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November 26, 2013

ADVICE LETTER 2551-E (U 902-E)

PUBLIC UTILITIES COMMISSION OF THE STATE OF CALIFORNIA

SUBJECT: REVISIONS TO SDG&E'S ELECTRIC SCHEDULES NEM, NEM-V, AND

VNM-A IN COMPLIANCE WITH ASSEMBLY BILL (AB) 920 AND

DECISION (D) 11-06-016

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), NEM-V (Virtual Net Energy Metering for Multi-Tenant and Multi-Meter Properties) and VNM-A (Virtual Net Energy Metering for Multifamily Affordable Housing) in compliance with AB 920 and Ordering Paragraph (OP) 2 of D.11-06-016 issued June 9, 2011 to include a Renewable Attribute Adder (RAA) to the net surplus compensation rate. In addition, this filing revises SDG&E's Energy Resource Recovery Account (ERRA) to reflect the inclusion of the RAA payment and submits the new Net Energy Metering Renewable Energy Credits Compensation Agreement (electric Form 182-1000).

BACKGROUND

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

The Commission issued D.11-06-016 on June 9, 2011 to fulfill the requirements of AB 920 and adopt a net surplus compensation (NSC) rate to compensate net energy metering customers for electricity they produce in excess of their on-site load at the end of a 12-month true-up period.

OP 2 of D.11-06-016 requires the NSC rate to include payment for the renewable attributes of net surplus generation, but notes that this payment cannot occur until the California Energy Commission (CEC) has completed its work to establish a Renewable Portfolio Standard (RPS) certification and Renewable Energy Credits (REC) ownership verification and tracking process for net surplus generators to follow.

According to the most recent edition of the RPS Eligibility Guidebook (Seventh Edition, April 2013), the CEC has made the changes necessary to allow for AB 920 NSC recipients to apply for RPS certification and begin receiving renewable adder compensation for RECs associated with their net surplus generation. The purchasing utility can count these RECs toward their RPS procurement goals. The guidebook also addresses retroactive RPS certification of net surplus generators, although, depending on the circumstances, retroactive REC payments for net surplus generation may or may not be available.¹

Customers who wish to receive payment for the renewable attributes of their net surplus generation must first apply with the CEC to certify that their NEM system is RPS eligible and register as a generating unit in the Western Renewable Energy Generation Information System (WREGIS). The RPS certification rules and procedures, along with the customer requirements for WREGIS tracking are contained in the RPS eligibility guidebook, which can be accessed here:

http://www.energy.ca.gov/renewables/documents/#rps

Upon receipt of RPS certification from the CEC and a generating unit ID from WREGIS, eligible customers must complete the Net Energy Metering Renewable Energy Credits Compensation Agreement (electric Form 182-1000) and supply the form to SDG&E. The form identifies all NSC associated RECs that are generated during a relevant period and transferred to the utility in WREGIS. As part of this form, customers must also certify that they own the RECs produced by their facility and are not double counting RECs for any other purpose.

FUTURE CHANGES TO RPS CERTIFICATION AND TRACKING REQUIREMENTS FOR NEM NET SURPLUS GENERATORS

Once the CEC created the required REC ownership and tracking system for NEM net surplus generators and published the information in its guidebook, SDG&E and the other Investor-Owned Utilities struggled to understand how to implement the Guidebook's complex processes and procedures, and how to relate that information in an easily understandable manner to their customers. SDG&E's revisions provided herein supply necessary information to net surplus generators to enable them to obtain certification of their RECs, should they choose. SDG&E can improve upon the information provided to customers as the CEC revises and refines its Guidebook.

RENEWABLE ATTRIBUTE ADDER CALCULATION

Per OP 2 of D.11-06-016, the RAA is calculated using the most recent Western Electricity Coordinating Council (WECC) average renewable premium, based on United States Department of Energy (DOE) published data. The WECC average renewable premium, also known as the RPS standard adder, is determined annually as part of SDG&E's annual advice letter update to the market price benchmark for renewable resource requirements. SDG&E Advice Letter 2522-E established the currently effective premium of 1.645 cents per kWh. The RAA is calculated by

¹ The RPS guidebook does not provide a procedure for calculating RECs available for utility purchase for certain periods in the past.

multiplying the premium by the generator's net surplus kWhs generated during the customer's relevant period.

The RAA will only be paid to net surplus generators upon SDG&E's receipt of the RECs derived from the net surplus generation. Given the fact that RECs are generated in 1 MW increments (it may take a while for customers to amass eligible NSG in this quantity), and the length of the WREGIS reporting and verification process that occurs after all net surplus generation is produced, the RAA payment will occur by check and may not align with the eligible net surplus generator's regular NSC payment.

TARIFF REVISIONS

SDG&E proposes to revise Electric Schedules NEM, NEM-V and VNM-A, consistent with PU Code Section 2827 to include the option, available at the customer's election, to receive compensation for the renewable attributes of their net surplus electricity. In addition, SDG&E introduces Net Energy Metering Renewable Energy Credits Compensation Agreement (electric Form 182-1000), to gather required documentation from the customer. SDG&E has also revised the ERRA to record and recover any RAA payments made to eligible customers with net surplus generation.

