

PUBLIC UTILITIES COMMISSION

505 VAN NESS AVENUE

SAN FRANCISCO, CA 94102-3298



March 4, 2010

Advice Letter 2145-E

Ronald van der Leeden, Director
Rates, Revenues and Tariffs
San Diego Gas and Electric
8330 Century Park Court, CP32C
San Diego, CA 92123-1548

**Subject: Revisions to SDG&E's Electric Schedules NEM (Net Energy Metering)
And VNM-A (Virtual Net Energy Metering for Multi-Family Affordable
Housing) in Compliance with Assembly Bill (AB) 920**

Dear Mr. van der Leeden:

Advice Letter 2145-E is effective February 1, 2010.

Sincerely,

A handwritten signature in blue ink, appearing to read "Julie A. Fitch".

Julie A. Fitch, Director
Energy Division



Ron van der Leeden
Rates, Revenues & Tariffs
8330 Century Park Court
San Diego, CA 92123-1548

Tel: 213-244-2009
Fax: 858.654.1788
RvanderLeeden@semprautilities.com

February 1, 2010

ADVICE LETTER 2145-E
(U 902-G)

PUBLIC UTILITIES COMMISSION OF THE STATE OF CALIFORNIA

SUBJECT: REVISIONS TO SDG&E'S ELECTRIC SCHEDULES NEM (NET ENERGY METERING) AND VNM-A (VIRTUAL NET ENERGY METERING FOR MULTI-FAMILY AFFORDABLE HOUSING) IN COMPLIANCE WITH ASSEMBLY BILL (AB) 920

San Diego Gas & Electric (SDG&E) hereby submits for filing revisions to its electric tariffs, as shown in Attachment A respectively.

PURPOSE

The purpose of this filing is to revise Electric Schedules NEM (*Net Energy Metering*), and VNM-A (*Virtual Net Energy Metering for Multifamily Affordable Housing*) in compliance with Assembly Bill (AB) 920, to allow eligible customer-generators to receive compensation for net surplus electricity generated during a 12-month period. Currently, at the end of the relevant 12-month period, any credit for excess energy is retained by the utility and net producer is not owed any compensation for the excess energy produced.

BACKGROUND

AB 920, which became law on October 11, 2009, modifies Public Utilities (PU) Code Section 2827 for net energy metering. These revisions require the ratemaking authority for the electric utility to adopt, by January 1, 2011, a net surplus electricity compensation valuation and to compensate a net surplus customer generator for net surplus electricity generated by an eligible customer-generator and delivered to the grid.

The revised Section 2827 requires the electric utility to offer a standard contract or tariff to eligible customer-generators that includes compensation for the value of the net surplus electricity. The electric utility is required, upon an affirmative election by the eligible customer-generator, to either: (1) provide net surplus electricity compensation for any net surplus electricity generated in the 12-month period, or (2) allow the eligible customer-generator to apply the net surplus electricity as a credit for kilowatt-hours subsequently supplied by the electric utility. If an eligible customer-generator declines to elect compensation for net surplus electricity, the electric utility shall retain any excess kilowatt-hours generated during the prior 12-month period.

On January 15, 2010, President Peevey of the California Public Utilities Commission issued a Ruling¹ to begin the process of establishing further details of this program to meet the January 1, 2011, statutory deadline.

TARIFF REVISIONS

SDG&E proposes to revise Electric Schedules NEM and VNM-A consistent with PU Code Section 2827 to include the option, available at the customer's election, to receive compensation for net surplus electricity.

As required, SDG&E will provide notice to all NEM customers by January 31, 2010 informing them of the changes required by AB920. The notice will inform NEM customers that they are eligible to receive net surplus electricity compensation, they must elect to receive this net surplus compensation, and that the 12-month period used for purposes of compensation commences when the electric utility receives the eligible customer-generator's election.

When the Commission adopts a net surplus electricity valuation later in 2010, SDG&E will file an additional Advice Letter to revise its tariffs accordingly and pursuant to Commission direction. At that time, SDG&E will notify NEM customers of the valuation determined by the Commission as well as their choices for compensation.

SDG&E proposes to revise Schedules NEM and VNM-A, consistent with the changes required in AB 920, by adding a special condition noting the new compensation option for net surplus electricity:

Assembly Bill 920: Pursuant to Assembly Bill 920, starting January 1, 2011, a NEM customer with "net surplus electricity" (all electricity generated by an eligible customer measured in kilowatt-hours that exceeds the amount of electricity consumed by that eligible customer over a 12-month period), will be provided with options regarding net surplus compensation, which valuation remains subject to further Commission action. Until then, NEM customers may choose to:

- (i) Begin the tracking of surplus energy at the end of the customer's current 12-month relevant period; or
- (ii) Begin the tracking of surplus energy immediately, thereby establishing a new 12-month relevant period. Under this option, SDG&E will perform the normal reconciliation of the customer's account and the new 12-month relevant period will begin on the next regularly-scheduled meter read date. Under this selection, any surplus electricity available at the time of selecting the new relevant 12-month period will be zeroed out; or
- (iii) Not receive any true-up net surplus electricity compensation by notifying SDG&E in writing that they do not wish to participate

No cost information is required for this advice filing.

