission of the State of California

Subject: Calculation of the 2013 Net Energy Metering Cap for Electric Rate Schedules NEM, NEMVMASH and NEMV pursuant to Ordering Paragraph 3 of Decision 12-05-036 and Assigned Commissioner's Ruling

Purpose

As required by Ordering Paragraph (OP) 3 of Decision (D.) 12-05-036<sup>1</sup> a subsequent clarifying Assigned Commissioner's Ruling (Ruling),<sup>2</sup> Pacific Gas and Electric Company (PG&E) submits the 2013 calculations for its net energy metering (NEM) cap delimiting the customer generating capacity that may take service under PG&E's net energy metering Rate Schedules (i) NEM Net Energy Metering Service (ii) NEMVMASH Virtual Net Energy Metering For Multifamily Affordable Housing (MASH/NSHP) With Solar Generator(s) and (iii) NEM Virtual Net Energy Metering For A Multi-Tenant or Multi-Meter Property Served At The Same Service Delivery Point .

Background

The NEM Cap is currently set at 5% of aggregate customer peak demand<sup>3</sup>. On May 24, 2013, the Commission issued D.12-05-036 clarifying that aggregate customer peak demand means the aggregation, or sum of individual customers' peak demand, referred to as the non-coincident peak demand.

D.12-05-036 also required PG&E<sup>4</sup> to file an advice letter with revised net energy metering tariffs to conform to OP 1 and to the instructions by the assigned Commissioner on the methodology for calculating non-coincident aggregate customer peak demand in OP 3. As required by that decision, the Energy Division held a

<sup>1</sup> D.12-05-036 [http://docs.cpuc.ca.gov/PublishedDocs/WORD\\_PDF/FINAL\\_DECISION/167591.PDF](http://docs.cpuc.ca.gov/PublishedDocs/WORD_PDF/FINAL_DECISION/167591.PDF)

<sup>2</sup> Assigned Commissioner's Ruling Providing Instructions on Calculation of Non-Coincident Aggregate Customer Peak Demand Pursuant to Ordering Paragraph 3 of Decision 12-05-036 <http://docs.cpuc.ca.gov/PublishedDocs/Efile/G000/M027/K113/27113341.PDF>

<sup>3</sup> AB 510 signed by the Governor on February 26, 2010, and effective January 1, 2011, adopted the 5% cap. ([http://www.leginfo.ca.gov/pub/09-10/bill/asm/ab\\_0501-050/ab\\_510\\_bill\\_20100226\\_chaptered.html](http://www.leginfo.ca.gov/pub/09-10/bill/asm/ab_0501-050/ab_510_bill_20100226_chaptered.html)). PG&E modified its NEM tariff in AL 3778-E to include the new 5% cap.

<sup>4</sup> Along with Southern California Edison Company, and San Diego Gas and Electric Company.

workshop to discuss methods for estimating non-coincident aggregate customer peak demand. On September 4, 2012, Commissioner Michael Peevey issued a Ruling<sup>5</sup> instructing the utilities on the methodology to be used for calculating the non-coincident aggregate customer peak demand. PG&E submitted Advice Letter (AL) 4122-E on October 4, 2012, and it became effective November 3, 2012 establishing the 2012 NEM Cap.

This Advice Letter repeats the calculation from AL 4122-E using the data for determining the 2013 NEM Cap.

#### Methodology for Calculating Non-Coincident Aggregate Customer Peak Demand

Based on the Ruling, when calculating the non-coincident aggregate peak demand, PG&E is required to:

- Use load research data to calculate non-coincident aggregate peak demand;
- Use a four-year moving average based on annual load research data;
- Update the NEMCap calculation annually by October 1. However, if the non-coincident aggregate peak demand decreases in a given year, the NEMCap will remain at the previously determined level and may not decrease below the most recent level determined;
- Use 15- or 30-minute interval data for calculating the non-coincident aggregate customer peak demand when incorporating data prior to 2013 into the four-year moving average. Use 15-minute interval data for load research data when including 2013 and subsequent year's data in the four-year moving average.
- Beginning October 1, 2013, and every year thereafter, PG&Es to file an advice letter to calculate its NEMCap based on the four year average of the most recently available annual non-coincident peak load data, which for 2013 will consist of 2008-2011 non-coincident peak demand data.

