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July 21, 2014

ADVICE LETTER 2630-E
(U 902-E)

PUBLIC UTILITIES COMMISSION OF THE STATE OF CALIFORNIA

SUBJECT: MODIFICATIONS OF SAN DIEGO GAS & ELECTRIC COMPANY'S NET ENERGY METERING TARIFFS AND RELATED FORMS PURSUANT TO SENATE BILL 594 ADD RESOLUTIONS E-4665 AND E-4610

San Diego Gas & Electric Company ("SDG&E") hereby submits for approval to the California Public Utilities Commission ("Commission") the following revisions to its electric tariffs as shown in the enclosed Attachment A.

PURPOSE

Pursuant to Resolution E-4665, approved by the Commission on July 10, 2014, SDG&E is submitting this Tier 1 Advice Letter ("AL") to enable Net Energy Metering ("NEM") multiple meter aggregation (referred herein as "NEM Aggregation"). Resolution E-4665, consistent with Senate Bill ("SB") 594 (Wolk, 2012) and Resolution E-4610, approves with modifications SDG&E's AL 2529-E and 2529-E-A. For administrative ease, the entire Schedule NEM is included in this AL.

BACKGROUND

On October 21, 2013, SDG&E submitted AL 2529-E, revising its Net Energy Metering ("NEM") tariff to enable NEM Aggregation pursuant to SB 594 and Resolution E-4610. On the same date, Southern California Edison Company ("SCE") and Pacific Gas & Electric Company ("PG&E") filed similar advice letters, numbered SCE AL 2952-E and PG&E AL 4305-E, respectively.

Several letters of protest were submitted to Energy Division regarding the utility advice letters. On November 8, 2013, Natel Energy submitted its protest to SDG&E's AL 2529-E. Similarly, on November 12, 2013 the City of San Diego ("the City"), California Farm Bureau Federation ("Farm Bureau"), Interstate Renewable Energy Council ("IREC"), Solar Energy Industries Association ("SEIA") and SolarCity also submitted protests of AL 2529-E. Pursuant to Rules 7.4.3 and 7.4.4 of the Commission's General Order ("GO") 96-B, on November 19, 2013 SDG&E submitted its Response to the protests of Advice Letter 2529-E. SCE and PG&E similarly responded to protests of their respective ALs on the same date.

SDG&E, along with SCE and PG&E, participated in several discussions with the Energy Division in an attempt to resolve the issues raised in the protests. On December 16, 2013, Energy Division sent a letter to the utilities requesting that they make certain specified changes to their respective ALs via supplemental filings.

Shortly thereafter, at the request of Energy Division, the IOUs filed supplemental ALs: SDG&E AL 2529-E-A on January 15, 2014, and PG&E AL 4305-E-A and SCE AL 2952-E-A on January 16, 2014. Again, parties filed protests of these ALs.

The IOUs worked in good faith with the Energy Division to attempt to resolve many of the protest issues. While Energy Division approved PG&E's AL 4305-E and 4305-E-A by a disposition letter dated February 20, 2014, both SDG&E's and SCE's supplemental ALs left some contested issues unresolved. Resolution E-4665 modifies SDG&E's and SCE's supplemental ALs and approves those modifications.

PROPOSED CHANGES

SDG&E is adding Special Condition 8 to its Schedule NEM to enable NEM Aggregation. Included in Special Condition 8 is the Commission's disposition of issues such as the interpretation of "adjacent and continuous" definition, bill credit allocation method, billing service charges, clarification with respect to the permanent prohibition on Net Surplus Compensation ("NSC") for aggregated facilities, non-NEM eligible generator with NEM Aggregation Agreements, and whether existing NEM customers electing NEM Aggregation who also have executed interconnection agreements should be required to complete new interconnection agreements.

Also included are updated forms 117-2160, 142-02760.5, 142-02466 and 142-02769, for which customers electing NEM Aggregation can provide necessary information to establish their NEM aggregated arrangement.

EFFECTIVE DATE

This filing is classified as a Tier 1 (effective pending disposition) pursuant to GO 96-B. SDG&E respectfully requests that this filing become effective on July 21, 2014, the date filed.

PROTEST

Anyone may protest this Advice Letter to the California Public Utilities Commission. The protest must state the grounds upon which it is based, including such items as financial and service impact, and should be submitted expeditiously. The protest must be made in writing and must be received no later than August 10, 2014 which is 20 days of the date this Advice Letter was filed with the Commission. 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 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 list R.12-11-005 and R.10-05-004 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) 654-1879 or by e-mail at SDG&ETariffs@semprautilities.com.

CLAY FABER
Director – Regulatory Affairs

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: Christina Sondrini

Phone #: (858) 636-5736

E-mail: csondrini@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) #: 2630-E

Subject of AL: Modification of SDG&E's Net Energy Metering Tariffs and Related Forms Pursuant to Senate Bill 594, Resolutions E-4610 and E-4665

Keywords (choose from CPUC listing): Compliance, NEM

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

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

SB 594, Resolutions E-4610 & E-4665

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: N/A

Resolution Required? Yes No

Tier Designation: 1 2 3

Requested effective date: 7/21/14

No. of tariff sheets: 26

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, Forms 117-2160, 12-02760.5, 142-02766, 142-02769 & TOC

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
EDTariffUnit@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

S. Cauchois
R. Pocta
W. Scott

Energy Division

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

CA. Energy Commission

F. DeLeon
R. Tavares

Alcantar & Kahl LLP

K. Cameron

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

Children's Hospital & Health Center

T. Jacoby

City of Poway

R. Willcox

City of San Diego

J. Cervantes
G. Lonergan
M. Valerio

Commerce Energy Group

V. Gan

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

Dynergy, 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

Pacific Gas & Electric Co.

J. Clark

M. Huffman

S. Lawrie

E. Lucha

Pacific Utility Audit, Inc.

E. Kelly

San Diego Regional Energy Office

S. Freedman

J. Porter

School Project for Utility Rate Reduction

M. Rochman

Shute, Mihaly & Weinberger LLP

O. Armi

Solar Turbines

F. Chiang

Southern California Edison Co.

M. Alexander
K. Cini
K. Gansecki
H. Romero

TransCanada

R. Hunter
D. White

TURN

M. Hawiger

UCAN

D. Kelly

U.S. Dept. of the Navy

K. Davoodi

N. Furuta

L. DeLacruz

Utility Specialists, Southwest, Inc.

D. Koser

Western Manufactured Housing

Communities Association

S. Dey

White & Case LLP

L. Cottle

Interested Parties In:

R.12-11-005

R.10-05-004

ATTACHMENT A
ADVICE LETTER 2630-E

Cal. P.U.C. Sheet No.	Title of Sheet	Canceling Cal. P.U.C. Sheet No.
Revised 25272-E	SCHEDULE NEM, NET ENERGY METERING, Sheet 1	Revised 24901-E Revised 24067-E
Revised 25273-E	SCHEDULE NEM, NET ENERGY METERING, Sheet 2	Revised 24902-E Revised 24068-E
Revised 25274-E	SCHEDULE NEM, NET ENERGY METERING, Sheet 3	Revised 24903-E Revised 24069-E
Revised 25275-E	SCHEDULE NEM, NET ENERGY METERING, Sheet 4	Revised 24904-E Revised 24070-E
Revised 25276-E	SCHEDULE NEM, NET ENERGY METERING, Sheet 5	Revised 24071-E
Revised 25277-E	SCHEDULE NEM, NET ENERGY METERING, Sheet 6	Revised 24072-E
Revised 25278-E	SCHEDULE NEM, NET ENERGY METERING, Sheet 7	Revised 24905-E Revised 24073-E
Revised 25279-E	SCHEDULE NEM, NET ENERGY METERING, Sheet 8	Revised 24906-E Revised 24074-E
Revised 25280-E	SCHEDULE NEM, NET ENERGY METERING, Sheet 9	Revised 24075-E
Revised 25281-E	SCHEDULE NEM, NET ENERGY METERING, Sheet 10	Revised 24907-E Revised 24076-E
Revised 25282-E	SCHEDULE NEM, NET ENERGY METERING, Sheet 11	Original 24908-E Original 24077-E
Revised 25283-E	SCHEDULE NEM, NET ENERGY METERING, Sheet 12	Original 24909-E Original 24078-E
Revised 25284-E	SCHEDULE NEM, NET ENERGY METERING, Sheet 13	Original 24079-E
Revised 25285-E	SCHEDULE NEM, NET ENERGY METERING, Sheet 14	Original 24080-E
Revised 25286-E	SCHEDULE NEM, NET ENERGY METERING, Sheet 15	Original 24081-E
Revised 25287-E	SCHEDULE NEM, NET ENERGY METERING, Sheet 16	Original 24082-E
Original 25288-E	SCHEDULE NEM, NET ENERGY METERING, Sheet 17	
Original 25289-E	SCHEDULE NEM, NET ENERGY METERING, Sheet 18	
Revised 25290-E	SAMPLE FORMS, FORM 117-2160, Sheet 1	Revised 24923-E
Revised 25291-E	SAMPLE FORMS , FORM 142-02760.5, Sheet 1	Revised 24927-E
Revised 25292-E	SAMPLE FORMS, FORM 142-02766, Sheet 1	Revised 23809-E Original 23273-E

ATTACHMENT A
ADVICE LETTER 2630-E

Cal. P.U.C. Sheet No.	Title of Sheet	Canceling Cal. P.U.C. Sheet No.
Revised 25293-E	SAMPLE FORMS, FORM 142-02769, Sheet 1	Original 24083-E
Revised 25294-E	TABLE OF CONTENTS, Sheet 1	Revised 25249-E
Revised 25295-E	TABLE OF CONTENTS, Sheet 5	Revised 25245-E
Revised 25296-E	TABLE OF CONTENTS, Sheet 8	Revised 24934-E
Revised 25297-E	TABLE OF CONTENTS, Sheet 10	Revised 25070-E



San Diego Gas & Electric Company
San Diego, California

	Revised	Cal. P.U.C. Sheet No.	25272-E
	Revised		24901-E
Canceling	Revised	Cal. P.U.C. Sheet No.	24067-E

SCHEDULE NEM
NET ENERGY METERING

Sheet 1

APPLICABILITY

Pursuant to California Public Utilities Code (PU Code) Section 2827, this schedule is applicable to a residential, small commercial (as defined in subdivision (h) of Section 331 of the PU Code), commercial, industrial, or agricultural customer who uses a Renewable Electrical Generation Facility, as defined in Special Condition 1.b, or a combination of those facilities, with a total capacity of not more than 1,000 kilowatts (kW) (also referred herein as 1 megawatt [MW]) that is located on the customer's owned, leased, or rented premises, is interconnected and operates in parallel with the Utility's transmission and distribution systems, and is intended primarily to offset part or all of the customer's own electrical requirements (hereinafter "eligible customer-generator" or "customer"). Certain incremental billing and metering costs set forth in this schedule that are related to net energy metering are applicable to Energy Service Providers (ESPs) serving eligible customer-generators.

This schedule shall be available to eligible customer-generators, upon request, on a first-come-first-served basis until the earlier of July 1, 2017 or when SDG&E reaches its NEM program limit. Pursuant to Assembly Bill 327, PU Code Section 2827(c)(4)(B)(i), SDG&E will reach its program limit when the combined total peak demand of all electricity used by eligible customer-generators in SDG&E's service area, furnishing net energy metering to eligible customer-generators, receiving service under Schedules NEM, NEM-V and VNM-A, exceeds 5% of SDG&E's aggregate customer peak demand. Aggregated customer peak demand is defined for this purpose as the highest sum of all SDG&E's customers' non-coincident peak demands that occurs in any calendar year. In accordance with Public Utilities Code Section 2827(c)(4)(B)(i), SDG&E's program limit may not be less than 607 MW of nameplate generating capacity available to eligible customer-generators. Customers who have completed and submitted the required interconnection-related documentation to SDG&E prior to the date SDG&E reaches its NEM program limit or July 1, 2017, whichever is earlier, are subject to the transition provisions as provided in Special Condition 7. This Schedule will be closed to new customers on the earlier of when SDG&E reaches its program limit or July 1, 2017. SDG&E will provide service under a successor tariff to this Schedule, which will be developed pursuant to PU Code Section 2827.1(b), for eligible customer-generators who: (1) complete the required interconnection documentation after SDG&E reaches its program limit or July 1, 2017, whichever is earlier; or (2) are eligible for the transition period, but elect to take service under the successor tariff.

This service is not applicable to a Direct Access (DA) customer where the customer's ESP does not offer a net energy metering tariff. In the event a DA customer's ESP does not offer an NEM Aggregation service, as described in Special Condition 8, the customer shall not be eligible for NEM Aggregation service under this rate schedule. In addition, if an eligible customer-generator participates in direct transactions with an electric provider that does not provide distribution service for the direct transactions, the electric provider, and not the Utility, is obligated to provide net energy metering to the customer (also see Special Condition 3.e).

Pursuant to Decision 08-02-002 and notwithstanding all applicable terms and conditions contained herein, to the extent a Community Choice Aggregator (CCA) offers a net energy metering tariff, Utility shall provide applicable NEM services under this schedule to an eligible CCA customer-generator consistent with services provided to its bundled service eligible customer-generators. As a condition of receiving service under this schedule, the CCA shall be responsible for timely providing the applicable generation-related bill charges or credits for each CCA customer-generator to the utility. Each eligible CCA customer-generator shall look to its CCA for NEM services related to the electric generation charges and credits that result from receiving services under this schedule. The CCA shall also be responsible for the applicable generation-related bill credit structure associated with this service option and providing the CCA customer-generator with the applicable generation-related bill credit.

Schedule NEM applies also to specified Net Energy Metering eligible (NEM-eligible) generators in a Generating Facility comprised of multiple NEM- and non-NEM-eligible generators, served through the same Point of Common Coupling (PCC), where the NEM-eligible generating capacity is not more than 1 MW. Such facilities will be referred to as Multiple Tariff Facilities, and any group of generators within such a facility that are subject to the same tariff provisions for billing and metering purposes will be referred to as a Constituent Generator Group. In order to be eligible for this rate schedule in a Multiple Tariff Facility, the customer-generator must meet all the requirements of Special Condition 6 for the schedule NEM-eligible generator, and must also meet any other applicable tariffs. Customer-generator must also complete a Generating Facility Interconnection Agreement (Multiple Tariff) (Form 117-2160).

(Continued)

1P5	Issued by	Date Filed	Jul 21, 2014
Advice Ltr. No.	Lee Schavrien	Effective	
	Senior Vice President		
Decision No.		Resolution No.	E4665, E-4610



SCHEDULE NEM
NET ENERGY METERING

APPLICABILITY (Continued)

Due to the complexity of Multiple Tariff Facilities and/or NEM Aggregation, NEM-eligible generators interconnecting under the provisions of Special Condition 6 may require additional review and/or interconnection facilities and other equipment, and may incur interconnection costs, as provided for in electric Rule 21.

Schedule NEM applies to an eligible customer-generator with multiple meters that may elect to aggregate the electrical load of the meters located on the customer's owned, leased, or rented property where the renewable electrical generation facility is located. Such program will be referred to as NEM Aggregation. To be eligible for NEM Aggregation, an eligible customer-generator must meet all the requirements in Special Condition 8 and complete NEM Aggregation Form 142-02769.

As of January 1, 2010, a customer who owns, rents or leases a premises that includes a Renewable electrical generation facility, or a combination of those facilities with a capacity of 30kW or less, that were previously approved by SDG&E for NEM interconnection prior to the customer moving in and/or taking electric service with SDG&E (Change of party customer) will take service on this tariff as long as the requirements of this section are met.

To be eligible, the Change of party customer must: 1) ensure that the Generating Facility is compliant with all applicable safety and performance standards as delineated in SDG&E's Electric Rule 21 and other applicable tariffs; 2) keep in force the amount of property, commercial general liability and/or personal liability insurance the Change of party customer has in place at the time they initiate service on this tariff; 3) understand that SDG&E may from time to time release to the California Energy Commission and/or the California Public Utilities Commission (Commission), information regarding the Change of party customer's facility, including Change of party customer's name and Generating Facility location, capacity and operational characteristics.

Change of party customers making any modification to previously approved SDG&E NEM Renewable electrical generation facility are not eligible for this provision and must complete the interconnection process in Special Condition 4 and 7 of this tariff.

Change of party customers also must agree to comply with all rules and requirements of SDG&E's Net Energy Metering tariffs.