This filing will not increase any rate or charge, cause the withdrawal of service, or conflict with any rate schedule or rule.

¹ <http://docs.cpuc.ca.gov/efile/RULINGS/112419.pdf>

EFFECTIVE DATE

SDG&E believes this filing is subject to Energy Division disposition and should be classified as Tier 1 (effective pending disposition) pursuant to GO 96-B. SDG&E respectfully requests that this filing become effective on the date of filing, February 1, 2010, in accordance with AB 920.

PROTEST

Anyone may protest this advice letter to the Commission. The protest must state the grounds upon which it is based, including such items as financial and service impacts, and should be submitted expeditiously. The protest must be made in writing and received within 20 days of the date this advice letter was filed with the CPUC. There is no restriction on who may file a protest. The address for mailing or delivering a protest to the Commission is:

CPUC Energy Division
Attention: Tariff Unit
505 Van Ness Avenue
San Francisco, CA 94102

Copies of the protest should also be sent via e-mail to the attention of both Honesto Gatchalian (jnj@cpuc.ca.gov) and Maria Salinas (mas@cpuc.ca.gov) of the Energy Division. A copy of the protest should also be sent via both e-mail and facsimile to the address shown below on the same date it is mailed or delivered to the Commission.

Attn: Megan Caulson
Regulatory Tariff Manager
8330 Century Park Court, Room 32C
San Diego, CA 92123-1548
Facsimile No. (858) 654-1788
E-mail: mcaulson@semprautilities.com

NOTICE

A copy of this filing has been served on the utilities and interested parties shown on the attached list, including interested parties to service list R.08-03-008 and R.08-08-009 by either providing them a copy electronically or by mailing them a copy hereof, properly stamped and addressed.

Address changes should be directed to SDG&E Tariffs by facsimile at (858) 654-1788 or by e-mail at SDG&ETariffs@semprautilities.com.

RON VAN DER LEEDEN
Director – Rates, Revenues & Tariffs

(cc list enclosed)

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. **SAN DIEGO GAS & ELECTRIC (U 902)**

Utility type:

ELC GAS
 PLC HEAT WATER

Contact Person: Megan Caulson

Phone #: (858) 654-1748

E-mail: MCaulson@SempraUtilities.com

EXPLANATION OF UTILITY TYPE

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

(Date Filed/ Received Stamp by CPUC)

Advice Letter (AL) #: 2145-E

Subject of AL: Revisions to Electric Schedules NEM (Net Energy Metering) and VNM-A (Virtual Net Energy Metering) in Compliance with Assembly Bill 920.

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

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

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

Does AL replace a withdrawn or rejected AL? If so, identify the prior AL N/A

Summarize differences between the AL and the prior withdrawn or rejected AL¹: N/A

Does AL request confidential treatment? If so, provide explanation: _____

Resolution Required? Yes No

Tier Designation: 1 2 3

Requested effective date: 2/1/2010

No. of tariff sheets: 10

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: Schedule NEM, Schedule VNM-A, Table of Contents

Service affected and changes proposed¹: N/A

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

Protests 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

Attention: Tariff Unit

505 Van Ness Ave.,

San Francisco, CA 94102

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

San Diego Gas & Electric

Attention: Megan Caulson

8330 Century Park Ct, Room 32C

San Diego, CA 92123

mcaulson@semprautilities.com

¹ Discuss in AL if more space is needed.

General Order No. 96-B
ADVICE LETTER FILING MAILING LIST

cc: (w/enclosures)

Public Utilities Commission

DRA

D. Appling
S. Cauchois
J. Greig
R. Pocta
W. Scott

Energy Division

P. Clanon
S. Gallagher
H. Gatchalian
D. Lafrenz
M. Salinas

CA. Energy Commission

F. DeLeon
R. Tavares

Alcantar & Kahl LLP

K. Harteloo

American Energy Institute

C. King

APS Energy Services

J. Schenk

BP Energy Company

J. Zaiontz

Barkovich & Yap, Inc.

B. Barkovich

Bartle Wells Associates

R. Schmidt

Braun & Blaising, P.C.

S. Blaising

California Energy Markets

S. O'Donnell
C. Sweet

California Farm Bureau Federation

K. Mills

California Wind Energy

N. Rader

CCSE

S. Freedman
J. Porter

Children's Hospital & Health Center

T. Jacoby

City of Chula Vista

M. Meacham
E. Hull

City of Poway

R. Willcox

City of San Diego

J. Cervantes
G. Lonergan
M. Valerio

Commerce Energy Group

V. Gan

Constellation New Energy

W. Chen

CP Kelco

A. Friedl

Davis Wright Tremaine, LLP

E. O'Neill
J. Pau

Dept. of General Services

H. Nanjo
M. Clark

Douglass & Liddell

D. Douglass
D. Liddell
G. Klatt

Duke Energy North America

M. Gillette

Dynegy, Inc.

