
August 21, 2006

ADVICE 1969-E-A
(U 338-E)

PUBLIC UTILITIES COMMISSION OF THE STATE OF CALIFORNIA
ENERGY DIVISION

SUBJECT: Supplement to Advice 1969-E, Establishment of Schedule CT-NEM, Combined Technologies – Net Energy Metering, and the Generating Facility Interconnection Agreement For Combined Technologies, Pursuant to Decision No. 05-08-013

In Compliance with California Public Utilities Commission (Commission) Resolution E-3992, Southern California Edison Company (SCE) hereby submits for filing the following changes to its tariff schedules and filed forms. The revised tariff sheets and filed form are listed on Attachment A and are attached hereto.

PURPOSE

The purpose of this filing is to supplement, in its entirety, Advice 1969-E, which was originally filed on February 22, 2006, in compliance with Commission Decision (D.) 05-08-013, to implement Ordering Paragraph 2, bullet 5, of D.05-08-013.

BACKGROUND

On August 25, 2005, the Commission issued D.05-08-013 which, among other things, directed SCE to provide a mechanism that will allow a customer to operate a generating facility that consists of: (1) More than one net energy metering (NEM) eligible generator, where at least two of the generators are served under different NEM schedules (e.g., NEM, BG-NEM, or FC-NEM), and where all generators are located on a single premises; or (2) A generating facility consisting of one or more NEM-eligible generators and one or more non-NEM generators, and where all generators are located on a single premises.

On February 22, 2006 SCE filed Advice Letter 1969-E, which proposed a proration method for determining NEM credits for the facilities described above. SCE proposed to install metering to determine actual energy output from each generator, and established a

methodology which credited the relative proportion of exported energy attributable to the NEM-eligible generator.

On March 13, 2006, the City of San Diego filed a protest to Advice 1969-E, arguing that any crediting method other than “stacking” – one which assumes that any excess energy was produced by an NEM-eligible generator, up to the full output of the generator – was not in compliance with D.05-08-015.

On March 21, 2006, SCE responded to the City of San Diego’s protest, countering city’s contention that SCE’s proposed schedule CT-NEM, Combined Technology Net Energy Metering, prevented an NEM-eligible generator from receiving full NEM rate treatment on all exported energy to the grid, up to the annual energy produced from one or more NEM eligible generators. SCE’s response to the City of San Diego’s protest clarified that D.05-08-013 mandated that the utilities could not prohibit export to the utility grid from an NEM-eligible generator. However, D.05-08-013 did not mandate the utilities to prioritize excess energy exported to the utility grid in a way that assumed the excess energy was produced by an NEM eligible generator, up to the output of such generator, with any residual excess energy assigned to a non-NEM eligible generator last.

On July 20, 2006, the Commission’s Energy Division issued Resolution E-3992 rejecting all three utilities’ proposed D.05-08-013 compliance advice filings. SCE’s advice 1969-E was thus rejected, and pursuant to Ordering Paragraph 1 of Resolution E-3992, all three utilities were ordered to abandon a stand alone Combined Technology Net Energy Metering tariff schedule, and instead incorporate the mandates of Ordering Paragraphs 2 through 9 of Resolution E-3992 into existing NEM schedules, tariff Rule 21, Generating Facility Interconnection Agreements, and any other tariff schedule affected by the Ordering Paragraphs of Resolution E-3992. Pursuant to Resolution E-3992 Ordering Paragraph 10, the utilities were ordered to submit compliance advice letters no later than 30 days from the date Resolution E-3992 became effective, which is August 21, 2006.

In accordance with Resolution E-3992, this advice letter proposes modifications to existing tariff schedule NEM, Net Energy Metering, schedule BG-NEM, Biogas Net Energy Metering, schedule FC-NEM, Fuel Cell Net Energy Metering, schedule S, Standby, tariff Rule 21, Generating Facility Interconnections, and Generating Facility Interconnection Agreement (Form 14-773). The proposed modifications incorporated into the above mentioned tariff schedules, tariff rule, and Agreement, are consistent with Ordering Paragraphs 2, 3, 4, 5, 6, 7, 8, and 9 of Resolution E-3992. A new combined technology generating facility special condition has been added to the existing NEM tariff schedules (e.g., NEM, BG-NEM, FC-NEM). Tariff schedule S has been modified to include language that will exempt customer load served from a NEM eligible generator(s), where such generator(s) are located at the same premises as a non-NEM eligible generator(s). Tariff rule 21 has been modified to include language specifying when net generation output metering is needed at a single premises utilizing a combined technology generating facility consisting of one or more NEM eligible generators and one or more non-NEM eligible generators, or where a single premises utilizes a combined

technology generating facility consisting of multiple NEM eligible generators served under more than one NEM tariff schedule (e.g., NEM, BG-NEM, FC-NEM). SCE's Generating Facility Interconnection Agreement (Form 14-773) will accommodate the interconnection of a combined technology generating facility consisting of any combination of multiple NEM eligible generators and non-NEM eligible generators.

No cost information is required for this advice filing.

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

EFFECTIVE DATE

Pursuant to Ordering Paragraph 10 of Resolution E-3992, which orders submittal of compliance filings no later than 30 days of the effective date of Resolution E-3992 which is August 21, 2006, SCE request that this advice filing become effective upon filing.

NOTICE

Anyone wishing to protest this advice filing may do so by letter via U.S. Mail, facsimile, or electronically, any of which must be received by the Energy Division and SCE no later than 20 days after the date of this advice filing. Protests should be mailed to:

CPUC, Energy Division
Attention: Tariff Unit
505 Van Ness Avenue
San Francisco, California 94102
E-mail: jjr@cpuc.ca.gov and jnj@cpuc.ca.gov

Copies should also be mailed to the attention of the Director, Energy Division, Room 4004 (same address above).

In addition, protests and all other correspondence regarding this advice letter should also be sent by letter and transmitted via facsimile or electronically to the attention of:

Akbar Jazayeri
Vice President, Revenue and Tariffs
Southern California Edison Company
2244 Walnut Grove Avenue, Quad 3D
Rosemead, California 91770
Facsimile: (626) 302-4829
E-mail: AdviceTariffManager@sce.com

Bruce Foster
Senior Vice President of Regulatory Operations
c/o Karyn Gansecki
Southern California Edison Company
601 Van Ness Avenue, Suite 2040
San Francisco, California 94102
Facsimile: (415) 673-1116
E-mail: Karyn.Gansecki@sce.com

There are no restrictions on who may file a protest, but the protest shall set forth specifically the grounds upon which it is based and shall be submitted expeditiously.

In accordance with Section III, Paragraph G, of General Order No. 96-A, SCE is serving copies of this advice filing to the interested parties shown on the attached R.04-03-017 and SCE's GO 96-A service list. Address change requests to the attached GO 96-A Service List should be directed to (626) 302-4039 or by electronic mail at AdviceTariffManager@sce.com. For changes to the any other Service List, please contact the Commission's Process office at (415) 703-2021 or by electronic mail at Process_Office@cpuc.ca.gov.

Further, in accordance with Public Utilities Code Section 491, notice to the public is hereby given by filing and keeping the advice filing open for public inspection at SCE's corporate headquarters. To view other SCE advice letters filed with the Commission, log on to SCE's web site at <http://www.sce.com/AboutSCE/Regulatory/adviceletters>.

For questions, please contact George Coutts at (626) 302-6568 or George.Coutts@SCE.com.

Southern California Edison Company

Akbar Jazayeri

AJ:jc:mm
Enclosures

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.: Southern California Edison Company (U 338-E)	
Utility type: <input checked="" type="checkbox"/> ELC <input type="checkbox"/> GAS <input type="checkbox"/> PLC <input type="checkbox"/> HEAT <input type="checkbox"/> WATER	Contact Person: James Yee Phone #: (626) 302-2509 E-mail: James.Yee@sce.com
EXPLANATION OF UTILITY TYPE ELC = Electric GAS = Gas PLC = Pipeline HEAT = Heat WATER = Water	(Date Filed/ Received Stamp by CPUC)
Advice Letter (AL) #: <u>1969-E-A</u>	
Subject of AL: <u>Supplement to Advice 1969-E, Establishment of Schedule CT-NEM, Combined Technologies – Net Energy Metering, and the Generating Facility Interconnection Agreement For Combined Technologies, pursuant to Decision No. 05-08-013</u>	
Keywords (choose from CPUC listing): <u>Compliance, Metering, Rules</u>	
AL filing type: <input type="checkbox"/> Monthly <input type="checkbox"/> Quarterly <input type="checkbox"/> Annual <input checked="" type="checkbox"/> One-Time <input type="checkbox"/> Other _____	
If AL filed in compliance with a Commission order, indicate relevant Decision/Resolution #: <p style="text-align: center;"><u>D. 05-08-013 and Resolution E-3992</u></p>	
Does AL replace a withdrawn or rejected AL? If so, identify the prior AL: _____	
Summarize differences between the AL and the prior withdrawn or rejected AL ¹ : _____	
Resolution Required? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Requested effective date: <u>8/21/06</u> No. of tariff sheets: <u>73</u>	
Estimated system annual revenue effect: (%): _____	
Estimated system average rate effect (%): _____	
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: <u>Schedules BG-NEM, FC-NEM, NEM, S, Rules 21, Form 14-773 and Table of Contents</u>	
Service affected and changes proposed ¹ : _____	
Pending advice letters that revise the same tariff sheets: _____	

¹ Discuss in AL if more space is needed.

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
jjr@cpuc.ca.gov and jnj@cpuc.ca.gov

Akbar Jazayeri
Vice President, Revenue and Tariffs
Southern California Edison Company
2244 Walnut Grove Avenue
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Bruce Foster
Senior Vice President of Regulatory Operations
c/o Karyn Gansecki
Southern California Edison Company
601 Van Ness Avenue, Suite 2040
San Francisco, California 94102
Facsimile: (415) 673-1116
E-mail: Karyn.Gansecki@sce.com

Cal. P.U.C. Sheet No.	Title of Sheet	Cancelling Cal. P.U.C. Sheet No.
Revised 41267-E	Schedule BG-NEM	Revised 39618-E
Revised 41268-E	Schedule BG-NEM	Revised 39619-E
Revised 41269-E	Schedule BG-NEM	Revised 39620-E
Revised 41270-E	Schedule BG-NEM	Revised 39621-E
Original 41271-E	Schedule BG-NEM	
Revised 41272-E	Schedule BG-NEM	Revised 39622-E
Revised 41273-E	Schedule FC-NEM	Revised 39623-E
Revised 41274-E	Schedule FC-NEM	Revised 39624-E
Revised 41275-E	Schedule FC-NEM	Revised 39625-E
Original 41276-E	Schedule FC-NEM	
Original 41277-E	Schedule FC-NEM	
Original 41278-E	Schedule FC-NEM	
Revised 41279-E	Schedule NEM	Revised 38141-E
Revised 41280-E	Schedule NEM	Revised 38142-E
Revised 41281-E	Schedule NEM	Revised 38633-E
Revised 41282-E	Schedule NEM	Revised 38634-E
Original 41283-E	Schedule NEM	
Original 41284-E	Schedule NEM	
Revised 41285-E	Schedule NEM	Revised 38735-E
Revised 41286-E	Schedule S	Revised 39584-E
Revised 41287-E	Rules 21	Revised 40112-E
Original 41288-E	Rules 21	
Revised 41289-E	Rules 21	Revised 36870-E*
Revised 41290-E	Rules 21	Revised 39416-E
Revised 41291-E	Rules 21	Revised 36872-E
Revised 41292-E	Rules 21	Revised 36873-E*
Revised 41293-E	Rules 21	Revised 38752-E
Revised 41294-E	Rules 21	Revised 38753-E
Revised 41295-E	Rules 21	Revised 36876-E*
Revised 41296-E	Rules 21	Revised 36877-E
Revised 41297-E	Rules 21	Revised 40113-E
Revised 41298-E	Rules 21	Original 40114-E
Revised 41299-E	Rules 21	Revised 40115-E
Revised 41300-E	Rules 21	Revised 40116-E
Revised 41301-E	Rules 21	Original 40117-E*
Revised 41302-E	Rules 21	Revised 40118-E
Revised 41303-E	Rules 21	Revised 40119-E
Revised 41304-E	Rules 21	Revised 40120-E
Revised 41305-E	Rules 21	Original 40121-E
Revised 41306-E	Rules 21	Revised 40122-E
Revised 41307-E	Rules 21	Revised 40123-E
Revised 41308-E	Rules 21	Revised 40124-E
Revised 41309-E	Rules 21	Revised 40125-E
Revised 41310-E	Rules 21	Revised 40126-E
Revised 41311-E	Rules 21	Revised 40127-E
Revised 41312-E	Rules 21	Revised 40128-E
Revised 41313-E	Rules 21	Revised 40129-E
Revised 41314-E	Rules 21	Revised 40130-E
Revised 41315-E	Rules 21	Revised 40131-E
Revised 41316-E	Rules 21	Revised 40132-E

