

PUBLIC UTILITIES COMMISSION

505 VAN NESS AVENUE
SAN FRANCISCO, CA 94102-3298

Tel. No. (415) 703-1691



July 17, 2006

Advice Letter 2792-E-A

Rose de la Torre
Pacific Gas & Electric
77 Beale Street, Room 1088
Mail Code B10C
San Francisco, CA 94105

Subject: Revised Rule 21 in compliance with Decision 05-08-013

Dear Ms de la Torre:

Advice Letter 2792-E-A is effective June 26, 2006 by Resolution E-3996. A copy of the advice letter and resolution are returned herewith for your records.

Sincerely,

Sean H. Gallagher, Director
Energy Division

REGULATORY RELATIONS	
Tariffs Section	
M Brown	D Poster
R Dela Torre	S Ramaiya
B Lam	
JUL 20 2006	
_____ Records _____	
Return to _____	File _____
cc to _____	



Brian K. Cherry
Senior Director
Regulatory Relations

77 Beale Street, Room 1087
San Francisco, CA 94105

Mailing Address
Mail Code B10C
Pacific Gas and Electric Company
P.O. Box 770000
San Francisco, CA 94177

415.973.4977
Internal: 223.4977
Fax: 415.973.7226
Internet: BKC7@pge.com

June 26, 2006

Advice 2792-E-A

(Pacific Gas and Electric Company ID U 39 E)

Public Utilities Commission of the State of California

Subject: Supplement - Revisions to PG&E's Electric Rule 21 in Compliance
with Decision (D.) 05-08-013 and Resolution E-3996

In compliance with Resolution E-3996, Pacific Gas and Electric Company (PG&E) hereby submits for filing a supplement to Advice 2792-E regarding revisions to its **Electric Rule 21**. The affected tariff sheets are listed on the enclosed Attachment I and supersede the tariff sheets filed in Advice 2792-E.

Purpose

The purpose of this Advice Letter is to revise PG&E's Electric Rule 21 -- Generating Facility Interconnections consistent with the direction provided in Ordering Paragraph (OP) 2 of Commission Decision (D.) 05-08-013 and Resolution E-3996.

Background

On May 25, 2006, the Commission issued Resolution E-3996 approving PG&E's Advice 2792-E, as well as the filings from the other Investor Owned Utilities, subject to clarification specified in the Resolution. At the request of Energy Division, PG&E worked with San Diego Gas and Electric (SDG&E) and Southern California Edison (SCE) to be as consistent as possible with their proposed compliance language changes. This advice letter submits the changes requested.

Tariff Revisions

The following is a listing of the sections of Rule 21 that are changing along with a general overview of the revisions made by this filing.

Section C – Application and Interconnection Process

Changes were made to Table C.1, Summary of Fees and Exemptions, to reflect compliance with D.05-08-013's OP 2, bullet 6 regarding the development of a cost-based charge for Distributed Generation (DG) project interconnection Commissioning Test verifications (pre-parallel inspections) for those inspections that are extraordinary and/or follow the first inspection. While the Rule 21 Working Group reached consensus on the fee structure, the fees listed in Table C.1 were originally listed as a range. To comply with Resolution E-3996, the cost range originally proposed in Table C.1 is replaced with a cost maximum and the footnote is revised by replacing "because the actual rate may vary by utility and will adjust periodically" with "The rate indicated is the maximum labor rate as PG&E utilizes multiple job classifications to perform this work".

Section E - Interconnection Facilities and Distribution System Modifications, Ownership and Financing

Changes were made to Section E.2.a, Responsibility of Costs of Interconnecting a Generating Facility. As is Section C, described above, this modification is to comply with D.05-08-013's OP 2, bullet 6 regarding the development of a cost-based charge for DG project interconnection Commissioning Test verifications (pre-parallel inspections) for those inspections that are extraordinary and/or follow the first inspection. The proposed changes reflect when fees would be appropriate, outline the level of utility cost reporting owed Producer, and include the Producer's payment schedule in the event a fee is required.

Section F – Metering, Monitoring and Telemetering

Substantive changes were made Sections F.2, F.3 and F.4 to reflect compliance with D.05-08-013's OP 2, bullets 1 and 2. These proposed changes identify when net-generation output metering (NGOM) is required, may be required, or may be elected by the Producer. Where NGOM is required, the Producer will now have the option to install, own, maintain, and operate the NGOM in conformance with PG&E's Electric Tariff Rule 22. Additionally, the sunset provision date in Section F.6 that requires the utilities to file permanent metering requirements with the Commission is deleted.

Additionally, in compliance with Resolution E-3996, F.3 is further modified to comply with ordering paragraphs 2 and 3 by removing the distinction between subsidized and non-subsidized generating facilities and clarifying that the cost effectiveness criteria for NGOM is from the producer's perspective, respectively.