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.

EFFECTIVE DATE

SDG&E believes this filing is subject to Energy Division disposition and should be classified as Tier 2 (effective after staff approval) pursuant to GO 96-B. SDG&E respectfully requests that this filing become effective on January 25, 2013, 60 days from the date filed.

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, or December 26, 2013. 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 be sent via e-mail to the attention of the Energy Division at EDTariffUnit@cpuc.ca.gov. 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) 654-1879 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 lists R.12-11-005 and R.10-05-004 either by 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) 654-1879 or by e-mail at SDG&ETariffs@semprautilities.com.

	CLAY FABER
	Director – Regulatory Affairs
(cc list enclosed)	

CALIFORNIA PUBLIC UTILITIES COMMISSION

ADVICE LETTER FILING SUMMARY ENERGY UTILITY

MUST BE COMPLE	TED BY UTILITY (Attach additional pages as needed)			
Company name/CPUC Utility No. SAN	DIEGO GAS & ELECTRIC (U 902)			
Utility type:	Contact Person: Joff Morales			
⊠ ELC ☐ GAS	Phone #: (858) <u>650-4098</u>			
PLC HEAT WATER E-mail: jmorales@semprautilities.com				
EXPLANATION OF UTILITY TYPE (Date Filed/ Received Stamp by CPUC)				
ELC = Electric GAS = Gas PLC = Pipeline HEAT = Heat WATER = Water				
Advice Letter (AL) #: 2551-E				
Subject of AL: Revisions to SDG&E's I	Electric Schedules NEM, NEM-V and VNM-A in Compliance			
With AB 920 and D.11-06-016				
Keywords (choose from CPUC listing):	Tariffs, Net Meter			
AL filing type: Monthly Quarterl	y 🗌 Annual 🗍 One-Time 🔀 Other			
If AL filed in compliance with a Commi	ission order, indicate relevant Decision/Resolution #:			
AB 920, D.11-06-016				
Does AL replace a withdrawn or rejected	ed AL? If so, identify the prior AL: None			
Summarize differences between the AL	and the prior withdrawn or rejected AL1: N/A			
Does AL request confidential treatmen	t? If so, provide explanation:			
Resolution Required? Yes No	Tier Designation: 1 2 3			
Resolution Required? Yes No Requested effective date: 1/25/2014	Tier Designation: 1 2 3 No. of tariff sheets: 14			
•	No. of tariff sheets: 14			
Requested effective date: 1/25/2014	No. of tariff sheets: 14			
Requested effective date: 1/25/2014 Estimated system annual revenue effect (9)	No. of tariff sheets: 14 ct: (%): N/A %): N/A attachment in AL showing average rate effects on customer classes			
Requested effective date: 1/25/2014 Estimated system annual revenue effect Estimated system average rate effect (9) When rates are affected by AL, include	No. of tariff sheets: 14 ct: (%): N/A %): N/A attachment in AL showing average rate effects on customer classes /I, agricultural, lighting).			
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 $^{^{\}rm 1}$ Discuss in AL if more space is needed.

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

cc: (w/enclosures)

W. Chen

A. Friedl

E. O'Neill

J. Pau

Davis Wright Tremaine, LLP

CP Kelco

Public Utilities Commission Dept. of General Services DRA H. Nanjo Y. Schmidt M. Clark W Scott Douglass & Liddell **Energy Division** D. Douglass P. Clanon D. Liddell G. Klatt S. Gallagher H. Gatchalian Duke Energy North America D. Lafrenz M. Gillette M. Salinas Dynegy, Inc. CA. Energy Commission J. Paul Ellison Schneider & Harris LLP F. DeLeon R. Tavares E. Janssen Alcantar & Kahl LLP Energy Policy Initiatives Center (USD) K. Harteloo S. Anders **Energy Price Solutions** American Energy Institute C. King A. Scott APS Energy Services Energy Strategies, Inc. K. Campbell J. Schenk **BP Energy Company** M. Scanlan J. Zaiontz Goodin, MacBride, Squeri, Ritchie & Day B. Cragg Barkovich & Yap, Inc. B. Barkovich J. Heather Patrick **Bartle Wells Associates** J. Squeri R. Schmidt Goodrich Aerostructures Group Braun & Blaising, P.C. M. Harrington Hanna and Morton LLP S. Blaising California Energy Markets N. Pedersen S. O'Donnell Itsa-North America C. Sweet L. Belew California Farm Bureau Federation J.B.S. Energy K. Mills J. Nahigian California Wind Energy Luce, Forward, Hamilton & Scripps LLP N. Rader J. Leslie CCSE Manatt, Phelps & Phillips LLP S. Freedman D. Huard J. Porter R. Keen Matthew V. Brady & Associates Children's Hospital & Health Center M. Brady T. Jacoby City of Chula Vista Modesto Irrigation District M. Meacham C. Mayer Morrison & Foerster LLP E. Hull City of Poway P. Hanschen R. Willcox MRW & Associates City of San Diego D. Richardson J. Cervantes OnGrid Solar G. Lonergan Andy Black M. Valerio Pacific Gas & Electric Co. Commerce Energy Group J. Clark M. Huffman V. Gan Constellation New Energy S. Lawrie