J. Paul

Ellison Schneider & Harris LLP

E. Janssen

Energy Policy Initiatives Center (USD)

S. Anders

Energy Price Solutions

A. Scott

Energy Strategies, Inc.

K. Campbell
M. Scanlan

Goodin, MacBride, Squeri, Ritchie & Day

B. Cragg
J. Heather Patrick
J. Squeri

Goodrich Aerostructures Group

M. Harrington

Hanna and Morton LLP

N. Pedersen

Itsa-North America

L. Belew

J.B.S. Energy

J. Nahigian

Luce, Forward, Hamilton & Scripps LLP

J. Leslie

Manatt, Phelps & Phillips LLP

D. Huard
R. Keen

Matthew V. Brady & Associates

M. Brady

Modesto Irrigation District

C. Mayer

Morrison & Foerster LLP

P. Hanschen

MRW & Associates

D. Richardson

OnGrid Solar

Andy Black

Pacific Gas & Electric Co.

J. Clark
M. Huffman
S. Lawrie
E. Lucha

Pacific Utility Audit, Inc.

E. Kelly

R. W. Beck, Inc.

C. Elder

School Project for Utility Rate
Reduction

M. Rochman
Shute, Mihaly & Weinberger LLP

O. Armi

Solar Turbines

F. Chiang

Sutherland Asbill & Brennan LLP

K. McCrea

Southern California Edison Co.

M. Alexander
K. Cini

K. Gansecki

H. Romero

TransCanada

R. Hunter

D. White

TURN

M. Florio
M. Hawiger

UCAN

M. Shames

U.S. Dept. of the Navy

K. Davoodi

N. Furuta

L. DeLaacruz

Utility Specialists, Southwest, Inc.

D. Koser

Western Manufactured Housing

Communities Association

S. Dey

White & Case LLP

L. Cottle

Interested Parties

R.08-03-008

R.08-08-009

ATTACHMENT A
ADVICE LETTER 2145-E

Cal. P.U.C. Sheet No.	Title of Sheet	Canceling Cal. P.U.C. Sheet No.
Revised 21613-E	SCHEDULE NEM, NET ENERGY METERING, Sheet 4	Revised 21365-E
Revised 21614-E	SCHEDULE NEM, NET ENERGY METERING, Sheet 6	Revised 21367-E
Revised 21615-E	SCHEDULE NEM, NET ENERGY METERING, Sheet 7	Revised 21368-E
Revised 21616-E	SCHEDULE NEM, NET ENERGY METERING, Sheet 8	Revised 21369-E
Revised 21617-E	SCHEDULE NEM, NET ENERGY METERING, Sheet 9	Original 21370-E
Revised 21618-E	SCHEDULE VNM-A, VIRTUAL NET ENERGY METERING FOR MULTIFAMILY AFFORDABLE HOUSING, Sheet 3	Original 21145-E*
Revised 21619-E	SCHEDULE VNM-A, VIRTUAL NET METERING FOR MULTIFAMILY AFFORDABLE HOUSING, Sheet 4	Original 21146-E*
Revised 21620-E	TABLE OF CONTENTS, Sheet 1	Revised 21611-E
Revised 21621-E	TABLE OF CONTENTS, Sheet 5	Revised 21612-E
Revised 21622-E	TABLE OF CONTENTS, Sheet 6	Revised 21605-E



SCHEDULE NEM

NET ENERGY METERING

SPECIAL CONDITIONS (Continued)

3. Net Energy Metering and Billing: Eligible Wind Energy Co-Metering customer-generators, see also Special Condition 6 and facilities qualifying under multiple tariffs, see also Special Condition 7. Net energy is defined as measuring the difference between the electric energy supplied by the Utility through the electric grid to the eligible customer-generator and the electric energy generated by an eligible customer generator and fed back into the electric grid over a 12-month period (Relevant Period). At the end of each Relevant Period following the date the eligible customer-generator was first eligible for Schedule NEM, or the date of written authorization for Parallel Operation, whichever is later, and at each anniversary date thereafter, the eligible customer-generator shall be billed for net electric energy used during that period. If an eligible customer-generator terminates service under this rate schedule, or experiences a change in electric service provider prior to the end of any Relevant Period, the Utility shall reconcile the customer's consumption and production of electric energy and bill the customer as described below, as if it were the end of the normal Relevant Period.

In the event the monthly valued energy exported by the eligible customer-generator exceeds the monthly valued energy consumed by eligible customer-generator during the Relevant Period, based on the eligible customer-generator's OAS as set forth below, no payment shall be made for the excess energy delivered to the grid. If the Utility is the electric service provider, this condition may be modified where the customer has signed a contract to sell electric energy to the Utility.