#### Calculation of the 2013 NEM Cap

##### A. Calculation of the 4-year Moving Average Non-coincident Aggregate Peak Demand

PG&E calculation of the average is as follows:

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<sup>5</sup> See footnote 2.

Year	Annual Non-Coincident Load (MW)
2007	47,842
2008	48,455
2009	47,845
2010	48,567
2011	46,129
2007-2010 Average	48,177
2008-2011 Average	47,749

#### B. The Non-coincident Aggregate Peak Demand did Decrease

Since this year's non-coincident aggregate peak demand of 47,749 MW decreased since last year's 48,177 MWs, the NEMCap will remain at 5% of last year's determined MW level and will not be decreased.

#### C. PG&E's NEM, NEMV and NEMVMA Site Interconnected Customer Generating Capacity as of August 31, 2013

This figure is 879.9 MWs.

#### D. The Current Progress of PG&E Towards the NEM Cap

This results in a NEMCap calculation (using last year's demand) of  $879.9 / 48,177 = 1.83\%$  which reflects the progress toward the 5% cap of aggregate customers non-coincident aggregate customer peak demand.<sup>6</sup>

<sup>6</sup> PG&E will continue to make available on its website quarterly updates to the NEMCap to reflect additional customer capacity participating in the program.  
See: <http://www.pge.com/myhome/saveenergymoney/solarenergy/nemtracking/>

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 21, 2013, which is 20 days after the date of this filing. Protests should be mailed to:

CPUC Energy Division  
ED Tariff Unit  
505 Van Ness Avenue, 4<sup>th</sup> 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

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

Facsimile: (415) 973-7226  
E-mail: PGETariffs@pge.com

Any person (including individuals, groups, or organizations) may protest or respond to an advice letter. (General Order 96-B, Rule 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, Rule 3.11).

Effective Date

PG&E requests that this Tier 1 advice filing become effective upon date of filing.

Notice

In accordance with General Order 96-B, Section IV, a copy of this advice letter is being sent electronically and via U.S. mail to parties shown on the attached list and the parties on the service lists for Rulemaking (R.) 12-11-005 and R.10-05-004. Address changes to the General Order 96-B service list should be directed to PG&E's email address PGETariffs@pge.com. For changes to any other service list, please contact the Commission's Process Office at (415) 703-2021 or at Process\_Office@cpuc.ca.gov. Send all electronic approvals to PGETariffs@pge.com. Advice letter filings can also be accessed electronically at: <http://www.pge.com/tariffs>



Vice President, Regulatory Relations

Attachments

cc: Service Lists R.12-11-005 and R.10-05-004

# CALIFORNIA PUBLIC UTILITIES COMMISSION

## ADVICE LETTER FILING SUMMARY ENERGY UTILITY

MUST BE COMPLETED BY UTILITY (Attach additional pages as needed)

Company name/CPU Utility: Nd Pacific Gas and Electric Company (ID: U39 E)

Utility type:

ELC  ffi GAS

ffi PLC  ffi HEAT  ffi WATER

Contact Person: Kingsley Cheng

Phone#: (415) 973-5265

E-mail: k2c0@pge.com and PGETariffs@pge.com

EXPLANATION OF UTILITY TYPE

(Date Filed/ Received Stamp by CPUC)

ELC= Electric  
PLC= Pipeline

GAS= Gas  
HEAT = Heat

WATER= Water

Advice Letter (AL) ~~4293-E~~

Tier: 1

Subject of Calculation of the 2013 Net Energy Metering Cap for Electric Rate Schedules NEM, NEMVMA and NEMV pursuant to Ordering Paragraph 3 of Decision 12-05-036 and Assigned Commissioner's Ruling