Section G - Dispute Resolution Process

Substantive changes were made to Sections G.2 and G.3, and a new Section G.4 was added in response to D.05-08-013's OP 2, bullets 3 and 4. The changes add requirements to the dispute resolution process. The changes include identification

early in the dispute process of decision-making representatives for both parties, provision of all relevant regulatory and/or technical details, and a timeline for the resolution process. New Section G.4 enumerates the process for the posting of a mutually agreed upon summary of the dispute resolution and supporting non-confidential documentation on the California Energy Commission website.

Protests

In accordance with D.05-01-035¹, "The filing of a supplement, or of additional information at the request of the reviewing Industry Division, does not automatically continue or reopen the protest period or delay the effective date of the advice letter."

Effective Date

Per Resolution E-3996, PG&E requests that this advice filing become effective **on the date of filing, June 26, 2006.**

Notice

In accordance with General Order 96-A, Section III, Paragraph G, a copy of this advice letter is being sent electronically and via U.S. mail to parties shown on the attached list and the service list for R.04-03-017. Address changes should be directed to Rose de la Torre at (415) 973-4716. Advice letter filings can also be accessed electronically at: **<http://www.pge.com/tariffs>**



Senior Director, Regulatory Relations

Attachments

CC: Service List R.04-03-017

¹ Third Interim Opinion Adopting Certain Requirements Regarding Advice Letter Filing, Service, Suspension, and Disposition

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. **Pacific Gas and Electric Company (ID U39)**

Utility type:

ELC

GAS

PLC

HEAT

WATER

Contact Person: Bernard Lam

Phone #: (415) 973-4878

E-mail: bxlc@pge.com

EXPLANATION OF UTILITY TYPE

ELC = Electric

GAS = Gas

PLC = Pipeline

HEAT = Heat

WATER = Water

(Date Filed/ Received Stamp by CPUC)

Advice Letter (AL) #: **2792-E-A**

Subject of AL: Supplement - Revisions to PG&E's Electric Rule 21 in Compliance with Decision (D.) 05-08-013 and Resolution E-3996

Keywords (choose from CPUC listing): Compliance, Rules, Connection

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

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

E-3996, D.05-08-013

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

Summarize differences between the AL and the prior withdrawn or rejected AL¹: _____

Resolution Required? Yes No

Requested effective date: **June 26, 2006**

No. of tariff sheets: 13

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

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

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

Tariff schedules affected: Rule 21

Service affected and changes proposed¹: N/A

Pending advice letters that revise the same tariff sheets: 2792-E

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

Pacific Gas and Electric Company

Attn: Brian K. Cherry

Director, Regulatory Relations

77 Beale Street, Mail Code B10C

P.O. Box 770000

San Francisco, CA 94177

E-mail: PGETariffs@pge.com

¹ Discuss in AL if more space is needed.

**ATTACHMENT 1
Advice 2792-E-A**

Cal P.U.C. Sheet No.	Title of Sheet	Cancelling Cal P.U.C. Sheet No.
24591-E*	Rule 21--Generating Facility Interconnections	23683-E
24592-E*	Rule 21 (Cont.)	23697-E
24593-E*	Rule 21 (Cont.)	New
24594-E*	Rule 21 (Cont.)	23700-E
24595-E*	Rule 21 (Cont.)	New
24596-E*	Rule 21 (Cont.)	24027-E
24597-E*	Rule 21 (Cont.)	23702-E
24598-E*	Rule 21 (Cont.)	23703-E
24599-E*	Rule 21 (Cont.)	New
24600-E*	Rule 21 (Cont.)	23706-E
24601-E*	Rule 21 (Cont.)	23707-E
24602-E*	Table of Contents -- Rules	24465-E
24603-E*	Table of Contents -- Rate Schedules	25051-E



RULE 21—GENERATING FACILITY INTERCONNECTIONS
(Continued)

C. APPLICATION AND INTERCONNECTION PROCESS (Cont'd.)

1. APPLICATION PROCESS (Cont'd.)

- d. When Required, Applicant and PG&E Commit to Additional Interconnection Study Steps.

