



**Brian K. Cherry**  
Vice President  
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  
Fax: 415.973.7226

February 24, 2009

**Advice 3425-E**

(Pacific Gas and Electric Company ID U 39 E)

Public Utilities Commission of the State of California

**Subject: Revisions to Electric Schedule S – Standby Service and Form 79-285 Special Agreement for Electrical Standby Service and Request for a New Customer Form to Document Exemptions from the Reactive Demand Charge**

Pacific Gas and Electric Company (PG&E) hereby submits for filing revisions to its Electric Schedule S tariff and Form 79-285, *Special Agreement for Electrical Standby Service*. Additionally, PG&E submits for Commission approval a newly developed form, Form 79-1110, *Reactive Demand Charge Exemption Form*, to document a customer's exemption from Reactive Demand Charges in accordance with Special Condition 2 of Electric Schedule S – Standby Service. The affected tariff sheets are attached.

**Purpose**

The purpose of this filing is to seek Commission approval of minor revisions to Electric Schedule S – Standby Service and Form 79-285, *Special Agreement for Electrical Standby Service*. The revisions consist of inserting text which was inadvertently deleted in a previous advice filing, Advice 2570-E-A, filed December 30, 2004, correct typos, delete unnecessary text, and reformat the entire tariff for consistency. To ensure proper historical documentation, Form 79-1110 has been created to capture information relevant to Reactive Demand Charge exemptions granted under this tariff.

**Tariff Revisions**Electric Schedule S

<b>Tariff Sheet No.</b>	<b>Cancelling CPUC Sheet No.</b>	<b>Section</b>	<b>Format Change</b>	<b>Change in text</b>
1	26115-E	Applicability	Reformat into summary form	No text change
2	27838-E	Entire Page	Bolded paragraph headings	No text change
2	27838-E	Item c. Transmission		Added word "utility" for clarification.
3	27977-E	Rates (Cont'd.)		Inserted text "(per KW per month applied to 85 percent of the Reservation Charge) to reinforce consistency throughout the tariff.
5	24909-E	Types of Charges	Bolded summary heading and reorganized in text in summary form.	No text changes
5	24909-E	Last Paragraph		Corrected typo, replaced "E-26" with applicable rate schedule "E-37"
6	26995-E	Definition of Service Voltage	Bolded title	No text changes
7	24910-E	Entire Page	Bolded title heading	No text changes
8	27840-E	Entire Page	<ul style="list-style-type: none"> <li>• Bolded section heading</li> <li>• Incorporated last paragraph as summary item "c."</li> </ul>	No text changes
9	27841-E	Entire Page	<ul style="list-style-type: none"> <li>• Bolded paragraph heading</li> <li>• On summary items, replaced parenthesis with periods</li> </ul>	Added paragraph after SC 2b. to further explain reactive demand charge billing. This paragraph was inadvertently deleted in the last advice filing of 1/1/09.
10	27842-E	Reactive Demand Charge (Cont'd)	Replaced parenthesis with periods on summary items	No text changes
11	27843-E	Entire Page	Bolded paragraph headings	No text changes
12	27844-E	Entire Page	Bolded paragraph	<ul style="list-style-type: none"> <li>• SC7a.-Replaced part of</li> </ul>

			heading (7.)	<p>the last sentence (“...by the net capacity of the on-site generation.”) with reference to Special Condition 1 where definition resides (“..in accordance with Special Condition 1 of this tariff”)</p> <ul style="list-style-type: none"> <li>• SC7b. – Added “E-37” which was inadvertently omitted.</li> </ul>
13	27845-E	SC 7c.		<ul style="list-style-type: none"> <li>• First paragraph – replaced detailed definition of Reservation Capacity with reference to Special Condition 1.</li> <li>• Deleted second paragraph which is no longer necessary.</li> </ul>
14	27846-E	Entire Page	Bolded paragraph headings	No text changes
15	27847-E	Entire Page	Bolded paragraph headings	<ul style="list-style-type: none"> <li>• Added to Special Condition 11, applicable PU Code 353.2.</li> </ul>
16	27979-E	Entire Page	Bolded paragraph headings	No text changes

Form 79-285 Special Agreement for Electrical Standby Service

Page	Revision
1	<ul style="list-style-type: none"> <li>• Reformatted first paragraph for consistency with other contracts.</li> </ul>
2	<ul style="list-style-type: none"> <li>• 4<sup>th</sup> paragraph - Replaced “E-26” with “E-37” which is the correct rate schedule</li> <li>• 5<sup>th</sup> paragraph – Replaced obsolete non-firm tariff language with text regarding total rated capacity of customer’s generation.</li> <li>• 6<sup>th</sup> paragraph – Added option for customers who do not qualify under the PU Code 353 exemption</li> </ul>
3	<ul style="list-style-type: none"> <li>• Combined item 7. and 8. and renumbered appropriately</li> <li>• Deleted reference in item 8 (formerly item 9) to non-firm options which no longer apply</li> </ul>
4	<ul style="list-style-type: none"> <li>• Renumbered remaining bullet points</li> <li>• Added a line for the date of signatures</li> <li>• Replaced mailing address with correct address information.</li> </ul>

Form 79-1110 Reactive Demand Charge Exemption Form

Please see the attached form.

**Protests**

Anyone wishing to protest this filing may do so by letter sent via U.S. mail, by facsimile or electronically, any of which must be received no later than **March 16, 2009**, which is 20 days after the date of this filing. Protests should be mailed to:

CPUC Energy Division  
Tariff Files, Room 4005  
DMS Branch  
505 Van Ness Avenue  
San Francisco, California 94102

Facsimile: (415) 703-2200  
E-mail: [ijnj@cpuc.ca.gov](mailto:ijnj@cpuc.ca.gov) and [mas@cpuc.ca.gov](mailto:mas@cpuc.ca.gov)

Copies of protests also should be mailed to the attention of the Director, Energy Division, Room 4004, at the address shown above.