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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. DeLacruz Utility Specialists, Southwest, Inc. D. Koser Western Manufactured Housing Communities Association S. Dev White & Case LLP L. Cottle Interested Parities R.12-11-005 R.10-05-004

ATTACHMENT A ADVICE LETTER 2551-E

Cal. P.U.C. Sheet No.	Title of Sheet	Canceling Cal. P.U.C. Sheet No.
Revised 23961-E	PRELIMINARY STATEMENT, II. BALANCING ACCOUNTS, ENERGY RESOURCE RECOVERY ACCOUNT (ERRA), Sheet 1	Revised 23421-E
Revised 23962-E	PRELIMINARY STATEMENT, II. BALANCING ACCOUNTS, ENERGY RESOURCE RECOVERY ACCOUNT (ERRA), Sheet 3	Revised 23423-E
Revised 23963-E	SCHEDULE NEM, NET ENERGY METERING, Sheet 6	Revised 22601-E
Revised 23964-E	SCHEDULE NEM, NET ENERGY METERING, Sheet 7	Revised 22602-E
Revised 23965-E	SCHEDULE NEM-V, VIRTUAL NET ENERGY METERING FOR MULTI-TENANT AND MULTI-METER PROPERTIES, Sheet 5	Original 22937-E
Revised 23966-E	SCHEDULE NEM-V, VIRTUAL NET ENERGY METERING FOR MULTI-TENANT AND MULTI-METER PROPERTIES, Sheet 6	Original 22938-E
Original 23967-E	SCHEDULE NEM-V, VIRTUAL NET ENERGY METERING FOR MULTI-TENANT AND MULTI-METER PROPERTIES, Sheet 7	
Revised 23968-E	SCHEDULE VNM-A, VIRTUAL NET METERING FOR MULTIFAMILY AFFORDABLE HOUSING, Sheet 5	Original 22405-E*
Revised 23969-E	SCHEDULE VNM-A, VIRTUAL NET METERING FOR MULTIFAMILY AFFORDABLE HOUSING, Sheet 6	Original 22490-E
Original 23970-E	SAMPLE FORMS, FORM 182-1000, Sheet 1	
Revised 23971-E	TABLE OF CONTENTS, Sheet 1	Revised 23773-E
Revised 23972-E	TABLE OF CONTENTS, Sheet 5	Revised 23763-E
Revised 23973-E	TABLE OF CONTENTS, Sheet 6	Revised 23764-E
Revised 23974-E	TABLE OF CONTENTS, Sheet 12	Revised 23708-E

23421-E

Canceling Revised

Cal. P.U.C. Sheet No.

Sheet 1

PRELIMINARY STATEMENT

II. BALANCING ACCOUNTS ENERGY RESOURCE RECOVERY ACCOUNT (ERRA)

1. Purpose

Pursuant to D.02-10-062 and D.02-12-074, the purpose of the ERRA is to provide full recovery of the Utility's energy procurement costs associated with fuel and purchased power. Utility retained generation (URG), ISO related costs, greenhouse gas (GHG) costs for compliance instrument transactions under California cap-in-trade program pursuant to Assembly Bill (AB) 32, and costs associated with its residual net short procurement requirements to serve its bundled service customers. ERRA includes the Greenhouse Gas ("GHG") cost sub-balancing account to record the authorized forecasted direct and indirect procurement-related GHG costs during the time that recovery of the costs are temporarily deferred pursuant to D.12-12-033. The ERRA shall include revenues received from the Utility's Electric Energy Commodity Charge (EECC) adjusted to exclude revenues assigned to any state agency, including the California Department of Water Resources (DWR). In addition, the ERRA shall include revenues from Schedule EECC-TBS. Pursuant to D.02-12-074, ongoing transition costs ("above market") associated with qualifying facilities and eligible purchase power contracts should be recorded in the Transition Cost Balancing Account (TCBA). Pursuant to D.10-12-034, the ERRA shall record the revenues or costs related to convergence bidding. In compliance with AB 920, the ERRA shall record any net surplus compensation payment made to eligible customer-generators, including where applicable, additional payments for renewable attributes in accordance with SDG&E's Net Surplus Compensation Program. Pursuant to D.11-10-029, 2009 year-end balances in the ERRA and TCBA are approved.

2. Applicability

The ERRA shall be applied only to the Utility's bundled service customers.

3. ERRA Rate

The ERRA rate will be included as part of the Utility's total Schedule EECC rate. The Utility will file its first ERRA application on June 1, 2003 to establish the initial ERRA rate. Until such time that the initial ERRA rate becomes effective, revenues derived from the current and effective Schedule EECC rate, less revenues assigned to DWR, shall be recorded to the ERRA on a monthly basis.

4. Effective Date

This tariff is effective for service rendered on and after January 1, 2003.

5. Accounting Procedure

The Utility shall maintain the ERRA by making entries at the end of each month as follows:

- a. An entry equal to the at or below market costs associated with the Portland General Electric contract.
- b. An entry equal to the at or below market costs associated with the Utility's eligible qualifying facility (QF) contracts.
- c. An entry equal to the costs associated with the Utility's other purchase power, including renewable energy procurement.