When a Supplemental Review reveals that the proposed Generating Facility cannot be interconnected to PG&E's Distribution System by means of a Simplified Interconnection, or that significant interconnection Facilities installed on PG&E's system or Distribution System modifications will be needed to accommodate an Applicant's Generating Facility, PG&E and Applicant shall enter into an agreement that provides for PG&E to perform additional studies, facility design and engineering, and to provide a fixed price or an estimate for actual cost billing to the Applicant, at the Applicant's expense. The Interconnection Study agreement shall set forth PG&E'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 Section 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

Generating Facility Type	Initial Review Fee	Supplemental Review Fee	Interconnection Study Fees	Additional Commissioning Test Verification**
Non-Net Energy Metering	\$800*	\$600	As Specified by PG&E	\$113/ Person Hour
Net Energy Metering (per Public Utilities Code Sections 2827, 2827.8, 2827.9, or 2827.10)	\$0	\$0	\$0	N/A
Solar 1 MW or less that does not sell power to the grid (per D.01-07-027)	First \$5,000 of total review and study fees waived			\$113/ Person Hour
<p>* Subject to 50% refund pursuant to Section C.1.b.3. ** The rate indicated is the maximum labor rate as PG&E utilizes multiple job classifications to perform this work.</p>				

(N)

(N)

(Continued)



RULE 21—GENERATING FACILITY INTERCONNECTIONS
(Continued)

E. INTERCONNECTION FACILITIES AND DISTRIBUTION SYSTEM MODIFICATIONS
OWNERSHIP AND FINANCING (Cont'd.)

2. RESPONSIBILITY OF COSTS OF INTERCONNECTING A GENERATING
FACILITY

- a. Review, Study, and Additional Commissioning Test Verifications (pre-parallel inspections) Costs. A Producer shall be responsible for the reasonably incurred costs of the reviews, studies, and additional Commissioning Test verifications (pre-parallel inspections) conducted pursuant to Section C of this Rule. If the initial Commissioning Test verification (pre-parallel inspection) is not successful through no fault of PG&E, PG&E may impose upon the Producer a cost-based charge for subsequent Commissioning Test verifications (pre-parallel inspections). All costs for additional Commissioning Test verifications (pre-parallel inspections) shall be paid by Producer within thirty days of receipt of PG&E's invoice. The invoice provided by PG&E shall consist of the hourly rate multiplied by the hours incurred by PG&E and will separately specify the amount of time spent on-site from that spent in roundtrip travel to the project site. Additional costs, if any, will be specified on the invoice. If the initial Commissioning Test verification (pre-parallel inspection) is not successful through the fault of PG&E, that visit will not be considered the initial Commissioning Test verification (pre-parallel inspection). (T)
(T)
(N)

(N)
- b. Facility Costs. A Producer shall be responsible for all costs associated with Interconnection Facilities owned by the Producer. The Producer shall also be responsible for any costs reasonably incurred by PG&E in providing, operating, or maintaining the Interconnection Facilities and Distribution System modifications required solely for the Interconnection of the Producer's Generating Facility with PG&E's Distribution System. Generating Facilities eligible for Net Energy Metering under California Public Utilities Code 2827, 2827.8, 2827.9, or 2827.10 are exempt from any costs associated with Distribution System modifications. (L)

(Continued)



RULE 21—GENERATING FACILITY INTERCONNECTIONS
(Continued)

E. INTERCONNECTION FACILITIES AND DISTRIBUTION SYSTEM MODIFICATIONS
OWNERSHIP AND FINANCING (Cont'd.)

2. RESPONSIBILITY OF COSTS OF INTERCONNECTING A GENERATING
FACILITY (Cont'd.)

c. Separation of Costs. Should PG&E combine the installation of Interconnection Facilities or Distribution System modifications required for the Interconnection of a Generating Facility with modifications to PG&E's Distribution System to serve other Customers or Producers, PG&E shall not include the costs of such separate or incremental facilities in the amounts billed to the Producer.

(L)

d. Reconciliation of Costs and Payments. If the Producer selected a fixed price billing for the Interconnection Facilities or Distribution System modifications, no reconciliation will be necessary. If the Producer selected actual cost billing, a true-up will be required. Within a reasonable time after the Interconnection of a Producer's Generating Facility, PG&E will reconcile its actual costs related to the Generating Facility against any advance payments made by the Producer. The Producer will receive either a bill for any balance due or a reimbursement for overpayment as determined by PG&E's reconciliation. The Producer shall be entitled to a reasonably detailed and understandable accounting for the payments.

(L)

(Continued)



RULE 21—GENERATING FACILITY INTERCONNECTIONS
(Continued)

F. METERING, MONITORING AND TELEMTRY (Cont'd.)

3. NET GENERATION OUTPUT METERING (NGOM) (T)

Generating Facility customers may be required to install NGOM for evaluation, monitoring and verification purposes and to determine applicable standby and non-bypassable charges as defined in PG&E's tariffs, to satisfy applicable California Independent System Operator (CAISO) reliability requirements, and for Distribution System planning and operations. (N)

However, Generating Facility customers do not need to install NGOM where less intrusive and/or more cost effective options, for the Producer/Customer, are available for providing generator data to PG&E. These Generating Facilities may opt to have PG&E estimate load data in accordance with PG&E's applicable tariffs to determine or meet applicable standby and non-bypassable and other applicable charges and tariff requirements. However, if a Generating Facility customer objects to PG&E's estimate of the Generator(s) output, the customer may elect to install the NGOM, or have PG&E install NGOM at the customer's expense.