When the builder/developer of a subdivision sells a new home during the NEM application process, after the builder/developer completes the Net Energy Metering Application and Interconnection Agreement for customers with Solar and/or Wind Generating Facility of 30kW or Less (Form 142-02765) and otherwise meets all of SDG&E's requirements for the NEM interconnection, but prior to SDG&E providing final written approval for Parallel Operation on Schedule NEM, SDG&E may treat the new home owner/customer as a Change of party customer, as defined above.

TERRITORY

Within the entire territory served by the Utility.

RATES

All rates charged on this schedule will be in accordance with the eligible customer-generator's otherwise applicable metered rate schedule (OAS). An eligible customer-generator served under this schedule is responsible for all charges from its OAS including monthly billed minimum charges, customer charges, meter charges, facilities charges, energy and demand charges, and excluding any adjustments due to power factor provisions. Applicable demand charges are defined in the OAS.

(Continued)

2P7	Issued by	Date Filed	Jul 21, 2014
Advice Ltr. No.	Lee Schavrien	Effective	
	Senior Vice President		
Decision No.		Resolution No.	E4665, E-4610



SCHEDULE NEM

Sheet 3

NET ENERGY METERING

RATES (Continued)

Customers eligible for service under this schedule are not required to take service under Schedule S, Standby Service, or Schedule S-I, Standby Service-Interruptible, for the qualifying generators. Multiple Tariff Facilities that are interconnected under the terms of Special Condition 6 may be subject to the requirements of Schedule S or S-I. To the extent that charges for transmission and distribution services are recovered through demand charges in any billing period, no standby charges shall apply in that monthly billing cycle, except Multiple Tariff Facilities interconnected under the terms of Special Condition 6 may be subject to the requirements of Schedules S or S-I.

The charges and credits for Multiple Tariff Facilities taking service on this rate schedule under the provisions of Special Condition 6 will be calculated using the OAS identified by the eligible NEM customer-generator in its application for interconnection and its interconnection agreement with SDG&E or as subsequently changed by the eligible NEM customer-generator in accordance with SDG&E's Electric Rule 12.

Customer-generators with Multiple Tariff Facilities with existing NEM and/or NEM-FC eligible generators interconnecting additional generators, will receive a bill true-up prior to taking service under Special Condition 7. This ensures that all NEM accounts have the same Relevant Period, as defined in Special Condition 3, going forward.

The charges and credits for customer-generators electing NEM Aggregation under the provisions of Special Condition 8 will be calculated using the current OAS in affect for each service. In the event one or more of the accounts to be aggregated is currently receiving NEM service under this schedule, to ensure that all accounts in the aggregation arrangement have the same Relevant Period, the accounts will be trued-up prior to taking service under Special Condition 8.

All NEM-eligible customer-generators are responsible for Public Purpose Program (PPP) charges based on the net energy delivered by the Utility.

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

SPECIAL CONDITIONS

1. Definitions: The definitions of terms used in this schedule are either found herein or in Rule 1, Rule 21, or the customer's OAS.
 - a. Otherwise Applicable Schedule ("OAS"): The NEM-eligible customer-generator's regularly filed rate schedule under which service is rendered.
 - b. Renewable Electrical Generation Facility: A facility that generates electricity from a renewable source listed in paragraph (1) of subdivision (a) of Section 25741 of the Public Resources Code. These sources are biomass, solar thermal, photovoltaic, wind, geothermal, fuel cells using renewable fuels, small hydroelectric generation (only if facility will not cause an adverse impact on instream beneficial uses or cause a change in the volume or timing of streamflow), digester gas, municipal solid waste conversion, landfill gas, ocean wave, ocean thermal, or tidal current, and any additions or enhancements to the facility using that technology.

(Continued)

3P5	Issued by	Date Filed	Jul 21, 2014
Advice Ltr. No.	Lee Schavrien	Effective	
	Senior Vice President		
Decision No.		Resolution No.	E4665, E-4610



SCHEDULE NEM
NET ENERGY METERING

SPECIAL CONDITIONS (Continued)

2. Metering Equipment: Multiple Tariff Facilities will be metered under one of the options in Special Condition 6. All other Net Energy Metering shall be accomplished using a single meter capable of registering the flow of electricity in two directions. If the eligible customer-generator's existing electrical meter is not capable of registering the flow of electricity in two directions, the eligible customer-generator shall be responsible for all expenses involved in purchasing and installing a meter that is able to register electricity flow in two directions.

An additional meter or meters, installed in a dual meter socket ("dual metering"), to monitor the flow of electricity in each direction, may be installed with the consent of the eligible customer-generator, at the expense of the Utility, and the dual metering shall be used only to provide the information necessary to accurately bill or credit the customer according to the Utility's OAS or to collect electric generating system(s) performance information for research purposes. The Utility shall determine whether dual metering is required under this provision. If dual metering is installed, the net energy metering calculation (see below) shall yield a result identical to that of a single meter capable of registering the flow of electricity in two directions. The Utility shall not require dual metering except where necessary for billing accuracy. If none of the normal metering options available at the Utility's disposal, which are necessary to render accurate billing, are acceptable to the eligible customer-generator, the Utility shall have the right to refuse interconnection.

3. Net Energy Metering and Billing: Facilities qualifying under multiple tariffs, see Special Condition 6. Eligible customer-generators qualifying for and electing NEM Aggregation, see Special Condition 8. 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 and provide compensation 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 Conditions 3(h) and 3(i), 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.

The eligible customer-generator's OAS shall apply to the value of any net monthly consumption or production as follows:

(Continued)



SCHEDULE NEM
NET ENERGY METERING

SPECIAL CONDITIONS (Continued)

3. Net Energy Metering and Billing: (Continued)

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.

b) Time-of-Use: If the customer is a net generator during any discrete time-of-use (TOU) period, the net kWh produced shall be valued at the appropriate TOU rates charged other customers under the same OAS. If the customer is a net consumer during any discrete TOU period, the net kWh consumed shall be billed at the appropriate TOU rates charged other customers under the same OAS.

c) Annual and Monthly Billing: If the Utility supplies the eligible customer-generator with electric energy, the Utility shall provide the eligible customer-generator with net energy consumption information with each regular bill. That information shall include the current monetary balance owed to the Utility for the net energy consumed since the last Relevant period ended. Eligible residential and small commercial customer-generators may pay monthly or annually for the net energy consumed. For all other commercial, industrial, and agricultural customers, the net balance of all moneys owed must be paid monthly. The net value of energy exported over a monthly billing cycle shall be carried over to the following billing period and appear as a credit on the eligible customer-generator's account, until the end of the Relevant Period.

For CCA, at the end of each relevant period, the Utility and CCA shall complete an annual true up of all charges and credits calculated monthly, consistent with the provisions set forth under this schedule. Credits and charges related to the CCA's generation services shall be based on the information provided by the CCA to the Utility. Credits and charges related to services provided by the Utility shall be based on the Utility's rates. Any net balance related to generation charges that are collected from an eligible NEM CCA customer-generator will be paid annually by the Utility to the CCA as set forth in Rule 27, Section Q, which describes the payment and collection terms between the Utility and a CCA customer. The charges or credits resulting from a CCA's generation services shall not be co-mingled with charges or credits resulting from services provided by the Utility.

A customer receiving service on this rate schedule shall not be eligible for the Level Pay Plan option set forth in Rule 9.

d) Cost Responsibility Surcharge (CRS): Pursuant to D.03-04-030, eligible customer-generators shall pay the DWR charges and CTC (collectively CRS) on the net energy delivered by the Utility, as set forth in Schedule CGDL-CRS.

(Continued)



SCHEDULE NEM
NET ENERGY METERING

Sheet 6

SPECIAL CONDITIONS (Continued)

3. Net Energy Metering and Billing: (Continued)

- e) ESP Charges: The charges for all energy components for eligible customer-generators shall be based exclusively on the eligible customer-generator's net energy consumption over a Relevant Period, without regard to the eligible customer-generator's choice of ESP. If the eligible customer-generator switches its ESP during a Relevant Period, the prior ESP shall reconcile the customer generator's consumption and export of electricity for the applicable part of the current Relevant Period and the new Relevant Period will begin with respect to service provided by the eligible customer-generator's new ESP. The Utility will recover the incremental metering and billing service costs associated with Net Energy Metering from the customer's ESP.
- f) CCA Charges: If the eligible customer-generator switches its commodity provider during the Relevant Period, the previous commodity provider shall reconcile the customer generator's consumption and a new relevant period will begin with respect to service provided by the eligible customer-generator's new commodity provider, if applicable.
- 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 (AB) 920, starting January 1, 2011, a NEM customer with "net surplus electricity" (all electricity generated by an eligible customer measured in kilowatt-hours 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:

$$\text{NSC} = \text{Value of Electricity} + \text{Value of Renewable Energy Credits (if applicable)}$$

(i) Value of the Electricity -

$$\text{Value of Electricity} = \text{Net surplus kWhs} \times \text{DLAP price}$$

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.

(Continued)



SCHEDULE NEM
NET ENERGY METERING

SPECIAL CONDITIONS (Continued)

3. Net Energy Metering and Billing: (Continued)

i) Compensation for net surplus energy (Continued)

(i) Value of the Electricity – (Continued)

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 –

$$\text{Value of Renewable Energy Credits} = \text{Net surplus kWhs} \times \text{Average Renewable Premium}$$

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>.

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.

(Continued)

7P6

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SCHEDULE NEM
NET ENERGY METERING

Sheet 8

SPECIAL CONDITIONS (Continued)

3. Net Energy Metering and Billing: (Continued)

ii) Greenhouse Gas Allowance Revenue Return

For customers eligible under Schedule GHG-ARR, volumetrically-based California (CA) Climate Credits will net when customers generate. Checks issued to NEM customers electing an off-bill payment for Net Surplus Compensation will incorporate any remaining CA Climate Credits.

4. Interconnection: 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

5. Multiple Tariff Facility:

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 J.3.
- 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 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 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) 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

Sheet 9

SPECIAL CONDITIONS (Continued)

5. Multiple Tariff Facility: (Continued)

e) Billing Credits: (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.

A Generating Facility is not a Multiple Tariff Facility 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 Generation Rate Component credits from NEM-FC generators (if any) as appropriate, to the remainder of generation component charges on the account served by the Generating Facility (Host Account).
- b) Second, apply NEM Generating Facility credits to energy charges of the accounts served by the Generating Facility.

f) 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.

(Continued)

9P4

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SCHEDULE NEM
NET ENERGY METERING

Sheet 10

SPECIAL CONDITIONS (Continued)

5. Multiple Tariff Facility: (Continued)

f) Multiple Tariff Facility Configurations and Metering. (Continued)

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 a Constituent Generator Group eligible for Schedule NEM for Renewable electrical generating facility the customer-generator may elect to take service for such under either Schedule NEM or Schedule 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.

6. 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) Renewable Electric Generating Facility) shall complete and submit a copy of form 142-02763 – NEM/VNM-A 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.

(Continued)

10P5

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SCHEDULE NEM
NET ENERGY METERING

SPECIAL CONDITIONS (Continued)

7. Transition Process: This Special Condition applies to all customers who are receiving service on this Schedule on the earlier of July 1, 2017 or when SDG&E reaches its program limit

a) 20-Year Transition Period

Pursuant to Decision 14-03-041, customers who are receiving service on this Schedule on the earlier of July 1, 2017 or when SDG&E reaches its program limit are eligible to continue receiving service on this Schedule for a period of 20 years from the original year of interconnection of the renewable electrical generating facility, which is indicated by and measured from the date on which the customer receives the Authorization to Operate in Parallel (ATO) letter from SDG&E. The date of the ATO letter indicates the year in which a system was interconnected for purpose of the transition. Eligible customers that complete a NEM interconnection application, including the final building inspection, prior to SDG&E reaching its program limit or July 1, 2017, whichever is earlier, will be eligible for the transition period once they receive their ATO letter, even if the ATO date is after SDG&E reaches its program limit or July 1, 2017.

The transition period will commence on the date of the ATO letter and will conclude on the date SDG&E completes the annual billing true-up at the end of the Relevant Period (true-up date) following the 20 years.

Customers receiving service under this Schedule have the ability to transition to the successor tariff before the end of their transition period, if they choose to do so. Customers who elect to move to the successor tariff prior to the expiration of their 20-year transition period may not later move back to this Schedule and forfeit continued eligibility for the transition period.

After the 20-year transition period is realized, customers will move onto the successor tariff and this Schedule will be closed to those customers.

b) Modifications

Renewable electrical generating facilities that are modified or repaired prior to the earlier of July 1, 2017 or when SDG&E reaches its program limit shall remain eligible for the remainder of the original transition period, as measured by the ATO date of the original renewable electrical generating facility.

Modifications or repairs that occur after the earlier of July 1, 2017 or when SDG&E reaches its program limit that increase the system's generation by more than the greater of 10% of the renewable electrical generating facility's capacity at the time the customer receives the ATO letter or 1 kW, not to exceed a total generation capacity of 1 MW, and are sized to meet but not exceed the customer's annual onsite load, may either choose to meter the additions separately under the successor tariff or elect for the whole renewable electrical generating facility to take service under the successor tariff.

(Continued)



SCHEDULE NEM
NET ENERGY METERING

SPECIAL CONDITIONS (Continued)

7. Transition Process: (Continued)

c) Transferability

Renewable electric generating facilities eligible for the 20-year transition period shall not lose eligibility if transferred to a new owner, operator, or utility account at the original location. Transfer of an existing renewable electrical generating system to a new location would require a new interconnection agreement and would not qualify for the 20-year transition period after the implementation of the NEM successor tariff.

d) Treatment of Energy Storage Systems

To the extent the eligible energy storage systems are granted interconnection exemptions under this Schedule, they will be treated in the same way, and subject to the same 20-year transition period, as the underlying renewable electrical generating facilities to which they are connected.

8. NEM Aggregation: Except as otherwise provided for below under this Special Condition, all other terms and conditions of Schedule NEM shall be applicable to customers receiving service under this Special Condition. Pursuant to PU Code Section 2827(h)(4), an eligible customer-generator with multiple meters may elect to aggregate the electrical load of the meters located on the property where the Renewable Electrical Generation Facility, as defined below, is located, and on all property adjacent or contiguous to the property on which the Renewable Electrical Generation Facility is located, provided that all properties are solely owned, leased, or rented by the eligible customer-generator. All of the following additional conditions are applicable to an eligible customer-generator that elects to aggregate its electric load pursuant to this Special Condition (NEM Aggregation Customer):

a) Definitions:

1) NEM Aggregated Account(s): the eligible account(s) associated with the eligible meters, as identified by the customer whose load will be aggregated for the purpose of applying NEM Aggregation that are listed on NEM Aggregation Form 142-02769.

2) Generating Account: an account with an associated Renewable Electrical Generating Facility.

3) Aggregated Arrangement: A single Generating Account and all NEM Aggregated Accounts identified by the NEM Aggregation Customer on the NEM Aggregation Form.

4) As used in this Special Condition, the terms "Property" and "Parcel" have the same meaning.

b) An eligible customer-generator electing service under this Special Condition is subject to the following:

1) NEM Aggregation Customers must continue to meet the definition of an eligible customer-generator found in PU Code Section 2827(b)(4) in order to additionally qualify for NEM Aggregation.

(Continued)

12P6

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SCHEDULE NEM
NET ENERGY METERING

SPECIAL CONDITIONS (Continued)

8. NEM Aggregation (Continued)

b) An eligible customer-generator electing service under this Special Condition is subject to the following: (Continued)

2) NEM Aggregation Customers may elect to receive service under this Special Condition provided that all meters in the Aggregated Arrangement are located on parcels that are part of an unbroken chain of contiguous parcels that are solely owned, leased or rented by the NEM Aggregation Customer. For the purposes of NEM Aggregation, parcels that are divided by a street, highway, or public thoroughfare are considered contiguous, provided they are within an unbroken chain of otherwise contiguous parcels and under the same ownership or lease, as verified in Form 142-02769. In all instances where a NEM Aggregation Customer receives NEM Aggregation service, contiguous properties must be under the same ownership or lease.