(Continued)

Advice Ltr. No. 2551-E

Decision No.

Issued by
Lee Schavrien
Senior Vice President
Regulatory Affairs

Date Filed Nov 26, 2013
Effective

Resolution No.

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Canceling Revised Cal. P

Cal. P.U.C. Sheet No.

Sheet 3

PRELIMINARY STATEMENT

II. BALANCING ACCOUNTS ENERGY RESOURCE RECOVERY ACCOUNT (ERRA)

- 5. <u>Accounting Procedure</u> (Continued)
 - q. An entry to reflect the revenues or costs associated with procurement transactions for Congestion Revenue Rights (CRRs).
 - r. A debit entry equal to Peak Time Rebate (PTR) incentive payments made to residential and small commercial customers as authorized in D.08-02-034.
 - s. A credit or debit entry equal to the revenues or costs related to convergence bidding as authorized in D.10-12-034.
 - t. A debit entry to record costs associated with equity rebalancing, as authorized by the Commission, due to FIN 46(R)/FAS 167 consolidations.
 - u. A debit entry equal to the costs associated with the procurement and/or trading transactions for tradable renewable energy credits (TRECs) as authorized in D.11-01-025.
 - v. A credit entry equal to the proceeds received from the sale of TRECs as authorized in D.11-01-025.
 - w. A debit entry equal to net surplus compensation payments, including any payments for associated renewable attributes made to eligible customer-generators for the Net Surplus Compensation Program in compliance with AB 920.
 - x. An entry to account for cost disallowances or additions as authorized by the Commission.
 - y. A debit entry equal to the GHG procurement costs for SDG&E's GHG compliance instrument transactions under the California cap-and-trade program pursuant to AB 32.
 - z. A credit entry equal to one-twelfth of the authorized forecasted direct and indirect GHG costs, deferred for future recovery in rates.
 - aa. A debit entry equal to the balance in the GHG sub-balancing account included for recovery in rates.
 - ab. Interest shall be calculated on the average of the balance at the beginning of the month and the balance after entries 5.a. through 5.x. at a rate equal to one-twelfth of the interest rate on three-month Commercial Paper for the previous month, as reported in the Federal Reserve Statistical Release, H.15, or its successor.

(Continued)

3P6

Decision No.

Advice Ltr. No. 2551-E

Issued by **Lee Schavrien**

Senior Vice President Regulatory Affairs Date Filed Effective Nov 26, 2013

Resolution No.

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Revised

Cal. P.U.C. Sheet No.

23963-E

Canceling Revised Cal. P.U.C. Sheet No.

22601-E Sheet 6

SCHEDULE NEM

NET ENERGY METERING

SPECIAL CONDITIONS (Continued)

- a) 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 (AB) 920, starting January 1, 2011, a NEM customer with "net surplus electricity" (all electricity generated by an eligible customer measured in kilowatthours over a 12-month period that exceeds the amount of electricity consumed by that eligible customer), is eligible to receive net surplus compensation (NSC), valued pursuant to D.11-06-016. If a customer has not generated excess kWhs, the customer is not eligible for NSC.
- i) Compensation for net surplus energy: Per AB 920, SDG&E will compensate NEM customers with generation of less than 1 MW with excess kWhs at the end of their relevant period, for both the value of the electricity and the value of the renewable attributes. The Utility will compensate qualifying NEM customers for net surplus generation by the following formula:

NSC = Value of Electricity + Value of Renewable Energy Credits (if applicable)

(i) Value of the Electricity -

Value of Electricity = Net surplus kWhs x DLAP price

The Utility will use SDG&E's Default Load Aggregation Point (DLAP) price as the basis for the net surplus compensation rate (adopted in D.11-06-016). DLAP reflects the costs the Utility avoids in procuring power during the time period net surplus generators produce excess power.

This rate is the simple rolling average of SDG&E's DLAP price from 7 a.m. to 5 p.m. corresponding to the customer's 12-month relevant period. The rolling average will be calculated on a monthly basis and be applied to all customers with a relevant period in the following month.

The Utility uses a full 12 months of DLAP prices, as published on the CAISO Open Access Same-time Information System (OASIS), ending the twentieth (20th) day of each month. The Utility then calculates the net surplus compensation rate within five days of the first of the month to allow the CAISO to finalize the day-ahead DLAP prices. This rate is applied to all eligible net surplus generators, irrespective of their rate class. This rate will be updated monthly and is available at: http://www.sdge.com/nem/.

(ii) Value of Renewable Energy Credits -

Value of Renewable Energy Credits = Net surplus kWhs x Average Renewable Premium

The California Energy Commission (CEC) has determined the eligibility of net energy metering customer facilities for the Renewables Portfolio Standard (RPS) and developed an ownership verification and tracking process for Renewable Energy Credits (RECs) created by net surplus generators, which is set forth in the CEC's RPS Eligibility Guidebook, available at: http://www.energy.ca.gov/renewables/documents/#rps

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Advice Ltr. No. 2551-E Decision No.