All metering options available to the customer must conform to the requirements set forth in PG&E's Rule 22. If PG&E does not receive meter data in accordance with Rule 22, PG&E shall have the right to install utility-owned NGOM at the customer's expense. (N)

(L)

(Continued)



RULE 21—GENERATING FACILITY INTERCONNECTIONS
(Continued)

F. METERING, MONITORING AND TELEMTRY (Cont'd.)

3. NET GENERATION OUTPUT METERING (NGOM) (Cont'd.) (T)

The relevant factors in determining the need for NGOM are as listed below: (N)

(D)

a. Data requirements in proportion to need for information; (L)

b. Producer's election to install equipment that adequately addresses PG&E's operational requirements;

c. Accuracy and type of required Metering consistent with purposes of collecting data;

d. Cost of Metering relative to the need for and accuracy of the data;

e. The Generating Facility's size relative to the cost of the Metering/monitoring;

f. Other means of obtaining the data (e.g., Generating Facility logs, proxy data etc.); and

g. Requirements under any Interconnection Agreement with the Producer.

The requirements in this section may not apply to Metering of Generating Facilities operating under PG&E's Net Energy Metering tariff pursuant to California Public Utilities Code Section 2827, et seq. Nothing in this Section F.3 supercedes Section B.4. (T)
(T)

PG&E will report to the Commission or designated authority, on a quarterly basis, the rationale for requiring Net Generation Output Metering equipment in each instance along with the size and location of the facility. (T)
(L)

(Continued)



RULE 21—GENERATING FACILITY INTERCONNECTIONS
(Continued)

F. METERING, MONITORING AND TELEMETRY (Cont'd.)

4. POINT OF COMMON COUPLING METERING

For purposes of assessing PG&E charges for retail service, the Producer's PCC Metering shall be reviewed by PG&E, and if required, replaced to ensure that it will appropriately measure electric power according to the provisions of the Customer's electric service tariff. Where required, the Customer's existing meter may be replaced with a bi-directional meter so that power deliveries to and from the Producer's site can be separately recorded. Alternately, the Producer may, at its sole option and cost, require PG&E to install multi-metering equipment to separately record power deliveries to PG&E's Distribution System and retail purchases from PG&E. Where necessary, such PCC Metering shall be designed to prevent reverse registration.

Generating Facilities eligible for Net Energy Metering under Public Utilities Code Section 2827, et seq. shall have metering provided pursuant to the terms of the applicable Net Energy Metering tariff schedule. (T)

5. TELEMETERING

If the nameplate rating of the Generating Facility is 1 MW or greater, Telemetering equipment at the Net Generator Output Metering location may be required at the Producer's expense. If the Generating Facility is interconnected to a portion of PG&E's Distribution System operating at a voltage below 10 kV, then Telemetering equipment may be required on Generating Facilities 250 kW or greater. PG&E shall only require Telemetering to the extent that less intrusive and/or more cost effective options for providing the necessary data in real time are not available. PG&E will report to the Commission or designated authority, on a quarterly basis, the rationale for requiring Telemetering equipment in each instance along with the size and location of the facility. (T)

(D)

(Continued)



RULE 21—GENERATING FACILITY INTERCONNECTIONS
(Continued)

F. METERING, MONITORING AND TELEMETRY (Cont'd.)

6. LOCATION (T)

Where PG&E-owned Metering is located on the Producer's premises, Producer shall provide, at no expense to PG&E, a suitable location for all such Metering Equipment.

7. COSTS OF METERING (T)

The Producer will bear all costs of the Metering required by this Rule, including the incremental costs of operating and maintaining the Metering Equipment.

G. DISPUTE RESOLUTION PROCESS

The following procedures will apply for disputes arising from this Rule:

1. The Commission shall have initial jurisdiction to interpret, add, delete or modify any provision of this Rule or of any agreements entered into between PG&E and the Producer to implement this tariff ("The Implementing Agreements") and to resolve disputes regarding PG&E's performance of its obligations under its tariffs, the applicable agreements, and requirements related to the Interconnection of the Producer's Generating or Interconnection Facilities pursuant to this Rule.