For example, if there are three parcels (A, B and C), all of which are solely owned, leased or rented by the NEM Aggregation Customer, where A contains the Renewable Electrical Generating Facility and A abuts B, B abuts C, but A and C are separated by B, then the loads of all three parcels shall be eligible to participate in NEM Aggregation. Refer to Diagram 1 (for illustrative purposes only). In addition, if there are five parcels (A, B, C, D and E) that form a cluster of contiguous parcels, where A contains the Renewable Electrical Generating Facility, and D and E are separated from A, B, and C by a street, highway or public thoroughfare, for the purposes of participating in NEM Aggregation only, all five parcels are considered contiguous, provided they are otherwise contiguous and all are solely owned, leased or rented by the Customer. Refer to Diagram 2 (for illustrative purposes only).

Diagram 1

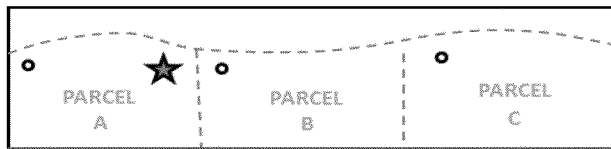
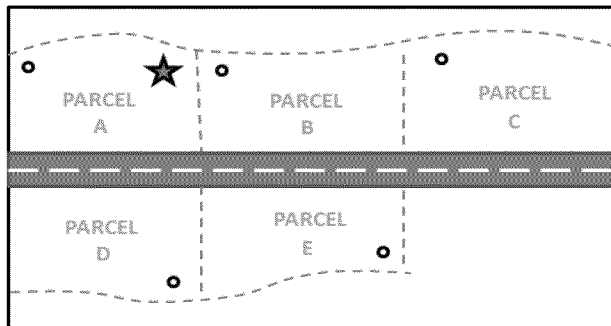


Diagram 2



- ★ = RENEWABLE ELECTRICAL GENERATION FACILITY
- = METER
- = ELIGIBLE

(Continued)

13P5

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SCHEDULE NEM
NET ENERGY METERING

Sheet 14

SPECIAL CONDITIONS (Continued)

8. NEM Aggregation (Continued)

- b) An eligible customer-generator electing service under this Special Condition is subject to the following: (Continued)
 - 3) All Meters in an Aggregated Arrangement must be located on the same property and adjacent or contiguous property as the Renewable Electrical Generating Facility or facilities.
 - 4) All meters in an Aggregated Arrangement must be billing under the name of the same customer of record.
 - 5) Existing NEM customers electing NEM Aggregation who also have executed interconnection agreements and who are making no modifications to their Renewable Electrical Generating Facility other than electing NEM Aggregation will not be required to complete new interconnection agreements and will not be subject to additional interconnection studies.
 - 6) A Renewable Electrical Generation Facility, or a combination of Renewable Electrical Generation Facilities, shall not exceed a total generating capacity of 1 MW, as determined by the CEC Alternating Current nameplate capacity rating.
 - 7) If an NEM Aggregated Account is separated from the Aggregated Arrangement and subsequently qualifies for NEM, it is also eligible to receive net surplus electricity compensation on a going-forward basis, provided it meets all other applicable NEM eligibility criteria.
 - 8) In accordance with all of the applicable Utility tariffs, including but not limited to Rule 21, and any other regulations and laws governing the interconnection, NEM Aggregated Accounts are permitted to be equipped with non-NEM eligible generating facilities.
 - 9) NEM Aggregation Customers shall be responsible for remitting payment to the Utility for the costs of providing NEM Aggregation billing services.
 - 10) The Utility may request additional information from customers and conduct research to ensure compliance with all applicable statutes and tariffs, including but not limited to traditional NEM and NEM Aggregation requirements. If the Utility determines that an existing or prospective NEM Aggregation Customer is not in compliance with all applicable statutes and tariff provisions, including but not limited to traditional NEM and NEM Aggregation requirements, the Utility may refuse or discontinue service under NEM Aggregation.
- c) Interconnection: If an eligible customer-generator elects to receive NEM Aggregation service and satisfies the requirements in paragraph (c) of this Special Condition and the applicable statutes and tariffs, the eligible customer-generator will be subject to the following interconnection process:
 - 1) NEM Aggregation Customers shall have an effective interconnection agreement with the Utility.

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14P4

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SCHEDULE NEM
NET ENERGY METERING

SPECIAL CONDITIONS (Continued)

8. NEM Aggregation (Continued)

c) Interconnection: (Continued)

- 2) As applicable, the NEM Aggregation Customer will indicate its election of NEM Aggregation on either Form 142-02765 (NEM Application and Interconnection Agreement for Electric Generating Facilities of 30 Kilowatts or Less) or Form 142-02766 (NEM Application and Interconnection Agreement for Electric Generating Facility Greater than 30 Kilowatts up to 1000 Kilowatts). In addition, the NEM Aggregation Customer will complete the NEM Aggregation Form (Form number 142-02769). The NEM Aggregation Form (1) requests a list of meters and accounts the NEM Aggregation Customer intends to include in the Aggregated Arrangement; (2) requires the NEM Aggregation Customer to select the preferred method for interconnecting to the electrical grid; and (3) includes a declaration the NEM Aggregation Customer must sign acknowledging and verifying the that the conditions set forth in paragraph (c) of this Special Condition have been met.
- 3) The NEM Aggregation Customer must select which of the two methods offered for interconnecting to the Utility's grid is preferred: interconnecting via a billing account meter – Billing Account Method or a Net Generator Output Meter (NGOM) – NGOM Method.
 - a) Billing Account Method: This interconnection method follows the standard interconnection model applicable to non-multiple tariff NEM customers receiving service under this rate schedule. No additional metering equipment is necessary for interconnecting under this method. Payment of all costs for any system upgrades required for an Aggregated Arrangement shall be the responsibility of the NEM Aggregation Customer.
 - b) NGOM Method: Under this method, the NEM Aggregation Customer shall be responsible for paying a one-time, upfront, charge, adjusted to include the factors described in the Special Facilities section of Electric Rule 2 and calculated based on all costs associated with:
 - a. connecting the Renewable Electrical Generating Facility directly to SDG&E's distribution system;
 - b. installing a SDG&E-owned NGOM capable of recording generation in 15-minute intervals;
 - c. applicable disconnect/reconnect procedure charges requested by the customer, any wiring, trenching, conduit; and
 - d. any other facility costs incurred by SDG&E to interconnect the Renewable Electrical Generating Facility.

The location of the customer's equipment necessary for the installation of the NGOM shall be approved by the Utility, and will normally be grouped with the service and metering equipment for one or more existing SDG&E-owned meters. The Utility will measure the generation output from the Renewable Electrical Generating Facility and assign each Aggregated Account the appropriate credit based on the monthly usage of each Aggregated Account.

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SCHEDULE NEM
NET ENERGY METERING

SPECIAL CONDITIONS (Continued)

8. NEM Aggregation (Continued)

c) Interconnection: (Continued)

3) The NEM Aggregation Customer must select which of the two methods offered for interconnecting to the Utility's grid is preferred: interconnecting via a billing account meter – Billing Account Method or a Net Generator Output Meter (NGOM) – NGOM Method. (Continued)

b) NGOM Method: Under this method, the NEM Aggregation Customer shall be responsible for paying a one-time, upfront, charge, adjusted to include the factors described in the Special Facilities section of Electric Rule 2 and calculated based on all costs associated with: (Continued)

If there is any load behind the NGOM in addition to incidental load related to the operation of the NEM Aggregation Customer, the Utility may require, at the expense of the NEM Aggregation Customer, the purchase and installation of metering equipment necessary to determine the total generation and total usage at the interconnection point. Usage shall be billed as a usage account to ensure that all eligible generation output is allocated and that netting only occurs after credits have been allocated.

The current cost of an NGOM varies depending on the type of meter required and typically ranges from \$1,000 - \$5,000, updated as required. Other equipment that may be required for the installation of an NGOM (including, but not limited to, remote communications costs) shall be installed at the NEM Aggregation Customer's expense.

Meter Type	Estimated Cost
Self-contained Meter Installation (1200a)	\$ 998
Single-phase CT Installation	\$2,306
Three-phase CT Installation (<800a)	\$2,306
Three-phase CT Installation (1800a)	\$2,943

4) In the event there is a change of status that makes any of the meters or accounts listed in the NEM Aggregation form ineligible to continue receiving service under NEM Aggregation, NEM Aggregation Customers shall notify the Utility within fifteen (15) days of such changes.

5) In the event a Rule 21 study is required, the processing of the request for interconnection may extend beyond the 30 working days typically required under NEM.

6) The Renewable Electrical Generation Facility shall comply with all of the Utility's tariffs, including but not limited to Rule 21, and any other regulations and laws governing the interconnection of the Renewable Electrical Generation Facility.

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16P6

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SCHEDULE NEM

NET ENERGY METERING

SPECIAL CONDITIONS (Continued)

8. NEM Aggregation (Continued)

d) Billing Provisions:

- 1) A one-time service establishment fee of \$25 per Aggregated Account (capped at \$500 per Aggregated Arrangement) and a monthly billing fee of \$5 per Aggregated Account will be assessed to NEM Aggregation Customers receiving service under this Special Condition. These interim billing service charges may be subject to change upon approval by the Commission on a going-forward basis.
- 2) The Net Energy Metering Aggregation Memorandum Account (NEMAMA) will track billing-related costs in excess of the NEM Aggregation program costs listed in paragraph (e)(1) of this Special Condition. NEM Aggregation program costs may be re-evaluated one year from the effective date of this Special Condition.
- 3) All Aggregated Accounts in the Aggregated Arrangement must have the same Relevant Period.
- 4) Should a meter be added to an Aggregated Arrangement during a Relevant Period, the new meter will be charged the one-time service establishment fee and its Relevant Period will be adjusted so that it aligns with the Relevant Period of the existing Aggregated Accounts.
- 5) Should an Aggregated Account be removed from an Aggregated Arrangement during a Relevant Period, the Aggregated Arrangement will be adjusted.
- 6) All changes to an Aggregated Arrangement will become effective on the first regularly scheduled meter read date that is at least 15 days following the Utility's receipt of the request.
- 7) The Utility shall provide the NEM Aggregation Customer with individual Aggregated Account consumption and allocated generation 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.
- 8) The Utility will initially set up a manual billing process for NEM Aggregation. If the Utility performs billing system upgrades to automate its NEM Aggregation billing process, costs associated with billing system modifications required for the development and implementation of Special Condition 8 will be recorded to the NEMAMA.
- 9) All Aggregated Accounts in an Aggregated Arrangement must be receiving electricity commodity services from the same entity.
- 10) NEM Aggregation service is not permitted in combination with service provided under the Multiple Tariff Facilities provisions of this, or any other, NEM rate schedule.

(Continued)

17P6

Issued by

Date Filed

Jul 21, 2014

Advice Ltr. No. 2630-E

Lee Schavrien

Effective

Decision No. _____

Senior Vice President

Resolution No. E4665, E-4610



SCHEDULE NEM

NET ENERGY METERING

SPECIAL CONDITIONS (Continued)

8. NEM Aggregation (Continued)

e) Billing Process:

- 1) The Utility will use the aggregated load for the purpose of determining whether an NEM Aggregation Customer is a net consumer or a net producer during the Relevant Period. At the end of the Relevant Period, NEM Aggregation returns the customer's net balance to zero, showing no net surplus electricity.
- 2) Energy Delivered: If the Billing Account interconnection method is selected, the Energy Delivered will be determined by the amount of excess generation that is delivered to the grid, measured in kWh. If the NGOM interconnection method is selected, Energy Delivered is the kWh recorded by the NGOM during the specific billing period.
- 3) Allocation of Credit: The monthly allocation percentage of kWh will be based on the cumulative usage at each Aggregated Account compared with the total cumulative usage for all of the Aggregated Accounts and the cumulative generation from the Generating Account from the start of the Relevant Period.
- 4) Customer Bill: Credits applied to Aggregated Accounts will be based on the methodology set forth in paragraph (f)(2) of this Special Condition. At the end of each billing period, remaining credits shall be carried over to the following billing period, until the end of the Relevant Period. NEM Aggregation Customers served under this Special Condition are responsible for all charges from their OAS, including minimum charges, customer charges, basic service fees, meter charges, facilities charges, energy and demand charges, excluding any adjustments due to power factor provisions.
- 5) NEM Aggregation Billing: At the end of each Relevant Period, the NEM Aggregation Customer shall be billed for net consumption during that period. If an NEM Aggregation Customer terminates service under this rate schedule prior to the end of a Relevant Period, the Utility shall reconcile the customer's consumption with any remaining credit, and bill to the customer as if it were the end of a Relevant Period.

a) For an OAS with Baseline Rates:

If the NEM Aggregation Customer is a net consumer for the month, the net kWh consumed shall be valued and billed in accordance with the NEM Aggregation Customer's OAS. If the NEM Aggregation Customer is a net generator for the month, the net kWh generated shall be valued and credited in accordance with the NEM Aggregation Customer's OAS.

b) For an OAS with Time-of-Use (TOU) Rates:

If the NEM Aggregation Customer is a net consumer during any discrete TOU period, the net kWh consumed shall be billed in accordance with the applicable TOU rates charged under the NEM Aggregation Customer's OAS. If the NEM Aggregation Customer is a net generator during any discrete TOU period, the net kWh generated shall be valued in accordance with the applicable TOU rates charged under the NEM Aggregation Customer's OAS.

- f) In the event an NEM Aggregation Customer becomes eligible for payments resulting from participation in a demand response program, such payments to the NEM Aggregation Customer shall be based on the customer's metered usage, disregarding any contributions from NEM Aggregation. Similarly, any other demand response program elements that are affected by a customer's load (e.g. program eligibility) shall also exclude from consideration any impacts that may otherwise occur as a result of receiving service under NEM Aggregation.

18P5

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San Diego Gas & Electric Company
San Diego, California

Revised Cal. P.U.C. Sheet No. 25290-E

Canceling Revised Cal. P.U.C. Sheet No. 24923-E

SAMPLE FORMS
FORM 117-2160

Sheet 1

GENERATING FACILITY INTERCONNECTION AGREEMENT
(NEM /NON- NEM GENERATING FACILITY EXPORT)

(07/14)

(See Attached)

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1P5

Advice Ltr. No. 2630-E

Decision No. _____

Issued by
Lee Schavrien
Senior Vice President

Date Filed Jul 21, 2014

Effective _____

Resolution No. E4665, E-4610



**GENERATING FACILITY INTERCONNECTION AGREEMENT
(NEM /NON- NEM GENERATING FACILITY EXPORT)**

This Generating Facility Interconnection Agreement ("Agreement") is entered into by and between _____, a _____ ("Producer"), and **San Diego Gas & Electric Company ("SDG&E")**, a California Corporation. Producer and SDG&E are sometimes also referred to in this Agreement jointly as "Parties" or individually as "Party." In consideration of the mutual promises and obligations stated in this Agreement and its attachments, the Parties agree as follows:

1. SCOPE, PURPOSE, AND RELATED AGREEMENT

- 1.1 This Agreement provides for Producer to interconnect and operate a Generating Facility in parallel with SDG&E's Distribution System to serve, primarily, the electrical loads at the location identified in Section 2.4. The Generating Facility may be any combination of "Eligible customer-generators" as defined in California Public Utilities Code ("PU Code"), Section 2827 ("NEM Generator(s)") and other Generator(s) ("Non-NEM Generator(s)"). NEM Generators can consist of any of the following technologies: solar, wind, biogas digester or fuel cell.
- 1.2 This Agreement provides for Producer to operate the NEM Generator(s) pursuant to the provisions of Section 2827, 2827.7 and 2827.8 of the PU Code and the applicable SDG&E tariffs for net energy metering. The Agreement also provides for Producer to operate its Non-NEM Generator(s). This Agreement does not constitute an agreement by SDG&E to provide retail electrical service to Producer. Such arrangements must be made separately between SDG&E and Producer.