Keywords (choose from CPU listing): Compliance

AL filing type: Monthly  Quarterly  Annual  ffi One-Time  Other \_\_\_\_\_

If AL filed in compliance with a Commission order, indicate relevant Decision D/R 12-05-036 #:

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

Summarized differences between the AL and the prior withdrawn or rejected AL: \_\_\_\_\_

Is AL requesting confidential treatment? If so, what information is the utility seeking confidential treatment for: \_\_\_\_\_

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

Name(s) and contact information of the person(s) who will provide the nondisclosure agreement and access to the confidential information: \_\_\_\_\_

Resolution Required? Yes  No

Requested effective date: October 1, 2013

No. of tariff sheets: N/A

Estimated system annual revenue effect (%): N/A

Estimated system average rate effect (%): N/A

When rates are affected by AL, include attachment in AL showing average rate effects on customer classes (residential, commercial, large C/I, agricultural, lighting).

Tariff schedules affected: N/A

Service affected and changes proposed: N/A

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 otherwise authorized by the Commission, and shall be sent to:

California Public Utilities Commission

Pacific Gas and Electric Company

Energy Division

Attn: Brian K. Cherry

ED Tariff Unit

Vice President, Regulatory Relations

505 Van Ness Ave., 4th Flr.

77 Beale Street, Mail Code B10C

San Francisco, CA 94102

P.O. Box 770000

E-mail: [EDTariffUnit@cpuc.ca.gov](mailto:EDTariffUnit@cpuc.ca.gov)

San Francisco, CA 94177

E-mail: [PGETariffs@pge.com](mailto:PGETariffs@pge.com)

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

1st Light Energy	Douglass & Liddell	OnGrid Solar
AT&T	Downey & Brand	Pacific Gas and Electric Company
Alcantar & Kahl LLP	Ellison Schneider & Harris LLP	Praxair
Anderson & Poole	G. A. Krause & Assoc.	Regulatory & Cogeneration Service, Inc.
BART	GenOn Energy Inc.	SCD Energy Solutions
Barkovich & Yap, Inc.	GenOn Energy, Inc.	SCE
Bartle Wells Associates	Goodin, MacBride, Squeri, Schlotz & Ritchie	SDG&E and SoCalGas
Braun Blasing McLaughlin, P.C.	Green Power Institute	SPURR
CENERGY POWER	Hanna & Morton	San Francisco Public Utilities Commission
California Cotton Ginners & Growers Assn	In House Energy	Seattle City Light
California Energy Commission	International Power Technology	Sempra Utilities
California Public Utilities Commission	Intestate Gas Services, Inc.	SoCalGas
California State Association of Counties	Kelly Group	Southern California Edison Company
Calpine	Linde	Spark Energy
Casner, Steve	Los Angeles Dept of Water & Power	Sun Light & Power
Center for Biological Diversity	MAC Lighting Consulting	Sunshine Design
City of Palo Alto	MRW & Associates	Tecogen, Inc.
City of San Jose	Manatt Phelps Phillips	Tiger Natural Gas, Inc.
Clean Power	Marin Energy Authority	TransCanada
Coast Economic Consulting	McKenna Long & Aldridge LLP	Utility Cost Management
Commercial Energy	McKenzie & Associates	Utility Power Solutions
County of Tehama - Department of Public Works	Modesto Irrigation District	Utility Specialists
Crossborder Energy	Morgan Stanley	Verizon
Davis Wright Tremaine LLP	NLine Energy, Inc.	Water and Energy Consulting
Day Carter Murphy	NRG Solar	Wellhead Electric Company
Defense Energy Support Center	Nexant, Inc.	Western Manufactured Housing Communities Association (WMA)
Dept of General Services	North America Power Partners	
Division of Ratepayer Advocates	Occidental Energy Marketing, Inc.	