Issued by Lee Schavrien Senior Vice President Regulatory Affairs

Nov 26, 2013 Date Filed Effective

Resolution No.

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Revised Cal. P.U.C

Cal. P.U.C. Sheet No.

23964-E

Canceling Revised

Cal. P.U.C. Sheet No.

22602-E Sheet 7

SCHEDULE NEM

NET ENERGY METERING

SPECIAL CONDITIONS (Continued)

i) Compensation for net surplus energy (continued)

The Utility will include an Renewable Attribute Adder (RAA) with the NSC rate if the eligible customer has: (1) certified ownership of RECs associated with his net surplus generation and provides this certification to the Utility; (2) obtained RPS certification from the CEC for his renewable electrical generation facility and provides this certification to the Utility; and (3) transfers the ownership of the RECs associated with his net surplus electricity to the Utility using the Western Renewable Energy Generation Information System (WREGIS). To effectuate these requirements, Customers requesting Utility compensation for the RAA must complete the Net Energy Metering Renewable Energy Credits Compensation Agreement (Form 182-1000).

The renewable attribute adder will be calculated using the most recent Western Electricity Coordinating Council (WECC) average renewable premium, based on United States Department of Energy (DOE) published data. The renewable attribute adder will only be paid to those net surplus generators who provide RECs to the Utility. This rate will be updated annually and is available at http://www.sdge.com/nem.

D.11-06-016 requires NEM customers who elect to receive NSC to notify the Utility that they are a Qualifying Facility exempt from certification filing at the Federal Energy Regulatory Commission (FERC). Since all NEM customer-generators have certified to SDG&E that they are generating facilities with net power production capacities of 1 MW or less, and thus currently meet the requirements for a qualifying facility exempt from certification filing at FERC by being under 1 MW (under FERC Order 732), SDG&E requires no additional documentation at this time.

Eligible customers have the option to carry over net surplus compensation to future 12-month periods or can elect a monetary payment, if the amount is greater than one dollar (\$1). Payments for NSC should be reduced by any amount the customer owes to the Utility.

- 4. <u>Interconnection</u>: Prior to Parallel Operation, the eligible customer-generator must execute and comply with the applicable Utility Interconnection Agreement For Net Energy Metering Renewable electrical generating facility (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 Interconnection Agreement 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
- 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.

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7P6 Issued by Date Filed Nov 26, 2013

Advice Ltr. No. 2551-E Lee Schavrien Effective

Senior Vice President
Decision No. Regulatory Affairs Resolution No.

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Revised

Cal. P.U.C. Sheet No.

23965-E

Canceling Original Cal. P.U.C. Sheet No.

22937-E Sheet 5

SCHEDULE NEM-V

VIRTUAL NET ENERGY METERING FOR MULTI-TENANT AND MULTI-METER PROPERTIES

SPECIAL CONDITIONS (Continued))

- e) Assembly Bill 920: Pursuant to Assembly Bill (AB) 920, starting January 1, 2011, a NEM customer with "net surplus electricity" (all electricity generated by an eligible customer measured in kilowatthours over a 12-month period that exceeds the amount of electricity consumed by that eligible customer), is eligible to receive net surplus compensation (NSC), valued pursuant to D.11-06-016. If a customer does not have allocated kWhrs in excess of their usage, the customer is not eligible for NSC.
- Compensation for net surplus energy: Per AB 920, SDG&E will compensate qualifying customers that are eligible for a full retail rate credit under NEM, with excess kWhs at the end of their relevant period, for both the value of the electricity and the value of the renewable attributes. The utility will compensate qualifying NEM customers for net surplus generation by the following formula:

NSC = Value of Electricity + Value of Renewable Energy Credits (if applicable)

(i) Value of the Electricity -

Value of Electricity = Net surplus kWhs x DLAP price

The utility will use SDG&E's Default Load Aggregation Point (DLAP) price as the basis for the net surplus compensation rate (adopted in D.11-06-016). DLAP reflects the costs the utility avoids in procuring power during the time period net surplus generators produce excess power.

This rate is the simple rolling average of SDG&E's DLAP price from 7 a.m. to 5 p.m. corresponding to the customer's 12-month relevant period. The rolling average will be calculated on a monthly basis and be applied to all customers with a relevant period in the following month.

The utility uses a full 12 months of DLAP prices, as published on the California Independent System Operator (CAISO) Open Access Same-time Information System (OASIS), ending the twentieth (20th) day of each month. The utility then calculates the net surplus compensation rate within five days of the first of the month to allow the CAISO to finalize the day-ahead DLAP prices. This rate is applied to all eligible net surplus generators, irrespective of their rate class. This rate will be updated monthly and is available at www.sdge.com/nem.