2. SUMMARY AND DESCRIPTION OF PRODUCER'S GENERATING FACILITY

- 2.1 A description of the Generating Facility, including a summary of its significant components and a single-line diagram showing the general arrangement of how Producer's Generating Facility and loads are interconnected with SDG&E's Distribution System, are attached as Appendix A to and made a part of this Agreement.
- 2.2 Generating Facility identification number: _____ (Assigned by SDG&E).
- 2.3 SDG&E's customer electric service account number: _____ (Assigned by SDG&E).
- 2.4 Name and address used by SDG&E to locate the electric service account(s) used to interconnect the Generating Facility with SDG&E's Distribution System:

- 2.5 The Gross Nameplate Rating of the Generating Facility is:

2.5.1 NEM Generator(s) is (are):
Solar: _____ kW
Wind: _____ kW
Biogas Digester: _____ kW
Fuel Cell: _____ kW

2.5.2 Non-NEM Generator(s) is (are): _____ kW

2.5.3 **Total Gross** Nameplate Rating of the Generating Facility: _____ kW

2.6 The Net Nameplate Rating of the Generating Facility is:

2.6.1 NEM Generator(s) is (are):
Solar: _____ kW
Wind: _____ kW
Biogas Digester: _____ kW
Fuel Cell: _____ kW

2.6.2 Non-NEM Generator(s) is (are): _____ kW

2.6.3 **Total Net** Nameplate Rating of the Generating Facility: _____ kW

2.7 The annual energy production of the Generating Facility is expected to be:

2.7.1 NEM Generator(s) is (are):
Solar: _____ kWh
Wind: _____ kWh
Biogas Digester: _____ kWh
Fuel Cell: _____ kWh

2.7.2 Non-NEM Generator(s) is (are): _____ kWh

2.7.3 **Total annual energy** production of the Generating Facility: _____ kWh

2.8 The maximum level of power that may be exported by the Generating Facility to SDG&E's Distribution System is expected to be:

2.8.1 NEM Generator(s) is (are):
Solar: _____ kW
Wind: _____ kW
Biogas Digester: _____ kW
Fuel Cell: _____ kW

2.8.2 Non-NEM Generator(s) is (are): _____ kW

2.8.3 **Total maximum level of power** that may be exported by the Generating Facility: _____ kW

2.9 The Generating Facility's expected date of Initial Operation is _____. The expected date of Initial Operation shall be within two years of the date of this Agreement.

2.10 For the purpose of securing certain tariff charge exemptions available under the PU Code, Producer hereby declares the following for each Generator of the Generating Facility:

(a) Requirements for "Distributed Energy Resource Generation" as such term is used in Section 353.1 of the PU Code

Solar:	<u>does meet</u> does not meet
Wind:	<u>does meet</u> does not meet
Biogas Digester:	<u>does meet</u> does not meet
Fuel Cell:	<u>does meet</u> does not meet
Non-NEM Generator:	<u>does meet</u> does not meet

(b) Requirements for "Cogeneration" as such term is used in Section 216.6 of the PU Code

does meet ~~does not meet~~

2.9 The Generating Facility is for Net Energy Metering Aggregation:
_____Yes _____No
If yes, please complete Form 142-02769.

3. DOCUMENTS INCLUDED

This Agreement includes the following exhibits, which are specifically incorporated herein and made a part of this Agreement.

- Appendix A - Description of Generating Facility and Single-Line Diagram (Provided by Producer)
- Appendix B - Copy of SDG&E's Electric Rule 2 and Rule 21
- Appendix C - A copy of an agreement addressing interconnection facility financing and ownership (When applicable)
- Appendix D - Producer's warranty that the Generating Facility meets the requirements for a "Cogeneration facility" pursuant to Section 216.6 of the PU Code (When applicable)
- Appendix E - Producer's warranty that the Generating Facility meets the requirements for "Distributed Energy Resources Generation" as defined in Section 353.1 of the PU Code (When applicable)
- Appendix F - Listing of eligible service accounts, as defined in SDG&E's Schedule NEM-BIO to be included in Net Energy Metering calculations (When applicable)
- Appendix G - Producer's warranty that it meets the requirements for an "Eligible Biogas Digester Electrical Generating Facility," (applicable Generator(s) only) as defined in Section 2827.9 of the PU Code (When applicable).

4. TERM AND TERMINATION

4.1 This Agreement shall become effective as of the last date entered in Section 16 of this Agreement. The Agreement shall continue in full force and effect until the earliest date that one of the following events occurs:

(a) The Parties agree in writing to terminate the Agreement, or

- (b) Unless otherwise agreed in writing by the Parties, at 12:01 A.M. on the day following the date the electric service account through which Producer's Generating Facility is Interconnected to SDG&E's Distribution System is closed or terminated, or
 - (c) At 12:01 A.M. on the 61st day after Producer or SDG&E provides written Notice pursuant to Section 9 of this Agreement to the other Party of Producer or SDG&E's intent to terminate this Agreement.
- 4.2 Producer may elect to terminate this Agreement pursuant to the terms of Section 4.1(c) for any reason. SDG&E may elect to terminate this Agreement pursuant to the terms of Section 4.1(c) for one or more of the following reasons:
- (a) A change in applicable tariffs as approved or directed by the California Public Utilities Commission ("Commission") or a change in any local, state or federal law, statute or regulation, either of which materially alters or otherwise affects SDG&E's ability or obligation to perform SDG&E's duties under this Agreement; or,
 - (b) Unless otherwise agreed in writing by the Parties, Producer fails to take all corrective actions specified in SDG&E's Notice that Producer's Generating Facility is out of compliance with the terms of this Agreement within the time frame set forth in such Notice; or,
 - (c) Producer fails to interconnect and operate the Generating Facility per the terms of this Agreement prior to 120 days after the date set forth in Section 2.7 of this Agreement as the Generating Facility's expected date of Initial Operation; or,
 - (d) Producer abandons the Generating Facility. SDG&E shall deem the Generating Facility to be abandoned if SDG&E determines, in its sole opinion, the Generating Facility is non-operational and Producer does not provide a substantive response to SDG&E's Notice of its intent to terminate this Agreement as a result of Producer's apparent abandonment of the Generating Facility affirming Producer's intent and ability to continue to operate the Generating Facility.
- 4.3 Notwithstanding any other provisions of this Agreement, SDG&E shall have the right to unilaterally file with the Commission, pursuant to the Commission's rules and regulations, an application to terminate this Agreement.
- 4.4 Any agreements attached to and incorporated into this Agreement shall terminate concurrently with this Agreement unless the Parties have agreed otherwise in writing.

5. GENERATING FACILITY OPERATION

- 5.1 Producer is responsible for operating the Generating Facility in compliance with all of SDG&E's tariffs, including but not limited to SDG&E's Rule 21, and any other regulations and laws governing the Interconnection of the Generating Facility.
- 5.2 Except for that energy delivered to SDG&E's Distribution System the electric energy produced by Producer's Generating Facility shall be used to serve electrical loads connected to the electric service account that SDG&E uses to interconnect Producer's Generating Facility. Producer shall not use the Generating Facility to serve electrical loads that will cause Producer to be considered an "electrical corporation" as such term is used in Section 218 of the California Public Utilities Code.
- 5.3 In no event shall the delivery of the maximum electric power to SDG&E's Distribution System exceed the amount or other limitations specified in Section 2. and Appendix A, hereto. If Producer does not regulate its Generating Facility in compliance with the limitations set forth in Section 2. and Appendix A, SDG&E may require Producer to

disconnect its Generating Facility from SDG&E's Distribution System until Producer demonstrates to SDG&E's sole satisfaction that Producer has taken adequate measures to regulate the output of its Generating Facility and control its deliveries of electric power to SDG&E. Further, should SDG&E determine that Producer's operation of the Generating Facility is causing an unsafe condition or is adversely affecting SDG&E's ability to utilize its Distribution System in any manner, even if Producer's deliveries of electric power to SDG&E's Distribution System are within the limitations specified in Section 2. and Appendix A, SDG&E may require Producer to temporarily or permanently reduce or cease deliveries of electric power to SDG&E's Distribution System. Alternatively, the Parties may agree to other corrective measures so as to mitigate the effect of electric power flowing from the Generating Facility to SDG&E's Distribution System. Producer's failure to comply with the terms of this Section shall constitute a material breach of this Agreement and SDG&E may initiate termination in accordance with the terms of Section 4.2(b).

- 5.4 Customer-Generator shall: (a) maintain the Generating Facility and Interconnection Facilities in a safe and prudent manner and in conformance with all applicable laws and regulations including, but not limited to, Section 6.1, and (b) obtain any governmental authorizations and permits required for the construction and operation of the Generating Facility and Interconnection Facilities. Customer-Generator shall reimburse SDG&E for any and all losses, damages, claims, penalties, or liability it incurs as a result of Customer-Generator's failure to obtain or maintain any governmental authorizations and permits required for construction and operation of Customer-Generator's Generating Facility.
- 5.5 Customer-Generator shall not commence parallel operation of the Generating Facility until SDG&E has provided express written approval. Such approval shall normally be provided no later than thirty (30) business days following SDG&E's receipt of: (1) a completed Generating Facility Interconnection Application (Form 142-05203), including all supporting documents and payments as described in the Application; (2) a signed and completed Interconnection Agreement (Form 142-02760 or, for NEM / non-NEM Generating Facility export, Form 117-2160); and (3) a copy of the Customer-Generator's final inspection clearance from the governmental authority having jurisdiction over the Generating Facility. Such approval shall not be unreasonably withheld. SDG&E shall have the right to have representatives present at the Commissioning Test as defined in Rule 21. Customer-Generator shall notify SDG&E at least five (5) business days prior to the initial testing.
- 5.4 Producer shall not deliver reactive power to SDG&E's Distribution System unless the Parties have agreed otherwise in writing.
- 5.5 The Generating Facility shall be operated with all of Producer's Protective Functions in service whenever the Generating Facility is operated in parallel with SDG&E's Distribution System. Any deviation from these requirements may occur only when the Parties have agreed to such deviations in writing.

6. INTERCONNECTION FACILITIES

- 6.1 Producer and/or SDG&E, as appropriate, shall provide Interconnection Facilities that adequately protect SDG&E's Distribution System, personnel, and other persons from damage or injury which may be caused by the operation of Producer's Generating Facility.
- 6.2 Producer shall be solely responsible for the costs, design, purchase, construction, operation, and maintenance of the Interconnection Facilities that Producer owns.
- 6.3 If the provisions of SDG&E's Rule 21, or any other tariff approved by the Commission, require SDG&E to own and operate a portion of the Interconnection Facilities, Producer and SDG&E shall promptly execute an agreement that establishes and allocates

responsibility for the design, installation, operation, maintenance, and ownership of the Interconnection Facilities. This agreement shall be attached to and made a part of this Agreement as Appendix C.

- 6.4 The Interconnection Facilities may include Net Generation Output Metering for determination of standby charges and applicable non-bypassable charges, and/or other meters required for SDG&E's administration and billing pursuant to SDG&E's tariffs for net energy metering.

7. LIMITATION OF LIABILITY

Each Party's liability to the other Party for any loss, cost, claim, injury, liability, or expense, including reasonable attorney's fees, relating to or arising from any act or omission in its performance of this agreement, shall be limited to the amount of direct damage actually incurred. In no event shall either Party be liable to the other Party for any indirect, special, consequential, or punitive damages of any kind whatsoever.

8. INSURANCE

- 8.1 In connection with Producer's performance of its duties and obligations under this Agreement, Producer shall maintain, during the term of this Agreement, general liability insurance with a combined single limit of not less than:
- (a) Two million dollars (\$2,000,000) for each occurrence if the Gross Nameplate Rating of Producer's Generating Facility is greater than one hundred (100) kW;
 - (b) One million dollars (\$1,000,000) for each occurrence if the Gross Nameplate Rating of Producer's Generating Facility is greater than twenty (20) kW and less than or equal to one hundred (100) kW; and
 - (c) Five hundred thousand dollars (\$500,000) for each occurrence if the Gross Nameplate Rating of Producer's Generating Facility is twenty (20) kW or less.
 - (d) Two hundred thousand dollars (\$200,000) for each occurrence if the Gross Nameplate Rating of Producer's Generating Facility is ten (10) kW or less and Producer's Generating Facility is connected to an account receiving residential service from SDG&E.

Such general liability insurance shall include coverage for "Premises-Operations, Owners and Contractors Protective, Products/Completed Operations Hazard, Explosion, Collapse, Underground, Contractual Liability, and Broad Form Property Damage including Completed Operations."

- 8.2 The general liability insurance required in Section 8.1 shall, by endorsement to the policy or policies, (a) include SDG&E as an additional insured; (b) contain a severability of interest clause or cross-liability clause; (c) provide that SDG&E shall not by reason of its inclusion as an additional insured incur liability to the insurance carrier for payment of premium for such insurance; and (d) provide for thirty (30) calendar days' written notice to SDG&E prior to cancellation, termination, alteration, or material change of such insurance.
- 8.3 If Producer's Generating Facility is connected to an account receiving residential service from SDG&E and the requirement of Section 8.2(a) prevents Producer from obtaining the insurance required in Section 8.1, then upon Producer's written Notice to SDG&E in accordance with Section 9.1, the requirements of Section 8.2(a) shall be waived.

- 8.4 Evidence of the insurance required in Section 8.2 shall state that coverage provided is primary and is not in excess to or contributing with any insurance or self-insurance maintained by SDG&E.
- 8.5 Producer agrees to furnish the required certificates and endorsements to SDG&E prior to Initial Operation. SDG&E shall have the right to inspect or obtain a copy of the original policy or policies of insurance.
- 8.6 If Producer is self-insured with an established record of self-insurance, Producer may comply with the following in lieu of Sections 8.1 through 8.4:
 - (a) Producer shall provide to SDG&E, at least thirty (30) calendar days prior to the date of Initial Operation, evidence of an acceptable plan to self-insure to a level of coverage equivalent to that required under Section 8.1.
 - (b) If Producer ceases to self-insure to the level required hereunder, or if Producer is unable to provide continuing evidence of Producer's ability to self-insure, Producer agrees to immediately obtain the coverage required under Section 8.1.
- 8.7 All insurance certificates, statements of self-insurance, endorsements, cancellations, terminations, alterations, and material changes of such insurance shall be issued and submitted to the following:

**San Diego Gas & Electric Company
 Attn: Customer Generation
 8316 Century Park Court, 52F
 San Diego, CA 92123-1582**

9. NOTICES

- 9.1 Any written notice, demand, or request required or authorized in connection with this Agreement ("Notice") shall be deemed properly given if delivered in person or sent by first class mail, postage prepaid, to the person specified below:

If to SDG&E: **San Diego Gas & Electric Company
 Attn: Customer Generation
 8316 Century Park Court, 52F
 San Diego, CA 92123-1582**

If to Producer: Producer Name
 Attention: _____
 Address: _____
 City: _____
 Phone: _____
 Fax: _____

- 9.2 A Party may change its address for Notices at any time by providing the other Party Notice of the change in accordance with Section 9.1.
- 9.3 The Parties may also designate operating representatives to conduct the daily communications, which may be necessary or convenient for the administration of this Agreement. Such designations, including names, addresses, and phone numbers may be communicated or revised by one Party's Notice to the other.

10. REVIEW OF RECORDS AND DATA

- 10.1 SDG&E shall have the right to review and obtain copies of Producer's operations and maintenance records, logs, or other information such as, unit availability, maintenance outages, circuit breaker operation requiring manual reset, relay targets and unusual events pertaining to Producer's Generating Facility or its Interconnection with SDG&E's Distribution System.
- 10.2 Producer authorizes SDG&E to release to the California Energy Commission ("CEC") and/or the Commission information regarding the Generating Facility, including the Producer's name and location, and the size, location and operational characteristics of the generating facility, as requested from time to time pursuant to the CEC's or Commission's rules and regulations.

11. ASSIGNMENT

Producer shall not voluntarily assign its rights nor delegate its duties under this Agreement without SDG&E's written consent. Any assignment or delegation Producer makes without SDG&E's written consent shall not be valid. SDG&E shall not unreasonably withhold its consent to Producer's assignment of this Agreement.

12. NON-WAIVER

None of the provisions of this Agreement shall be considered waived by a Party unless such waiver is given in writing. The failure of a Party to insist in any one or more instances upon strict performance of any of the provisions of this Agreement or to take advantage of any of its rights hereunder shall not be construed as a waiver of any such provisions or the relinquishment of any such rights for the future, but the same shall continue and remain in full force and effect.

13. GOVERNING LAW, JURISDICTION OF COMMISSION, INCLUSION OF SDG&E's TARIFF SCHEDULES, DEFINED TERMS

- 13.1 This Agreement shall be interpreted, governed, and construed under the laws of the State of California as if executed and to be performed wholly within the State of California without giving effect to choice of law provisions that might apply to the law of a different jurisdiction.
- 13.2 This Agreement shall, at all times, be subject to such changes or modifications by the Commission as it may from time to time direct in the exercise of its jurisdiction.
- 13.3 The interconnection and services provided under this Agreement shall at all times be subject to the terms and conditions set forth in the tariffs applicable to the electric service provided by SDG&E. Copies of such tariffs are available at SDG&E's Internet site: www.sdge.com or by request to SDG&E and are incorporated into this Agreement by this reference.
- 13.4 Notwithstanding any other provisions of this Agreement, SDG&E shall have the right to unilaterally file with the Commission, pursuant to the Commission's rules and regulations, an application for change in tariffs, rates, charges, classification, service, or any agreement relating thereto.
- 13.5 When initially capitalized, whether in the singular or in the plural, the terms used herein shall have the meanings assigned to them either in this Agreement or in SDG&E's Rule 1

or Rule 21, Section H. If any term is defined in both Rule 1 and Rule 21, the definition in Rule 21 shall prevail.