In the event that the monthly valued energy supplied by the Utility during the Relevant Period exceeds the monthly valued energy exported by the eligible customer-generator during the Relevant Period, the eligible customer-generator is a net consumer and the Utility shall bill the eligible customer-generator for the net consumption during the Relevant Period based on the eligible customer-generator's OAS, as set forth below.

Except as provided for in Special Condition 3(h), Pursuant to PU Code Section 2827(h)(3), once the true-up is completed at the end of the Relevant Period, any credit for excess energy (kWh) will be retained by the Utility and the net producer will not be owed any compensation for this excess energy. Production and consumption during the twelfth month is already considered in the true-up.

N

Except as provided in Special Condition 6, the eligible customer-generator's OAS shall apply to the value of any net monthly consumption or production as follows:

- a) Baseline Rates: If the customer is a net consumer over a billing period, the net kWh consumed shall be billed at the applicable baseline rates up to the billing period's baseline allowance, with any excess kWh consumed billed at the applicable non-baseline rates charged other customers in the rate class.

If the customer is a net generator over a billing period, the net kWh generated shall be valued at the applicable baseline rates up to the billing period's baseline allowance, with any excess kWh generated valued at the applicable non-baseline rates charged other customers in the rate class.

(Continued)



SCHEDULE NEM

NET ENERGY METERING

SPECIAL CONDITIONS (Continued)

- g) Commencement of Service: The Utility shall start a customer on Schedule NEM effective with the first meter read date prior to the later of (1) customer notice to the Utility of a request for service on Schedule NEM or (2) SDG&E's written authorization for parallel operation of the customer's eligible generating facility.
- h) Assembly Bill 920: Pursuant to Assembly Bill 920, starting January 1, 2011, a NEM customer with "net surplus electricity" (all electricity generated by an eligible customer measured in kilowatt-hours that exceeds the amount of electricity consumed by that eligible customer over a 12-month period), will be provided with options regarding net surplus compensation, which valuation remains subject to further Commission action. Until then, NEM customers may choose to:
 - (i) Begin the tracking of surplus energy at the end of the customer's current 12-month relevant period; or
 - (ii) Begin the tracking of surplus energy immediately, thereby establishing a new 12-month relevant period. Under this option, SDG&E will perform the normal reconciliation of the customer's account and the new 12-month relevant period will begin on the next regularly-scheduled meter read date; or
 - (iii) Not receive any true-up net surplus electricity compensation by notifying SDG&E in writing that they do not wish to participate
- 4. Interconnection: Prior to Parallel Operation, the eligible customer-generator must execute and comply with the applicable Utility Interconnection Agreement For Net Energy Metering Solar Or Wind Electric Generating Facilities (Form 142-02760) or the Net Energy Metering Application and Interconnection Agreement for Customers with Solar and/or Wind Generating Facilities of 30 kW or Less (Form 142-02765) or for NEM / non-NEM Generating Facility export, Form 117-2160. The eligible customer-generator shall meet all applicable safety and performance standards established by the National Electric Code, the Institute of Electrical and Electronics Engineers, and accredited testing laboratories such as Underwriters Laboratories and, where applicable, rules of the CPUC regarding safety and reliability
- 5. Customer-Generators Installed on or Before September 30, 2003: Pursuant to Section 2827.7 of the PU Code, eligible customer-generators who have all local and state permits required to commence construction of their generating facilities on or before December 31, 2002, and have completed construction on or before September 30, 2003, are entitled to the Net Energy Metering terms in effect on the date the local and state permits were acquired, for the life of the generating facility, regardless of any change in customer or ownership of the generating facility.
- 6. Wind-Energy Co-Metering: In accordance with Section 2827.8 of the PU Code, any generating facility comprising eligible wind energy generators greater than 50 kW capacity but not exceeding 1,000 kW taking service under this tariff is required to comply with this section. A generating facility that includes both non-NEM-eligible generators and a wind generator eligible under this schedule is considered a Multiple Tariff Facility and will be interconnected subject to Special Condition 7.

Wind Energy Co-Metering customer-generators are required to take service on a TOU OAS and utilize a TOU meter, or multiple TOU meters, capable of separately measuring the electric energy flowing in both directions, that is the electric energy supplied by the Utility to the customer and the electric energy generated by the customer and fed back to the electric grid. If the customer's existing meter is not a TOU meter or is not capable of separately measuring the flow of electric energy in both directions, the eligible customer-generator is responsible for all expenses involved in purchasing and installing a meter that is both TOU and able to separately measure electric energy flow in both directions.