Cal. P.U.C. Sheet No.	Title of Sheet	Cancelling Cal. P.U.C. Sheet No.
Revised 41317-E	Rules 21	Revised 40133-E
Revised 41318-E	Rules 21	Revised 40134-E
Revised 41319-E	Rules 21	Revised 40135-E
Revised 41320-E	Rules 21	Revised 40136-E
Revised 41321-E	Rules 21	Revised 40137-E
Revised 41322-E	Rules 21	Revised 40138-E
Revised 41323-E	Rules 21	Revised 40139-E
Revised 41324-E	Rules 21	Revised 40140-E
Revised 41325-E	Rules 21	Revised 40141-E
Revised 41326-E	Rules 21	Revised 40142-E
Revised 41327-E	Rules 21	Revised 40143-E
Revised 41328-E	Rules 21	Revised 40144-E
Revised 41329-E	Rules 21	Revised 40145-E
Revised 41330-E	Rules 21	Revised 40146-E
Revised 41331-E	Rules 21	Revised 40147-E
Revised 41332-E	Rules 21	Revised 40148-E
Revised 41333-E	Rules 21	Revised 40149-E
Original 41334-E	Form 14-773	Original 40098-E
Revised 41335-E	Table of Contents	Revised 41210-E
Revised 41336-E	Table of Contents	Revised 41216-E
Revised 41337-E	Table of Contents	Revised 40151-E
Revised 41338-E	Table of Contents	Revised 40682-E

This Generating Facility Interconnection Agreement (“Agreement”) is entered into by and between (Enter customer name) a _____ corporation *(Please verify corporate name and indicate state of incorporation)* (“Producer”), and Southern California Edison Company (“SCE”), a California corporation. Producer and SCE 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 Appendices, the Parties agree as follows:

1. SCOPE AND PURPOSE

- 1.1 This Agreement provides for Producer to interconnect and operate a Generating Facility in parallel with SCE’s Distribution System to serve the electrical loads at the location identified in Section 2.2. The Generating Facility may consist of any combination of (a) generator(s) for which Producer qualifies as an “eligible customer-generator” for net energy metering service pursuant to California Public Utilities Code Section 2827 (“Eligible Generator(s)”), and (b) other generator(s) (“Non-Eligible Generator(s)”). Pursuant to Section 2827 of the Public Utilities Code, an Eligible Generator can employ any of the following technologies: solar, wind turbine, biogas digester or fuel cell.
- 1.2 This Agreement provides for Producer to operate the Eligible Generator(s) pursuant to the provisions of Section 2827 of the California Public Utilities Code and the applicable SCE tariffs for net energy metering. This Agreement also provides for Producer to operate its Non-Eligible Generator(s) in either the non-export or inadvertent-export modes, pursuant to the election identified in Section 1.3. This Agreement does not constitute an agreement by SCE to provide retail electrical service to Producer. Such arrangements must be made separately between SCE and Producer.

2. SUMMARY AND DESCRIPTION OF PRODUCER’S GENERATING FACILITY

- 2.1 A description of the Generating Facility and a diagram showing the arrangement of how Producer’s Generating Facility and loads are interconnected with SCE’s Distribution System are attached hereto as Appendix A and incorporated herein by reference.
- 2.2 Name and address used by SCE to locate the electric service account(s) used to interconnect the Generating Facility with SCE’s Distribution System.

Name:

Address:

City: _____ CA 9_____

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GENERATING FACILITY INTERCONNECTION AGREEMENT
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- 2.3 Please provide rating for applicable Generator(s).
The Gross Nameplate Rating of Eligible Generator(s)—solar is _____ kW.
The Gross Nameplate Rating of Eligible Generator(s)—wind turbine is _____ kW.
The Gross Nameplate Rating of Eligible Generator(s)—biogas digester is _____ kW.
The Gross Nameplate Rating of Eligible Generator(s)—fuel cell is _____ kW.
The Gross Nameplate Rating of Non-Eligible Generator(s) is _____ kW.
The **Total GROSS** Nameplate Rating of the Generating Facility is _____ kW (i.e. total of all Generators).
- 2.4 Please provide rating for applicable Generator(s).
The Net Nameplate Rating of Eligible Generator(s)—solar is _____ kW.
The Net Nameplate Rating of Eligible Generator(s)—wind turbine is _____ kW.
The Net Nameplate Rating of Eligible Generator(s)—biogas digester is _____ kW.
The Net Nameplate Rating of Eligible Generator(s)—fuel cell is _____ kW.
The Net Nameplate Rating of Non-Eligible Generator(s) is _____ kW.
The **Total NET** Nameplate Rating of the Generating Facility is _____ kW (i.e. total of all Generators).
- 2.5 Please provide rating for applicable Generator(s).
The annual energy production of Eligible Generator(s)—solar is expected to be _____ kWh. *(Please complete estimate.)*
The annual energy production of Eligible Generator(s)—wind turbine is expected to be _____ kWh. *(Please complete estimate.)*
The annual energy production of Eligible Generator(s)—biogas digester is expected to be _____ kWh. *(Please complete estimate.)*
The annual energy production of Eligible Generator(s)—fuel cell is expected to be _____ kWh. *(Please complete estimate.)*
The annual energy production of Non-Eligible Generator(s) is expected to be _____ kWh. *(Please complete estimate.)*
The **Total Annual Energy** production of the Generating Facility is _____ kWh (i.e. total of all Generators).
- 2.6 Please provide value for applicable Generator(s).
The maximum level of power that is expected to be exported by the Eligible Generator(s) is — solar _____ kW. *(Please complete estimate.)*
The maximum level of power that is expected to be exported by the Eligible Generator(s) is — wind turbine _____ kW. *(Please complete estimate.)*
The maximum level of power that is expected to be exported by the Eligible Generator(s) is — biogas digester _____ kW. *(Please complete estimate.)*
The maximum level of power that is expected to be exported by the Eligible Generator(s) is — fuel cell _____ kW. *(Please complete estimate.)*

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The maximum level of power that is expected to be exported by the Non-Eligible Generator(s) is ____ kW. *(Please complete estimate.)*

The **Total Maximum** level of power that is expected to be exported by the **simultaneous** operation of all Generators is ____ kW. *(Please complete estimate.)*

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

2.8 For the purpose of securing certain tariff charge exemptions available under the California Public Utilities Code, Producer hereby represents that each of the following of its Generator(s) meet the requirements for "Distributed Energy Resource Generation" as such term is used in Section 353.1 of the Public Utilities Code. *(Please elect option)*

Solar - ___ YES / ___ NO

Wind Turbine - ___ YES / ___ NO

Biogas Digester - ___ YES / ___ NO

Fuel Cell - ___ YES / ___ NO

Non-Eligible - ___ YES / ___ NO

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 (Supplied by Producer).

Appendix B - (When Applicable) A copy of an agreement addressing Interconnection Facility financing and ownership (Supplied by SCE).

Appendix C - (When Applicable) Producer's warranty that the Generating Facility meets the requirements for "Distributed Energy Resources Generation" as defined in Section 353.1 of the California Public Utilities Code.

Appendix D - (When Applicable) Listing of eligible service accounts, as defined in SCE's Schedule BG-NEM Special Condition 2, to be included in Net Energy Metering calculations.

Appendix E - (When Applicable) Producer's warranty that it meets the requirements for an "Eligible Biogas Digester customer- generator" and that the Generating Facility meets the requirements for an "Eligible Biogas Digester Electrical Generating Facility," both as defined in Section 2827.9 of the California Public Utilities Code.

GENERATING FACILITY INTERCONNECTION AGREEMENT
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4. TERM AND TERMINATION

- 4.1 This Agreement shall become effective as of the last date entered in Section 16 of this Agreement. This 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 SCE's Distribution System is closed or terminated; or
 - (c) At 12:01 A.M. on the 61st day after Producer or SCE provides written Notice pursuant to Section 9 of this Agreement to the other Party of Producer's or SCE's intent to terminate this Agreement.
- 4.2 Producer may elect to terminate this Agreement for any reason pursuant to the terms of Section 4.1(c). SCE 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 SCE's ability or obligation to perform SCE's duties under this Agreement; or
 - (b) Unless otherwise agreed in writing by the Parties, Producer fails to take all corrective actions specified in SCE's Notice, within the time frame set forth in such Notice, that Producer's Generating Facility is out of compliance with the terms of this Agreement; or
 - (c) Producer fails to interconnect and operate the Generating Facility per the terms of this Agreement within 120 days of the date of Parallel Operation as set forth in Section 2.7 of this Agreement; or
 - (d) Producer abandons the Generating Facility. SCE shall deem the Generating Facility to be abandoned if (i) SCE determines, in its sole opinion, that the Generating Facility is non-operational, (ii) SCE provides Producer with Notice of its intent to terminate this Agreement as a result of Producer's apparent abandonment of the Generating Facility, and (iii) Producer does not respond by affirming Producer's intent and ability to continue to operate the Generating Facility.
- 4.3 Notwithstanding any other provisions of this Agreement, SCE 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 SCE's tariffs, including but not limited to SCE's Rule 21, and any other regulations and laws governing the interconnection of the Generating Facility.
- 5.2 Except for that power delivered to SCE through net energy metering, the electric power produced by Producer's Generating Facility shall be used solely to serve electrical loads connected to the electric service account that SCE 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 Public Utilities Code.
- 5.3 Should SCE determine that Producer's operation of the Generating Facility is causing an unsafe condition or is adversely affecting SCE's ability to utilize its Distribution System in any manner, even if Producer's deliveries of electric power to SCE's Distribution System are within the limitations specified in Appendix F, SCE may require Producer to temporarily or permanently reduce or cease deliveries of electric power to SCE'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 SCE's Distribution System. Producer's failure to comply with the terms of this Section 5.4 shall constitute a material breach of this Agreement and SCE may initiate termination in accordance with the terms of Section 4.2(b).
- 5.4 Producer shall not deliver reactive power to SCE's Distribution System unless the Parties have agreed otherwise in writing.
- 5.5 The Generating Facility shall be operated with all of the Producer's Protective Functions in service whenever the Generating Facility is operated in parallel with SCE's Distribution System. Any deviation from these requirements may occur only when the Parties have agreed to such deviations in writing.