The protest also should be sent via U.S. mail (and by facsimile and electronically, if possible) to PG&E at the address shown below on the same date it is mailed or delivered to the Commission:

Brian K. Cherry  
Vice President, Regulatory Relations  
Pacific Gas and Electric Company  
77 Beale Street, Mail Code B10C  
P.O. Box 770000  
San Francisco, California 94177

Facsimile: (415) 973-7226  
E-mail: [PGETariffs@pge.com](mailto:PGETariffs@pge.com)

**Effective Date**

PG&E requests that this advice filing become effective on regular notice, **March 26, 2009**, which is 30 calendar days after the date of filing.

**Notice**

In accordance with General Order 96-B, Section IV, a copy of this advice letter is being sent electronically and via U.S. mail to parties shown on the attached list. Address changes to the General Order 96-B service list should be directed to Rose de la Torre at (415) 973-4716. Send all electronic approvals to [PGETariffs@pge.com](mailto:PGETariffs@pge.com). Advice letter filings can also be accessed electronically at: <http://www.pge.com/tariffs>

A handwritten signature in black ink that reads "Brian K. Cherry / DC". The signature is written in a cursive style with a large, sweeping "B" and a long, trailing "y".

Vice President, Regulatory Relations

Attachments

# 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 M)**

Utility type:

ELC

GAS

PLC

HEAT

WATER

Contact Person: Daren Chan

Phone #: (415) 973-5361

E-mail: D1CT@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) #: **3425-E**

Tier: **2**

Subject of AL: Revisions to Electric Schedule S – Standby Service and Form 79-285 Special Agreement for Electrical Standby Service and Request for a New Customer Form to Document Exemptions from the Reactive Demand Charge

Keywords (choose from CPUC listing): Standby Service

AL filing type:  Monthly  Quarterly  Annual  One-Time  Other \_\_\_\_\_

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

Does AL replace a withdrawn or rejected AL? If so, identify the prior AL: No

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

Is AL requesting confidential treatment? If so, what information is the utility seeking confidential treatment for: No

Confidential information will be made available to those who have executed a nondisclosure agreement: N/A

Name(s) and contact information of the person(s) who will provide the nondisclosure agreement and access to the confidential information:

Resolution Required?  Yes  No

Requested effective date: **March 26, 2009**

No. of tariff sheets: 20

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: Rate Schedule S, Electric From 79-285, Electric Form 79-1110

Service affected and changes proposed: N/A

Protests, dispositions, 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

Tariff Files, Room 4005

DMS Branch

505 Van Ness Ave., San Francisco, CA 94102

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

Pacific Gas and Electric Company

Attn: Brian K. Cherry, Vice President, Regulatory Relations

77 Beale Street, Mail Code B10C

P.O. Box 770000

San Francisco, CA 94177

E-mail: PGETariffs@pge.com

**ATTACHMENT 1  
Advice 3425-E**

<b>Cal P.U.C. Sheet No.</b>	<b>Title of Sheet</b>	<b>Cancelling Cal P.U.C. Sheet No.</b>
28069-E	ELECTRIC SCHEDULE S STANDBY SERVICE Sheet 1	26115-E**
28070-E	ELECTRIC SCHEDULE S STANDBY SERVICE Sheet 2	27838-E
28071-E	ELECTRIC SCHEDULE S STANDBY SERVICE Sheet 3	27977-E
28072-E	ELECTRIC SCHEDULE S STANDBY SERVICE Sheet 5	24909-E
28073-E	ELECTRIC SCHEDULE S STANDBY SERVICE Sheet 6	26995-E**
28074-E	ELECTRIC SCHEDULE S STANDBY SERVICE Sheet 7	24910-E
28075-E	ELECTRIC SCHEDULE S STANDBY SERVICE Sheet 8	27840-E
28076-E	ELECTRIC SCHEDULE S STANDBY SERVICE Sheet 9	27841-E
28077-E	ELECTRIC SCHEDULE S STANDBY SERVICE Sheet 10	27842-E
28078-E	ELECTRIC SCHEDULE S STANDBY SERVICE Sheet 11	27843-E
28079-E	ELECTRIC SCHEDULE S STANDBY SERVICE Sheet 12	27844-E
28080-E	ELECTRIC SCHEDULE S STANDBY SERVICE Sheet 13	27845-E

**ATTACHMENT 1  
Advice 3425-E**

<b>Cal P.U.C. Sheet No.</b>	<b>Title of Sheet</b>	<b>Cancelling Cal P.U.C. Sheet No.</b>
28081-E	ELECTRIC SCHEDULE S STANDBY SERVICE Sheet 14	27846-E
28082-E	ELECTRIC SCHEDULE S STANDBY SERVICE Sheet 15	27847-E
28083-E	ELECTRIC SCHEDULE S STANDBY SERVICE Sheet 16	27979-E
28084-E	Electric Sample Form No. 79-285 Special Agreement for Electrical Standby Service	21546-E
28085-E	ELECTRIC SAMPLE FORM 79-1110 REACTIVE DEMAND CHARGE EXEMPTION FORM Sheet 1	
28086-E	ELECTRIC TABLE OF CONTENTS Sheet 1	28067-E
28087-E	ELECTRIC TABLE OF CONTENTS RATE SCHEDULES Sheet 4	28015-E
28088-E	ELECTRIC TABLE OF CONTENTS SAMPLE FORMS Sheet 15	27823-E



**ELECTRIC SCHEDULE S**  
**STANDBY SERVICE**

Sheet 1

**APPLICABILITY:** PG&E will supply electricity and capacity on a standby basis under the terms of this schedule for customers:

- a. whose supply requirements would otherwise be delivered through PG&E-owned facilities (including Independent System Operator (ISO)-controlled transmission facilities) but are regularly and completely provided through facilities not owned by PG&E; (T)
- b. who at times take auxiliary service (by means of a double-throw switch) from another public utility and who signed Standard Form 79-285 prior to the day after the Commission ends the rate freeze ordered by Assembly Bill 1890; (T)
- c. who require PG&E to provide reserve capacity and stand ready at all times to supply electricity on an irregular or noncontinuous basis; or (T)
- d. whose nonutility source of generation does not qualify under items (a), (b), or (c) above, but who qualify for and elect to receive back-up service under the provisions of Special Condition 7 below. (T)

Any customer under a time-of-use rate schedule using electric generation technology that meets the criteria as defined in Electric Rule 1 for Distributed Energy Resources is exempt from the otherwise applicable Standby Reservation Charges. Customers qualifying for this exemption will continue to pay the applicable energy, reactive demand, customer and meter charges provided for under this rate schedule, and shall be subject to the requirements outlined in Special Condition 11 of this tariff.