(ii) Value of Renewable Energy Credits -

Value of Renewable Energy Credits = Net surplus kWhs x Average Renewable Premium

The California Energy Commission (CEC) has determined the eligibility of net energy metering customer facilities for the Renewables Portfolio Standard (RPS) and developed an ownership verification and tracking process for Renewable Energy Credits (RECs) created by net surplus generators, which is set forth in the CEC's RPS Eligibility Guidebook, available at: http://www.energy.ca.gov/renewables/documents/#rps

(Continued)

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22938-E

SCHEDULE NEM-V

Sheet 6

VIRTUAL NET ENERGY METERING FOR MULTI-TENANT AND MULTI-METER PROPERTIES

SPECIAL CONDITIONS (Continued)

(ii) Value of Renewable Energy Credits (Continued)

The Utility will include an Renewable Attribute Adder (RAA) with the NSC rate if the eligible customer has: (1) certified ownership of RECs associated with his net surplus generation and provides this certification to the Utility: (2) obtained RPS certification from the CEC for his renewable electrical generation facility and provides this certification to the Utility; and (3) transfers the ownership of the RECs associated with his net surplus electricity to the Utility using the Western Renewable Energy Generation Information System (WREGIS). To effectuate these requirements, Customers requesting Utility compensation for the RAA must complete the Net Energy Metering Renewable Energy Credits Compensation Agreement (Form 182-1000).

The renewable attribute adder will be calculated using the most recent Western Electricity Coordinating Council (WECC) average renewable premium, based on United States Department of Energy (DOE) published data. The renewable attribute adder will only be paid to those net surplus generators who provide RECs to the Utility. This rate will be updated annually and is available at: http://www.sdge.com/nem.

D.11-06-016 requires NEM customers who elect to receive NSC to notify the Utility that they are a Qualifying Facility exempt from certification filing at the Federal Energy Regulatory Commission (FERC). Since all NEM customer-generators have certified to SDG&E that they are generating facilities with net power production capacities of 1 MW or less, and thus currently meet the requirements for a qualifying facility exempt from certification filing at FERC by being under 1 MW (under FERC Order 732), SDG&E requires no additional documentation at this time.

Eligible customers have the option to carry over net surplus compensation to future 12-month periods or can elect a monetary payment, if the amount is greater than one dollar (\$1). Payments for NSC should be reduced by any amount the customer owes to the Utility.

8. 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.

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SCHEDULE NEM-V

Sheet 7

VIRTUAL NET ENERGY METERING FOR MULTI-TENANT AND MULTI-METER PROPERTIES

SPECIAL CONDITIONS (Continued)

- 9. Generator Limitation: No generator shall be included behind the above described Generator Output Meter other than the eligible customer-generator receiving service under this schedule. Schedule NEM-V is not applicable to electricity generation technologies that would not otherwise be eligible to receive full retail credit under the provisions set forth in Schedule NEM.
- 10. Pursuant to Public Utilities Code Section.2827(c)(2), any customer with an existing electrical generating facility and meter who enters into a new net energy metering contract shall complete and submit a copy of form 142-02763 NEM/VNM/NEM-V Inspection Report to SDG&E, unless the electrical generating facility and meter have been installed or inspected within the previous three years. The NEM/VNM/NEM-V Inspection Report (Form 142-02763) shall be prepared by a California licensed contractor who is not the owner or operator of the facility and meter. A California licensed electrician shall perform the inspection of the electrical portion of the facility and meter and sign the NEM/VNM/NEM-V Inspection Report (Form 142-02763). If an inspection is required, the customer shall submit the fully completed NEM/VNM/NEM-V Inspection Report (Form 142-02763) to SDG&E within 90 days of the of the customer becoming the customer of record at this account, or else the customer agrees to disconnect their Generating Facility and inform SDG&E it no longer will take service under a net energy metering rate schedule. By signing the Interconnection Agreement, the NEM/VNM/NEM-V Inspection Report (Form 142-02763) shall be incorporated into the Interconnection Agreement.
- 11. Per Ordering Paragraph 8 in Resolution E-4481, SDG&E will file an Advice Letter with its proposed solution on identifying data that can be provided to the Generating Account Owners to verify that Benefiting Account holders are properly credited.

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Cal. P.U.C. Sheet No.

22405-E*

SCHEDULE VNM-A

Sheet 5

VIRTUAL NET METERING FOR MULTIFAMILY AFFORDABLE HOUSING

SPECIAL CONDITIONS (Continued)

f) Compensation for Net Surplus Energy (Continued)

This rate is the simple rolling average of SDG&E's DLAP price from 7 a.m. to 5 p.m. corresponding to the customer's 12-month relevant period. The rolling average will be calculated on a monthly basis and be applied to all customers with a relevant period in the following month.

The utility uses a full 12 months of DLAP prices, as published on the CAISO Open Access Same-time Information System (OASIS), ending the twentieth (20th) day of each month. The utility then calculates the net surplus compensation rate within five days of the first of the month to allow the CAISO to finalize the day-ahead DLAP prices. This rate is applied to all eligible net surplus generators, irrespective of their rate class. This rate will be updated monthly and is available at www.sdqe.com/NEM.