GENERATING FACILITY INTERCONNECTION AGREEMENT
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6. INTERCONNECTION FACILITIES

- 6.1 Producer and/or SCE, as appropriate, shall provide Interconnection Facilities that adequately protect SCE'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 SCE's Rule 21, or any other tariff approved by the Commission, require SCE to own and operate a portion of the Interconnection Facilities, Producer and SCE 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 B.
- 6.4 The Interconnection Facilities may include Net Generation Metering for determination of standby charges and applicable non-bypassable charges, and/or other meters required for SCE's administration and billing pursuant to SCE'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 Non-NEM Eligible Generator(s) 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 Non-NEM Eligible Generator(s) 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 Non-NEM Eligible Generator(s) is greater than ten (10) kW and less than or equal to twenty (20) kW.
 - (d) Two hundred thousand dollars (\$200,000) for each occurrence if the Gross Nameplate Rating of Producer's Non-NEM Eligible Generator(s) is ten (10) kW or less and Producer's Non-NEM Eligible Generator(s) is connected to an account receiving residential service from SCE.

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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 SCE as an additional insured; (b) contain a severability of interest clause or cross-liability clause; (c) provide that SCE 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 SCE 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 SCE 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 SCE in accordance with Section 9.1, the requirements of Section 8.2 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 SCE.
- 8.5 Producer agrees to furnish any required certificates and endorsements to SCE prior to Parallel Operation. SCE 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 SCE, at least thirty (30) calendar days prior to the date of Parallel 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:

Southern California Edison Company
Attention: Director, Renewable and Alternative Power
2244 Walnut Grove Ave.
P.O. Box 800
Rosemead, CA 91770

GENERATING FACILITY INTERCONNECTION AGREEMENT
Continuous – Export Agreement

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 SCE: Southern California Edison Company
Attention: Director, Renewable and Alternative Power
2244 Walnut Grove Avenue
P.O. Box 800
Rosemead, CA 91770
Phone: (626) 302-1212
FAX: (626) 302-9622

If to Producer: Name: _____

Attention: _____

Address: _____

City: _____

Phone: () _____

FAX: () _____

Please complete

- 9.2 A Party may change its address for Notice 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 SCE 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 SCE's Distribution System.
- 10.2 Producer authorizes SCE 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 or delegate its duties under this Agreement without SCE's written consent. Any assignment or delegation Producer makes without SCE's written consent shall not be valid. SCE 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 SCE'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 SCE. Copies of such tariffs are available at SCE's Internet site: www.sce.com or by request to SCE and are incorporated into this Agreement by this reference.

13.4 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 SCE'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.

13.5 Notwithstanding any other provisions of this Agreement, SCE 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.

14. AMENDMENT AND MODIFICATION

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

GENERATING FACILITY INTERCONNECTION AGREEMENT
Continuous – Export Agreement

15. ENTIRE AGREEMENT

This Agreement, including any incorporated tariffs, 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 documents incorporated herein by reference.

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.

[Please note the individual signing this Agreement must be duly authorized to bind the Producer to its terms. Accordingly, unless the individual is an "owner of a proprietorship", "officer of a corporation," "director or general manager of an agency," or an equivalent official, please also provide documentation showing the signature authority of the individual who does sign on behalf of the "Producer"].

CUSTOMER NAME

**SOUTHERN CALIFORNIA
EDISON COMPANY**

By:

By:

Name:

Name:

Stuart Hemphill

Title:

Title:

Director of Renewable and
Alternative Power

Date:

Date:

APPENDIX A
DESCRIPTION OF GENERATING FACILITY
AND SINGLE-LINE DIAGRAM

(Provided by Producer)

APPENDIX B
(If Applicable)

**INTERCONNECTION FACILITIES
FINANCING AND OWNERSHIP
AGREEMENT**

(Provided by SCE)

APPENDIX C
(If 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 California Public Utilities 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 California Public Utilities Code (“DERG Requirements”).

Producer warrants that, beginning on the date of Parallel 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 SCE with Notice of such change pursuant to Section 9.1 of the Agreement. If at any time during the term of this Agreement SCE determines in its sole discretion that Producer’s Generating Facility may no longer meet the DERG Requirements, SCE may require Producer to provide evidence that the Generating Facility continues to meet the DERG Requirements, within 15 business days of SCE’s request for such evidence. Additionally, SCE 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 SCE 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 SCE’s reasonable satisfaction that the Generating Facility meets the requirements for a Distributed Energy Resources Generation facility (the “DERG Status Change”).

SCE 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 SCE determines in its sole discretion that the Generating Facility first ceased to meet the DERG Requirements. SCE shall invoice the Producer’s Electric Service Account through which the Generating Facility is Interconnected with SCE’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 California Public Utilities Code.

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

APPENDIX D

(If Applicable)

**LIST OF ELIGIBLE ACCOUNTS
TO BE INCLUDED IN NET ENERGY METERING CALCULATIONS
PURSUANT TO SCHEDULE BG-NEM 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 SCE to use in applying surplus energy credits.)

Account Priority ¹	Account Name ²	Service Address ²	SCE Service Account Number ²	SCE Meter Number ²	SCE TOU Tariff Schedule ²
1					
2					
3					
4					
5					
6					

Notes:

1. Account Priority: See Special Condition 2, "Load Aggregation," of Schedule BG-NEM. Accounts are listed in priority designated by Producer to receive excess generation credits. The "Host Account," described on page 1 of this agreement, should not be included in this listing.
2. Account information as shown on SCE billing statement

APPENDIX E
(If Applicable)

**PRODUCER’S WARRANTY THAT IT MEETS THE REQUIREMENTS FOR AN ELIGIBLE
BIOGAS DIGESTER CUSTOMER-GENERATOR AND THE GENERATING FACILITY IS
AN ELIGIBLE BIOGAS DIGESTER ELECTRICAL GENERATING FACILITY
PURSUANT TO SECTION 2827.9 OF THE CALIFORNIA PUBLIC UTILITIES CODE**

Producer has declared that it meets the requirements for an “Eligible Biogas Digester customer-generator” and the Generating Facility meets the requirements of an “Eligible Biogas Digester Electrical Generating Facility”, both as defined in section 2827.9 of the California Public Utilities Code. (“Eligibility Requirements”).

Producer warrants that, beginning on the date of Parallel Operation and continuing throughout the term of this Agreement, Producer and the Generating Facility shall continue to meet the Eligibility Requirements. If Producer or the Generating Facility ceases to meet the Eligibility Requirements, Producer shall promptly provide SCE with Notice of such change pursuant to Section 9.1 of this Agreement. If at any time during the term of this Agreement SCE determines, in its sole discretion, that Producer or Generating Facility may no longer meet the Eligibility Requirements, SCE may require Producer to provide evidence that Producer and/or Generating Facility continues to meet the Eligibility Requirements, within 15 business days of SCE’s request for such evidence. Additionally, SCE 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 SCE 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 Eligibility Status shall be deemed ineffective until such time as Producer again demonstrates to SCE’s reasonable satisfaction that Producer meets the requirements for an Eligible Biogas Digester customer–generator and/or the Generating Facility meets the requirements for a Eligible Biogas Digester Electrical Generating Facility (the “Eligibility Status Change”).

SCE 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 SCE determines in its sole discretion that the Producer and/or Generating Facility first ceased to meet the Eligibility Requirements. SCE 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 Producer and/or Generating Facility complied with the Eligibility Requirements and therefore was eligible for the rate treatment available under the applicable Net Energy Metering provisions of SCE’s Schedule BG-NEM, Experimental Biogas Net Energy Metering.

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

Schedule BG-NEM
Biogas Net Energy Metering

Sheet 1

APPLICABILITY

Applicable to Bundled Service Customers served under a Time-of-Use (TOU) rate schedule who: (1) interconnect and operate in parallel with SCE's electrical system an Eligible Biogas Digester Electrical Generating Facility, as defined herein below pursuant to Public Utilities (PU) Code Section 2827.9, with a generating capacity no greater than 1MW, located on or adjacent to the customer's Premise, intended to offset part or all of the customer's electrical requirements, and (2) is the recipient of local, state, or federal funds, or who self-finance projects designed to encourage the development of Eligible Biogas Digester Electrical Generating Facilities, and (3) have commenced operation of their Eligible Biogas Digester Electrical Generating Facility on or before December 31, 2009. (T)

This Schedule is also applicable to Bundled Service Customers utilizing a Combined Technology Generating Facility, as defined in Special Condition 7.f of this Schedule. All customers with a Combined Technology Generating Facility served under this Schedule shall be subject to the provisions of Special Condition 6 if this Schedule.

Except for customers utilizing a Combined Technology Generating Facility, customers eligible for service under this Schedule are exempt from: (1) any new or additional charges not included in their Otherwise Applicable Tariff (OAT), and (2) Standby Charges.

Customers utilizing a Combined Technology Generating Facility may be subject to Standby Charges, pursuant to the provisions of Schedule S, as well as other applicable charges not included in their OAT (e.g., Schedule CGDL-CRS and Schedule DL-NBC).

Pursuant to PU Code Section 2827.9, this Schedule is available on a first-come, first-served basis but will be closed once the combined cumulative rated generating capacity served under the provisions of Net Energy Metering for all Eligible Biogas Digester Electrical Generating Facilities of the state's three large investor owned utilities (e.g., SCE, PG&E, and SDG&E) reaches 50 MWs. Notwithstanding all other requirements for participation under this Schedule, up to three large Eligible Biogas Digester Electrical Generating Facilities, each with a capacity of more than one (1) MW and not more than 10 MW, will be eligible for service under this Schedule on a first come first-served basis, until there are three large Eligible Biogas Digester Electrical Generating Facilities receiving service under the provisions of Biogas Net Energy Metering from the state's three large investor owned utilities combined, or until the 50 MW cap has been reached.

In addition to meeting all other requirements for participation on this Schedule, and prior to participation on this Schedule, an Eligible Biogas Digester Electrical Generation Facility required to operate using the best available control technology (BACT) must provide SCE with documentation that the BACT has been installed and is operational in accordance with the regional Air-Pollution Control District.

TERRITORY

Within the entire territory served.

RATES

In addition to the applicable rates of a customer's OAT, the following rates are applicable.