Customers whose premises are:

- a. supplied only in part by electric energy from a non-utility source of supply, and who do not qualify for or elect to take back-up service under the provisions of Special Condition 7, and/or (T)
- b. whose regular non-utility source of supply is subject to an extended outage as defined under Special Condition 9, will receive service under one of PG&E's other applicable rate schedules. (T)

However, this service will be provided subject to the provisions of Special Conditions 1 through 6 and 8 through 10 below, and reservation charges as specified under Section 1 will also be applicable. Solar customers who are taking service under PG&E's net metering tariffs or who utilize solar generating facilities which are less than or equal to one megawatt to serve load and who do not sell power or make more than incidental export of power into PG&E's power grid are exempt from standby charges. Non solar customers taking service under one of PG&E net metering schedules may be exempt from standby charges pursuant to PU Code 2827.

**TERRITORY:** PG&E's entire service territory.

**RATES:** Total bundled service charges are calculated using the total rates shown below. Direct Access (DA) and Community Choice Aggregation (CCA) charges shall be calculated in accordance with the paragraph in this rate schedule titled Billing.

(Continued)



**ELECTRIC SCHEDULE S**  
**STANDBY SERVICE**

Sheet 2

RATES:  
 (Cont'd.)

**DEFINITION OF SERVICE VOLTAGE:**

(T)

The following defines the three voltage classes of Schedule S rates. Standard Service Voltages are listed in Rule 2\*.

- a. Secondary: This is the voltage class if the service voltage is less than 2,400 volts or if the definitions of "primary" and "transmission" do not apply to the service.
- b. Primary: This is the voltage class if the customer is served from a "single customer substation" or without transformation from PG&E's serving distribution system at one of the standard primary voltages specified in PG&E's Electric Rule 2, Section B.1.
- c. Transmission: This is the voltage class if the customer is served without utility transformation at one of the standard transmission voltages specified in PG&E's Electric Rule 2, Section B.1.

(T)

The Standby Reservation Charges for customers who have paid for the total cost of the service transformers as special facilities under electric Rule 2 are determined by the voltage at the high side of the service transformer. All other charges will be billed on the voltage level at the low side of the service transformer.

PG&E retains the right to change its line voltage at any time, after reasonable advance notice to any customer affected by the change. The customer then has the option of changing its system to receive service at the new line voltage or accepting service at the initial voltage level through transformers supplied by PG&E.

**DEFINITION OF MAXIMUM DEMAND:**

(T)

The real (kW) and reactive (kVAR) demands billed under this tariff will be averaged over each 15-minute interval. "Maximum demand" (real and reactive) will be the highest 15-minute interval average for the billing month. If the customer's use of electricity is intermittent or subject to severe fluctuations, a 5-minute interval may be used. If the customer has any welding machines, the diversified resistance welder load, calculated in accordance with Section J of Rule 2, will be considered the maximum demand if it exceeds the maximum demand that results from averaging the demand over 15-minute intervals.

(T)

(T)

\* The Rules referred to in this rate schedule are part of PG&E's electric tariffs. Copies are available at PG&E's local offices.

(Continued)



**ELECTRIC SCHEDULE S**  
**STANDBY SERVICE**

Sheet 3

RATES:  
 (Cont'd.)

	<b>TOTAL RATES</b>			
	Secondary Voltage	Primary Voltage	Transmission Voltage	
Total Maximum Reactive Demand Charge (\$ per kVAR)	\$0.35	\$0.35	\$0.35	
<u>Total Reservation Charge Rate (\$/kW)</u>				
Reservation Charge (per KW per month applied to 85 percent of the Reservation Capacity)	\$2.40	\$2.38	\$0.78	(T)
<u>Total Energy Rates (\$ per kWh)</u>				
Peak Summer	\$0.27520	\$0.27286	\$0.10754	
Part-Peak Summer	\$0.16680	\$0.16651	\$0.09107	
Off-Peak Summer	\$0.12472	\$0.12510	\$0.08126	
Part-Peak Winter	\$0.14733	\$0.14559	\$0.08512	
Off-Peak Winter	\$0.12181	\$0.12219	\$0.07832	
Power Factor Adjustment Rate (\$/kWh/%)	\$0.00005	\$0.00005	\$0.00005	

Total bundled service charges shown on customers' bills are unbundled according to the component rates shown below

**UNBUNDLING OF TOTAL RATES**

	Secondary Voltage	Primary Voltage	Transmission Voltage	
<u>Reservation Charges Rate by Components (\$/kW)</u>				
<b>Generation</b>	\$0.24	\$0.21	\$0.21	
<b>Distribution</b>	\$1.78	\$1.79	\$0.19	
<b>Transmission*</b>	\$0.36	\$0.36	\$0.36	
<b>Reliability Services*</b>	\$0.02	\$0.02	\$0.02	
<u>Energy Rate by Components (\$ per kWh)</u>				
<b>Generation:</b>				
Peak Summer	\$0.10573	\$0.10336	\$0.08218	
Part-Peak Summer	\$0.08297	\$0.08263	\$0.06571	
Off-Peak Summer	\$0.06944	\$0.06976	\$0.05590	
Part-Peak Winter	\$0.07657	\$0.07478	\$0.05976	
Off-Peak Winter	\$0.06574	\$0.06605	\$0.05296	
<b>Distribution:</b>				
Peak Summer	\$0.14273	\$0.14269	\$0.00000	
Part-Peak Summer	\$0.05709	\$0.05707	\$0.00000	
Off-Peak Summer	\$0.02854	\$0.02853	\$0.00000	
Part-Peak Winter	\$0.04402	\$0.04400	\$0.00000	
Off-Peak Winter	\$0.02933	\$0.02933	\$0.00000	
<b>Transmission* (all usage)</b>				
<b>Transmission Rate Adjustments* (all usage)</b>	\$0.01265	\$0.01265	\$0.01265	
<b>Reliability Services* (all usage)</b>	(\$0.00287)	(\$0.00287)	(\$0.00287)	
<b>Public Purpose Programs (all usage)</b>	\$0.00061	\$0.00061	\$0.00061	
<b>Nuclear Decommissioning (all usage)</b>	\$0.00681	\$0.00688	\$0.00543	
<b>Competition Transition Charges</b>	\$0.00028	\$0.00028	\$0.00028	
<b>Energy Cost Recovery Amount (all usage)</b>	\$0.00204	\$0.00204	\$0.00204	
<b>DWR Bond (all usage)</b>	\$0.00231	\$0.00231	\$0.00231	
	\$0.00491	\$0.00491	\$0.00491	