(Continued)

N
N



SCHEDULE NEM

Sheet 7

NET ENERGY METERING

SPECIAL CONDITIONS (Continued)

At the end of each Relevant Period (as described in Special Condition 3), if the value of the generation component of the electric energy fed back to the electric grid by the eligible customer-generator exceeds the value of the generation component of the electric energy supplied to the eligible customer-generator by the Utility, the eligible customer-generator is a Wind Energy Co-Metering producer; (otherwise the eligible customer-generator is a Wind Energy Co-Metering consumer.)

7. Multiple Tariff Facilities:

Multiple Tariff Facilities have the following additional provisions:

- a) When Net Generation Output Metering (NGOM) is required, such NGOM must conform to the requirements set forth in Electric Rule 21, Section F.
- b) An NEM-eligible Constituent Generator Group is defined as a constituent generator group that is eligible for service under the provisions of either schedule NEM, NEM-BIO or NEM-FC.
- c) A non-NEM-eligible Constituent Generator Group is defined as a constituent generator group that does not take service under the provisions of schedules NEM, NEM-BIO or NEM-FC, but interconnects under the provisions of Electric Rule 21.
- d) All metering for Multiple Tariff Facilities called for in this Special Condition must meet the requirements needed to bill under the customer-generator's OAS. All metering, equipment and nonexport relays necessary to implement the provisions in this section will be provided at the customer-generator's expense.
- e) Any generator(s) eligible for service under Schedule NEM-BIO with aggregated load accounts and any generator(s) eligible for service under Schedule NEM for large wind generators (over 50 kW up to 1000 kW/Energy Co-metering) will be treated as a separate Constituent Generator Group.
- f) Billing Credits:
 - 1) For customer-generators with one NEM-eligible Constituent Generator Group and one or more non-NEM-Eligible Generators without non-export relay, and energy (kWh) is exported to the grid at the PCC, the billing credit will be calculated for each billing period as follows:
 - a) NEM-eligible Export is the lesser of either all exported energy (kWh) as measured at the PCC or the NEM-eligible Constituent Generator Group's production as measured at the NGOM(s)
 - b) Multiply the NEM-eligible export determined in (a) above with the customer-generator's rate per OAS and applicable NEM schedule.

(Continued)



SCHEDULE NEM

NET ENERGY METERING

SPECIAL CONDITIONS (Continued)

- 2) For customer-generators with multiple NEM-eligible Constituent Generator Groups and with or without one or more non-Eligible Generator's without non-export relay, and energy (kWh) is exported to the grid at the PCC, the billing credit for each NEM-eligible Constituent Generator Group will be calculated for each billing period as follows:
 - a) Sum all NEM-eligible Constituent Generator Groups' production (kWh) as measured at the NGOMs.
 - b) Determine the proportion of energy production (kWh) attributable to each NEM-eligible Constituent Generator Group by dividing the NGOM reading of each by the sum from (a) above.
 - c) NEM-eligible Export for each NEM-eligible Constituent Generator Group is the lesser of either its proportion of attributable energy production determined in (b) above multiplied by the total exported energy (kWh) as measured at the PCC or its energy production (kWh) measured at its NGOM.
 - d) Multiply each NEM-eligible Constituent Generator Group's Export determined in (c) above by the customer-generator's rate per OAS and applicable NEM schedule.

If interval meters are used, this allocation of bill credit will be done on the aggregated intervals over a billing period. If the OAS is a time-of-use (TOU) rate schedule, the allocation will be performed for each aggregated TOU period separately.

Generating facilities including only small wind (50 kW or less) and solar generators are not Multiple Tariff Facilities and the customer will be billed as provided in Special Condition 2 of this tariff.

- 3) Billing credit will be applied consistent with the appropriate NEM tariff as follows:
 - a) First, apply NEM-BIO Generation Rate Component credits (if any) to Generation Rate Component charges on any aggregated accounts served by the Generating Facility.
 - b) Second, apply remaining NEM-BIO credits from (a) above and Generation Rate Component credits from NEM-FC, and NEM of large wind (>50 kW) generators (if any) as appropriate, to the remainder of generation component charges on the account served by the generating facility (Host Account).
 - c) Third, apply NEM solar and small wind (<50 kW) energy (generation and non-generation rate component) credits to energy charges of the accounts served by the generating facility.

(Continued)

8H7

Advice Ltr. No. 2145-E

Decision No. _____

Issued by
Lee Schavrien
Senior Vice President
Regulatory Affairs

Date Filed Feb 1, 2010

Effective Feb 1, 2010

Resolution No. _____



SCHEDULE NEM

NET ENERGY METERING

SPECIAL CONDITIONS (Continued)

g) Multiple Tariff Facility Configurations and Metering.