(L)

(Continued)

(To be inserted by utility)

Advice 1969-E-A
Decision 05-08-013

Issued by

Akbar Jazayeri
Vice President

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Date Filed _____
Effective _____
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Schedule BG-NEM
Biogas Net Energy Metering

Sheet 2

(Continued)

RATES (Continued)

NET CONSUMERS OF ENERGY

When a customer is a net consumer, E_S is greater than E_F where E_S is energy supplied by SCE and E_F is energy generated by an NEM Eligible Generator served under this Schedule and fed back into SCE's system, measured over an entire Relevant Period, as defined in Special Condition 6.e, the total net consumed kWh will be a generation charge, calculated by multiplying the total net consumed kWh by the generation rate components of the customer's OAT, in each TOU period when such customer was a net consumer of energy (E_S exceeds E_F). At the end of the Relevant Period Special Condition 5.b shall be invoked. Additionally, all other charges shall be calculated in accordance with the customer's OAT, for E_S (energy supplied by SCE) and shall be due and payable monthly, in accordance with SCE's normal monthly billing cycle. (L) (T)

When a customer is a net producer, E_F is greater than E_S where E_S is energy supplied by SCE and E_F is energy generated by an NEM Eligible Generator served under this Schedule and fed back into SCE's system, measured over an entire Relevant Period, as defined in Special Condition 6.e, the total net produced kWh will be a generation credit, calculated by multiplying the total net produced kWh by the generation rate components of the customer's OAT, in each TOU period when such customer was a net producer of energy (E_F exceeds E_S), excluding any portion of the generation rate component of the customer's OAT that represents generation surcharges in effect after January 3, 2001. At the end of the Relevant Period Special Condition 5.b shall be invoked. Additionally, all other charges shall be calculated in accordance with the customer's OAT, for E_S (energy supplied by SCE) and shall be due and payable monthly, in accordance with SCE's normal monthly billing cycle. (T) (T)

SPECIAL CONDITIONS

1. Required Contract: A Biogas Digester Net Energy Metering and Interconnection Agreement (Form 14-750) is required for service under this Schedule.
2. Load Aggregation: Customers served under this Schedule that have dairy operations with more than one TOU metered service account, located on the property adjacent or continuous to the customer's Eligible Biogas Digester Electrical Generating Facility with load serving, but not limited to, the milking operations, milk refrigeration, and water pumping of the customer's dairy operations shall have such TOU metered service accounts' generation energy charges, along with each TOU metered service accounts' corresponding consumed kWh, as measured in each TOU period, accumulate until the end of the Relevant Period, as defined in Special Condition 7.e. At the end of the Relevant Period, if the customer's service account serving the interconnected Biogas Digester Generating Facility with SCE's electrical system, has any remaining generation credits after Special Condition 5.b.2 has been invoked, such remaining generation credits will be converted back into net produced kWh by dividing the remaining generation credit, in each TOU period a generation credit exist, by the corresponding generation rate component excluding any generation surcharges. These remaining net produced kWh, as calculated above, will be applied to the customer's dairy operations TOU metered service accounts that qualify for this Special Condition, in a sequential order specified in the Required Contract (Form 14-750), and these remaining net produced kWh will be converted back into generation credits calculated in accordance with the Rates Section of this Schedule until all net produced kWh have been used. If there are unused net produced kWh at the end of the Relevant Period after invoking this Special Condition to all of the customer's dairy operations TOU metered service accounts, Special Condition 5.b.3 shall apply. All other charges shall be calculated monthly on all customer service accounts eligible for this Special Condition and shall be due and payable monthly, in accordance with SCE's normal monthly billing cycle. (T) (T)

(Continued)

(To be inserted by utility)

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Decision 05-08-013

Issued by

Akbar Jazayeri
Vice President

(To be inserted by Cal. PUC)

Date Filed _____
Effective _____
Resolution _____

Schedule BG-NEM
Biogas Net Energy Metering

Sheet 3

(Continued)

SPECIAL CONDITIONS (Continued)

3. Metering Requirements for all Customers Except Those Utilizing a Combined Technology Generating Facility: (T)
(T)
 - a. Biogas Digester Net Energy shall be measured (metered) using a TOU meter capable of separately registering the flow of electricity in two directions. If the customer's existing meter is not capable of satisfying the requirements to participate on this Schedule, such meter shall be installed by SCE at the customer's expense prior to interconnection to SCE's electric system.
 - b. If SCE determines that dual metering is required for the purposes set forth herein, such customer shall consent to, and pay all costs associated with the installation of dual metering, prior to interconnecting to SCE's electrical system.
 - c. Dairy operations with service accounts that qualify for Special Condition 2 are required to meet the provisions of Special Condition 3.a and 3.b for the account serving the Eligible Biogas Digester Electrical Generating Facility only, all other service accounts are only required to be TOU.

4. Grandfathered Biogas Digester Electrical Generating Facilities:

A customer with an Eligible Biogas Digester Electrical Generating Facility that has commenced operation on or before December 31, 2009, and is currently receiving service under this Schedule, shall remain eligible to receive service under this Schedule for the duration of the operating life of the Eligible Biogas Digester-Electrical Generating Facility. (T)

5. Billing:
 - a. SCE shall provide the customer with both energy supplied by SCE, and energy generated by the NEM Eligible Generator(s) served under this Schedule that was fed back into SCE's system in each TOU period, over the applicable Relevant Period, on each monthly bill. Such monthly bills shall include accumulated net kWh produced, along with the corresponding generation credit, and/or accumulated net kWh consumed, along with the corresponding generation charge for each TOU period, over the applicable Relevant Period. All charges except the generation charge shall be due and payable monthly, in accordance to SCE's normal monthly billing cycle for all accounts served on this Schedule. This Special Condition applies to all eligible Load Aggregation dairy operations TOU service accounts, as defined in Special Condition 2. (T)

(Continued)

(To be inserted by utility)

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Akbar Jazayeri
Vice President

(To be inserted by Cal. PUC)

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Schedule BG-NEM
Biogas Net Energy Metering

Sheet 4

(Continued)

SPECIAL CONDITIONS (Continued)

5. Billing: (Continued)

b. At the end of each Relevant Period, as defined in Special Condition 7.e, following the Date of Final Interconnection of the customer's NEM Eligible Generator(s) to SCE's electric system, SCE shall proceed as follows: (T)

1. SCE will present the customer with their annual Relevant Period bill, which will include the current month's charges in addition to any outstanding accumulated Relevant Period generation charges and shall be due and payable in accordance to SCE's normal billing cycle.
2. Where a customer's net generation credits exceed their net generation charges, during any TOU period, as calculated in the Rates Section of this Schedule, such excess generation credits will be applied to any remaining generation charges in other TOU periods, at the end of a Relevant Period.
3. Any remaining generation credits, and/or unused generation kWh for qualified Load Aggregation TOU service accounts, after Special Condition 5.b.2 above has been applied, shall be zeroed out without compensation to the customer and a new Relevant Period shall commence.

c. If a customer terminates service under this Schedule prior to the end of the Relevant Period Special Condition 5.b shall be invoked.

6. Customers with a Combined Technology Generating Facility: Where a customer utilizes a Combined Technology Generating Facility (defined in Special Condition 7.g) the applicable provisions of this Special Condition shall apply. Additionally, where this Special Condition differs from any other Special Condition contained in this Schedule, the provisions contained in this Special Condition shall prevail.

a. A customer utilizing a Combined Technology Generating Facility consisting of one or more NEM Eligible Generators served under this Schedule and one or more NEM Eligible Generators served under Schedule NEM and/or Schedule FC-NEM shall adhere to the following:

1. Total nameplate capacity of all NEM Eligible Generators at a single point of common coupling and/or a single Premise shall not exceed 1 MW. Where the total nameplate capacity of all NEM Eligible Generators exceeds 1 MW, all otherwise NEM Eligible Generators become ineligible for service under this Schedule. However, up to 3 biogas digester electrical generators, each with a nameplate generating capacity greater than 1 MW but no greater than 10 MW, may be except from this provision if such generator meets the applicable provisions of PU Code 2827.9(b.2.B).
2. Where a customer chooses not to install Net Generation Output Metering (NGOM) on all NEM Eligible Generators, all energy fed back to SCE's grid shall be eligible for NEM generation energy credits using the applicable generation (URG and DWR) rate components of the customer's OAT. The NEM credits will not include any portion of the Delivery Service energy rate components of the customer's OAT.

(L)
(N)(T)

(N)

(Continued)

(To be inserted by utility)

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Vice President

(To be inserted by Cal. PUC)

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Schedule BG-NEM
Biogas Net Energy Metering

Sheet 5

(Continued)

SPECIAL CONDITIONS (Continued)

6. Customers with a Combined Technology Generating Facility: (Continued)

3. Where a customer chooses to install NGOM on all NEM Eligible Generators, such NGOM must conform to the requirements set forth in SCE's Rule 22, Section G. A customer may choose to have SCE install utility-owned NGOM at the customer's expense. A customer who has Rule 22 acceptable NGOM installed on all NEM Eligible Generators shall receive the applicable NEM energy credits that correspond to the measured energy exported to SCE's grid from each NEM Eligible Generator. As an example, if 40 percent of the measured energy exported to SCE's grid was produced by one or more NEM Eligible Generators eligible for NEM energy credits at the full retail rate (Delivery Services plus Generation), while 60 percent of the measured energy exported to SCE's grid was produced by one or more NEM Eligible Generators eligible for NEM generation energy credits at the generation rate components only (URG and DWR), then 40 percent of the measured energy exported to SCE's grid will receive NEM energy credits based on full retail (Delivery Service plus Generation) energy rate components, whereas 60 percent of the measured energy exported to SCE's grid will receive NEM generation energy credits based on the customer's generation rate components (URG and DWR) of their OAT. (N)

b. A customer with a Combined Technology Generating Facility consisting of one or more NEM Eligible Generators served under this Schedule, and one or more Non-NEM Eligible Generators, shall adhere to the following:

1. Where all Non-NEM Eligible Generators have a non-export relay, thus assuring no export to SCE's grid from any Non-NEM Eligible Generator, the customer is not required to install NGOM on their NEM Eligible Generators. However, where a customer's Combined Technology Generating Facility consists of Non-NEM Eligible Generators, all of which have non-export relays, and two or more NEM Eligible Generators, where the NEM Eligible Generators are served under different NEM schedules (NEM, BG-NEM, or FC-NEM), either NGOM in accordance with 6.a.3 above must be installed to determine what percentage of the measured excess energy exported to SCE's grid will receive NEM energy credits at the full retail rate (Delivery Service plus Generation) and what percentage of the measured excess energy exported to SCE's grid will receive NEM generation energy credits at the generation rate components only (URG and DWR), or else all excess energy exported to SCE's grid will be subject to the provisions of 6.a.3 above.

2. Where one or more of the customer's Non-NEM Eligible Generators does not have a non-export relay on it, thus export to SCE's grid from one or more Non-NEM Eligible Generators is possible, and where one or more of the NEM Eligible Generators does not have NGOM installed in accordance with 6.a.3 above, NEM energy credits will only be applicable on the NEM Eligible Generators that do have NGOM, not to exceed the lesser of the total excess energy exported to SCE's or the total measured energy produced by the NEM Generators that have NGOM. (N)

(Continued)

(To be inserted by utility)

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Decision 05-08-013

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Akbar Jazayeri
Vice President

(To be inserted by Cal. PUC)

Date Filed _____
Effective _____
Resolution _____

Schedule BG-NEM
Biogas Net Energy Metering

Sheet 6 (T)

(Continued)

SPECIAL CONDITIONS (Continued)