\* Transmission, Transmission Rate Adjustments, and Reliability Service charges are combined for presentation on customer bills.

(Continued)



**ELECTRIC SCHEDULE S**  
**STANDBY SERVICE**

Sheet 5

RATES:  
 (Cont'd.)

**TYPES OF CHARGES:**

The customer's monthly charge for service under Schedule S is the sum of the Reservation, Energy, Customer, and TOU Meter Charges.

- a. The **Reservation Charge**, in dollars per kilowatt (kW), applies to the customer's Reservation Capacity, as defined in Special Condition 1. (T)
- b. The **Energy Charge** is the sum of Energy Charges from the peak, partial-peak and off-peak periods. The customer pays for energy by the kilowatt-hour (kWh), and rates are differentiated to times of day and time of year. (T)
- c. The **Customer Charge** will be paid monthly by all nonresidential customers. Residential customers will pay a Customer Charge only in months when the Customer Charge exceeds the customer's bill under Schedule S. (T)
- d. The Customer Charge varies by class of service, Reservation Capacity, and Voltage Level (for customers with Reservation Capacity greater than 499 kW). (T)
- e. The **TOU Meter Charge** applies to Residential, Agricultural, and Small and Medium Light and Power customers, with Reservation Capacity less than 500 kW. This charge will be paid in addition to the monthly Customer Charge. (T)
- f. The **Load Profile Meter Charge** applies to customers electing to receive the back-up and maintenance portions of their total service requirements under the provisions of Special Condition 7. This charge will be paid in addition to the regular Schedule E-19, Schedule E-20, or Schedule E-37 monthly customer charge. (T)

(Continued)



**ELECTRIC SCHEDULE S**  
**STANDBY SERVICE**

Sheet 6

RATES:  
 (Cont'd.)

**DEFINITION OF SERVICE VOLTAGE:**

(T)

The following defines the three voltage classes of Schedule S rates. Standard Service Voltages are listed in Rule 2.\*

- a. Secondary: This is the voltage class if the service voltage is less than 2,400 volts or if the definitions of "primary" and "transmission" do not apply to the service.
- b. Primary: This is the voltage class if the customer is served from a "single customer substation" or without transformation from PG&E's serving distribution system at one of the standard primary voltages specified in PG&E's Electric Rule 2, Section B.1.
- c. Transmission: This is the voltage class if the customer is served without transformation at one of the standard transmission voltages specified in PG&E's Electric Rule 2, Section B.1.

The Standby Reservation Charges for customers who have paid for the total cost of the service transformers as special facilities under electric Rule 2 are determined by the voltage at the high side of the service transformer. All other charges will be billed on the voltage level at the low side of the service transformer.

PG&E retains the right to change its line voltage at any time, after reasonable advance notice to any customer affected by the change. The customer then has the option of changing its system to receive service at the new line voltage or accepting service at the initial voltage level through transformers supplied by PG&E.

\* The Rules referred to in this rate schedule are part of PG&E's electric tariffs. Copies are available at PG&E's local offices.

(Continued)



**ELECTRIC SCHEDULE S**  
**STANDBY SERVICE**

Sheet 7

RATES:  
 (Cont'd.)

**DEFINITION OF TIME PERIODS:**

(T)

Times of the year and times of the day are defined as follows:

SUMMER Period A (service from May 1 through October 31):  
 Peak: 12:00 noon to 6:00 p.m. Monday through Friday (except holidays)  
 Partial-Peak: 8:30 a.m. to 12:00 noon AND 6:00 p.m. to 9:30 p.m.  
 Monday through Friday (except holidays)  
 Off-Peak: 9:30 p.m. to 8:30 a.m. Monday through Friday  
 All Day Saturday, Sunday, and holidays

WINTER Period B (Service from November 1 through April 30):  
 Partial-Peak: 8:30 a.m. to 9:30 p.m. Monday through Friday (except holidays)  
 Off-Peak: 9:30 p.m. to 8:30 a.m. Monday through Friday (except holidays)  
 All Day Saturday, Sunday and holidays

HOLIDAYS: "Holidays" for the purposes of this rate schedule are New Year's Day, President's Day, Memorial Day, Independence Day, Labor Day, Veterans Day, Thanksgiving Day, and Christmas Day. The dates will be those on which the holidays are legally observed.

**PHYSICAL ASSURANCE SERVICE:**

(T)

A distribution-level customer receiving standby service under Schedule S may elect to execute a contract for Physical Assurance (PG&E Form 79-1050). This contract requires that the customer's load automatically and instantaneously drop in an amount equal to the energy shortfall arising from a reduction in the on-site generator's output. Customers fulfilling the performance requirements of the physical assurance agreement do not pay the Reservation Charge Rate for the amount of capacity designated under the contract for Physical Assurance.

- a. **ELIGIBILITY:** To qualify for Physical Assurance service under Schedule S, the customer must have an executed contract for Physical Assurance. The contract for physical assurance acts as a rider contract to the customer's existing contract for standby service (PG&E Form Contract, 79-285) and applies to customers who install, or have already installed, on-site generation. Existing standby customers with on-site generators qualify if they meet the conditions set forth in the contract for physical assurance.