14. AMENDMENTS AND MODIFICATION

This Agreement can only be amended or modified by a written agreement signed by both Parties. SDG&E shall determine in its sole discretion whether prior Commission approval is required for such amendments or modifications.

15. ENTIRE AGREEMENT

This Agreement, including any incorporated tariffs and rules, contains the entire agreement and understanding between the Parties, their agents, and employees as to the subject matter of this Agreement. Each Party also represents that in entering into this Agreement; it has not relied on any promise, inducement, representation, warranty, agreement or other statement not set forth in this Agreement, or in the incorporated tariffs and rules.

16. SIGNATURES

IN WITNESS WHEREOF, the Parties hereto have caused two originals of this Agreement to be executed by their duly authorized representatives. This Agreement is effective as of the last date set forth below.

CUSTOMER NAME	SAN DIEGO GAS & ELECTRIC COMPANY
By: _____	By: _____
Name: _____	Name: _____
Title: _____	Title: _____
Date: _____	Date: _____

APPENDIX A

DESCRIPTION OF GENERATING FACILITY
AND SINGLE-LINE DIAGRAM

(Provided by Producer)

APPENDIX B

RULES: "2" and "21"

(Provided by SDG&E)

(Note: SDG&E's tariffs are included for reference only and shall at all times be subject to such changes or modifications by the Commission as the Commission may, from time to time, direct in the exercise of its jurisdiction. A copy of Rule 2 has not been provided. A copy may be obtained from SDG&E's website: www.sdge.com)

APPENDIX C
(When applicable)

INTERCONNECTION FACILITIES
FINANCING AND OWNERSHIP
AGREEMENT

(Provided by SDG&E)

APPENDIX D
(When applicable)

PRODUCER'S WARRANTY THAT THE GENERATING FACILITY IS A "COGENERATION FACILITY" PURSUANT TO SECTION 216.6 OF THE CALIFORNIA PUBLIC UTILITIES CODE

For the purpose of securing the Competition Transition Charge exemption available under Section 372 of the PU Code, Producer hereby declares that the Generating Facility meets the requirements for "Cogeneration" as such term is used in Section 216.6 of the PU Code ("Cogeneration Requirements").

Producer warrants that, beginning on the date of Initial Operation and continuing throughout the term of this Agreement, the Generating Facility shall continue to meet the Cogeneration Requirements. If Producer becomes aware that its Generating Facility has ceased to meet the Cogeneration Requirements, Producer shall promptly provide SDG&E with Notice of such change pursuant to Section 9.1 of the Agreement. If at any time during the term of this Agreement SDG&E determines in its sole discretion that Producer's Generating Facility may no longer meet the Cogeneration Requirements, SDG&E may require Producer to provide evidence that the Generating Facility continues to meet the Cogeneration Requirements within 15 business days of SDG&E's request for such evidence. Additionally, SDG&E may periodically (typically, once per year) inspect Producer's Generating Facility and/or require documentation from Producer to monitor the Generating Facility's compliance with the Cogeneration Requirements. If SDG&E determines in its sole judgment that Producer either failed to provide evidence in a timely manner or that it provided insufficient evidence that its Generating Facility continues to meet the Cogeneration Requirements, then the Cogeneration status of the Generating Facility shall be deemed ineffective until such time as Producer again demonstrates to SDG&E's reasonable satisfaction that the Generating Facility meets the requirements for a Cogeneration facility (the "Cogeneration Status Change").

SDG&E shall revise its records and the administration of this Agreement to reflect the Cogeneration Status Change and provide Notice to Producer of the Cogeneration Status Change pursuant to Section 9.1 of this Agreement. Such Notice shall specify the effective date of the Cogeneration Status Change. This date shall be the first day of the calendar year for which SDG&E determines in its sole discretion that the Generating Facility first ceased to meet the Cogeneration Requirements. SDG&E shall invoice the Producer's electric service account through which the Generating Facility is interconnected with SDG&E's Distribution System for Competition Transition Charges ("CTCs") that were not previously billed during the period between the effective date of the Status Change and the date of the Notice in reliance upon Producer's representations that the Generating Facility complied with the Cogeneration Requirements and therefore was eligible for the exemption from CTCs available under Section 372 of the PU Code.

Any amounts to be paid or refunded by Producer, as may be invoiced by SDG&E pursuant to the terms of this warranty, shall be paid to SDG&E within 30 days of Producer's receipt of such invoice.

APPENDIX E
(When applicable)

PRODUCER'S WARRANTY THAT THE GENERATING FACILITY IS A "DISTRIBUTED ENERGY RESOURCES GENERATION" FACILITY PURSUANT TO SECTION 353.1 OF THE CALIFORNIA PUBLIC UTILITIES CODE

For the purpose of securing the tariff charge exemption available under Section 353.3 of the PU Code, Producer hereby declares that the Generating Facility meets the requirements for "Distributed Energy Resources Generation" as such term is used in Section 353.1 of the PU Code ("DERG Requirements").

Producer warrants that, beginning on the date of Initial Operation and continuing throughout the term of this Agreement, its Generating Facility shall continue to meet the DERG Requirements. If Producer becomes aware that the Generating Facility has ceased to meet the DERG Requirements, Producer shall promptly provide SDG&E with Notice of such change pursuant to Section 9.1 of the Agreement. If at any time during the term of this Agreement SDG&E determines in its sole discretion that Producer's Generating Facility may no longer meet the DERG Requirements, SDG&E may require Producer to provide evidence that the Generating Facility continues to meet the DERG Requirements within 15 business days of SDG&E's request for such evidence. Additionally, SDG&E may periodically (typically, once per year) inspect Producer's Generating Facility and/or require documentation from Producer to monitor the Generating Facility's compliance with the DERG Requirements. If SDG&E determines in its sole judgment that Producer either failed to provide evidence in a timely manner or that it provided insufficient evidence that its Generating Facility continues to meet the DERG Requirements, then the Distributed Energy Resources Generation status of the Generating Facility shall be deemed ineffective until such time as Producer again demonstrates to SDG&E's reasonable satisfaction that the Generating Facility meets the requirements for a Distributed Energy Resources Generation facility (the "DERG Status Change").

SDG&E shall revise its records and the administration of this Agreement to reflect the DERG Status Change and provide Notice to Producer of the DERG Status Change pursuant to Section 9.1 of this Agreement. Such Notice shall specify the effective date of the DERG Status Change. This date shall be the first day of the calendar year for which SDG&E determines in its sole discretion that the Generating Facility first ceased to meet the DERG Requirements. SDG&E shall invoice the Producer electric service account through which the Generating Facility is Interconnected with SDG&E's Distribution System for any tariff charges that were not previously billed during the period between the effective date of the DERG Status Change and the date of the Notice in reliance upon Producer's representations that the Generating Facility complied with the DERG Requirements and therefore was eligible for the exemption from tariff charges available under Section 353.3 of the PU Code.

Any amounts to be paid or refunded by Producer, as may be invoiced by SDG&E pursuant to the terms of this warranty, shall be paid to SDG&E within 30 days of Producer's receipt of such invoice.

**APPENDIX F
(When applicable)**

**LIST OF ELIGIBLE ACCOUNTS
TO BE INCLUDED IN NET ENERGY METERING CALCULATIONS
PURSUANT TO SCHEDULE NEM-BIO SPECIAL CONDITION 2**

(Please provide a copy of a recent billing statements for each of the accounts (if any) to be included in this listing. Indicate the priority order you wish SDG&E to use in applying surplus energy credits.)

Account Priority ¹	Account Name ²	Service Address ²	SDG&E Service Account Number ²	SDG&E Meter Number ²	SDG&E TOU Tariff Schedule ²
1					
2					
3					
4					
5					
6					
7					
8					
9					

Notes:

1. Account Priority: See Special Condition 2, "Load Aggregation," of Schedule NEM-BIO. Accounts are listed in priority designated by Producer to receive excess generation credits. The electric service account described in Section 2.2 of this agreement, should not be included in this listing.
2. Account information as shown on SDG&E billing statement

**APPENDIX G
(When applicable)**

**PRODUCER'S WARRANTY THAT THE GENERATING FACILITY IS
AN ELIGIBLE BIOGAS ELECTRICAL GENERATING FACILITY
PURSUANT TO SECTION 2827.9 OF THE CALIFORNIA PUBLIC UTILITIES CODE**

Producer has declared that the Generating Facility meets the requirements for an "Eligible Biogas Electrical Generating Facility", as defined in Section 2827.9 of the California Public Utilities Code. ("Eligibility Requirements").

Producer warrants that, beginning on the date of Initial Operation and continuing throughout the term of this Agreement, its Generating Facility shall continue to meet the Eligibility Requirements. If Producer becomes aware that the Generating Facility has ceased to meet the Eligibility Requirements, Producer shall promptly provide SDG&E with Notice of such change pursuant to Section 9.1 of the Agreement. If at any time during the term of this Agreement SDG&E determines in its sole discretion that Producer's Generating Facility may no longer meet the Eligibility Requirements, SDG&E may require Producer to provide evidence that the Generating Facility continues to meet the Eligibility Requirements within 15 business days of SDG&E's request for such evidence. Additionally, SDG&E may periodically (typically, once per year) inspect Producer's Generating Facility and/or require documentation from Producer to monitor the Generating Facility's compliance with the Eligibility Requirements. If SDG&E determines in its sole judgment that Producer either failed to provide evidence in a timely manner or that it provided insufficient evidence that its Generating Facility continues to meet the Eligibility Requirements, then the Distributed Energy Resources Generation status of the Generating Facility shall be deemed ineffective until such time as Producer again demonstrates to SDG&E's reasonable satisfaction that the Generating Facility meets the requirements for a Distributed Energy Resources Generation facility (the "Eligibility Status Change").

SDG&E shall revise its records and the administration of this Agreement to reflect the Eligibility Status Change and provide Notice to Producer of the Eligibility Status Change pursuant to Section 9.1 of this Agreement. Such Notice shall specify the effective date of the Eligibility Status Change. This date shall be the first day of the calendar year for which SDG&E determines in its sole discretion that the Generating Facility first ceased to meet the Eligibility Requirements. SDG&E shall invoice the Producer for any tariff charges that were not previously billed during the period between the effective date of the Eligibility Status Change and the date of the Notice in reliance upon Producer's representations that the Generating Facility complied with the Eligibility Requirements and therefore was eligible for the rate treatment available under the Net Energy Metering provisions of SDG&E's Schedule NEM-BIO, Experimental Biogas Net Energy Metering.

Any amounts to be paid or refunded by Producer, as may be invoiced by SDG&E pursuant to the terms of this warranty, shall be paid to SDG&E within 30 days of Producer's receipt of such invoice.



San Diego Gas & Electric Company
San Diego, California

Revised Cal. P.U.C. Sheet No. 25291-E

Canceling Revised Cal. P.U.C. Sheet No. 24927-E

SAMPLE FORMS
FORM 142-02760.5

Sheet 1

San Diego Gas & Electric Company

Interconnection Agreement for
Virtual Net Energy Metering

(07/14)

(See Attached From)

T

1P5

Advice Ltr. No. 2630-E

Decision No. _____

Issued by
Lee Schavrien
Senior Vice President

Date Filed Jul 21, 2014

Effective _____

Resolution No. E4665, E-4610



SAN DIEGO GAS & ELECTRIC COMPANY
INTERCONNECTION AGREEMENT FOR VIRTUAL NET ENERGY METERING

This Interconnection Agreement for Virtual Net Energy Metering (Agreement) is entered into by and between the Customer Generator (CG) and San Diego Gas & Electric Company (SDG&E). The CG and SDG&E are sometimes also referred to in this Agreement jointly as "Parties" or individually as "Party." In consideration of the mutual promises and obligations stated in this Agreement and its attachments, the Parties agree as follows:

1. SCOPE AND PURPOSE

This Agreement provides for CG to interconnect and operate a Generating Facility in parallel with SDG&E's Distribution System to the electric service account that SDG&E uses to interconnect CG's Generating Facility.

This Agreement applies to the CG's Generating Facility identified below with the specified characteristics and generating capacity, and does not allow interconnection or operation of facilities different than those described.

2. SUMMARY OF GENERATING FACILITY AND CG ACCOUNT

2.1 Generating Facility Identification Number: _____ (Assigned by SDG&E)

2.2 CG Meter Number: _____

2.3 CG Account Number: _____

2.4 Applicable Rate Schedule: _____

2.5 Generating Facility Location:

Name: _____

Address: _____

City / Zip: _____

2.5.1 This Agreement is applicable only to the Generating Facility described below and installed at the above location. The Generating Facility may not be relocated or connected to SDG&E's system at any other location without SDG&E's express written permission.

2.6 Generating Facility Nameplate Rating (kW): _____

2.7 Expected maximum monthly energy production of Generating Facility (kWh): _____

2.8 The Generating Facility's expected date of Initial Operation is _____. The expected date of Initial Operation shall be within two years of the date of this Agreement.

2.9 The Generating Facility is for Net Energy Metering Aggregation:
_____Yes _____No
If yes, please complete form 142-02769.

3. GENERATING FACILITY INTERCONNECTION AND DESIGN REQUIREMENTS

- 3.1 CG shall be responsible for the design, installation, operation, and maintenance of the Generating Facility and shall obtain and maintain any required governmental authorizations and/or permits.
- 3.2 **CG shall not commence parallel operation of the Generating Facility until written approval has been provided to it by SDG&E.** (CG's Initials _____) SDG&E shall provide such written approval within thirty (30) working days from SDG&E's receipt of a completed applicable interconnection application (Form 142-05203) including all supporting documentation and required payments, this completed and signed Agreement, and the final inspection clearance of the governmental authority having jurisdiction over the Generating Facility.
- Such approval shall not be unreasonably withheld. SDG&E shall have the right to have representatives present at the initial testing of CG's protective apparatus. CG shall notify SDG&E five (5) working days prior to initial testing.
- 3.3 SDG&E shall have the right to have its representatives present at the final inspection made by the governmental authority having jurisdiction to inspect and approve the installation of the Generating Facility. CG shall notify SDG&E in accordance with the terms of Section 12, herein, at least five (5) days prior to such inspection.
- 3.4 CG shall not add generation capacity in excess of the Nameplate Rating set forth in Section 2.6 of this Agreement, or otherwise modify the Generating Facility without the prior written permission of SDG&E.

4. METERING AND BILLING

Metering requirements and billing procedures shall be set forth in the rate schedule(s) applicable to the electric service account assigned to the location where the Generating Facility is connected.

5. DISCONNECTION, INTERRUPTION OR REDUCTION OF DELIVERIES

- 5.1 SDG&E may require CG to interrupt or reduce the output of its Generating Facility under the following circumstances:
- (a) Whenever SDG&E deems it necessary in its sole judgment, to construct, install, maintain, repair, replace, remove, investigate, or inspect any of its equipment or any part of its electric system; or
 - (b) Whenever SDG&E determines in its sole judgment, that curtailment, interruption, or reduction of CG's electrical generation is otherwise necessary due to emergencies, forced outages, force majeure, or compliance with prudent electrical practices.
- 5.2 Notwithstanding any other provision of this Agreement, upon termination of this Agreement or at any time SDG&E determines the continued parallel operation of the Generating Facility may endanger the public or SDG&E personnel, or affect the integrity of SDG&E's electric system or the quality of electric service provided to other customers, SDG&E shall have the right to require the Generating Facility to be immediately disconnected from SDG&E's electric system. The Generating Facility shall remain disconnected until such time as SDG&E is satisfied, in its sole judgment, that the condition(s) causing such disconnection have ended or have been corrected.

- 5.3 Whenever feasible, SDG&E shall give CG reasonable notice of the possibility that interruption or reduction of deliveries may be required.
- 5.4 Electrical energy and capacity provided to CG during periods of curtailment or interruption of the output of the Generating Facility shall be provided pursuant to the terms of the rate schedule(s) applicable to the electric service account to which the Generating Facility is connected.