- 6. Customers with a Combined Technology Generating Facility: (Continued) (N)
 - 3. Where one or more Non-NEM Eligible Generators does not have a non-export relay, but all NEM Eligible Generators do have NGOM in accordance with 6.a.3 all NEM Eligible Generators are eligible for NEM energy credits, and the NEM energy credits will be calculated in accordance with 6.a.3 above. The maximum excess energy exported to SCE's grid from all NEM Eligible Generators shall be capped at the cumulative measured output of all NEM Eligible Generators over the customer's Relevant Period. Even though the cap for excess energy exported to SCE's grid eligible for NEM energy credit treatment is determined over the customer's Relevant Period, NEM energy credits must be calculated at the end of each month's billing period to properly apply energy rate factor changes that may occur from month to month. (N)
- 7. Definitions: The following definitions are applicable to service provided under this Schedule. (L)(T)
 - a. Eligible Biogas Digester Electrical Generating Facility: A generating facility used to produce electricity by a manure methane production project or as a byproduct of the anaerobic digestion of bio-solids and livestock waste that 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.
 - b. Date of Final Interconnection: The date SCE provides the customer with SCE's written approval to commence parallel operation of the Generating Facility for purposes of participating on this Schedule. (L)
 - c. Net Energy: The difference between the electricity supplied and/or delivered through SCE, and the electricity generated by the customer and fed back into SCE's electric system, measured over the Relevant Period. Thus, where E_S is energy supplied and/or delivered by SCE, and E_F is energy generated by the customer and fed back into SCE's system:
$$\text{Net Energy} = E_S \text{ minus } E_F$$
 - d. Otherwise Applicable Tariff (OAT): The customer's regularly filed rate schedule under which service is rendered.
 - e. Relevant Period: A twelve-month period, or portion thereof, commencing on the anniversary Date of Final Interconnection of the customer's generator to SCE's electric system.
 - f. Combined Technology Generating Facility: A generating facility that consists of any combination of multiple NEM Eligible Generators, where more than one NEM schedule (e.g., NEM, BG-NEM, or FC-NEM) is applicable, or where a generating facility consists of one or more NEM Eligible Generators and one or more Non-NEM Generators. (N)
 - g. NEM Eligible Generator: An electrical generator fueled by solar, wind, hybrid of solar and wind, biogas, or fuel cell, where the total nameplate generating capacity at a single Premise does not exceed 1 MW. Also, up to 3 biogas digester electrical generators, each with a nameplate generating capacity greater than 1 MW but no greater than 10 MW, may be defined as an NEM Eligible Generator if such generator meets the applicable provisions of PU Code 2827.9(b.2.B).
 - h. Non-NEM Eligible Generator: An electrical generator that does not meet the definition of Special Condition 7.g, above. (N)

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Schedule FC-NEM
FUEL CELL NET ENERGY METERING

Sheet 1

APPLICABILITY

Applicable to Bundled Service Customers served under a Time-of-Use (TOU) rate schedule who: (1) interconnect and operate in parallel with SCE's electrical system an Eligible Fuel Cell Electrical Generating Facility, as defined herein below pursuant to Public Utilities (PU) Code Section 2827.10, with a generating capacity no greater than 1 MW, located on or adjacent to the customer's Premises intended to offset part or all of the customer's electrical requirements, and (2) is the recipient of local, state, or federal funds, or who self-finance projects designed to encourage the development of fuel cell electrical generating facilities, and (3) uses technology that meets the definition of an "ultra-clean and low-emission distributed generation", as defined in subdivision (a) of PU Code Section 353.2 and (4) have commenced operation of their Eligible Fuel Cell Electrical Generating Facility on or before December 31, 2009. (T)

This Schedule is also applicable to Bundled Service Customers utilizing a Combined Technology Generating Facility, as defined in Special Condition 6.f of this Schedule. All customers with a Combined Technology Generating Facility served under this Schedule shall be subject to the provisions of Special Condition 5 if this Schedule. (N)

Except for customers utilizing a Combined Technology Generating Facility, customers eligible for service under this Schedule are exempt from: (1) any new or additional charges not included in their Otherwise Applicable Tariff (OAT), and (2) Standby Charges. (T)

Customers utilizing a Combined Technology Generating Facility may be subject to Standby Charges, pursuant to the provisions of Schedule S, as well as other applicable charges not included in their OAT (e.g., Schedule CGDL-CRS and Schedule DL-NBC). (N)

Pursuant to PU Code Section 2827.10, this Schedule is available on a first-come, first-serve basis and will be closed to new customers once 45,000 kW of rated generating capacity is served under this Schedule.

TERRITORY

Within the entire territory served.

RATES

In addition to the applicable rates of a customer's OAT the following rates are applicable. (T)

NET CONSUMERS OF ENERGY

When a customer is a net consumer, E_S is greater than E_F where E_S is energy supplied by SCE and E_F is energy generated by an NEM Eligible Generator(s) served under this Schedule and fed back into SCE's system, measured over an entire Relevant Period, as defined in Special Condition 6.e, the total net consumed kWh will be a generation charge, calculated by multiplying the total net consumed kWh by the generation rate components of the customer's OAT, in each TOU period when such customer was a net consumer of energy (E_S exceeds E_F). At the end of the Relevant Period Special Condition 3.b shall be invoked. Additionally, all other charges shall be calculated in accordance with the customer's OAT, for E_S (energy supplied by SCE) and shall be due and payable monthly, in accordance with SCE's normal monthly billing cycle. (T)

(Continued)

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Schedule FC-NEM
FUEL CELL NET ENERGY METERING

Sheet 2

(Continued)

RATES (Continued)

NET PRODUCERS OF ENERGY

When a customer is a net producer, E_F is greater than E_S , where E_S is energy supplied by SCE and E_F is energy generated by the NEM Eligible Generator(s) served under this Schedule and fed back into SCE's system, measured over an entire Relevant Period, as defined in Special Condition 6.e, the total net produced kWh will be a generation credit, calculated by multiplying the total net produced kWh by the generation rate components of the customer's OAT, in each TOU period when such customer was a net producer of energy (E_F exceeds E_S). At the end of each Relevant Period Special Condition 3.b shall be invoked. Additionally, all other charges shall be calculated in accordance with the customer's OAT, for E_S (energy supplied by SCE) and shall be due and payable monthly, in accordance with SCE's normal monthly billing cycle. (T)

SPECIAL CONDITIONS

1. Required Contract: A Fuel Cell Net Energy Metering and Interconnection Agreement (Form 14-755) is required for service under this Schedule. (T)
2. Metering Requirements for all Customers Except Those Utilizing a Combined Technology Generating Facility: (T)
 - a. Fuel Cell Net Energy shall be measured (metered) using a TOU meter capable of separately registering the flow of electricity in two directions. If the customer's existing meter is not capable of satisfying the requirements to participate on this Schedule, such meter shall be installed by SCE at the customer's expense prior to interconnection to SCE's electric system. (T)
 - b. If SCE determines that dual metering is required for the purposes set forth herein, such customer shall consent to, and pay all costs associated with the installation of dual metering, prior to interconnecting to SCE's electrical system. (T)
3. Billing: (T)
 - a. SCE shall provide the customer with both energy supplied by SCE, and energy generated by the NEM Eligible Generator(s) served under this Schedule that was fed back into SCE's system in each TOU period, over the applicable Relevant Period, with each monthly bill. Such monthly bill(s) shall include accumulated net kWh produced, along with the corresponding generation credit, and/or accumulated net kWh consumed, along with the corresponding generation charge for each TOU period, over the applicable Relevant Period. All charges except the generation charge shall be due and payable monthly, in accordance with SCE's normal monthly billing cycle for all accounts served on this Schedule. (T)
 - b. At the end of each Relevant Period, as defined in Special Condition 6.e, following the Date of Final Interconnection of the customer's NEM Eligible Generator(s) to SCE's electric system, SCE shall proceed as follows: (T)

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Schedule FC-NEM
FUEL CELL NET ENERGY METERING

Sheet 3

(Continued)

BILLING (Continued)

3. Billing: (Continued)

1. SCE will present the customer with their annual Relevant Period bill, which will include the current month's charges in addition to any outstanding accumulated Relevant Period generation charges and shall be due and payable in accordance to SCE's normal billing cycle.
2. Where a customer's net generation credits exceed their net generation charges, during any TOU period, as calculated in the Rates Section of this Schedule, such excess generation credits will be applied to any remaining generation charges in other TOU periods, at the end of a Relevant Period.
- c. If a customer terminates service under this Schedule prior to the end of the Relevant Period Special Condition 3.b shall be invoked.

4. Grandfathered Fuel Cell Electrical Generating Facilities:

An Eligible Fuel Cell customer-generator with an Eligible Fuel Cell Electrical Generating Facility that has commenced operation on or before December 31, 2009, and is currently receiving service under this Schedule, shall remain eligible to receive service under this Schedule for the duration of the operating life of the Eligible Fuel Cell Electrical Generating Facility.

(L)

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Schedule FC-NEM
FUEL CELL NET ENERGY METERING

Sheet 4

(Continued)

BILLING (Continued)

5. Customers with a Combined Technology Generating Facility: Where a customer utilizes a Combined Technology Generating Facility (defined in Special Condition 6.g), the applicable provisions of this Special Condition shall apply. Additionally, where this Special Condition differs from any other Special Condition contained in this Schedule, the provisions contained in this Special Condition shall prevail.
 - a. A customer utilizing a Combined Technology Generating Facility consisting of one or more NEM Eligible Generators served under this Schedule and one or more NEM Eligible Generators served under Schedule NEM and/or Schedule FC-NEM shall adhere to the following:
 1. Total nameplate capacity of all NEM Eligible Generators at a single point of common coupling and/or a single Premises shall not exceed 1 MW. Where the total nameplate capacity of all NEM Eligible Generators exceeds 1 MW, all otherwise NEM Eligible Generators become ineligible for service under this Schedule.
 2. Where a customer chooses not to install Net Generation Output Metering (NGOM) on all NEM Eligible Generators, all energy fed back to SCE's grid shall be eligible for NEM generation energy credits using the applicable generation (URG and DWR) rate components of the customer's OAT. The NEM credits will not include any portion of the Delivery Service energy rate components of the customer's OAT.
 3. Where a customer chooses to install NGOM on all NEM Eligible Generators, such NGOM must conform to the requirements set forth in SCE's Rule 22, Section G. A customer may choose to have SCE install utility-owned NGOM at the customer's expense. A customer who has Rule 22 acceptable NGOM installed on all NEM Eligible Generators shall receive the applicable NEM energy credits that correspond to the measured energy exported to SCE's grid from each NEM Eligible Generator. As an example, if 40 percent of the measured energy exported to SCE's grid was produced by one or more NEM Eligible Generators eligible for NEM energy credits at the full retail rate (Delivery Services plus Generation), while 60 percent of the measured energy exported to SCE's grid was produced by one or more NEM Eligible Generators eligible for NEM generation energy credits at the generation rate components only (URG and DWR), then 40 percent of the measured energy exported to SCE's grid will receive NEM energy credits based on full retail (Delivery Service plus Generation) energy rate components, whereas 60 percent of the measured energy exported to SCE's grid will receive NEM generation energy credits based on the customer's generation rate components (URG and DWR) of their OAT.

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Schedule FC-NEM
FUEL CELL NET ENERGY METERING

Sheet 5

(Continued)

BILLING (Continued)

5. Customers with a Combined Technology Generating Facility: (Continued) (N)

b. A customer with a Combined Technology Generating Facility consisting of one or more NEM Eligible Generators served under this Schedule, and one or more Non-NEM Eligible Generators, shall adhere to the following:

1. Where all Non-NEM Eligible Generators have a non-export relay, thus assuring no export to SCE's grid from any Non-NEM Eligible Generator, the customer is not required to install NGOM on their NEM Eligible Generators. However, where a customer's Combined Technology Generating Facility consists of Non-NEM Eligible Generators, all of which have non-export relays, and two or more NEM Eligible Generators, where the NEM Eligible Generators are served under different NEM schedules (NEM, BG-NEM, or FC-NEM), either NGOM in accordance with Special Condition 5.a.3 above, must be installed to determine what percentage of the measured excess energy exported to SCE's grid will receive NEM energy credits at the full retail rate (Delivery Service plus Generation) and what percentage of the measured excess energy exported to SCE's grid will receive NEM generation energy credits at the generation rate components only (URG and DWR), or else all excess energy exported to SCE's grid will be subject to Special Condition 5.a.2 above.