If the contract for Physical Assurance is terminated, the customer reverts to billing under its contract for standby service (Form 79-285) provided that it continues to meet the terms of that contract.

(Continued)



**ELECTRIC SCHEDULE S**  
**STANDBY SERVICE**

Sheet 8

SPECIAL  
 CONDITIONS:

1. **RESERVATION CAPACITY:** The Reservation Capacity to be used for billing (T)  
 under the above rates shall be as set forth in the customer's contract for service as amended consistent with this Special Condition 1. For new or revised contracts, the Reservation Capacity shall be set as initially determined by the customer, except that during the first 12-month period following the date of initial specification, PG&E may review the specified Reservation Capacity on a monthly basis and make adjustments as warranted (consistent with the criteria specified below). Thereafter, PG&E may perform an annual review of the most recent 12 months of actual customer operation and make prospective adjustments to the Reservation Capacity as warranted and consistent with customer's historic operations. Any such adjusted Reservation Capacity shall be effective for a minimum of 12 months unless a documented material change of operation is provided to PG&E by the customer. The customer may provide PG&E with documentation of such material changes in operations as might call for an adjusted Reservation Capacity at any time. Upon receipt and review of such documentation, PG&E shall revise the Reservation Capacity effective for the billing period immediately following receipt of the documentation.

For purposes of the subsequent annual contract reviews and any resulting adjustment to the Reservation Capacity, the following criteria shall apply:

- a. For those customers who operate sufficient non-utility generating capacity so as to ordinarily satisfy all of the electric energy requirements at their site and so do not ordinarily require any service through facilities owned by PG&E, the Reservation Capacity shall not be any greater than the customer's hourly peak demand established during the most recent 12 months of actual customer operation; (T)
- b. For customers with electric loads that exceed the capability of their non-utility generation so as to require the regular provision of supplemental power service through facilities owned by PG&E, the Reservation Capacity determination shall consider the number and size of the customer's non-utility generating unit(s), the outage diversity of the non-utility generating units serving the customer's load and any reduction of customer load commensurate with non-utility generator capacity outages; and (T)
- c. For customers taking Extended Outage Service under Special Condition 9 to this tariff, the Reservation Capacity recorded during the period of Extended Outage Service shall be considered only for purposes of billing the customer for Extended Outage Service, and shall not be considered in PG&E's determination of the customer's Reservation Capacity for purposes of other standby service taken under this tariff outside of Extended Outage Service periods. See Special Condition 7 of this tariff for the definition of Reservation Capacity for Supplemental Standby Service customers. (T)

(Continued)



**ELECTRIC SCHEDULE S**  
**STANDBY SERVICE**

Sheet 9

SPECIAL  
 CONDITIONS:  
 (Cont'd.)

2. **REACTIVE DEMAND CHARGE:** When the customer's non-utility generation equipment is operated in parallel with PG&E's system, the customer will design and attempt to operate its facilities in such a way that the reactive current requirements of that portion of the customer's load which ordinarily is supplied from the customer's generation is not supplied at any time from PG&E's system. If the customer does place a reactive demand on PG&E's system in any month, the customer's monthly bill will be adjusted as follows: (T)
- a. A monthly Reactive Demand Charge power factor is computed from the ratio of lagging maximum reactive kilovolt-amperes consumed in the month to the Reservation Capacity kilowatts. This power factor is rounded to the nearest whole percent. (T)
- b. If the calculated monthly Reactive Demand Charge power factor is below 95 percent, the total monthly bill will be increased by the product of the maximum reactive kilovolt-amperes consumed in the month and the Reactive Demand Charge rate. This Reactive Demand Charge will be subsequently applied to the customer's monthly bill until the customer demonstrates to PG&E's satisfaction that adequate correction has been provided. (T)

Those customers operating synchronous generators who are otherwise obligated to comply with PG&E switching center voltage orders are exempt from the Reactive Demand Charge, provided that customer is in compliance with all valid PG&E switching center voltage orders. Those customers operating synchronous generators who are not otherwise obligated to comply with PG&E switching center voltage orders may elect to comply with voltage orders on a voluntary basis and thereby receive the same exemption from the Reactive Demand Charge as is received by customers subject to mandatory voltage order obligations.

A customer who is operating under PG&E switching center voltage orders will become exempt from the Reactive Demand Charge after providing PG&E with the following written information:

- a. Notification requesting an exemption including the name, address, and telephone number of the party requesting the exemption; (T)
- b. The location, telephone number, electronic mail address and Fax number of the entity to which PG&E switching center orders are to be transmitted; and (T)
- c. The generator equipment limits for operating voltages and plus and minus VARs. (T)

(Continued)



**ELECTRIC SCHEDULE S**  
**STANDBY SERVICE**

Sheet 10

SPECIAL  
 CONDITIONS:  
 (Cont'd.)

2. REACTIVE DEMAND CHARGE (Cont'd)

Customers operating synchronous generators subject to exemption from paying the Reactive Demand Charge must comply with valid PG&E switching center voltage orders, as defined below for the purposes of this Special Condition 2. Upon request, the customer shall provide PG&E with written documentation sufficient to confirm customer's compliance with valid PG&E switching center voltage orders. Failure of the customer to comply with a valid PG&E switching center voltage order shall result in the following actions by PG&E:

- a. On the initial noncompliance occurrence or an occurrence of noncompliance following the imposition of a penalty, PG&E will provide to the customer in writing, through U.S. or electronic mail, the date and nature of the noncompliance and notice that another failure to comply within the next 12 months will result in assessment of a penalty. (T)
- b. On any second or further event of noncompliance within 12 months of the prior noncompliance occurrence, a penalty will be billed to the account, equal to the lesser of the number of months since the last noncompliance penalty and the number 12, multiplied by the highest created Reactive Demand in the most recent noncompliance period, multiplied by the current Reactive Demand Charge rate. (T)
- c. Customer eligibility for the exemption shall not be interrupted after a subsequent noncompliance occurrence (after a prior warning has been issued). However, a penalty for noncompliance as described here will be billed to the account. (T)

A valid PG&E switching center voltage order shall specify the requested operating voltage, as measured at the customer's generator terminals (or some other mutually agreeable metering location), and shall request operation of the customer's generator within a power factor range that is no stricter than: (1) the customer's power factor range obligation as specified in a contractual agreement (if any); (2) the minimum power factor range specified by the applicable CAISO tariff; or (3) the customer specified generator equipment limits.