6. ACCESS TO PREMISES

SDG&E may enter CG's premises at all reasonable hours without notice to CG for the following purposes:

- (a) To inspect CG's protective devices and read or test meter(s); and
- (b) To disconnect the Generating Facility and/or service to CG, whenever in SDG&E's sole opinion, a hazardous condition exists and such immediate action is necessary to protect persons, SDG&E's facilities, or property of others from damage or interference caused by the Generating Facility, or the absence or failure of properly operating protective devices.

7. INDEMNITY AND LIABILITY

7.1 Each Party as indemnitor shall defend, hold harmless, and indemnify the other Party and the directors, officers, employees, and agents of the other Party against and from any and all loss, liability, damage, claim, cost, charge, demand, or expense (including any direct, indirect or consequential loss, liability, damage, claim, cost, charge, demand, or expense, including retained or in-house attorneys' fees) for injury or death to persons, including employees of either Party, and damage to property, including property of either Party, arising out of or in connection with (a) the engineering, design, construction, maintenance, repair, operation, supervision, inspection, testing, protection or ownership of the indemnitor's facilities, or (b) the making of replacements, additions, betterments to, or reconstruction of the indemnitor's facilities. This indemnity shall apply notwithstanding the active or passive negligence of the indemnitee. However, neither Party shall be indemnified hereunder for its loss, liability, damage, claim, cost, charge, demand, or expense resulting from its sole negligence or willful misconduct.

7.2 The indemnitor shall, on the other Party's request, defend any suit asserting a claim covered by this indemnity and shall pay for all costs, including reasonable attorney fees, which may be incurred by the other Party in enforcing this indemnity.

7.3 The provisions of this Section shall not be construed to relieve any insurer of its obligations to pay any insurance claims in accordance with the provisions of any valid insurance policy.

7.4 Except as otherwise provided in Section 7.1, neither Party shall be liable to the other Party for consequential damages incurred by that Party.

7.5 Nothing in this Agreement shall create any duty, any standard of care with reference to, or any liability to any person who is not a party to it.

- 7.6 Notwithstanding the provisions of Section 7.1, CG shall be responsible for protecting its Generating Facility from damage by reason of the electrical disturbances of faults caused by the operation, faulty operation, or non-operation of SDG&E's facilities, and SDG&E shall not be liable for any such damage so caused.

8. INSURANCE

If CG's generator meets all applicable safety and performance standards established by the National Electrical Code, the Institute of Electrical and Electronics Engineers, and accredited testing laboratories such as Underwriters Laboratories and, where applicable, rules of the Public Utilities Commission regarding safety and reliability, the following insurance provisions in Sections 8.1 – 8.3 apply:

- 8.1 To the extent that CG has currently in force all risk property insurance and commercial liability insurance, CG agrees that it will maintain such insurance in force for the duration of this Agreement in no less amounts than those currently in effect. SDG&E shall have the right to inspect or obtain a copy of the original policy or policies of insurance prior to commencing operation.
- 8.2 CG shall meet the standards and rules set forth in Section 13, have the appropriate liability insurance in Section 8.1, and shall not be required to purchase any additional liability insurance.
- 8.3 Such liability insurance shall, by endorsement to the policy or policies, provide for thirty (30) calendar days written notice to SDG&E prior to cancellation, termination, alteration, or material change of such insurance.

For generators that do not meet the interconnection criteria of this section then the following insurance requirements apply:

- 8.4 In connection with CG's performance of its duties and obligations under this Agreement, CG shall maintain, during the term of the Agreement, general liability insurance with a combined single limit of not less than:
- (a) Two million dollars (\$2,000,000) for each occurrence if the Gross Nameplate Rating of Producer's Generating Facility is greater than one hundred (100) kW;
 - (b) One million dollars (\$1,000,000) for each occurrence if the Gross Nameplate Rating of Producer's Generating Facility is greater than twenty (20) kW and less than or equal to one hundred (100) kW; and
 - (c) Five hundred thousand dollars (\$500,000) for each occurrence if the Gross Nameplate Rating of Producer's Generating Facility is twenty (20) kW or less.
 - (d) Two hundred thousand dollars (\$200,000) for each occurrence if the Gross Nameplate Rating of Producer's Generating Facility is ten (10) kW or less and Producer's Generating Facility is connected to an account receiving residential service from SDG&E.

Such insurance shall include coverage for "Premises-Operations, Owners and Contractors Protective, Products/Completed Operations Hazard, Explosion, Collapse, Underground, Contractual Liability, and Broad Form Property Damage including Completed Operations."

- 8.5 The general liability insurance required in Section 8.4 shall, by endorsement to the policy or policies, (a) include SDG&E as an additional insured; (b) contain a severability of interest clause or cross-liability clause; (c) provide that SDG&E shall not by reason of its inclusion as an additional insured incur liability to the insurance carrier for payment of premium for such insurance; and (d) provide for thirty (30) calendar days' written notice to SDG&E prior to cancellation, termination, alteration, or material change of such insurance.
- 8.6 If CG's Generating Facility is connected to an account receiving residential service from SDG&E and the requirement of Section 8.5 (a) prevents CG from obtaining the insurance required in Section 8.4, then upon CG's written Notice to SDG&E in accordance with Section 12.1, the requirements of Section 8.5 (a) shall be waived.
- 8.7 Evidence of the insurance required in Section 8.4 shall state that coverage provided is primary and is not in excess to or contributing with any insurance or self-insurance maintained by SDG&E.
- 8.8 CG shall furnish the required insurance certificates and endorsements to SDG&E prior to Initial Operation of the Generating Facility. Thereafter, SDG&E shall have the right to periodically inspect or obtain a copy of the original policy or policies of insurance.
- 8.9 If CG is self-insured with an established record of self-insurance, CG may comply with the following in lieu of Sections 8.4 through 8.5:
- (a) CG shall provide to SDG&E, at least thirty (30) calendar days prior to the date of Initial Operation, evidence of an acceptable plan to self-insure to a level of coverage equivalent to that required under Section 8.4.
 - (b) If CG ceases to self-insure to the level required hereunder, or if CG is unable to provide continuing evidence of CG's ability to self-insure, CG agrees to immediately obtain the coverage required under Section 8.4.
- 8.10 All insurance certificates, statements of self insurance, endorsements, cancellations, terminations, alterations, and material changes of such insurance shall be issued and submitted to the following:

San Diego Gas & Electric Company
Attention: CUSTOMER GENERATION, CP52F
Address: 8316 CENTURY PARK CT
City / Zip: SAN DIEGO, CA 92123

9. REVIEW OF RECORDS AND DATA

- 9.1 SDG&E shall have the right to review and obtain copies of CG's operations and maintenance records, logs, or other information such as, unit availability, maintenance outages, circuit breaker operation requiring manual reset, relay targets and unusual events pertaining to CG's Generating Facility or its Interconnection with SDG&E's Distribution System.
- 9.2 CG authorizes to release to the California Energy Commission (CEC) and California Public Utilities Commission (CPUC) information regarding CG's facility, including CG name, location, size, and operational characteristics of the unit, as requested from time to time pursuant to the CEC's rules and regulations.

10. GOVERNING LAW, JURISDICTION OF CPUC, INCLUSION OF SDG&E's RATE SCHEDULES AND RULES

- 10.1 This Agreement shall be interpreted, governed, and construed under the laws of the State of California as if executed and to be performed wholly within the State of California without giving effect to choice of law provisions that might apply to the law of a different jurisdiction.
- 10.2 This Agreement shall, at all times, be subject to such changes or modifications by the CPUC as it may from time to time direct in the exercise of its jurisdiction.
- 10.3 The interconnection and services provided under this Agreement shall at all times be subject to the terms and conditions set forth in the rate schedules and rules applicable to the electric service provided by SDG&E, which rate schedules and rules are hereby incorporated into this Agreement by this reference.
- 10.4 Notwithstanding any other provisions of this Agreement, SDG&E shall have the right to unilaterally file with the Commission, pursuant to the Commission's rules and regulations, an application for change in rates, charges, classification, service, tariff or rule or any agreement relating thereto.

11. AMENDMENT, MODIFICATIONS, WAIVER OR ASSIGNMENT:

- 11.1 This Agreement may not be altered or modified by either of the Parties, except by an instrument in writing executed by each of them.
- 11.2 None of the provisions of this Agreement shall be considered waived by a Party unless such waiver is given in writing. The failure of a Party to insist in any one or more instances upon strict performance of any of the provisions of this Agreement or to take advantage of any of its rights hereunder shall not be construed as a waiver of any such provisions or the relinquishment of any such rights for the future, but the same shall continue and remain in full force and effect.
- 11.3 This Agreement shall supersede any existing agreement under which CG is currently operating the Generating Facility identified in Section 2, herein, and any such agreement shall be deemed terminated as of the date this Agreement becomes effective.
- 11.4 This Agreement contains the entire agreement and understanding between the Parties, their agents, and employees as to the subject matter of this Agreement. Each party also represents that in entering into this Agreement, it has not relied on any promise, inducement, representation, warranty, agreement or other statement not set forth in this Agreement.
- 11.5 Neither Party shall voluntarily assign this Agreement or any of its rights or duties hereunder without the written consent of the other Party, which consent shall not be unreasonably withheld. Any such assignment or delegation made without such written consent shall be null and void.

12. NOTICES

12.1 Any written notice, demand, or request required or authorized in connection with this Agreement (“Notice”) shall be deemed properly given if delivered in person or sent by first class mail, postage prepaid, to the person specified below:

If to SDG&E: San Diego Gas & Electric Company
Attention: CUSTOMER GENERATION
Address: 8316 CENTURY PARK CT, CP52F
City: SAN DIEGO, CA 92123
Phone: (858) 636-5585
FAX: (619) 819-4448

If to CG : _____
Attention: _____
Address: _____
City: _____
Phone: () _____
FAX: () _____

12.2 A Party may change its address for Notices at any time by providing the other Party Notice of the change in accordance with Section 12.1.

13. DOCUMENTS INCLUDED; DEFINED TERMS

13.1 This Agreement includes the following exhibit(s) which are specifically incorporated herein and made a part of this Agreement by this reference:

Appendix A- Description of Generating Facility and Single-Line Diagram

Appendix B- (When applicable) Copy of interconnection facility financing and ownership agreement

In addition, SDG&E Electric Rules and Rates, including but not limited to Electric Rules 2, 14, and 21, Schedules VNM-A, NEM-V and CG’s otherwise applicable rate schedule, available at SDG&E’s web-site at www.sdge.com/regulatory, or by request, are incorporated herein and made part of this Agreement.

13.2 When initially capitalized, whether in the singular or in the plural, the terms used herein shall have the meanings assigned to them either in this Agreement or in SDG&E’s electric Rule 21.

14. TERM AND TERMINATION OF AGREEMENT

14.1 This Agreement shall become effective when signed by CG and SDG&E, and shall remain in effect thereafter from month to month unless terminated by either Party on thirty (30) days’ prior written notice in accordance with Section 12.

14.2 This Agreement shall terminate, without notice, upon: (a) termination of the electric distribution service provided to CG by SDG&E; or (b) changes to CG’s electric load which cause CG to no longer satisfy all requirements of the definition of an Eligible CG set forth in Section 2827(b)4 of the California Public Utilities Code.

15. ENTIRE AGREEMENT

This Agreement, including any incorporated tariff schedules and rules, contains the entire agreement and understanding between the Parties, their agents, and employees as to the subject matter of this Agreement. Each party also represents that in entering into this Agreement, it has not relied on any promise, inducement, representation, warranty, agreement or other statement not set forth in this Agreement or in the incorporated tariff schedules and rules

16. SIGNATURES

In WITNESS WHEREOF, the Parties hereto have caused two originals of this Agreement to be executed by their duly authorized representatives. This Agreement is effective as of the last date set forth below.

(CG NAME)

SAN DIEGO GAS & ELECTRIC COMPANY

By: _____
Name: _____
Title: _____
Date: _____

By: _____
Name: _____
Title: _____
Date: _____



San Diego Gas & Electric Company
San Diego, California

	<u>Revised</u>	Cal. P.U.C. Sheet No.	<u>25292-E</u>
	<u>Revised</u>		<u>23809-E</u>
Canceling	<u>Original</u>	Cal. P.U.C. Sheet No.	<u>23273-E</u>

SAMPLE FORMS

Sheet 1

FORM 142-02766

NET ENERGY METERING
APPLICATION FOR INTERCONNECTION FOR CUSTOMERS WITH SOLAR AND/OR WIND ONLY
ELECTRIC GENERATING FACILITIES GREATER THAN 30 KILOWATTS UP TO 1000 KILOWATTS

(7/14)

(See Attached)

(Continued)

1P6

Advice Ltr. No. 2630-E

Decision No. _____

Issued by
Lee Schavrien
Senior Vice President

Date Filed Jul 21, 2014

Effective _____

Resolution No. E4665, E-4610



Net Energy Metering

*Application for Interconnection for Customers with Solar and/or Wind ONLY
Electric Generating Facilities:
Greater than 30 Kilowatts up to 1000 Kilowatts*

Please note that this Application does not constitute an application for any **rebate** and/or **incentive programs**. For more information on these programs and their specific applications, please contact the California Center for Sustainable Energy at <http://www.energycenter.org> or by phone **1-858-244-1177**.

For more information on the New Solar Homes Partnership (NSHP) or the Emerging Renewable Program (ERP), please go to <http://sdge.com/clean-energy/going-solar/applying-solar-rebates> or www.consumerenergycenter.org/erprebate, respectively, where you will find information about the programs, including the program handbook, reservation request forms with the program contract as well as a list of requirements, FAQ's and resources. For additional questions about the NSHP program, contact an account representative by e-mail at newsolarhomes@sdge.com or by phone at **1-866-631-1744**.

Application Identification (APP ID) Number _____ (for SDG&E's use only)

Please check the appropriate boxes below and continue with this application.

- I am also applying for a CSI rebate, and understand that I will have to apply for CSI rebates separately.
- I am also applying for a NSHP rebate, and understand that I will have to apply for the NSHP rebates separately.
- I am not applying for any rebates

Solar/wind system method of payment:

- Lease – Who is the third party owner? (_____)
- “or”
- Purchase (Please provide the installed cost? \$ _____)

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

A. Applicability and Purpose:

This *NET ENERGY METERING APPLICATION FOR INTERCONNECTION FOR CUSTOMERS WITH SOLAR AND/OR WIND ONLY ELECTRIC GENERATING FACILITIES GREATER THAN 30 KW UP TO 1000 KW* ("Application") applies to electric rate schedules NEM, NEM-V or VNM-A, Net Energy Metering Service (NEMS) for Customer-Generators ("Customer") who interconnect a solar and/or wind turbine electrical Generating Facility, or a hybrid system of both, with an aggregate capacity of greater than 30 kilowatts (kW) but 1000 kilowatts or less that is located on Customer's premises, and that operates in parallel with San Diego Gas and Electric Company's ("SDG&E") Distribution System.

The purpose of this Application is to begin the process for Customers wanting to interconnect with SDG&E's Distribution System, subject to the provisions of this Application, Interconnection Agreement for Net Energy Metering or Virtual Net Energy Metering ("Agreement") and SDG&E's rate schedule NEM, NEM-V or VNM-A. Customer has elected to interconnect and operate its solar and/or wind electric Generating Facility in parallel with SDG&E's Distribution System, primarily to offset part or all of the Customer's own electrical requirements at this service point. Customer shall comply at all times with the Agreement as well as with all applicable laws, tariffs and applicable requirements of the Public Utilities Commission of the State of California.

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

Please complete this application in its entirety

- New NEM Generating Facility interconnection (at an existing service)
- Physical Changes to an interconnected Generating Facility with previous approval by SDG&E (adding PV panels, changing inverters/turbines or changing load and/or operations)
- NEM Aggregation Generating Facility (if checked, please complete Form 142-02769)
- New interconnection in conjunction with a new service
 - └ An **Application for Service** must be completed. Additional fees may be required if a service or line extension is required (in accordance with SDG&E Electric Rules 15 and 16). Please contact SDG&E at 1-800-411-7343.
- Interconnection under Direct Access (DA)
 - └ Customers applying for NEMS who are served under **Direct Access** by an Energy Service Provider (ESP) must contact their ESP directly for information regarding the ESP's Net Energy Metering program.
- Interconnection under Community Choice Aggregation Service (CCA Service)
 - └ Customers applying for NEMS who are served under Community Choice Aggregation Service by a Community Choice Aggregator (CCA) must contact their CCA directly for information regarding the CCA's Net Energy Metering program.