2. Where one or more of the customer's Non-NEM Eligible Generators does not have a non-export relay on it, thus export to SCE's grid from one or more Non-NEM Eligible Generators is possible, and where one or more of the NEM Eligible Generators does not have NGOM installed in accordance with Special Condition 5.a.3 above, NEM energy credits will only be applicable on the NEM Eligible Generators that do have NGOM, not to exceed the lesser of the total excess energy exported to SCE's or the total measured energy produced by the NEM Generators that have NGOM.

3. Where one or more Non-NEM Eligible Generators does not have a non-export relay, but all NEM Eligible Generators do have NGOM in accordance with Special Condition 5.a.3 above, all NEM Eligible Generators are eligible for NEM energy credits, and the NEM energy credits will be calculated in accordance with Special Condition 5.a.3 above. The maximum excess energy exported to SCE's grid from all NEM Eligible Generators shall be capped at the cumulative measured output of all NEM Eligible Generators over the customer's Relevant Period. Even though the cap for excess energy exported to SCE's grid eligible for NEM energy credit treatment is determined over the customer's Relevant Period, NEM energy credits must be calculated at the end of each month's billing period to properly apply energy rate factor changes that may occur from month to month. (N)

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Schedule FC-NEM
FUEL CELL NET ENERGY METERING

Sheet 6

(Continued)

6. Definitions: The following definitions are applicable to service provided under this Schedule. (L) (T)
- a. Eligible Fuel Cell Electrical Generating Facility: A generating facility that includes the following:
 - 1. Integrated powerplant systems containing a stack, tubular array, or other functionally similar configuration used to electrochemically convert fuel to electric energy.
 - 2. An inverter and fuel processing system where necessary.
 - 3. Other plant equipment, including heat recovery equipment, necessary to support the powerplant's operation or its energy conversion.
 - b. Date of Final Interconnection: The date SCE provides the customer with SCE's written approval to commence parallel operation of the Generating Facility for purposes of participating on this Schedule.
 - c. Net Energy: The difference between the electricity supplied and/or delivered through SCE, and the electricity generated by the customer and fed back into SCE's electric system, measured over the Relevant Period. Thus, where E_S is energy supplied and/or delivered by SCE, and E_F is energy generated by the customer and fed back into SCE's system:

$$\text{Net Energy} = E_S \text{ minus } E_F$$
 - d. Otherwise Applicable Tariff (OAT): The customer's regularly filed rate schedule under which service is rendered.
 - e. Relevant Period: A twelve-month period, or portion thereof, commencing on the anniversary Date of Final Interconnection of the customer's generator to SCE's electric system. (L)
 - f. Combined Technology Generating Facility: A generating facility that consists of any combination of multiple NEM Eligible Generators, where more than one NEM schedule (e.g., NEM, BG-NEM, or FC-NEM) is applicable, or where a generating facility consists of one or more NEM Eligible Generators and one or more Non-NEM Eligible Generators. (N)
 - g. NEM Eligible Generator: An electrical generator fueled by solar, wind, hybrid of solar and wind, biogas, or fuel cell, where the total nameplate generating capacity at a single Premises does not exceed 1 MW.
 - h. Non-NEM Eligible Generator: An electrical generator that does not meet the definition of Special Condition 6.g above. (N)

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Schedule NEM
NET ENERGY METERING

Sheet 1

APPLICABILITY

Applicable to Eligible Customer-Generators (Customers) and Eligible Customer-Generators Utilizing Wind Energy Co-Metering (Wind Customer), as defined herein below pursuant to Public Utilities (PU) Code Sections 2827 and 2827.8, where the total NEM Eligible Generator(s) capacity does not exceed 1 MW at a single Premises. Customers/Wind Customers served under this Schedule are not required to take service under Schedule S, except that a Customer/Wind Customer served under the provisions of Special Condition 5 of this Schedule may not be exempt from Schedules, as provided for in Special Condition 2.b of Schedule S. This Schedule is closed once the total combined nameplate rated generating capacity, of all Customers/Wind Customers NEM Eligible Generators served under this Schedule exceeds one-half of one percent of Southern California Edison's (SCE) aggregate peak demand. (T)

If a Customer/Wind Customer participates in Direct Access (DA) with an Energy Service Provider (ESP) or Community Choice Aggregation with a Community Choice Provider (CCP) that does not provide distribution services for the direct transactions, the ESP or CCP, as applicable, and not SCE, is obligated to provide NEM to the Customer/Wind Customer. Additionally, the Customer/Wind Customer is responsible for the incremental costs associated with the metering and billing services provided by SCE to a CCP's NEM Customer/Wind Customer, pursuant to Special Conditions 2.d and 5.c of this Schedule. (T)

A Customer/Wind Customer whose generating facility meets the definition of a Combined Technology Generating Facility, as defined in Special Condition 6.g of this Schedule, shall be subject to the provisions of Special Condition 5 of this Schedule. (N)

TERRITORY

Within the entire territory served.

RATES

As determined in each billing period, when a Customer is a net consumer of energy, E_s is greater than E_F , where E_s is energy supplied by SCE and E_F is energy generated by the Customer's electrical generating facility and fed back into SCE's electrical system, the resulting net consumed energy will be used in the calculation of all applicable energy charges, calculated by multiplying the Customer's net consumed kWh by the applicable energy rate components of the Customer's Otherwise Applicable Tariff (OAT), in each Time-Of-Use (TOU) period, when applicable. (T)

As determined in each billing period, when a Customer is a net producer of energy, E_F is greater than E_s , the resulting net produced energy will be used in the calculation of energy credits, calculated by multiplying the Customer's net produced kWh by the applicable energy rate components of the Customer's OAT, in each TOU period, when applicable. (T)

As determined in each billing period, when a Wind Customer is a net producer of energy, E_F is greater than E_s , the resulting net produced energy will be used in the calculation of generation energy credits, calculated by multiplying the Wind Customer's net produced kWh by the applicable generation (URG and DWR) rate components of the Wind Customer's OAT, in each TOU period. (T)

For all Customers/Wind Customers served under this Schedule, Special Condition 3.g shall apply to any remaining energy credits, and/or generation energy credits, at the end of each Relevant Period. (T)

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Schedule NEM
NET ENERGY METERING

Sheet 2

(Continued)

SPECIAL CONDITIONS

1. Required Application and Contract: An executed Application For A Net Energy Metering And Generating Facility Interconnection Agreement (Form 14-753), and an executed Net Metering And Interconnection Agreement (Form 16-344), are required prior to receiving service under this Schedule.

2. Metering Requirements for all Customer/Wind Customers Served Under This Schedule, Except Those Subject to the Provisions of Special Condition 5 of This Schedule:
 - a. For Customers who's OAT does not require a TOU meter net energy shall be measured (metered) using a single meter capable of registering the flow of electricity in two directions. If the Customer's existing meter is not capable of measuring the flow of electricity in two directions, an appropriate meter shall be provided at the expense of the Customer. SCE may elect to install an additional meter or meters, at SCE's expense, with the Customer's consent. Such additional metering shall be used only to provide the information necessary to accurately bill or credit the Customer. (T)

 - b. For Customers who's OAT requires a TOU meter, as well as all Wind Customers, net energy shall be measured (metered) using a single TOU meter capable of registering the flow of electricity in two directions. If the Customer's/Wind Customer's existing meter is not a TOU meter capable of measuring the flow of electricity in two directions, an appropriate TOU meter shall be provided at the expense of the Customer/Wind Customer. SCE may elect to install an additional meter or meters, at SCE's expense, with the Customer's/Wind Customer's consent. Such additional metering shall be used only to provide the information necessary to accurately bill or credit the Customer/Wind Customer. (T)

 - c. Where additional meters are required to accurately bill and/or credit the Customer/Wind Customer, if authorization is not granted by the Customer/Wind Customer, SCE shall have the right to refuse interconnection. (T)

 - d. Where SCE chooses to provide metering and billing for an ESP's or CCP's Customer/Wind Customer, the ESP or CCA Customer/Wind Customer, shall be responsible for the applicable charges for such services, as set forth in Schedule ESP-DSF for the ESP and as set forth in Schedule CCA-ISF for the CCA Customer/Wind Customer. (T)

3. Billing:
 - a. SCE shall provide all Customers/Wind Customers served under this Schedule with net energy consumption information and/or net energy production information with each monthly bill. (T)

 - b. For all Customers/Wind Customers served under this Schedule all applicable Monthly Customer Charges, Minimum Charges, Demand Charges, and/or other non-energy related charges, excluding any adjustments due to power factor provisions, as defined in the Customer's/Wind Customer's OAT, shall apply, when applicable, regardless of the Customer's/Wind Customer's monthly net generation. (T)

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Schedule NEM
NET ENERGY METERING

Sheet 3

(Continued)

SPECIAL CONDITIONS (Continued)

3. Billing: (Continued)

- c. For all Customers who meet the definition of a Residential or Small Commercial Customer (as defined in SCE's Rule 1), energy related charges and credits are accumulated until the end of a Relevant Period. However, upon a Customer's request, SCE shall permit such Customer to pay all applicable energy charges monthly. The request must be made by the Customer upon initiation of service under this Schedule or upon written notice to SCE no later than thirty (30) days prior to the end of a Relevant Period, whichever applies. For all Wind Customers, and all Customers who do not meet the definition of a Residential or Small Commercial Customer, it is mandatory to pay all applicable charges, both energy and non-energy related, on a monthly basis, in accordance with the Customer's/Wind Customer's OAT. (T)
- d. For all Customers who meet the definition of a Residential or Small Commercial Customer, the monthly bills shall show the accrued energy charges owed to SCE, or accrued energy credits for net energy produced, whichever applies, until the end of a Relevant Period. (T)
- e. For all Customers served under this Schedule, except Wind Customers, energy credits will be used to offset other time periods and/or subsequent billing periods' energy related charges when they exist. However, at no time will energy credits be applied towards any non-energy related charges and such credits cannot be carried over to a new Relevant Period. (T)
- f. For all Wind Customers, generation energy credits will be used to offset other time periods and/or subsequent billing periods' generation-related energy charges when they exist. The generation energy credits of a Wind Customer can only be used to offset the generation portion of its energy related charges, and such credits cannot be carried over to a new Relevant Period. (T)
- g. At the end of each Relevant Period, as defined in Special Condition 6.f of this Schedule, following the Date of Parallel Operation of the Customer's/Wind Customer's generator(s) with SCE's electric system, SCE shall proceed as follows: (T)
 - 1) For all Customers who meet the definition of a Residential or Small Commercial Customer who did not choose to be billed monthly for their energy related charges, SCE will subtract all accrued energy credits from all accrued energy charges. If this calculation results in monies owed to SCE, such energy charges shall be due and payable in accordance with the Customer's OAT. However, if this calculation results in an energy credit, SCE shall neither pay the customer for any unused energy credit nor carry forward any unused energy credit. The unused energy credit shall be zeroed out and a new Relevant Period shall commence. (T)
 - 2) For all Wind Customers, all Customers who do not meet the definition of a Residential or Small Commercial Customer, and all Customers who meet the definition of a Residential or Small Commercial Customer and who chose to be billed monthly for their energy related charges, any unused energy credits shall not be carried forward to the start of a new Relevant Period, rather the unused energy credits shall be zeroed out and a new Relevant Period shall commence. (T)
- h. If a Customer/Wind Customer terminates service under this Schedule prior to the end of a Relevant Period, SCE shall reconcile the Customer's/Wind Customer's consumption and production of electricity and bill the Customer/Wind Customer for positive Net Energy charges, if any. (T)

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Schedule NEM
NET ENERGY METERING

Sheet 4

(Continued)

SPECIAL CONDITIONS (Continued)

4. Grandfathered Generating Facilities: Customers/Wind Customers, served under this Schedule who have all local and state permits required to commence construction of their eligible generating facility on or before December 31, 2002, and have completed construction on or before September 30, 2003, shall be entitled to the net energy metering terms in effect on the date the local and state permits were acquired, for the life of the generating facility, regardless of any change in customer or ownership of the generating facility. (T)

5. A Customer/Wind Customer with a Combined Technology Generating Facility: Where a Customer/Wind Customer utilizes a Combined Technology Generating Facility, as (defined in Special Condition 6.g), the applicable provisions of this Special Condition 5 shall apply. Additionally, where this Special Condition differs from any other Special Condition contained in this Schedule, the provisions contained in this Special Condition shall prevail. (L)
(N)

- a. A Customer/Wind Customer with a Combined Technology Generating Facility consisting of one or more NEM Eligible Generators served under this Schedule and one or more NEM Eligible Generators served under Schedule BG-NEM and/or Schedule FC-NEM shall adhere to the following:
 1. Total nameplate capacity of all NEM Eligible Generators at a single point of common coupling and/or a single Premises shall not exceed 1 MW. Where the total nameplate capacity of all NEM Eligible Generators exceeds 1 MW, all otherwise NEM Eligible Generators become ineligible for service under this Schedule.