Notwithstanding any other provision of this Special Condition 2, a valid PG&E switching center voltage order request shall ordinarily allow operation of the customer's generator within a power factor range that does not require the generator to reduce its MW output in order to comply with such request, with exceptions only to occur on an emergency basis, such as an unexpected loss of a major transmission line or large generation facility, or under extreme weather and/or system peak load conditions. No such exceptional voltage order request need be treated as valid if compliance with such a request would conflict with any protections that might be afforded to the customer's load in those instances where a valid Essential Use Customer designation applies to the load at the site.

(Continued)



**ELECTRIC SCHEDULE S**  
**STANDBY SERVICE**

Sheet 11

SPECIAL  
 CONDITIONS:  
 (Cont'd.)

3. **REDUCED CUSTOMER CHARGE:** Standby customers may qualify for a reduced Customer Charge. The following daily Customer Charges apply to customers who pay special facilities charges pursuant to Rule 21 for all of the interconnection facilities in place for PG&E to provide service to them: (T)
- |  |            |
|--|------------|
| Small Light and Power<br>(Reservation Capacity ≤ 50 kW)  | \$0.39097  |
| Medium Light and Power<br>(Reservation Capacity > 50 kW and < 500 kW)  | \$1.88320  |
| Medium and Large Light and Power<br>(Reservation Capacity > 500 kW and < 1000 kW served at transmission voltage and Reservation Capacity ≥ 1,000 kW served at transmission or primary voltage) | \$27.95893 |
4. **PARALLEL OPERATION:** Any customer may operate its generating plant in parallel with PG&E's system if the customer's plant is constructed and operated in accordance with Rule 21. However, a customer who operates its plant in parallel must assume responsibility for protecting PG&E and other parties from damage resulting from negligent operation of the customer's facilities. Customers may be required to meet requirements imposed by other governing entities having jurisdiction over PG&E's transmission lines including the ISO and the Western Systems Coordinating Council. The customer shall provide, own, install, and maintain all facilities necessary to accommodate any metering equipment specified by PG&E. Meters shall not allow reverse registration except as allowed under PG&E's net energy metering schedules. (T)
5. **CONTRACT:** This schedule is applicable only on a one-year contract Form No. 79-285). Once the initial one-year term is over, the contract will automatically continue in effect for successive terms of one year each until it is cancelled. Either party may cancel the contract by giving written notice not less than 30 days prior to the end of the current term. If the customer at any time increases the capacity of a load connected to its plant (or other source), the customer shall promptly notify PG&E. Any revision to the Reservation Capacity shall then be redetermined to be applicable beginning in the month in which such increase occurs. (T)
6. **LIMITATION ON RESERVATION CAPACITY SERVED:** Standby service to new or increased loads is limited to PG&E's ability to serve such loads without jeopardizing service to existing customers on rate schedules for firm service, including standby service. If standby service to any load or combination of loads is refused by PG&E, PG&E shall notify the California Public Utilities Commission (Commission) in writing. Standby service will require a special contract which shall be subject to approval of the Commission in the following cases: (T)
- a. Reservation Capacity exceeds 100,000 kW per account;
  - b. The combined Reservation Capacity for two or more customers whose other power source is a single, nonutility plant, exceeds 100,000 kW; and
  - c. The service is of an unusual character, as determined by PG&E.

(Continued)



**ELECTRIC SCHEDULE S**  
**STANDBY SERVICE**

Sheet 12

SPECIAL  
 CONDITIONS:  
 (Cont'd.)

7. **SUPPLEMENTAL STANDBY SERVICE (BACKUP REQUIREMENTS):** (T)
- a. Schedule E-19, Schedule E-20 and Schedule E-37 customers whose nonutility source of generation does not regularly supply all the power necessary at their premises may elect to receive the back-up portion of their total service requirement under Schedule S if: (1) the rated capacity of the customer's on-site generator less the capacity of all generating units qualifying for any of PG&E's net energy metering schedules is at least 50 percent of the customer's maximum kW demand; and (2) load profile recorders are installed to separately meter the net on-site generation and the on-site load. If the customer elects instead to receive all of their service under Schedule E-19 or E-20, however, Special Conditions 1 through 6 of this Schedule will apply to the back-up portion of their load, with a Reservation capacity as determined in accordance with Special Condition 1 of this tariff. (T)
  - b. Supplemental standby service requires the installation of a load profile recorder. PG&E will install load profile recorders, subject to meter availability. The customer shall provide, install, own, and maintain all facilities necessary to accommodate metering equipment specified by PG&E. An additional charge applies for Supplemental Standby Service. A Supplemental Standby Service Meter Charge will be added to the standby customer's bill in addition to the TOU Energy Charges for back-up requirements, specified in the Rates Section. Supplemental standby service customers will also pay the appropriate rate Schedule E-19, E-20 or E-37 charges, including the Customer Charge, for their supplemental power use. (T)

(Continued)



**ELECTRIC SCHEDULE S**  
**STANDBY SERVICE**

Sheet 13

SPECIAL  
 CONDITIONS:  
 (Cont'd.)

7. SUPPLEMENTAL STANDBY SERVICE (BACKUP REQUIREMENTS): (Cont'd.)

- c. Back-up requirements are the portion of the customer's maximum demand and energy usage in any billing month caused by the nonoperation of the customer's alternative source of power. The customer's Reservation Capacity shall be determined in accordance with Special Condition 1 of this tariff.