(L)

(Continued)



RULE 21—GENERATING FACILITY INTERCONNECTIONS
(Continued)

G. DISPUTE RESOLUTION PROCESS (Cont'd.)

- 2. Any dispute arising between PG&E and the Producer (individually "Party" and collectively "the Parties") regarding PG&E's or Producer's performance of its obligations under its tariffs. The Implementing Agreements, and requirements related to the Interconnection of Producer's Facilities pursuant to this Rule shall be resolved according to the following procedures:
 - a. The dispute shall be reduced to writing by the aggrieved Party in a letter ("the dispute letter") to the other Party containing the relevant known facts pertaining to the dispute, the specific dispute and the relief sought, and express notice by the aggrieved Party that it is invoking the procedures under Section G.2. Upon the aggrieved Party notifying the other Party of the dispute, each Party must designate a representative with the authority to make decisions for its respective Party and a representative with the technical expertise for its respective Party to review the dispute within 7 calendar days. In addition, upon receipt of the dispute letter, PG&E shall provide the aggrieved Party all the relevant regulatory and/or technical detail regarding any PG&E interconnection requirements under dispute within 21 calendar days. Within 45 calendar days of the date of the dispute letter, the Parties' authorized representatives will be required to meet and confer to try to resolve the dispute.
 - (L)
 - (N)
 - (N)
 - (L)
 - b. If a resolution is not reached within 45 calendar days from the date of the dispute letter, either Party may request to: (1) continue negotiations for an additional 45 days or (2) make a written request to the Chief Administrative Law Judge of the Commission for mediation. Alternatively, both Parties by mutual agreement may request mediation from an outside third-party mediator with costs to be shared equally between the Parties.
 - (N)
 - (N)
 - c. If the Parties do not resolve their dispute within 90 calendar days after the date of the dispute letter, the Commission pursuant to the Commission's Rules of Practice and Procedure Applicable to Customer Complaints.
 - (L) (T)
 - (L) (T)
- 3. Pending resolution of any dispute under this Section, the Parties shall proceed diligently with the performance of their respective obligations under this Rule and The Implementing Agreements, unless The Implementing Agreements have been terminated. Disputes as to the application and implementation of this Section shall be subject to resolution pursuant to the procedures set forth in this Section.

(Continued)



RULE 21—GENERATING FACILITY INTERCONNECTIONS
(Continued)

G. DISPUTE RESOLUTION PROCESS (Cont'd.)

4. The California Energy Commission (CEC) will maintain a website for the purpose of public disclosure of the resolution of the disputes submitted pursuant to Section G.2. Within 30 calendar days of resolution of the dispute, PG&E will present to the Producer a summary of the dispute including project-specific parameters such as generator technology, generator size, requested operational protocol, voltage service level, circuit type, the disputed issue and the agreed-upon resolution including the executed resolution documents that are non-confidential, if any. If the Producer and PG&E reach agreement on the dispute summary, PG&E will forward it to the CEC for posting. If the Producer and PG&E cannot agree on the dispute summary within 30 calendar days, PG&E will notify the CEC that there was a dispute that was resolved but agreement was not reached between PG&E and the Producer on the dispute summary. (N)

H. DEFINITIONS (L)

The definitions in this Section H are applicable only to this Rule, the Application and Interconnection Agreements.

Anti-Islanding: A control scheme installed as part of the Generating Facility or Interconnection Facilities that senses and prevents the formation of an Unintended Island.

Applicant: The entity submitting an Application for Interconnection pursuant to this Rule.

Application: A Commission-approved standard form submitted to PG&E for Interconnection of a Generating Facility.

Certification Test: A test pursuant to this Rule that verifies conformance of certain equipment with Commission-approved performance standards in order to be classified as Certified Equipment. Certification Tests are performed by NRTLs.

Certification; Certified; Certificate: The documented results of a successful Certification Testing.

Certified Equipment: Equipment that has passed all required Certification Tests.

Commission: The Public Utilities Commission of the State of California.

Commissioning Test: A test performed during the commissioning of all or part of a Generating Facility to achieve one or more of the following:

- Verify specific aspects of its performance;
- Calibrate its instrumentation; and
- Establish instrument or Protective Function set-points.

(Continued)



RULE 21—GENERATING FACILITY INTERCONNECTIONS
(Continued)

H. DEFINITIONS (Cont'd.)

Line Section: That portion of PG&E's Distribution System connected to a Customer bounded by automatic sectionalizing devices or the end of the distribution line.

Load Carrying Capability: The maximum electrical load that may be carried by a section of PG&E's Distribution System consistent with reliability and safety under the circumstances being evaluated.

Metering: The measurement of electrical power flow in kW and/or energy in kWh, and, if necessary, reactive power in kVAR at a point, and its display to PG&E, as required by this Rule.

Metering Equipment: All equipment, hardware, software including meter cabinets, conduit, etc., that are necessary for Metering.

Momentary Parallel Operation: The interconnection of a Generating Facility to the Distribution System for one second (60 cycles) or less.