(ii) Value of Renewable Energy Credits -

Value of Renewable Energy Credits = Net surplus kWhs x Average Renewable Premium

The California Energy Commission (CEC) has determined the eligibility of net energy metering customer facilities for the Renewables Portfolio Standard (RPS) and developed an ownership verification and tracking process for Renewable Energy Credits (RECs) created by net surplus generators, which is set forth in the CEC's RPS Eligibility Guidebook, available at: http://www.energy.ca.gov/renewables/documents/#rps

The Utility will include an Renewable Attribute Adder (RAA) with the NSC rate if the eligible customer has: (1) certified ownership of RECs associated with his net surplus generation and provides this certification to the Utility; (2) obtained RPS certification from the CEC for his renewable electrical generation facility and provides this certification to the Utility; and (3) transfers the ownership of the RECs associated with his net surplus electricity to the Utility using the Western Renewable Energy Generation Information System (WREGIS). To effectuate these requirements, Customers requesting Utility compensation for the RAA must complete the Net Energy Metering Renewable Energy Credits Compensation Agreement (Form 182-1000).

The renewable attribute adder will be calculated using the most recent Western Electricity Coordinating Council (WECC) average renewable premium, based on United States Department of Energy (DOE) published data. The renewable attribute adder will only be paid to those net surplus generators who provide RECs to the Utility. This rate will be updated annually and is available at: http://www.sdge.com/nem.

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SCHEDULE VNM-A

Sheet 6

22490-E

VIRTUAL NET METERING FOR MULTIFAMILY AFFORDABLE HOUSING

SPECIAL CONDITIONS (Continued)

f) Compensation for Net Surplus Energy (Continued)

D.11-06-016 requires NEM customers who elect to receive NSC to notify the utility that they are Qualifying Facility exempt from certification filing at the Federal Energy Regulatory Commission (FERC). Since all NEM customer-generators have certified to SDG&E that they are generating facilities with net power production capacities of 1 MW or less, and thus currently meet the requirements for a qualifying facility exempt from certification filing at FERC by being under 1 MW (under FERC Order 732), SDG&E requires no additional documentation at this time.

Eligible customers have the option to carry over NSC to future 12-month periods (as a bill credit) or can elect a monetary payment, if the amount is greater than one dollar (\$1). Payments for NSC will be reduced by any amount the customer owes to the utility.

10. 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.

- 11. Generator Limitation: No generator shall be included behind the above described Generator Output Meter other than a Solar Generator.
- 12. 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. Pursuant to D.11-07-031, owners will receive \$1.90 per watt for systems offsetting common use and \$2.80 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.
- 13. Pursuant to Public Utilities Code Section.2827(c)(2), any customer with an existing electrical generating facility and meter who enters into a new net energy metering contract (for example, form 142-02760.5 Interconnection Agreement For Virtual Net Energy Metering for Multifamily Affordable Housing (VNM-A) Solar Electric Generating Facilities) shall complete and submit a copy of form 142-02763 NEM/VNMA Inspection Report to SDG&E, unless the electrical generating facility and meter have been installed or inspected within the previous three years. The NEM/VNM-A Inspection Report (Form 142-02763) shall be prepared by a California licensed contractor who is not the owner or operator of the facility and meter. A California licensed electrician shall perform the inspection of the electrical portion of the facility and meter and sign the NEM / VNM-A Inspection Report (Form 142-02763). If an inspection is required, the customer shall submit the fully completed NEM/VNM-A Inspection Report (Form 142-02763) to SDG&E within 90 days of the of the customer becoming the customer of record at this account, or else the customer agrees to disconnect their Generating Facility and inform SDG&E it no longer will take service under schedule NEM or VNM-A. By signing the Interconnection Agreement, the NEM/VNM-A Inspection Report (Form 142-02763) shall be incorporated into the Interconnection Agreement.

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		SAMPLE	FORMS		Sheet 1
		FORM 18	82-1000		
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Net Energy Metering (NEM), Virtual Net Energy Metering (NEM-V), and Virtual Net Energy Metering for Multi-family Affordable Housing (VNM-A)

Renewable Energy Credits Compensation Agreement

To request Renewable Energy Credit (REC) compensation from SDG&E, please complete the following sections:

Part I – Customer Information			
Name shown on SD0 (Must match Custome)		Account No	umber Meter Number
	Street Addre	əss •	
City		State	Zip
	Mailing Addr	ess	
City		State	Zip
Business Phone	Home Phone	Fax	Mandatory E-mail

Part II – Verification of REC Ownership and Transfer

I have provided "net surplus electricity" (NSE, as defined in the NEM, NEM-V or VNM-A Rate Schedule I take service under), which is reflected on my true-up bill, and for that NSE I want to receive REC compensation (as described in the 'Billing Process' Special Condition in the applicable NEM, NEM-V or VNM-A tariff), and I confirm all of the following:

- **Mership of NSE RECs: I certify under penalty of perjury that I own the Renewable Energy Credits associated with NSE from my NEM, NEM-V or VNM-A eligible generating facility.
- ★★★ Eligibility: I certify that the NEM, NEM-V or VNM-A eligible generating facility providing NSE to the service account identified in Part I is certified by the California Energy Commission (CEC) as an Renewable Portfolio Standard (RPS) Eligible Generating Facility, having the CEC RPS ID listed in Part III below. SDG&E requires that a copy of the CEC RPS eligibility certificate for this facility be attached with this form until such time that RPS certification status is available to SDG&E from another source.
- ** Aransfer of WREGIS Certificates to SDG&E: I have transferred to the Western Renewable Energy Generation Information System (WREGIS) account of SDG&E the WREGIS Certificates representing the Renewable Energy Credits, which are defined according to the California RPS, as may be amended, and are associated with the NSE provided as shown on my bill statement at the end of the time period listed in Section 3 below. I will provide specific details associated with the NEM, NEM-V or VNM-A generating facility that was the source of my NSE.