 2. Where a Customer/Wind Customer chooses not to install Net Generation Output Metering (NGOM) on all NEM Eligible Generators, all energy fed back to SCE's grid shall be eligible for NEM generation energy credits using the applicable generation (URG and DWR) rate components of the Customer's/Wind Customer's OAT. The NEM credits will not include any portion of the Delivery Service energy rate components of the Customer's/Wind Customer's OAT.

 3. Where a Customer/Wind Customer chooses to install NGOM on all NEM Eligible Generators, such NGOM must conform to the requirements set forth in SCE's Rule 22, Section G. A Customer/Wind Customer may choose to have SCE install utility-owned NGOM at the Customer's/Wind Customer's expense. A Customer/Wind Customer who has Rule 22 acceptable NGOM installed on all NEM Eligible Generators shall receive the applicable NEM energy credits that correspond to the measured energy exported to SCE's grid from each NEM Eligible Generator. As an example, if 40 percent of the measured energy exported to SCE's grid was produced by one or more NEM Eligible Generators eligible for NEM energy credits at the full retail rate (Delivery Services plus Generation), while 60 percent of the measured energy exported to SCE's grid was produced by one or more NEM Eligible Generators eligible for NEM generation energy credits at the generation rate components only (URG and DWR), then 40 percent of the measured energy exported to SCE's grid will receive NEM energy credits based on full retail (Delivery Service plus Generation) energy rate components, whereas 60 percent of the measured energy exported to SCE's grid will receive NEM generation energy credits based on the Customer's/Wind Customer's generation rate components (URG and DWR) of their OAT. (N)

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Schedule NEM
NET ENERGY METERING

Sheet 5

(Continued)

SPECIAL CONDITIONS (Continued)

5. A Customer/Wind Customer with a Combined Technology Generating Facility: (Continued)
- a. A Customer/Wind Customer with a Combined Technology Generating Facility consisting of one or more NEM Eligible Generators served under this Schedule, and one or more Non-NEM Eligible Generators, shall adhere to the following:
1. Where all Non-NEM Eligible Generators have a non-export relay, thus assuring no export to SCE's grid from any Non-NEM Eligible Generator, the Customer/Wind Customer is not required to install NGOM on their NEM Eligible Generator(s). However, where a Customer's/Wind Customer's Combined Technology Generating Facility consists of Non-NEM Eligible Generators, all of which have non-export relays, and two or more NEM Eligible Generators, where the NEM Eligible Generators are served under different NEM schedules (NEM, BG-NEM, or FC-NEM), either NGOM in accordance with 5.a.3 above must be installed to determine what percentage of the measured excess energy exported to SCE's grid will receive NEM energy credits at the full retail rate (Delivery Service plus Generation) and what percentage of the measured excess energy exported to SCE's grid will receive NEM generation energy credits at the generation rate components only (URG and DWR), or else all excess energy exported to SCE's grid will be subject to the provisions of 5.a.2 above.
 2. Where one or more of the Customer's/Wind Customer's Non-NEM Eligible Generators does not have a non-export relay on it, thus export to SCE's grid from one or more Non-NEM Eligible Generators is possible, and where one or more of the NEM Eligible Generators does not have NGOM installed in accordance with 5.a.3 above, NEM energy credits will only be applicable on the NEM Eligible Generators that do have NGOM, not to exceed the lesser of the total excess energy exported to SCE's or the total measured energy produced by the NEM Generators that have NGOM.
 3. Where one or more Non-NEM Eligible Generators does not have a non-export relay, but all NEM Eligible Generators do have NGOM in accordance with 5.a.3 above, all NEM Eligible Generators are eligible for NEM energy credits, and the NEM energy credits will be calculated according to 5.a.3 above. The maximum excess energy exported to SCE's grid from all NEM Eligible Generators shall be capped at the cumulative measured output of all NEM Eligible Generators over the Customer's/Wind Customer's Relevant Period. Even though the cap for excess energy exported to SCE's grid from all NEM Eligible Generators is determined over the Customer's/Wind Customer's Relevant Period, NEM energy credits must be calculated at the end of each month's billing period to properly apply energy rate factor changes that may occur from month to month.
- c. Where SCE provides metering and billing for an ESP's or CCP's Customer/Wind Customer, the ESP or CCA Customer/Wind Customer, as applicable, shall be responsible for the applicable charges for such services, as set forth in Schedule ESP-DSF for the ESP and as set forth in Schedule CCA-ISF for the CCA Customer/Wind Customer.

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Schedule NEM
NET ENERGY METERING

Sheet 6

(Continued)

SPECIAL CONDITIONS (Continued)

6. Definitions: The following definitions are applicable to service provided under this Schedule. (L)(T)
- a. Eligible Customer-Generator (Customer): A Residential, Small Commercial (as defined in SCE's Rule 1), commercial, industrial, or agricultural customer who uses a solar or wind turbine electrical generating facility, or a hybrid system of both, with a total capacity of not more than 1 MW, and where the wind turbine electrical generating nameplate capacity is not greater than 50 kW, that is located on the Customer's Premises, that is interconnected and operates in parallel with SCE's electric system, intended primarily to offset part or all of the Customer's own electrical requirements, and that 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. A Customer with an electrical generating facility that meets these standards and rules shall not be required to install additional controls, perform or pay for additional tests, or purchase additional liability insurance. (T)
 - b. Eligible Customer-Generator Utilizing Wind Energy Co-Metering (Wind Customer): A customer who uses a wind energy electrical generating facility with a generating nameplate capacity greater than 50 kW, but not exceeding 1 MW, including solar and wind hybrid systems where the wind turbine electrical generating nameplate capacity is greater than 50 kW, that is located on the eligible Wind Customer's Premises, that is interconnected and operates in parallel with SCE's electric system, and that is intended primarily to offset part or all of the Wind Customer's own electrical requirements, and that 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. A Wind Customer whose electrical generating facility meets those standards and rules shall not be required to install additional controls, perform or pay for additional tests, or purchase additional liability insurance. (T)
 - c. Date of Parallel Operation. The date SCE provides the Customer/Wind Customer with SCE's written approval to commence parallel operation of the generating facility. (T)
 - d. Net Energy: The difference between the electricity supplied and/or delivered through SCE, and the electricity generated by the customer and fed back into SCE's electric system, measured over the Relevant Period. Thus, where E_S is energy supplied and/or delivered by SCE, and E_F is energy generated by the Customer/Wind Customer and fed back into SCE's system: (T)
- Net Energy = E_S minus E_F
- e. Otherwise Applicable Tariff: The Customer's/Wind Customer's regularly filed rate schedule under which service is rendered. (L)(T)

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Schedule NEM
NET ENERGY METERING

Sheet 7 (T)

(Continued)

SPECIAL CONDITIONS (Continued)

- 6. Definitions: The following definitions are applicable to service provided under this Schedule. (T)
(Continued)
- f. Relevant Period: A twelve-month period, or portion thereof, commencing on the anniversary Date of Final Interconnection of the Customer's/Wind Customer's generators to SCE's electric system. (T)
(T)
- g. Combined Technology Generating Facility: A generating facility that consists of any combination of multiple NEM Eligible Generators, where more than one NEM schedule (e.g., NEM, BG-NEM, or FC-NEM) is applicable, or where a generating facility consists of one or more NEM Eligible Generators and one or more Non-NEM Eligible Generators. (N)
- h. NEM Eligible Generator: An electrical generator fueled by solar, wind, hybrid of solar and wind, biogas, or fuel cell, where the total nameplate generating capacity at a single Premises does not exceed 1 MW. (N)
- i. Non-NEM Eligible Generator: An electrical generator that does not meet the definition of Special Condition 5.h above. (N)

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Schedule S
STANDBY

Sheet 9

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SPECIAL CONDITIONS (Continued)

2. Exemptions: An exemption from the charges of this Schedule is applicable to:
- a. Any customer served under a Time-of-Use rate schedule operating electric generation technology that meets the criteria as defined in Rule 1 for Distributed Energy Resources Generation. The exemption is limited to the periods specified in the Rule 1 definition.
 - b. The portion of a customer's load that can normally be served by one or more net energy metering (NEM) eligible generators, defined herein as an electrical generator fueled by solar, wind, a hybrid of solar and wind, biogas, or fuel cell, where the total nameplate generating capacity of all NEM eligible generators at a single Premises does not exceed 1 MW, except were a generator is fueled by biogas, then such a generator may be exempt from this Schedule if the nameplate generating capacity is greater than 1 MW but no greater than 10 MW, and where such generator meets the provisions of Public Utilities Code Section 2827.9 (b)(2)(B). (T)
 - c. Customers who install generating facilities of the type and size and during the time periods specified in Commission Decision (D.) 03-04-060 that meet all other criteria in PU Code Section 353.1. Based on these conditions, the following shall apply to new and existing qualified customers:
 - 1) For generating facilities installed and operational by the later of April 14, 2005 or the most recent six-month extension date, if applicable, the customer shall remain eligible for the exemption and receive service on the customer's OAT through June 1, 2011;
 - 2) For generating facilities installed and operational after the later of April 14, 2005 or the most recent six-month extension date, if applicable, the customer may, on an interim basis until the Commission resolves issues pending in R.04-03-017, elect on a one-time basis to:
 - i. receive the exemption and be served under its OAT through June 1, 2011; or,
 - ii. be served under this Schedule.
 - d. Customers who install generating facilities that are Ultra Clean resources, as defined in PU Code Section 353.2, sized 5 MW or smaller, installed and operational between January 1, 2003 and December 31, 2005 and that meet all other criteria in PU Code Section 353.1. Such customers shall receive service under their OAT through June 1, 2011.
 - e. Customers of record on Schedule D-PG, GS-1-PG, or PA-1-PG as of April 30, 1996, who were subsequently transferred by SCE to a Domestic, Commercial, or Agricultural rate Schedule and who have a valid Qualifying Facilities (QF) contract with SCE.