Nationally Recognized Testing Laboratory (NRTL): A laboratory accredited to perform the Certification Testing requirements under this Rule.

Net Energy Metering: Metering for the receipt and delivery of electricity between the Producer and PG&E pursuant to Section 2827, 2827.8, 2827.9, or 2827.10 of the Public Utilities Code and Schedule NEM, Net Energy Metering.

Net Generation Output Metering: Metering of the net electrical power of energy output in kW or energy in kWh, from a given Generating Facility. This may also be the measurement of the difference between the total electrical energy produced by a Generator and the electrical energy consumed by the auxiliary equipment necessary to operate the Generator. For a Generator with no Host Load and/or Public Utilities Code Section 218 Load (Section 218 Load), Metering that is located at the Point of Common Coupling. For a Generator with Host Load and/or Section 218 Load, Metering that is located at the Generator but after the point of auxiliary load(s) and prior to serving Host Load and/or Section 218 Load. (T)

Net Nameplate Rating: The Gross Nameplate Rating minus the consumption of electrical power of a Generator or Generating Facility as designated by the manufacturer(s) of the Generator(s).

Network Service: More than one electrical feeder providing Distribution Service at a Point of Common Coupling.

(Continued)



RULE 21—GENERATING FACILITY INTERCONNECTIONS
(Continued)

H. DEFINITIONS (Cont'd.)

Non-Export; Non-Exporting: Designed to prevent the transfer of electrical energy from the Generating Facility to PG&E's Distribution System.

Non-Islanding: Designed to detect and disconnect from an Unintended Island with matched load and generation. Reliance solely on under/over voltage and frequency trip is not considered sufficient to qualify as Non-Islanding.

Paralleling Device: An electrical device, typically a circuit breaker, operating under the control of a synchronization function or by a qualified operator to connect an energized generator to an energized electric power system or two energized power systems to each other.

Parallel Operation: The simultaneous operation of a Generator with power delivered or received by PG&E while Interconnected. For the purpose of this Rule, Parallel Operation includes only those Generating Facilities that are Interconnected with PG&E's Distribution System for more than 60 cycles (one second).

Periodic Test: A test performed on part or all of a Generating Facility/ Interconnection Facilities at pre-determined time or operational intervals to achieve one or more of the following: (1) Verify specific aspects of its performance; (2) Calibrate instrumentation; and (3) Verify and re-establish instrument or Protective Function set-points.

Point of Common Coupling (PCC): The transfer point for electricity between the electrical conductors of PG&E and the electrical conductors of the Producer.

Point of Common Coupling Metering: Metering located at the Point of Common Coupling. This is the same Metering as Net Generation Output Metering for Generating Facilities with no Host Load and/or Section 218 Load.

(T)

Point of Interconnection: The electrical transfer point between a Generating Facility and the Distribution System. This may or may not be coincident with the Point of Common Coupling.

Producer: The entity that executes an Interconnection Agreement with PG&E. The Producer may or may not own or operate the Generating Facility, but is responsible for the rights and obligations related to the Interconnection Agreement.

(Continued)