Page 1 of 3 Form 182-1000 (11/2013)

Note: WREGIS only creates WREGIS Certificates in whole megawatt-hour amounts, therefore only the whole WREGIS Certificate amounts can be transferred to SDG&E. If however, the WREGIS Certificates were provided from an aggregator, the allocation may include a fraction of a megawatt hour.
Part III – WREGIS Certificate Compensation For the NSE generating facility associated with my NEM, NEM-V or VNM-A account, please provide:
Number of WREGIS Certificates transferred to SDG&E from the Generator Unit ID for customer ID Listed I certify that I or my aggregator has received and transferred to SDG&E (WREGIS account number 39) (number of) WREGIS certificates for (WREGIS Generating Unit ID). Also, please provide associated CEC RPS ID:
Note: A WREGIS certificate consists of one megawatt-hour of generation; fractional WREGIS certificates cannot be created, hence credit for a fractional portion of a WREGIS certificate cannot be provided unless a customer works through an aggregator.
RPS eligible generator technology type (e.g., PV-Solar, wind, renewable fuel cell, etc.):
WREGIS certificates are for the time period from (Month/Year) to (Month/Year)
Note: the date on any WREGIS Certificate that SDG&E can accept must be no more than 2 years and 6 months from the submission date of this compensation form.
Please provide serial numbers associated with WREGIS certificates:
Note: Payment will be issued following confirmed receipt of WREGIS Certificates corresponding to the NSE in SDG&E's WREGIS account.
Part IV – CPUC Jurisdiction
This Agreement at all times shall be subject to such changes or modifications by the California Public Utilities Commission of the State of California as said Commission may, from time to time, direct in the exercise of its jurisdiction.
Part V – Customer Signature
Customer Signature – I attest that the information above is true and correct.
Signature:
Print Name:
Date:
Aggregator Signature (if applicable) – I attest that the information above is true and correct.
Signature:
Print Name:
Page 2 of 3

Regator: If my WREGIS Certificates corresponding to the NSE were provided on my behalf by an Aggregator, please provide the name of the aggregator:

or VNM-A account.

Please complete this agreement in its entirety

All WREGIS Certificates for accounts that are aggregated must be associated with my SDG&E NEM, NEM-V

Form 182-1000 (11/2013)

Date:	

Mailing Instructions and Assistance:

If you prefer to mail the completed agreement, it may be mailed directly to our NEM department at:

SDG&E'S P.O. BOX ADDRESS SDG&E'S STREET ADDRESS	
San Diego Gas and Electric Company	San Diego Gas and Electric Company
Attention: Net Metering Team	Attention: Net Metering Team
Mail Code CP52F	Mail Code CP52F
P.O. Box 129831	8316 Century Park Ct
San Diego, California 92123	San Diego, California 92123

Internet Agreement Forms:

If this Agreement has been completed on SDG&E's website, with the attachments, it may be automatically submitted via that system. Copies or forms requiring a signature, attachments and any applicable fees described in Part II must be mailed to SDG&E at the address noted above.



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23971-E

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23773-E

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101-1652B	04-08	Receipt of Payment	2501-E
103-1750-E	03-68	Return of Customer Deposit	2500-E
		Bills and Statements	
108-01214	02-01	Residential Meter Re-Read Verification	14280-E
110-00432	09-07	Form of Bill - General, Domestic, Power, and Lighting Service -	
		Opening, Closing, and Regular Monthly Statements	20302-E
110-00432/2	06-07	Form of Bill - Pink Past Due Format	20120-E
		Collection Notices	
101-00751	04-11	Final Notice Before Disconnect (MDTs)	22864-E
101-00752	04-11	Final Notice Before Disconnect (delivered)	22324-E
101-00753	02-04	Back of Urgent Notice Applicable to Forms	
		101-00753/1 through 101-00753/11	16944-E
101-00753/1	04-11	Urgent Notice Payment Request Security Deposit to Establish Credit	22325-E
101-00753/1	03-05	Urgent Notice Payment Request Security Deposit to Re-Establish Credit.	18084-E
101-00753/2	04-11	Urgent Notice Payment Request for Past Due Security Deposit	22326-E
101-00753/4	04-11	Urgent Notice Payment Request for Past Due Bill	22327-E
101-00753/4	02-04	Urgent Notice Payment Request for Returned Payment	16948-E
101-00753/3	02-04	Urgent Notice Payment Request for Final Bill.	16949-E
10 1-00/ 00/0	02-04	Urgent - Sign Up Notice for Service	16950-E
101 0075277	02-04	Reminder Notice – Payment Request for Past Due Bill	16951-E
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Issued by Lee Schavrien Senior Vice President Regulatory Affairs

(Continued)

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