(T)  
 (T)  
 (D)

The customer's metered reactive power usage will be prorated for the purpose of assigning such usage separately to the customer's bills for backup power and for supplemental power. In particular, a single Power Factor Adjustment (as specified under Special Condition 8) will be calculated based on the ratio of all kWh and kVAh used, and then applied separately to the customer's bills for backup and supplemental power. The Reactive Demand Charge (see Special Condition 2) will be calculated by multiplying the customer's maximum measured reactive demand by the ratio of the current Reservation Capacity and the customer's maximum total kW of backup and supplemental load.

(Continued)



**ELECTRIC SCHEDULE S**  
**STANDBY SERVICE**

Sheet 14

SPECIAL  
 CONDITIONS:  
 (Cont'd.)

8. **POWER FACTOR ADJUSTMENT:** When the customer's Reservation Capacity is greater than 500 kW, the bill will be adjusted based on the power factor. The power factor is derived from the ratio of kWh to kVAh consumed in the month. Power factors are averaged and rounded to the nearest whole percent. (T)

The rates in this rate schedule are based on a power factor of 85 percent. If the average power factor is greater than 85 percent, the total monthly bill will be reduced by the product of the power factor adjustment rate and the kilowatt-hour usage for each percentage point above 85 percent. If the average power factor is less than 85 percent, the total monthly bill will be increased by the product of the power factor adjustment rate and the kilowatt-hour usage for each percentage point below 85 percent.

The power factor adjustment will be assigned to distribution for billing purposes.

The customer shall pay only the greater of the power factor adjustment and the reactive demand charge.

Generators for which ISO standards apply must also meet power factor requirements specified in the ISO tariff.

9. **EXTENDED OUTAGES:** If a customer's generation equipment or alternative supply source is subject to an extended outage, and this outage is expected to persist for at least one complete regular billing cycle, the customer may request alternate billing under the terms of that otherwise-applicable, demand-metered regular service tariff indicated by the customer's current reservation capacity, by providing formal written notification to PG&E. Billing under the indicated otherwise-applicable schedule would begin with the customer's first regular meter read date after the beginning of the outage. After PG&E is notified that the generation equipment has been returned to service, billing under Schedule S will resume as of the last regular meter read date that has preceded resolution of the outage. In the interim, reservation charges as specified under Section 1 of this tariff would continue to apply to the customer's bill, in addition to all charges from the indicated otherwise-applicable tariff. (T)

(Continued)



**ELECTRIC SCHEDULE S**  
**STANDBY SERVICE**

Sheet 15

SPECIAL  
 CONDITIONS:  
 (Cont'd.)

- 10. **NON-TIME-OF-USE METERING:** In those cases where PG&E deems it is not cost-effective to install a time-of-use (TOU) meter, PG&E will estimate the customer's kWh usage for each TOU period, and apply all TOU charges to the estimated kWh usage by TOU period. PG&E will estimate the customer's total kWh usage in the billing period to kWh usage within each TOU period based on a percentage breakdown using the ratio of the number of hours in each TOU period to total hours in the billing period. (T)
  
- 11. **DISTRIBUTED ENERGY RESOURCES EXEMPTION:** Public Utilities (PU) Code Sections 353.1, 353.2 and 353.3, provide for certain exemptions of standby reservation charges for qualifying "distributed energy resources." See Electric Rule 1 for definition of Distributed Energy Resources. Customers qualifying for an exemption from standby charges under PU Code Sections 353.1 and 353.3, as described above, must take service on a TOU schedule in order to receive this exemption until a real-time pricing program, as described in PU Code Section 353.3, is made available. Once available, customers qualifying for the distributed energy resources exemption must participate in the real-time program referred to above. Qualification for and receipt of this distributed energy resources exemption does not exempt the customer from metering charges applicable to TOU and real-time pricing, or exempt the customer from reasonable interconnection charges, non-bypassable charges as required in Preliminary Statement BB - *Competition Transition Charge Responsibility for All Customers and CTC Procurement*, or obligations determined by the Commission to result from participation in the purchase of power through the California Department of Water Resources, as provided in PU Code Section 353.7. (T)
  
- 12. **MULTIPLE TECHNOLOGIES:** Customers with generating facilities that are comprised of multiple generating units that apply different technologies, and with at least one generating unit that qualifies for a PG&E net energy metering tariff, and where all of the generating units are served through the same Point of Common Coupling as defined in PG&E's Rule 21, may be eligible for standby exemption for a portion of their standby requirement. Such exemption will be granted only for the duration allowed by the applicable tariff schedule and in accordance with the California Public Utilities Code. The customer will be billed under its otherwise-applicable rate schedule, and Special Conditions 1 through 7 of this Schedule S will not apply to the eligible generating portion qualifying for standby exemption. For the generating portion not qualifying for standby exemption, Special Conditions 1 through 7 of Schedule S will apply. The Standby reservation capacity will be set at a level not to exceed the nominal rated capacity of the non-eligible generating unit(s). Qualification for and receipt of this exemption does not exempt customers with multiple technologies from metering charges applicable to TOU and real-time pricing, or exempt the customer from reasonable interconnection charges, non-bypassable charges and other applicable tariff obligations. (T)

(Continued)

Advice Letter No: 3425-E  
 Decision No.

Issued by  
**Brian K. Cherry**  
 Vice President  
 Regulatory Relations

Date Filed February 24, 2009  
 Effective \_\_\_\_\_  
 Resolution No. \_\_\_\_\_



**ELECTRIC SCHEDULE S**  
**STANDBY SERVICE**

Sheet 16

SPECIAL  
 CONDITIONS:  
 (Cont'd.)

13. **BILLING:** A customer's bill is calculated based on the option applicable to the customer. (T)

**Bundled Service Customers** receive supply and delivery service solely from PG&E. The customer's bill is based on the Total Rates and Conditions set forth in this schedule.

**Transitional Bundled Service Customers** take transitional bundled service as prescribed in Rules 22.1 and 23.1, or take bundled service prior to the end of the six (6) month advance notice period required to elect bundled portfolio service as prescribed in Rules 22.1 and 23.1. These customers shall pay charges for transmission, transmission rate adjustments, reliability services, distribution, nuclear decommissioning, public purpose programs, the FTA (where applicable), the RRBMA (where applicable), the applicable Cost Responsibility Surcharge (CRS) pursuant to Schedule DA CRS or Schedule CCA CRS, and short-term commodity prices as set forth in Schedule TBCC.