C. Customer Generating Facility Information - Where will the Generating Facility be installed?

Name shown on SDG&E service account (Must match Customer Name on SDG&E bill)		Account Number	Meter Number
Street Address			
City	State	Zip	
Mailing Address			
City	State	Zip	
Business Phone	Home Phone	Fax	Mandatory E-mail

D. Contractor Information (Must be completed even if Contractor will not serve as an SDG&E contact).

Contractor		Company Name	
Mailing Address			
City	State	Zip	
Business Phone	Fax	Mandatory E-mail	
<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> This contractor is to be used as an SDG&E contact and is authorized by Customer to receive confidential Customer information and act on behalf of Customer with respect to this agreement.			

By checking the box in Section D. above, Customer authorizes SDG&E to release information to the contact(s) named above regarding Customer's usage and billing information, Generating Facility location, size and operational characteristics as requested in the course of this interconnection process. SDG&E is granted permission to share information with authorized recipients for a period of **three years** from the effective date of the Agreement. Should Customer wish to select a different authorization period, Customer may utilize the "Authorization to Receive Customer Information or Act on a Customer's Behalf," which may be found at:

Please complete this application in its entirety

<http://www.sdge.com/clean-energy/apply-nem/apply-nem-resources>

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

The Agreement is applicable only to the Generating Facility described above and installed at the above location. The Generating Facility may not be relocated or connected to SDG&E's system at any other location without SDG&E's express written consent.

Customer shall be responsible for the design, installation, operation, and maintenance of the Generating Facility and shall obtain and maintain any required governmental authorizations and/or permits.

Part II – Requirements for Interconnection

Permission to Interconnect

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

Safe Operation of your Generating Facility

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

Meter Access

Your SDG&E electric meter must be installed in a safe SDG&E-accessible location and remain unobstructed by locked gates or pets. Additionally, meter access must be maintained at all times for meter reading and system maintenance. Any animals owned by the Customer, including pet dogs, should not have access to these areas to avoid hindering SDG&E service personnel, preventing them from completing their work.

Document and Fee Requirements

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

Stale Applications

If this **Application** is still pending **two years from its date of submittal** and Customer has not met all of the requirements, SDG&E will close this **Application** and Customer will be required to submit a new application should Customer wish to take service under Schedule NEM, NEM-V or VNM-A.

A. Interconnection Package

Specific documents are needed to ensure safe and reliable operation of SDG&E's Distribution System and to confirm that Customer's interconnection has been performed in accordance with SDG&E's tariffs. **To ensure prompt attention and authorization of your project and to avoid any delays, we would need to receive your complete package two (2) weeks or more before city or county electrical inspection is released.** As SDG&E receives the documentation described in Sections (1) through (5) below, SDG&E will begin to process the application.

Required Documents for New Applicants:

1. Two (2) completed copies of the applicable **Agreement**. **For Schedule NEM:** The Customer must download and print two (2) copies of SDG&E form142-02760 (09/09) from the following link: http://sdge.com/sites/default/files/documents/nem-ELEC_ELEC-SF_142-02760.pdf
For Schedule NEM-V or VNM-A: The Customer must download and print two (2) copies of SDG&E form142-02760.5 (06/12) from the following link: http://regarchive.sdge.com/tm2/pdf/ELEC_ELEC-SF_142-02760_5.pdf

The Customer shall fill out both applicable forms completely, **sign** and **mail both copies** including any attachments to SDG&E at the address noted in Part IV (F), "Notices" herein.

Please complete this application in its entirety

Please note: the Customer name (as identified in Part I, Section C) **must be the same name** as on the SDG&E bill. In the Agreement, Customer will confirm their otherwise-applicable rate schedule (OAS), establishing how Customer's monthly usage or net generation will be charged/credited. Customer-initiated rate changes are governed in accordance with SDG&E's Electric Rule 12.

2. A **single-line diagram** showing Customer's actual installation of his/her Generating Facility (required in Appendix A of the Agreement). The diagram must include the electrical rating and operating voltages of the significant electrical components such as the service panel, the disconnect switch (if required), inverters, all wind and/or photovoltaic generators, circuit breakers and other protective devices of the Generating Facility, the general location of the Customer's loads relative to the Generating Facility, and the interconnection with SDG&E's Distribution System. The diagram must include the following information:

a. A description and location of the visible, lockable **AC disconnect switch**.

SDG&E *requires* that a Customer installing an inverter-based generator install an AC disconnect switch to facilitate maintenance of the Customer's equipment (i.e. inverter, PV arrays, etc) without the need for interrupting electric service to the Customer. The AC disconnect switch allows SDG&E to isolate the Customer's Generating Facility from SDG&E's Distribution System without having to interrupt electric service to the Customer's business or residence.

SDG&E's AC disconnect requirement for Distributed Energy Resources (Distributed Generation) will continue to apply to:

- Inverter-based interconnections having a transformer-rated meter (i.e., all meter panels or switchboards employing the use of potential and current transformers).
- Non-inverter based generators, including rotating or machine-based generators – regardless if the service meter configuration is transformer-rated or self-contained.

b. A description of the specific **inverter(s)** used to control the interconnection between SDG&E and the Generating Facility, including rating, brand name, and model number. CEC-certified inverters¹ will pass the requirements for Simplified Interconnection/Initial Review pursuant to SDG&E's Electric Rule 21. Non-certified units will require further study and may involve additional costs.

c. A complete description of the **generating equipment that the Customer plans to install**. If the Generating Facility includes photovoltaic panels, the description must include the manufacturer name, model number, number of panels, and the nameplate rating. If the Generating Facility includes a wind turbine, the description must include the manufacturer name, model number, number of turbines, and the nameplate rating. Only CEC-certified inverters and certified wind-turbine generators without separate inverters will pass the requirements for Simplified Interconnection/Initial Review. (See the SDG&E website <http://www.sdge.com/business/netMetering.shtml> or the CEC website at: www.gosolarcalifornia.org/equipment

d. A description of how the power output from the inverter is connected to the **main service panel via a branch breaker**. The ampere rating of this branch breaker and the main service panel breaker must be compatible with the output rating of the Generating Facility. The output rating is computed based on the total nameplate rating of the inverter.

e. If such metering is required, a complete description of the **performance (generation output) meter and related equipment must be provided**. The description must include the meter manufacturer, model number and type (socket or panel), as well as any other relevant information (e.g., socket, panels, breakers). If instrument transformers are required, the description should include this information. For further information please go to SDG&E's Electric Service Standards & Guide Manual website at: <http://www.sdge.com/builderservices/serviceGuide.shtml>

3. The final approval by the city or county electrical inspector is required before SDG&E can conduct their field inspection. The **Jurisdictional inspector must notify SDG&E's New Service Department directly**. The Net Metering Team cannot accept copies of an electrical permit.

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

Part III – General Facility and Rate Information

A. What is your current Electric Rate Schedule?

RESIDENTIAL:

- Non-Time-of-Use Residential Service
- TOU – Residential Time-of-Use Service
- SES – Residential Time-of-Use Service (Solar Energy Systems)
- LI – Care Electric Domestic Service
- Multi Family Service
- Other Residential rate schedule (_____) please enter

SMALL COMMERCIAL:

- Small General Non-Time-of-Use Service
- LTOU – Large General Time-of-Use Service (≥ 20 Kw)

AGRICULTURAL:

- General Agricultural Power
- 1 – Agricultural Power - Optional Time of Use
- Other (_____)

Historical and current electrical rate information may be found at:

<http://sdge.com/rates-regulations/current-and-effective-tariffs/current-and-effective-tariffs>. Depending on Customer's rate schedule and metering arrangement, an installation fee and/or reprogramming fee may be required to provide net energy metering.

Customers will be billed monthly. Only residential and small commercial customers may, at their option, pay their total bills either monthly or annually, with the understanding that any and all payments will be reconciled at the completion of the true-up period. Agricultural, medium and large commercial customers must pay their total bills monthly. At the end of every twelve (12) billing cycles, or other reconciliation period as provided in Schedule NEM, NEM-V or VNM-A Customer's charges will be totaled including: (1) any unpaid monthly non-energy charges, (2) the charge for any net-energy consumption as defined in rate Schedule NEM NEM-V or VNM-A. Customer's total payments for the twelve (12) billing cycles or other reconciliation period as provided in Schedule NEM, NEM-V or VNM-A will then be subtracted from the total charges. Customer will then be billed for any balance due. In addition, SDG&E Electric Rules and Rates, including but not limited to Electric Rules 2, 14, 15, 16, and 21, Schedule NEM, NEM-V or VNM-A and Customer's OAS may apply.

For further information on understanding NEM billing, please view the video entitled "Net Energy Metering (NEM) Billing" located at SDG&E's Net Energy Metering website at: <http://sdge.com/clean-energy/overview/overview>

B. Will this account be established in a new subdivision?

- If yes: (a) who is the developer? _____
- (b) tract number? _____
- (c) name of the development? _____
- (d) please attach a list of lots/addresses included with this application

C. Will an electric vehicle recharging facility be included as part of the load at this location?

- If yes, will the vehicle recharging facility be separately metered from the residence?
- Solar and/or Wind generators will serve: residence or business (circle one)
- Solar and/or Wind generators will serve both residence and business

D. Expected date SDG&E Receives Final Approval of Jurisdictional Electrical Inspector of Generating Facility?

Date: _____

E. Are there any other generators connected on this account?

If yes, specify what kind of generator _____

F. Are there any possible meter access issues?

If yes, check all that apply:

<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> Locked gate	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> Meter located inside of facility/residence
<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> Restrained animal at meter or AC disconnect switch location	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> Meter (Please explain) _____

G. Are you on a Demand Response program?

If yes, what program are you on? _____

(For more information on SDG&E's Demand Response programs see:
<http://www.sdge.com/aboutus/longterm/longtermDemandResponse.shtml>)

Part IV – Description of the Generating Facilities *Use additional sheets, if necessary.*

A. AC Disconnect Switch

List the AC disconnect switch that will be used at this Generating Facility.

Disconnect Switch Manufacturer	Disconnect Switch Model Number	Disconnect Switch Rating (amps)

B. Inverters interconnected with SDG&E

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

Customers with non-Certified inverters which are not listed on the CEC website referenced on Part II Section A.2.c. above, or Customers whose aggregate Generating Facility capacity exceeds 15% of the peak load on the distribution line section as described in Electric Rule 21 require a **Supplemental Review** which may entail a study, additional equipment, fees and/or other requirements.

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

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

C. Photovoltaic Generator Equipment

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

No.	PV Panel Manufacturer	PV Panel Model	PV Panel Nameplate Rating ³ kW (per unit)	PV Panel CEC Rating kW (per unit)	Quantity of PV Panels	Total Capacity ⁴ (kW)	Inverter number from (B) above (1 or 2)
1							
2							

D. Wind Turbine Equipment

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

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

E. Service Panel Short Circuit Interrupting Rating:

What is the short circuit interrupting rating (SCIR) rating of the service panel connected to this generating facility?

.....

F. Notices - 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 Attention: Net Metering Team Mail Code CP52F P.O. Box 129831 San Diego, California 92123	San Diego Gas and Electric Company Attention: Net Metering Team Mail Code CP52F 8316 Century Park Ct San Diego, California 92123

Internet Application Forms:

If this Application 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, in Part IV (F), Notices.

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

4 The total capacity is the PV panel (or wind turbine) rating times the quantity.

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

Please complete this application in its entirety

Customer understands and agrees that it must not operate their Generating Facility in parallel with SDG&E's Distribution System until Customer receives written authorization for Parallel Operation from SDG&E.

✕ ✕ CUSTOMER HAS READ IN ITS ENTIRETY AND AGREES— CUSTOMER MUST CHECK BOX.

✕ ✕ CUSTOMER UNDERSTANDS THAT TO COMPLETE THE INTERCONNECTION APPLICATION PROCESS THEY MUST download and print two (2) copies of “either”

1) SDG&E **Schedule NEM** Interconnection Agreement form 142-02760 (09/09) from the following link:
http://sdge.com/sites/default/files/documents/nem-ELEC_ELEC-SF_142-02760.pdf

“and (if applicable)”

1a) SDG&E **NEM Aggregation** form 142-02769 from the following link:
http://regarchive.sdge.com/tm2/pdf/ELEC_ELEC-SF_142-02769.pdf

“or”

2) SDG&E **Schedule NEM-V or VNM-A** Interconnection Agreement form 142-02760.5 (06/12) from the following link:
http://regarchive.sdge.com/tm2/pdf/ELEC_ELEC-SF_142-02760_5.pdf

The Customer shall fill out both applicable forms completely, sign and mail both copies including any attachments to SDG&E at the address noted in Part IV (F), “Notices” herein.



San Diego Gas & Electric Company
San Diego, California

Revised Cal. P.U.C. Sheet No. 25293-E

Canceling Original Cal. P.U.C. Sheet No. 24083-E

SAMPLE FORMS
FORM 142-02769

Sheet 1

Net Energy Metering (NEM) Aggregation Form

(7/14)

See Attached Form

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1P8

Advice Ltr. No. 2630-E

Decision No. _____

Issued by
Lee Schavrien
Senior Vice President

Date Filed Jul 21, 2014

Effective _____

Resolution No. E4665, E-4610



NET ENERGY METERING (NEM) AGGREGATION FORM

List of Meters and Accounts Eligible for NEM Aggregation under
Special Condition 8 of Schedule NEM

Selection of Method of Interconnection under Special Condition 8
of Schedule NEM

NEM Aggregation Declaration of Eligible Customer-Generator
with Multiple Meters

NET ENERGY METERING (NEM) AGGREGATION FORM OF SAN DIEGO GAS & ELECTRIC COMPANY

This form must be completed and submitted to San Diego Gas & Electric (SDG&E) by an eligible customer-generator electing to take service under Schedule NEM Special Condition (SC) 8: NEM Aggregation. In addition to the completion of this form, an eligible customer-generator must indicate its NEM Aggregation election in Part 1, Section B of Forms 142-02765 or 142-02766, as applicable. In accordance with Schedule NEM, SC 8, SDG&E will aggregate the load of the NEM Aggregation Customer's meters listed below where the customer-generator is SDG&E's customer of record and the meters are (i) located on the same property where the Renewable Electrical Generation Facility, as defined under Schedule NEM, is located, or (ii) on property adjacent or contiguous to that property as long as those properties are solely owned, leased, or rented by the customer-generator. Parcels that are divided by a street, highway, or public thoroughfare are considered contiguous for NEM Aggregation purposes, provided that parcels comprising the property are otherwise contiguous and under the same ownership as described in (ii) above.

In accordance with this form:

(i) Pursuant to Schedule NEM, SC 8, the electricity generated by the Renewable Electrical Generation Facility and exported to the grid shall be allocated to each of the Aggregated Accounts in proportion to the electrical load served by those meters, and

(ii) In accordance with Paragraph (c)(8) of Schedule NEM, SC 8, the NEM Aggregation Customer shall remit payment for service charges incurred by SDG&E for the cost of providing NEM Aggregation billing services, and

(iii) The NEM Aggregation Customer shall be ineligible to receive net surplus electricity compensation while taking service under SC 8 of Schedule NEM.

NET ENERGY METERING (NEM) AGGREGATION FORM

List of Meters and Accounts Eligible for NEM Aggregation under Special Condition 8 of Schedule NEM

Below, please list all meters and accounts to be included in the Aggregated Arrangement.

Generating Account	Customer- Generator Meter Number	Account Service Address as listed on your Billing Statement (Street, City, Zip Code – no P.O. Boxes)	Estimated Annual kWh Production ¹

¹Formulas for Solar, Wind, and Other Technologies:

Solar

$$\text{CEC-AC}^2 \text{ rating} \times 1,664^3 = \underline{\hspace{2cm}}$$

Wind

$$\text{Total Inverter Nameplate Rating} \times 2,190^4 = \underline{\hspace{2cm}}$$

Other Technologies

$$\text{Total Inverter Nameplate Rating} \times 7,008^5 = \underline{\hspace{2cm}}$$

² CEC-AC (kW) = California Energy Commission Alternating Current, refers to inverter efficiency rating (Quantity of PV Modules x PTC Rating of PV Modules x CEC Inverter Efficiency Rating)/1,000

³ Estimated Solar Production = 8,760 hrs/yr X 0.19 solar capacity factor = 1,664

⁴ Estimated Wind Production = 8,760 hrs/yr X 0.25 wind capacity factor = 2,190

⁵ Estimated Other Technologies = 8,760 hrs/yr X 0.80 other technologies capacity factor = 7,008

NET ENERGY METERING (NEM) AGGREGATION FORM

Aggregated Accounts	Meter Numbers	Aggregated Account Service Address as listed on your Billing Statement (Street, City, Zip Code - no P.O. boxes)	Annual kWh Load ⁷
1.			
2.			
3.			
4.			
5.			
6.			
7.			
8.			
9.			
10.			
Total Annual kWh			
120% of Total Annual kWh			

(Use more sheets as necessary.)