- 1) For two or more of NEM-eligible Constituent Generator Groups and no non-NEM eligible Constituent Generator Groups, the customer-generator must install NGOM on each Constituent Generator Group. In addition, metering is required at the PCC.
- 2) For both NEM-eligible and non-NEM-eligible Constituent Generator Groups, the customer must select one of the following options:
 - a) Non Export Relay Option: A customer-generator must install a Non-Export relay on their non-NEM Constituent Generator Groups and install metering as follows: 1) If there is only one type of NEM-eligible Constituent Generator Group then metering at the PCC is all that is required and the terms of the appropriate NEM tariff for that group shall apply; 2) If there are two or more types of NEM-eligible Constituent Generator Groups, then metering at the PCC and NGOM metering of each NEM-eligible Constituent Generator Group is required.
 - b) NGOM Option: The customer-generator must install NGOM on each NEM-eligible Constituent Generator Group and metering at the PCC.

For any of the above configurations, if the customer-generator has no Constituent Generator Group eligible for Schedule NEM-BIO with aggregated accounts, but has a Constituent Generator Group eligible for Schedule NEM for small wind (50 kW or less) and/or solar generators, the customer-generator may elect to take service for such under either Schedule NEM for large wind generators or Schedule NEM-BIO or NEM-FC as appropriate to one of the other Constituent Generator Groups.

For the purpose of tariff administration, other metering configurations may be allowed at SDG&E's discretion.

L
L

9H7

Advice Ltr. No. 2145-E

Decision No. _____

Issued by
Lee Schavrien
Senior Vice President
Regulatory Affairs

Date Filed Feb 1, 2010

Effective Feb 1, 2010

Resolution No. _____



SCHEDULE VNM-A

Sheet 3

VIRTUAL NET ENERGY METERING FOR MULTIFAMILY AFFORDABLE HOUSING

SPECIAL CONDITIONS (Continued)

8. Billing Process: The following billing process shall be used.

- a) Energy Delivered: The metered output, delivered to the grid, as recorded by the Generator Output Meter and validated by the appropriate Utility billing processes during the specific billing period.
- b) Allocation of Credit: Monthly allocated Credits for common areas and Qualified Customers are determined by multiplying the monthly Energy Delivered (kWh) by the percentages contained in the Solar Generation Credit Allocation Request Form on file with the Utility, and then converting each kWh credit to dollars using the Qualified Customer's OAS.
- c) Qualified Customer Bill: The OAS for each Qualified Customer, adjusted to conform to the conditions set forth in Schedule NEM. Qualified Customers served under this schedule are responsible for all charges from their OAS including monthly billed minimum charges, customer charges, meter charges, facilities charges, energy and demand charges, excluding any adjustments due to power factor provisions. Applicable demand charges are defined in the OAS.
- d) Virtual Net Energy Metering and Billing: VNM means measuring the difference between the electric energy supplied by the Utility to Qualified Customers and the electric energy generated by an eligible customer-generator, fed to the electric grid, and credited to Qualified Customers over a 12-month period (Relevant Period).

At the end of each Relevant Period following the Qualified Customer's date of SDG&E's written authorization for the eligible customer-generator's parallel Operation with SDG&E's electrical system, the Qualified Customer shall be billed for net electric energy used during that period. If a Qualified Customer terminates service under this rate schedule prior to the end of any Relevant Period, the Utility shall reconcile the customer's consumption of electric energy with any remaining credit, and bill the customer as if it were the end of the normal Relevant Period.

(1) For an OAS with Baseline Rates:

If the Qualified Customer is a net consumer for the month, the net kWh consumed shall be billed in accordance with the Qualified Customer's OAS. If the Qualified Customer is a net generator, the net kWh generated shall be valued at the applicable baseline rates up to the billing period's baseline allowance, with any excess kWh generated valued at the applicable non-baseline rates.

(2) For an OAS with Time-of-Use Rates

If the Qualified Customer is a net consumer during any discrete TOU period, the net kWh consumed shall be billed at the applicable TOU rates charged in the OAS. If the Qualified Customer is a net generator, the net kWh generated shall be valued at the applicable TOU rates charged in the OAS.

(Continued)

3H8

Advice Ltr. No. 2145-E

Decision No. _____

Issued by
Lee Schavrien
Senior Vice President
Regulatory Affairs

Date Filed Feb 1, 2010

Effective Feb 1, 2010

Resolution No. _____

D



SCHEDULE VNM-A

Sheet 4

VIRTUAL NET METERING FOR MULTIFAMILY AFFORDABLE HOUSING

SPECIAL CONDITIONS (Continued)

Assembly Bill 920: Pursuant to Assembly Bill 920, starting January 1, 2011, a NEM customer with "net surplus electricity" (all electricity generated by an eligible customer measured in kilowatt-hours that exceeds the amount of electricity consumed by that eligible customer over a 12-month period), will be provided with options regarding net surplus compensation, which valuation remains subject to further Commission action. Until then, NEM customers may choose to:

- (i) Begin the tracking of surplus energy at the end of the customer's current 12-month relevant period; or
- (ii) Begin the tracking of surplus energy immediately, thereby establishing a new 12-month relevant period. Under this option, SDG&E will perform the normal reconciliation of the customer's account and the new 12-month relevant period will begin on the next regularly-scheduled meter read date. Under this selection, any surplus electricity available at the time of selecting the new relevant 12-month period will be zeroed out; or
- (iii) Not receive any true-up net surplus electricity compensation by notifying SDG&E in writing that they do not wish to participate

9. Monthly Billing: The Utility shall provide Qualified Customers with eligible customer-generator production and individual consumption information with each regular monthly bill. The information shall include the current monetary balance owed to the Utility for the net energy consumed in the current Relevant Period. Qualified Customers shall pay any balance due for net energy consumed monthly. Any remaining credit over a monthly billing cycle shall be carried over to the following monthly billing period, until the end of the Relevant Period.