TABLE OF CONTENTS
(Continued)
RULES

RULE	TITLE OF SHEET	CAL P.U.C. SHEET NO.
1	Definitions	14855,16368,14857,23005,14859,23006,14861,22891, 22892,14864,14865,19403,14867,19761,14869,14870,14871,15564,14873,14874-E
2	Description of Service	11257,11896,11611,14079,11261 to 11264, 11498,11266,11267,11499,11269 to 11278,14055,11280 to 11283-E
3	Application for Service	11714,18973-E
4	Contracts.....	13612-E
5	Special Information Required on Forms.....	11287,14192,11289-E
6	Establishment and Re-establishment of Credit	21155,21156-E
7	Deposits	11300,11301-E
8	Notices	20965,14145,20966,14146,13139-E
9	Rendering and Payment of Bills	20967,22704,20969,23965,21660,20972,20973,20974-E
10	Disputed Bills	11308 to 11310-E
11	Discontinuance and Restoration of Service	13140,13141,13142,13143,23966,23967, 13146,13147,13148,13149,13150,21672,13152-E
12	Rates and Optional Rates	16872,16873,16874-E
13	Temporary Service.....	22472-E
14	Shortage of Supply and Interruption of Delivery.....	19762,15527-E
15	Distribution Line Extensions.....	20093,20094,15577,21551,17850,17851,21552, 15582,15583,20095,21553,21554,21555,15588,17856,21556,15591,16986,15593-E
16	Service Extensions.....	20096, 15595,14880,14881,15596 to 15598,16987,15600 to 15608,14254,13775,15609,15610-E
17	Meter Tests and Adjustment of Bills for Meter Error	20099,12050,12051,22705-E
17.1	Adjustment of Bills for Billing Error.....	22706,12054-E
17.2	Adjustment of Bills for Unauthorized Use	22707,12056 to 12058-E
18	Supply to Separate Premises and Submetering of Electric Energy	14329,14330,13396,13276-E
19	Medical Baseline Quantities.....	18974,18975,18976-E
19.1	California Alternate Rates for Energy for Individual Customers and Submetered Tenants of Master-Metered Customers	23932,23968,23969,23970-E
19.2	California Alternate Rates for Energy for Nonprofit Group-Living Facilities	13728,23971,13589,13730,23972-E
19.3	California Alternate Rates for Energy for Qualified Agricultural Employee Housing Facilities	23935,23973,23937,23974-E
20	Replacement of Overhead with Underground Electric Facilities	19012,11240,11241,19013,16665,15611,19014-E
21	Generating Facility Interconnections	23678,23679,23680,23681,23682,24591, 23684,23685,23686,24026,23688,23689,23690,23691,23692,23693,23694,23695, 23696,24592,24593,23698,23699,24594,24895,24597,24598,24599,23704,23705, 24600,24601,23708,23718,24028,23720 to 23735-E
22	Direct Access Service	14888,19763,15565, 14891 to 14901,16448,14903,14904,16449,16235 to 16243,14913,16244,16245,16384, 14917,15833 to 15836,14920,14921,15568,14923,15569,14925,14926,15190,15191, 14929,14930,16385,16386,14933,16387,14935,14936,15192,14938 to 14946,16388-E
22.1	Direct Access Service Switching Exemption Rules	20996,20997 to 21003-E
23	Community Choice Aggregation Service.....	23007 to 23044-E
23.1	Community Choice Aggregation Service Switching Exemption Rules.....	23045 to 23048-E

(T)
|
(T)

(Continued)



TABLE OF CONTENTS

	<u>CAL P.U.C. SHEET NO.</u>	
Title Page	8285-E	
Table of Contents:		
Rate Schedules	24603,25050,24961,25043-E	(T)
Preliminary Statements	25026,25025,24308,24307-E	
Rules	24602-E	(T)
Maps, Contracts and Deviations.....	23053-E	
Sample Forms	25013,24993,24994,24958,19236,25042,10572,23225-E	

RATE SCHEDULES

<u>SCHEDULE</u>	<u>TITLE OF SHEET</u>	<u>CAL P.U.C. SHEET NO.</u>
RESIDENTIAL RATES		
E-1	Residential Service	24768,24769,24770,19910,24771,24772-E
E-2	Experimental Residential Time-of-Use Service	
E-3	Experimental Residential Critical Peak Pricing Service.....	22429,24773,24774,24775, 24776,24087,24777,24089,24778,23082,22501,21243,24779,22437,24780-E
EE	Service to Company Employees	24091-E
EM	Master-Metered Multifamily Service	24781,24782,24783,20648,24784,24785-E
ES	Multifamily Service	24786,24787,24788,23640,24789,24790-E
ESR	Residential RV Park and Residential Marina Service	
	.....	24791,24792,24793,20657,24794,24795-E
ET	Mobilehome Park Service	24796,24797,24343,24798,24799,24800-E
E-6	Residential Time-of-Use Service.....	24801,24802,24803,24804,24805,24806-E
E-7	Residential Time-of-Use Service.....	24808,24809,24810,24811,24344,24812-E
E-A7	Experimental Residential Alternate Peak Time-of-Use Service	
	.....	21274,24813,24814,24855,24815,24816-E
E-8	Residential Seasonal Service Option	24817,24818,24546,24819-E
E-9	Experimental Residential Time-of-Use Service for Low Emission	
	Vehicle Customers	24820,24821,24822,24823,24824,24825,21289,24826,24827-E
EL-1	Residential CARE Program Service.....	24118,24828,24829,24348,24830-E
EML	Master-Metered Multifamily CARE Program Service	24349,24667,21299,24123,22170-E
ESL	Multifamily CARE Program Service.....	24668,24669,21598,24351,24352,21307-E
ESRL	Residential RV Park and Residential Marina CARE Program Service	
	.....	24670,24671,21599,24353,24354,21313-E
ETL	Mobilehome Park CARE Program Service	
	.....	24672,24673,21600,22180,24355,21319-E
EL-6	Residential CARE Program Time-of-Use Service	24849,24850,24851,24852,24853,24854-E
EL-7	Residential CARE Program Time-of-Use Service	
	.....	21320,24133,24674,21601,24356,21325-E
EL-A7	Experimental Residential CARE Program Alternate Peak	
	Time-of-Use Service	21326,24357,24675,19783,24358,21330-E
EL-8	Residential Seasonal CARE Program Service Option	24359,24676,24360,22190-E
E-FERA	Family Electric Rate Assistance.....	23963,24996,21643-E
COMMERCIAL/INDUSTRIAL		
A-1	Small General Service	24677,24678,24361,24362,21339-E
A-6	Small General Time-of-Use Service.....	22755,23445,24679,24680,21343,24363,21345-E
A-10	Medium General Demand-Metered Service	
	.....	24148,24681,24682,24683,24684,22757,22874,24364,24365,21354,21355-E
A-15	Direct-Current General Service.....	24685,24686,24366,24157-E