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Rule 21
GENERATING FACILITY INTERCONNECTIONS

Sheet 5

(Continued)

C. Application and Interconnection Process (Continued)

1. Application Process (Continued)

- d. When Required, Applicant and SCE Commit to Additional Interconnection Study Steps: When a Supplemental Review reveals that the proposed Generating Facility cannot be Interconnected to SCE's Distribution System by means of a Simplified Interconnection, or that significant Interconnection Facilities installed on SCE's system or Distribution System modifications will be needed to accommodate an Applicant's Generating Facility, SCE and Applicant shall enter into an agreement that provides for SCE to perform additional studies, facility design, and engineering and to provide detailed cost estimates for fixed price or actual cost billing to the Applicant, at the Applicant's expense. The Interconnection Study agreement shall set forth SCE's estimated schedule and charges for completing such work. Interconnection Study fees for solar Generating Facilities up to 1 megawatt (MW) that do not sell power to the grid will be waived up to the amount of \$5,000. Generating Facilities eligible for Net Energy Metering under Public Utilities Code Sections 2827, 2827.8, 2827.9, or 2827.10 are exempt from any costs associated with Interconnection Studies.

Table C.1 Summary of Fees and Exemptions

<u>Generating Facility Type</u>	<u>Initial Review Fee</u>	<u>Supplemental Review Fee</u>	<u>Interconnection Study Study Fees</u>	<u>Additional Commissioning Test Verification</u>
Non-Net Energy Metering	\$800*	\$600	As Specified by Utility	\$150/Person Hour**
Net Energy Metering (per Public Utilities Code Sections 2827, 2827.8, 2827.9, or 2827.10)	\$0	\$0	\$0	N/A
Solar 1MW or less that does not sell power to the grid (per D.01-07-027)		First \$5,000 of study fees waived		\$150/Person Hour**

*Subject to 50% refund pursuant to Section C.1.b.3
** Plus additional Costs for travel, lodging and meals.

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GENERATING FACILITY INTERCONNECTIONS

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C. Application and Interconnection Process (Continued)

Application Process (Continued)

Table C.2 Summary of Cost Responsibility for Multiple Tariff Interconnections

Interconnection Scenario		Should Applicant Pay Fees and Study Costs						Should Applicant Pay Costs of Modifications			
Existing DG	Proposed DG	Application/Initial Review		Supplemental Review		Detailed Interconnection Study		Interconnection Facilities		Distribution System Modifications	
		YES	NO	YES	NO	YES	NO	YES	NO	YES	NO
NEM	Non-NEM	X		X		X		X		X*	X*
NEM	NEM		X		X		X	X		X***	X***
Non-NEM	NEM	X		X		X		X		X*	X*
Simultaneous NEM and Non-NEM		X		X		X		X		X*	X*

* Yes if cost is specifically non-NEM, No if cost is specifically NEM, and Prorated between the NEM and non-NEM if it can't be determined.

** NEM: Net-Energy-Metered; these are Generating Facilities taking service under SCE's NEM tariffs

*** While it is anticipated that small inverter-based technology NEM systems are unlikely to require Distribution System Modifications, it is possible that larger NEM systems, especially machine-based technology NEM systems, may require such upgrades. This logic should also be applied to the scenario of an existing Non-NEM, and a large NEM machine-based technology system is proposed.

2. Interconnection Process

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- a. Applicant and SCE Enter Into an Interconnection Agreement and, Where Required, a Financing and Ownership Agreement for Interconnection Facilities or Distribution System Modifications: SCE shall provide the Applicant with an executable version of the Interconnection Agreement or Net Energy Metering Agreement appropriate for the Applicant's Generating Facility and desired mode of operation. Where the Supplemental Review or Interconnection Study performed by SCE has determined that modifications or additions to its Distribution System are required, or that additional Interconnection Facilities will be necessary to accommodate an Applicant's Generating Facility, SCE may also provide the Applicant with other Interconnection Facilities financing and ownership agreements. These agreements shall set forth SCE's and the Applicant's responsibilities, completion schedules, and fixed price or estimated costs for the required work.

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GENERATING FACILITY INTERCONNECTIONS

Sheet 7 (T)

(Continued)

C. Application and Interconnection Process (Continued)

2. Interconnection Process (Continued)

- b. Where Applicable, SCE or Producer Installs Required Interconnection Facilities or Modifies SCE's Distribution System: After executing the applicable agreements, SCE or Producer will commence construction/installation of SCE's Distribution System modifications or Interconnection Facilities which have been identified in the agreements. The parties will use good faith efforts to meet schedules and estimated costs as appropriate.
- c. Producer Arranges for and Completes Commissioning Testing of Generating Facility and Producer's Interconnection Facilities: The Producer is responsible for testing new Generating Facilities and associated Interconnection Facilities, according to Section J.5 to ensure compliance with the safety and reliability provisions of this Rule prior to being operated in parallel with SCE's Distribution System. For non-Certified Equipment, the Producer shall develop a written testing plan to be submitted to SCE for its review and acceptance. Alternatively, the Producer and SCE may agree to have SCE conduct the required testing at the Producer's expense. Where applicable, the test plan shall include the installation test procedures published by the manufacturer of the generation or interconnection equipment. Facility testing shall be conducted at a mutually agreeable time, and depending on who conducts the test, SCE or Producer shall be given the opportunity to witness the tests.
- d. SCE Authorizes Parallel Operation or Momentary Parallel Operation: SCE shall authorize the Producer's Generating Facility for Parallel Operation or Momentary Parallel Operation with SCE's Distribution System, in writing, within 5 calendar days of satisfactory compliance with the terms of all applicable agreements. Compliance may include, but not be limited to, provision of any required documentation and satisfactorily completing any required inspections or tests as described herein or in the agreements formed between the Producer and SCE. A Producer shall not commence Parallel Operation of its Generating Facility with SCE's system unless it has received SCE's express written permission to do so.

For Generating Facilities qualifying for service under Public Utilities Code Sections 2827 and 2827.8, SCE approval for interconnection shall normally be provided no later than 30 business days following SCE's receipt of 1) a completed Net Energy Metering Application including all supporting documents and required payments; 2) a completed signed Net Energy Metering Interconnection Agreement; and 3) evidence of the Producer's final inspection clearance from the governmental authority having jurisdiction over the Generating Facility. If the 30-day period cannot be met, SCE shall notify the Applicant and the Commission.

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GENERATING FACILITY INTERCONNECTIONS

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D. Generating Facility Design and Operating Requirements

This section has been revised to be consistent with the requirements of ANSI/IEEE 1547-2003 Standard for Interconnecting Distributed Resources with Electric Power Systems (IEEE 1547). Exceptions are taken to IEEE 1547 Clauses 4.1.4.2 Distribution Secondary Spot Networks and Clauses 4.1.8.1 or 5.1.3.1, which address Protection from Electromagnetic Interference. These are being studied for inclusion in a subsequent version of this Rule. Also, Rule 21 does not adopt the Generating Facility power limitation of 10 MW incorporated in IEEE 1547.

1. General Interconnection and Protective Function Requirements

The Protective Functions and requirements of this Rule are designed to protect SCE's Distribution System and not the Generating Facility. A Producer shall be solely responsible for providing adequate protection for its Generating Facility and Interconnection Facilities. The Producer's Protective Functions shall not impact the operation of other Protective Functions on SCE's Distribution System in a manner that would affect SCE's Capability of providing reliable service to its customers.

a. Protective Functions Required: Generating Facilities operating in parallel with SCE's Distribution system shall be equipped with the following Protective Functions to sense abnormal conditions on SCE's Distribution System and cause the Generating Facility to be automatically disconnected from SCE's Distribution System or to prevent the Generating Facility from being connected to SCE's Distribution System inappropriately:

- (1) Over and under voltage trip functions and over and under frequency trip functions;
- (2) A voltage and frequency sensing and time-delay function to prevent the Generating Facility from energizing a de-energized Distribution System circuit and to prevent the Generating Facility from reconnecting with SCE's Distribution System unless SCE's Distribution System service voltage and frequency is within the ANSI C84.1-1995 Table 1 Range B voltage Range of 106V to 127V (on a 120V basis), inclusive, and a frequency range of 59.3 Hz to 60.5 Hz, inclusive, and are stable for at least 60 seconds; and
- (3) A function to prevent the Generating Facility from contributing to the formation of an Unintended Island, and cease to energize SCE's Distribution System within two seconds of the formation of an Unintended Island.

The Generating Facility shall cease to energize SCE's Distribution System for faults on SCE's Distribution System circuit to which it is connected (IEEE 1547-4.2.1). The Generating Facility shall cease to energize SCE's Distribution circuit prior to re-closure by SCE's Distribution System equipment (IEEE 1547-4.2.2).

b. Momentary Paralleling Generating Facilities: With SCE's approval, the transfer switch or scheme used to transfer the Producer's loads from SCE's Distribution System to Producer's Generating Facility may be used in lieu of the Protective Functions required for Parallel Operation.

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GENERATING FACILITY INTERCONNECTIONS

Sheet 9 (T)

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D. Generating Facility Design and Operating Requirements (Continued)

1. General Interconnection and Protection Requirements (Continued)

c. Suitable Equipment Required: Circuit breakers or other interrupting equipment located at the Point of Common Coupling (PCC) must be Certified or "Listed" (as defined in Article 100, the Definitions Section of the National Electrical Code) as suitable for their intended application. This includes being capable of interrupting the maximum available fault current expected at their location. Producer's Generating Facility and Interconnection Facilities shall be designed so that the failure of any single device or component shall not potentially compromise the safety and reliability of SCE's Distribution System. The Generating Facility paralleling-device shall be capable of withstanding 220% of the Interconnection Facility rated voltage (IEEE 1547-4.1.8.3). The Interconnection Facility shall have the capability to withstand voltage and current surges in accordance with the environments defined in IEEE Std C62.41.2-2002 or IEEE Std C37.90.1-2002 as applicable and as described in J.3.e (IEEE 1547-4.1.8.2).

d. Visible Disconnect Required: When required by SCE's operating practices, the Producer shall furnish and install a ganged, manually-operated isolating switch (or a comparable device mutually agreed upon by SCE and the Producer) near the Point of Interconnection to isolate the Generating Facility from SCE's Distribution System. The device does not have to be rated for load break nor provide over-current protection.

The device must:

- 1) allow visible verification that separation has been accomplished. (This requirement may be met by opening the enclosure to observe contact separation.)
- 2) include markings or signage that clearly indicates open and closed positions.
- 3) be capable of being reached quickly and conveniently 24 hours a day by SCE personnel for construction, operation, maintenance, inspection, testing or reading, without obstacles or requiring those seeking access to obtain keys, special permission, or security clearances.
- 4) be capable of being locked in the open position
- 5) be clearly marked on the submitted single line diagram and its type and location approved by SCE prior to installation. If the device is not adjacent to the PCC, permanent signage must be installed at a SCE approved location providing a clear description of the location of the device.

Generating Facilities with Non-Islanding inverters totaling one (1) kilovolt-ampere (kVA) or less are exempt from this requirement.

e. Drawings Required: Prior to Parallel Operation or Momentary Parallel Operation of the Generating Facility, SCE shall approve the Producer's Protective Function and control diagrams. Generating Facilities equipped with Protective Functions and a control scheme previously approved by SCE for system-wide application or only Certified Equipment may satisfy this requirement by reference to previously approved drawings and diagrams.

f. Generating Facility Conditions Not Identified. In the event this Rule does not address the Interconnection conditions for a particular Generating Facility, SCE and the Producer may agree upon other arrangements.

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