Qualified Customers shall not be eligible for the Level Pay Plan option set forth in Rule 9.

10. Generator Limitation: No generator shall be included behind the above described Generator Output Meter other than a Solar Generator.

11. Multifamily Affordable Solar Housing (MASH) Installation Incentives: D.08-10-036 established a \$108 million solar incentive program for MASH. Under the approved incentive structure, an Owner may obtain an up-front rebate for the installation of a qualifying solar energy system, based on an estimate of system performance using the Expected Based Buydown (EPBB) methodology. Owners will receive \$3.30 per watt for systems offsetting common use and \$4.00 per watt for systems offsetting tenant load. An installation may receive both incentive levels if it will offset both common area and tenant load. These incentives will be apportioned in accordance with the Owner's initial five-year allocation.

4H8

Advice Ltr. No. 2145-E

Decision No. _____

Issued by
Lee Schavrien
Senior Vice President
Regulatory Affairs

Date Filed Feb 1, 2010

Effective Feb 1, 2010

Resolution No. _____

N
N



TABLE OF CONTENTS

Sheet 1

The following sheets contain all the effective rates and rules affecting rates, service and information relating thereto, in effect on the date indicated herein.

	<u>Cal. P.U.C. Sheet No</u>
TITLE PAGE.....	16015-E
TABLE OF CONTENTS.....	21620, 21601, 21602, 21603, 21621, 21622, 21508-E 20424, 21250, 21376, 21287, 21527, 19529-E
PRELIMINARY STATEMENT:	
I. General Information.....	8274, 18225, 18226-E
II. <u>Balancing Accounts</u>	
Description/Listing of Accounts	19402, 20706-E
California Alternate Rates for Energy (CARE) Balancing Account.....	19406, 19407-E
Rewards and Penalties Balancing Account (RPBA).....	19408, 19409-E
Transition Cost Balancing Account (TCBA).....	19410, 19411, 19412, 19413, 19414-E
Post-1997 Electric Energy Efficiency Balancing Account (PEEEBA).....	19415, 19416-E
Research, Development and Demonstration (RD&D) Balancing Account.....	19417, 19418-E
Renewables Balancing Account (RBA).....	19419, 19420-E
Tree Trimming Balancing Account (TTBA).....	19421, 19422-E
Baseline Balancing Account (BBA).....	21377, 19424-E
EI Paso Turned-Back Capacity Balancing Account (EPTCBA).....	19425-E
Energy Resource Recovery Account (ERRA).....	21606, 21607, 21608, 19429, 19430-E
Low-Income Energy Efficiency Balancing Account (LIEEBA).....	19431, 19432-E
Non-Fuel Generation Balancing Account (NGBA).....	21484, 21485, 21486, 21487-E
Electric Procurement Energy Efficiency Balancing Account (EPEEBA).....	19438-E
Common Area Balancing Account (CABA).....	19439-E
Nuclear Decommissioning Adjustment Mechanism (NDAM).....	19440-E
Pension Balancing Account (PBA).....	19441, 19442-E
Post-Retirement Benefits Other Than Pensions Balancing Account (PBOPBA).....	19443, 19444-E
Community Choice Aggregation Implementation Balancing Account (CCAIBA).....	19445-E

(Continued)