(Continued)

**PG&E Gas and Electric Advice
Filing List
General Order 96-A, Section III(G)**

ABAG Power Pool
Accent Energy
Aglet Consumer Alliance
Agnews Developmental Center
Ahmed, Ali
Alcantar & Elsesser
Ancillary Services Coalition
Anderson Donovan & Poole P.C.
Applied Power Technologies
APS Energy Services Co Inc
Arter & Hadden LLP
Avista Corp
Barkovich & Yap, Inc.
BART
Bartle Wells Associates
Blue Ridge Gas
Bohannon Development Co
BP Energy Company
Braun & Associates
C & H Sugar Co.
CA Bldg Industry Association
CA Cotton Ginners & Growers Assoc.
CA League of Food Processors
CA Water Service Group
California Energy Commission
California Farm Bureau Federation
California Gas Acquisition Svcs
California ISO
Calpine
Calpine Corp
Calpine Gilroy Cogen
Cambridge Energy Research Assoc
Cameron McKenna
Cardinal Cogen
Cellnet Data Systems
Chevron Texaco
Chevron USA Production Co.
Childress, David A.
City of Glendale
City of Healdsburg
City of Palo Alto
City of Redding
CLECA Law Office
Commerce Energy
Constellation New Energy
CPUC
Cross Border Inc
Crossborder Inc
CSC Energy Services
Davis, Wright, Tremaine LLP
Defense Fuel Support Center
Department of the Army
Department of Water & Power City
DGS Natural Gas Services
Douglass & Liddell
Downey, Brand, Seymour & Rohwer
Duke Energy
Duke Energy North America
Duncan, Virgil E.
Dutcher, John
Dynergy Inc.
Ellison Schneider
Energy Law Group LLP
Energy Management Services, LLC
Exelon Energy Ohio, Inc
Exeter Associates
Foster Farms
Foster, Wheeler, Martinez
Franciscan Mobilehome
Future Resources Associates, Inc
G. A. Krause & Assoc
Gas Transmission Northwest Corporation
GLJ Energy Publications
Goodin, MacBride, Squeri, Schlotz &
Hanna & Morton
Heeg, Peggy A.
Hitachi Global Storage Technologies
Hogan Manufacturing, Inc
House, Lon
Imperial Irrigation District
Integrated Utility Consulting Group
International Power Technology
Interstate Gas Services, Inc.
IUCG/Sunshine Design LLC
J. R. Wood, Inc
JTM, Inc
Kaiser Cement Corp
Luce, Forward, Hamilton & Scripps
Manatt, Phelps & Phillips
Marcus, David
Matthew V. Brady & Associates
Maynor, Donald H.
McKenzie & Assoc
McKenzie & Associates
Meek, Daniel W.
Mirant California, LLC
Modesto Irrigation Dist
Morrison & Foerster
Morse Richard Weisenmiller & Assoc.
Navigant Consulting
New United Motor Mfg, Inc
Norris & Wong Associates
North Coast Solar Resources
Northern California Power Agency
Office of Energy Assessments
OnGrid Solar
Palo Alto Muni Utilities
PG&E National Energy Group
Pinnacle CNG Company
PITCO
Plurimi, Inc.
PPL EnergyPlus, LLC
Praxair, Inc.
Price, Roy
Product Development Dept
R. M. Hairston & Company
R. W. Beck & Associates
Recon Research
Regional Cogeneration Service
RMC Lonestar
Sacramento Municipal Utility District
SCD Energy Solutions
Seattle City Light
Sempra
Sempra Energy
Sequoia Union HS Dist
SESCO
Sierra Pacific Power Company
Silicon Valley Power
Smurfit Stone Container Corp
Southern California Edison
SPURR
St. Paul Assoc
Stanford University
Sutherland, Asbill & Brennan
Tabors Caramanis & Associates
Tecogen, Inc
TFS Energy
Transcanada
Turlock Irrigation District
U S Borax, Inc
United Cogen Inc.
URM Groups
Utility Cost Management LLC
Utility Resource Network
Wellhead Electric Company
Western Hub Properties, LLC
White & Case
WMA