Signature of NEM Aggregation Customer _____ Date: _____

⁶ If this is a new account, enter *NEW*.

⁷ For previous twelve months from date of signature. Please also enter the annual kWh for generator account prior to the generator being installed; if none, enter zero.

NET ENERGY METERING (NEM) AGGREGATION FORM

Selection of Method of Interconnection under Special Condition 8 of Schedule NEM

Please select the customer-generator's method for interconnecting its Renewable Electrical Generation Facility or facilities to the electrical grid. For a detailed description of the interconnection methods, please refer to SC 8, Section d of SDG&E's Schedule NEM.

Check one of the following. If multiple generator meters are contained in the arrangement, check any that apply: While multiple Aggregated Arrangements can exist, I thought there can only be one Generating Account per Aggregated Arrangement

- Billing Account Method
- Net Generator Output Meter (NGOM) Method

NET ENERGY METERING (NEM) AGGREGATION FORM

NEM Aggregation Declaration

I, _____, state as follows:

1. I am an authorized representative of _____ (“Customer”) and I am authorized to make this declaration.
2. I have personal knowledge of the matters set forth herein and if called upon as a witness could and would testify competently thereto.
3. Customer is applying for NEM Aggregation service with San Diego Gas & Electric Company (“SDG&E”).
4. Customer hereby states that
 - a. Customer is an “eligible customer-generator” with multiple meters. “Eligible customer-generator” means
 1. a customer who uses a Renewable Electrical Generation Facility, or a combination of those facilities,
 2. with a total capacity of not more than one megawatt,
 3. that is located on the customer’s owned, leased, or rented property,
 4. and is interconnected and operates in parallel with the electrical grid,
 5. and is intended primarily to offset part or all of the customer’s own electrical requirements. [California Public Utilities Code Section 2827(b)(4)]
_____ *Initial*
 - b. Customer elects to aggregate the electrical load derived by the meters identified herein.
 - c. Customer declares and represents that all of the meters identified herein are
 1. located on the property where the Renewable Electrical Generation Facility is located [_____ *Initial*], and
 2. located on property adjacent or contiguous to the property on which the renewable electrical generation facility is located. [_____ *Initial*] Parcels that are divided by a street, highway, or public thoroughfare are considered contiguous, provided they are otherwise contiguous and under the same ownership.
 - d. Customer declares and represents that all of the properties referenced herein are solely owned, leased, or rented by Customer.

_____ *Initial*

NET ENERGY METERING (NEM) AGGREGATION FORM

NEM Aggregation Declaration (continued)

5. Customer understands that an eligible customer-generator may only elect to aggregate the electrical load of multiple meters if the Renewable Electrical Generation Facility or combination of those facilities has a total generating capacity of not more than one megawatt. Customer declares and represents that the total generating capacity of the facility or combination of facilities referenced herein does not exceed one megawatt.

_____ *Initial*

6. Customer understands that receiving service under NEM Aggregation renders Customer ineligible to receive NEM net surplus electricity compensation while taking service under Special Condition 8 of Schedule NEM.
7. Customer shall be responsible for paying all service charges rendered by SDG&E for the costs of providing billing services under NEM Aggregation.

I declare under penalty of perjury under the laws of the State of California that the foregoing is true and correct. Executed this ____ day of _____,
_____ at _____,
_____ [city, state].

[Signature]

Authorized Representative of Customer

_____ [Date]

This document may be submitted via an electronic signature process (if available) or by e-mail or fax provided the originals are delivered to SDG&E within ten (10) business days thereafter.



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.....	25294, 24941, 24085, 24867, 25295, 24869, 25250-E 25296, 23510, 25297, 25226, 24435, 19529-E
PRELIMINARY STATEMENT:	
I. General Information.....	8274, 18225, 22140-E
II. Balancing Accounts	
Description/Listing of Accounts	19402, 20706-E
California Alternate Rates for Energy (CARE) Balancing Account.....	21639, 21640-E
Rewards and Penalties Balancing Account (RPBA).....	21643, 22802-E
Transition Cost Balancing Account (TCBA).....	22803, 19411, 22804, 22805, 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).....	23826, 23827, 23828, 23829, 23830-E
Low-Income Energy Efficiency Balancing Account (LIEEBA).....	19431, 19432-E
Non-Fuel Generation Balancing Account (NGBA).....	23814, 23815, 23816, 23768-E
Electric Procurement Energy Efficiency Balancing Account (EPEEBA).....	19438-E
Common Area Balancing Account (CABA).....	19439-E
Nuclear Decommissioning Adjustment Mechanism (NDAM).....	22811-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

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T

(Continued)

1P4

Advice Ltr. No. 2630-E

Issued by **Lee Schavrien**
Senior Vice President

Date Filed Jul 21, 2014

Effective

Decision No.

Resolution No. E4665, E-4610



TABLE OF CONTENTS

Sheet 5

<u>SCHEDULE NO.</u>	<u>SERVICE</u>	<u>CAL. P.U.C. SHEET NO.</u>
	<u>Lighting Rates</u>	
LS-1	Lighting - Street and Highway – Utility-Owned Installations	24026, 24027, 24028, 12626, 12627, 12628-E 21439-E
LS-2	Lighting - Street and Highway – Customer-Owned Installations	24029, 24030, 24031, 24032, 24033, 22362-E 22363, 22364-E
LS-3	Lighting - Street and Highway - Customer-Owned Installations	24034, 14943, 21441-E
OL-1	Outdoor Area Lighting Service	24035, 20280, 21442-E
OL-2	Outdoor Area Lighting Service Metered – Customer-Owned Installation	24036, 21444, 21445-E
DWL	Residential Walkway Lighting.....	24037, 21450-E
	<u>Miscellaneous</u>	
PA	Power – Agricultural	24038, 20539, 21451-E
PA-T-1	Power – Agricultural – Optional Time-of-Use.....	24039, 24040, 20542, 20543, 21385, 21452-E
TOU-PA	Power - Agricultural Time of Use Service	24859, 24379, 24377, 24378-E
S	Standby Service	24041, 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, 21894, 15111, 16976-E 21454, 21895-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	22951, 22952, 23042, 22954, 22955-E
OBMC	Optional Binding Mandatory Curtailment Plan.....	14625, 15198, 14627, 21948-21951-E
PEVSP	Plug-in Electric Vehicle Submetering Pilot (Phase I)	25237, 25238, 25239, 25240, 25241-E
SLRP	Scheduled Load Reduction Program	14584, 22957, 22958, 14587, 18367-E
RBRP	Rolling Blackout Reduction Program.....	18259, 18260, 20546, 18262-E
DBP	Demand Bidding Program.....	25218, 23478, 23479, 25219-E
DBP-DA	Demand Bidding - Day Ahead (US Navy).....	25220, 25221, 23630, 23631-E
NEM	Net Energy Metering	25272, 25273, 25274, 25275, 25276, 25277-E 25278, 25279, 25280, 25281, 25282, 25283-E 25284, 25285, 25286, 25287, 25288, 25289-E
NEM-FC	Net Energy Metering for Fuel Cell Customer Generators.....	24910, 23437, 23438, 23439, 23440, 23441-E 23442, 23442-E
E-PUC	Surcharge to Fund Public Utilities Commission Reimbursement Fee	15214-E
DWR-BC	Department of Water Resources Bond Charge.....	24042-E
DA-CRS	Direct Access Cost Responsibility Surcharge.....	23089, 22456, 21814, 21815-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.....	23090, 21817-E
CCA-INFO	Information Release to Community Choice Providers.....	22783, 17858, 22784, 17860-E
CBP	Capacity Bidding Program	25207, 25208, 25209, 25210, 25211, 25212-E 25213, 25214, 25215, 25216, 25217-E
UM	Unmetered Electric Service	24043, 19337, 19338-E

T
T
T

(Continued)

5P4 Issued by **Lee Schavrien** Date Filed Jul 21, 2014
Advice Ltr. No. 2630-E Senior Vice President Effective _____
Decision No. _____ Resolution No. E4665, E-4610



TABLE OF CONTENTS

Sheet 8

SAMPLE FORMS

<u>Form No.</u>	<u>Date</u>	<u>Applications, Agreements & Contracts</u>	<u>Cal. P.U.C. Sheet No.</u>
101-663A	10-68	Agreement - Bills/Deposits.....	2497-E
101-4152G	6-69	Sign Up Notice for Service.....	1768-E
106-1202	6-96	Contract for Special Facilities.....	9118-E
106-1502C	5-71	Contract for Agricultural Power Service.....	1919-E
106-1959A	5-71	Absolving Service Agreement, _____ Service from Temporary Facilities.....	1921-E
106-2759L	4-91	Agreement for Replacement of Overhead with Underground Facilities.....	7063-E
106-3559	- - -	Assessment District Agreement.....	6162-E
106-3559/1	- - -	Assessment District Agreement.....	6202-E
106-3859	01-01	Request for Service at Secondary/Primary Substation Level Rates.....	14102-E
106-3959	6-96	Contract for Special Facilities Refund.....	9120-E
106-4059	6-96	Contract for Buyout Special Facilities.....	9121-E
106-5140A	10-72	Agreement for _____ Service.....	2573-E
106-15140	5-71	Agreement for Temporary Service.....	1920-E
106-36140	11-73	Agreement for Street Lighting - Schedule LS-1.....	2575-E
106-37140	11-73	Agreement for Street Lighting - Schedule LS2-A.....	2576-E
106-38140	11-73	Agreement for Street Lighting - Schedule LS2-B.....	2577-E
106-13140	6-95	General Street Lighting Contract.....	8785-E
106-14140A	1-79	Street Lighting Contract, Supplement.....	3593-E
106-2059A	6-69	Contract for Outdoor Area Lighting Service.....	1773-E
106-23140	9-72	Contract for Residential Walkway Lighting Service.....	2581-E
106-35140E	11-85	Underground Electric General Conditions.....	5547-E
106-43140	11-85	Overhead Line Extension General Conditions.....	5548-E
106-44140	1-08	Agreement for Extension and Construction of _____.....	20421-E
65502	5-04	Statement Of Applicant's Contract Anticipated Cost For Applicant Installation Project.....	17139-E
107-00559	3-98	Proposal to Purchase and Agreement for Transfer of Ownership of Distribution Systems.....	11076-E
116-2001	12-11	Combined Heat & Power System Contract less than 20 MW	22627-E
116-0501	12-11	Combined Heat & Power System Contract less than 5 MW	22628-E
116-0502	06-12	Combined Heat & Power System Contract less than 500kW	22997-E
117-2159B	- - -	Standard Offer for Power Purchase and Interconnection - Qualifying Facilities Under 100 Kw.....	5113-E
117-2160	07-14	Generating Facility Interconnection Agreement (NEM/Non- NEM Generating Facility Export).....	25290-E
117-2160-A	05-14	Generating Facility Interconnection Agreement (NEM/Non- NEM Generating Facility Export) Federal Government Only..	24924-E
117-2259	8-95	Electronic Data Interchange (EDI) and Funds Transfer Agreement.....	8802-E
118-159	7-91	Group Load Curtailment Demonstration Program - Curtailment Agreement	7153-E
118-00228	7-98	Agreement for Illuminated Transit Shelters.....	11455-E

(Continued)

8P4

Issued by

Date Filed

Jul 21, 2014

Advice Ltr. No. 2630-E

Lee Schavrien

Effective

Senior Vice President

Decision No. _____

Resolution No. E4665, E-4610



TABLE OF CONTENTS

Sheet 10

SAMPLE FORMS

Form No.	Date	Applications, Agreements & Contracts	Sheet No.
142-732/16	05-14	Residential Rate Assistance Application (Korean).....	24887-E
142-732/17	05-14	Residential Rate Assistance Application (Russian).....	24888-E
142-732/18	05-14	Residential Rate Assistance Application (Tagalog).....	24889-E
142-732/19	05-14	Residential Rate Assistance Application (Thai).....	24890-E
142-740	05-14	Residential Rate Assistance Application (Easy/App)	24891-E
142-959	06-96	Standard Form Contract for Service New Job Incentive Rate Service.....	9129-E
142-1059	06-96	Standard Form Contract for Service New Job Connection Credit.....	9130-E
142-1159	03-94	Standard Form Contract - Use of Rule 20A Conversion Funds to Fund New Job Connection Credit.....	8103-E
142-1359	05-95	Request for Contract Minimum Demand.....	8716-E
142-1459	05-95	Agreement for Contact Closure Service.....	8717-E
142-1559	05-95	Request for Conjunctive Billing.....	8718-E
142-1659	05-95	Standard Form Contract - Credits for Reductions in Overhead to Underground Conversion Funding Levels.....	8719-E
142-01959	01-01	Consent Agreement.....	14172-E
142-02559	01-98	Contract to Permit Billing of Customer on Schedule AV-1 Prior to Installation of all Metering and Equipment Required to Provide a Contract Closure in Compliance With Special Condition 12 of Schedule AV-1.....	11023-E
142-02760	12-12	Interconnection Agreement for Net Energy Metering Solar or Wind Electric Generating Facilities for Other than Residential or Small Commercial of 10 Kilowatts or Less.....	22735-E
142-02760.5	07-14	Interconnection Agreement for Virtual Net Metering (VNM) Photovoltaic Electric Generating Facilities.....	25291-E
142-02761	10-03	Biogas Digester Generating Facility Net Energy Metering and Interconnection Agreement.....	16697-E
142-02762	01-13	Fuel Cell Generating Facility NEM and Interconnection Agreement.....	23444-E
142-02763	10-12	NEM/VNM-A Inspection Report.....	23234-E
142-02765	10-12	NEM Application & Interconnection Agreement for Customers with Solar and/or Wind Electric Generating Facilities of 30 kW or Less.....	23235-E
142-02766	07-14	NEM Application & Interconnection Agreement for Solar and/or Wind Electric Generating Facilities Greater than 30 kW or up to 1000 kW.....	25292-E
142-02768	02-09	Photovoltaic Generation Allocation Request Form.....	21148-E
142-02769	07-14	NEM Application Form.....	25293-E
142-02770	12-12	Generation Credit Allocation Request Form.....	23288-E
142-02771	06-14	Rule 21 Generator Interconnection Agreement (GIA).....	25064-E
142-02772	06-14	Rule 21 Detailed Study Agreement.....	25065-E
142-3201	---	Residential Hotel Application for Residential Rates.....	5380-E
142-3242		Agreement for Exemption from Income Tax Component on Contributions and Refundable Advances.....	6041-E
142-4032	05-14	Application for California Alternate Rates for Energy (CARE) Program for Qualified Agricultural Employee Housing Facilities.....	24893-E
142-4035	06-05	Application for California Alternate Rates for Energy (CARE) Program for Migrant Farm Worker Housing Centers.....	18415-E
142-05200	09-12	Generator Interconnection Agreement for Fast Track Process.....	23216-E
142-05201	09-12	Exporting Generating Facility Interconnection Request.....	23217-E
142-05202	01-01	Generating Facility Interconnection Application Agreement....	14152-E
142-05203	06-14	Generating Facility Interconnection Application.....	25066-E
142-05204	06-14	Rule 21 Pre-Application Report Request.....	25067-E
142-05205	07-02	Optional Binding Mandatory Curtailment Plan Contract.....	17729-E
142-05207	04-06	Base Interruptible Program Contract.....	23043-E
142-05209	04-01	No Insurance Declaration.....	15476-E
142-05210	06-04	Rolling Blackout Reduction Program Contract.....	18273-E
142-05211	06-04	Bill Protection Application.....	18273-E
142-05212	07-03	Demand Bidding Program Non-Disclosure Agreement.....	17152-E
142-05215	04-06	Third Party Marketer Agreement for BIP.....	22975-E

(Continued)

10P4

Issued by

Date Filed

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Decision No.

Resolution No. E4665, E-4610