TABLE OF CONTENTS

SCHEDULE NO.	SERVICE	CAL. P.U.C. SHEET NO.
	<u>Lighting Rates</u>	
LS-1	Lighting - Street and Highway – Utility-Owned Installations	21571, 21572, 21573, 12626, 12627, 12628-E 21439-E
LS-2	Lighting - Street and Highway – Customer-Owned Installations	21574, 21575, 21576, 21253, 12634, 21440-E
LS-3	Lighting - Street and Highway - Customer-Owned Installations	21577, 14943, 21441-E
OL-1	Outdoor Area Lighting Service	21578, 20280, 21442-E
OL-2	Outdoor Area Lighting Service Metered – Customer-Owned Installation	21579, 21444, 21445-E
OL-TOU	Outdoor Lighting – Time Metered	21580, 21447, 21448, 21449-E
DWL	Residential Walkway Lighting	21581, 21450-E
	<u>Miscellaneous</u>	
PA	Power – Agricultural	21582, 20539, 21451-E
PA-T-1	Power – Agricultural – Optional Time-of-Use	21583, 21584, 20542, 20543, 21385, 21452-E
S	Standby Service	21585, 18256, 21453-E
S-I	Standby Service – Interruptible	17678, 6085, 6317-E
SE	Service Establishment Charge	18651, 11594-E
DA	Transportation of Electric Power for Direct Access Customers	17679, 14953, 14954, 14955, 15111, 16976-E 21454-E
NDA	UDC Meter Services for Non-Direct Access Customers	17892, 11850, 11851, 21455, 16427-E
E-Depart	Departing Load Nonbypassable ND & PPP Charges	18385-E, 18386-E
BIP	Base Interruptible Program	19829, 19830, 20315, 20545-E
OBMC	Optional Binding Mandatory Curtailment Plan.....	14625, 15198, 14627, 14628, 14629, 15199-E
SLRP	Scheduled Load Reduction Program	14584, 14675, 15203, 14587, 18367-E
RBRP	Rolling Blackout Reduction Program.....	18259, 18260, 20546, 18262-E
DBP	Demand Bidding Program	19833, 19834, 19835, 19836, 19162-E
NEM	Net Energy Metering	21362, 21363, 21364, 21613, 21366, 21614-E 21615, 21616, 21617-E
NEM-BIO	Net Energy Metering Service for Biogas Customer-Generators	20448, 20449, 20450, 20451, 20452, 20453-E
NEM-FC	Net Energy Metering for Fuel Cell Customer-Generators	21610, 20455, 20456, 20457, 20458-E
E-PUC	Surcharge to Fund Public Utilities Commission Reimbursement Fee.....	15214-E
DWR-BC	Department of Water Resources Bond Charge.....	21519-E
DA-CRS	Direct Access Cost Responsibility Surcharge.....	21495, 21496-E
CGDL-CRS	Customer Generation Departing Load Cost Responsibility Surcharge.....	19581, 19582, 18583, 18584, 18391-E
CCA	Transportation of Electric Power, For Community Choice Aggregation Customers.....	17894, 17895, 17896, 17897-E
CCA-CRS	Community Choice Aggregation Cost Responsibility Surcharge.....	19817, 17899-E
CCA-INFO	Information Release to Community Choice Providers.....	17857, 17858, 17859, 17860-E
CBP	Capacity Bidding Program	21509, 21178, 21510, 19649, 21511, 21512-E 21179, 21180, 21181, 21513, 19656, 19657-E
UM	Unmetered Electric Service	21586, 19337, 19338-E

T
T

(Continued)



TABLE OF CONTENTS

Sheet 6

SCHEDULE OF RATES

<u>SCHEDULE NUMBER</u>	<u>SERVICE</u>	<u>CAL. P.U.C. SHEET NO</u>
	<u>Miscellaneous</u>	
WATER	Water Agency Tariff for Eligible Renewables.....	20287,19337,19338-E 20429,20430-E
PTR	Peak Time Rebate	20550, 20551, 20552, 20553-E
CRE	Customer Renewable Energy.....	20882, 20883-E
VNM-A	Virtual Net Metering for Multi-Family Affordable Housing.....	21143, 21144, 21618, 21619-E
PLP	Participating Load Pilot.....	21257, 21258, 21259, 21260, 21261-E 21262, 21263, 21264-E
ECO	Energy Credit Option	21280, 21281, 21282, 21283-E
	<u>Commodity Rates</u>	
EECC	Electric Energy Commodity Cost.....	21587, 21588,21589, 21590, 21591-E 21592, 21593, 21594, 21595, 20563-E 20564,20565-E
EECC-TBS	Electric Energy Commodity Cost – Transitional Bundled Service.....	19748, 19749, 16432, 19750-E
EECC-CPP-VOL	Electric Energy Commodity Cost – Critical Peak Pricing - Voluntary.....	21003, 21004,20568,20569, 20570-E 20571-E
EECC-CPP-E	Electric Energy Commodity Cost – Critical Peak Pricing Emergency.....	21596, 21597, 21007, 20575, 20576-E
EECC-CPP-D	Electric Energy Commodity Cost – Critical Peak Pricing Default	21598, 21599, 20579, 20580, 20581-E 20582, 20583-E
LIST OF CONTRACTS AND DEVIATIONS.....		14296, 5488, 5489, 6205, 6206, 5492-E 16311, 6439, 5495, 6208, 6209, 8845-E 6109, 5902, 5750, 8808, 8809, 6011-E 8001, 8891, 16403, 21528-E

T

(Continued)

6H7
Advice Ltr. No. 2145-E
Decision No. _____

Issued by
Lee Schavrien
Senior Vice President
Regulatory Affairs

Date Filed Feb 1, 2010
Effective Feb 1, 2010
Resolution No. _____