**Direct Access (DA) and Community Choice Aggregation (CCA) Customers** purchase energy from their non-utility provider and continue receiving delivery services from PG&E. Bills are equal to the sum of charges for transmission, transmission rate adjustments, reliability services, distribution, public purpose programs, nuclear decommissioning, the FTA (where applicable), the RRBMA (where applicable), the franchise fee surcharge, and the applicable CRS. The CRS is equal to the sum of the individual charges set forth below. Exemptions to the CRS are set forth in Schedules DA CRS and CCA CRS.

	DA CRS	CCA CRS
Energy Cost Recovery Amount Charge (per kWh)	\$0.00231 (R)	\$0.00231 (R)
Power Charge Indifference Adjustment (per kWh)	(\$0.00200) (R)	\$0.01796 (R)
DWR Bond Charge (per kWh)	\$0.00491 (I)	\$0.00491 (I)
CTC Charge (per kWh)	\$0.00204 (I)	\$0.00204 (I)
<b>Total CRS (per kWh)</b>	<b>\$0.00726 (R)</b>	<b>\$0.02722 (R)</b>

14. **DWR BOND CHARGE:** The Department of Water Resources (DWR) Bond Charge was imposed by California Public Utilities Commission Decision 02-10-063, as modified by Decision 02-12-082, and is property of DWR for all purposes under California law. The Bond Charge applies to all retail sales, excluding CARE and Medical Baseline sales. The DWR Bond Charge (where applicable) is included in customers' total billed amounts. (T)

15. **SCHEDULED MAINTENANCE:** Customers may be allowed to place maintenance load on the distribution system during mutually agreed times (Scheduled Maintenance). Maintenance load is defined as a customer's load that would have otherwise been served by the DG that is down for maintenance. Customers shall provide four (4) days notice prior to PG&E determining whether and when Scheduled Maintenance is available ("Request"). For each Request, customers shall pay PG&E, at the time of such notification, for its expenses related to the scheduling and any necessary rearrangement of its facilities to accommodate Scheduled Maintenance. (T)



**Electric Sample Form No. 79-285**  
Special Agreement for Electrical Standby Service

**Please Refer to Attached  
Sample Form**

Advice Letter No: 3425-E  
Decision No.

Issued by  
**Brian K. Cherry**  
Vice President  
Regulatory Relations

Date Filed February 24, 2009  
Effective \_\_\_\_\_  
Resolution No. \_\_\_\_\_

**Distribution**

- \_\_\_ Division
- \_\_\_ Customer (original)
- \_\_\_ Rates and Tariffs – New Business (original)
- \_\_\_ Electric Billing Solutions

QF LOG# \_\_\_\_\_  
 Premises # \_\_\_\_\_  
 CDx Acct # \_\_\_\_\_

**PACIFIC GAS AND ELECTRIC COMPANY'S  
 SPECIAL AGREEMENT FOR ELECTRICAL STANDBY SERVICE**

This is an agreement between Pacific Gas and Electric Company (PG&E), a California corporation, and \_\_\_\_\_ (Customer), a(n) \_\_\_\_\_ . This agreement will be herein referred to as "Agreement".

Customer has requested PG&E to provide standby service at Customer's premises at \_\_\_\_\_, County of \_\_\_\_\_ California, under one of the standby options designated below:

- [ ] **Option 1** - Standby service for customers whose supply requirements would otherwise be delivered through PG&E owned facilities (including Independent System Operator controlled transmission facilities), are regularly and completely supplied through facilities not owned by PG&E.

The non-utility owned generating facilities have a total rated capacity of approximately \_\_\_\_\_ kVA.

All PG&E power deliveries will be made under Schedule S -- *Standby Service*.

- [ ] **Option 2** - Standby service for customers who regularly take electric service from another public utility but desire PG&E to reserve its generation, transmission or distribution capacity for their use:

Customer currently is supplied regular electric service from another utility's generation, transmission, or distribution system; Customer may be alternately served by PG&E by means of a double-throw switch. Both PG&E and the other utility have consented to this arrangement. Customer's maximum demand from electric equipment on his premises is \_\_\_\_\_ kW.

All PG&E power deliveries will be made under Schedule S.

This option is closed to all new customers after January 19, 2001.

- [ ] **Option 3** - Standby service for customers who require PG&E to reserve transmission or distribution capacity and stand ready at all times to deliver electricity on an irregular or non-continuous basis:

Customer has a) a premise which is normally, in part but not in whole, served by non-utility owned generation facilities with a total rated capacity of less than 50 percent of Customer's maximum demand for that premise, or b) a premise which qualifies for back-up service under the provisions of Special Condition 7 of Schedule S (See Option 4) but chooses not to elect Option 4 or currently lacks the necessary on-site metering to bill Option 4 properly,

or c) electrical equipment which is used on an irregular or non-continuous basis. The total rated capacity of Customer's generation facilities or irregularly utilized equipment is \_\_\_\_\_ kVA.

Customer will be billed for all PG&E power deliveries on the otherwise applicable rate schedule; however, Special Conditions 1 through 6 and 8, 9, and 10 of Schedule S will also apply to Customer's service.

- Option 4** - Standby service for customers who do not meet the criteria described in Option 1 and 2 above, but elect to receive back-up and maintenance portion of their total standby requirements under the provisions of Special Condition 7 of Schedule S:

At least 50 percent of Customer's maximum electric demand is served by a non-utility owned generator, and all necessary metering has been installed (by May 1, 1994, or the effective date of the contract) by PG&E to separately measure Customers net on-site generation and on-site load requirements. Customer would otherwise, except for such generation, qualify for service under Schedule E-19 (mandatory), E-20 or E-37.

Customer will be billed for the back-up and maintenance portion of the premises' total service requirements under the provisions of Special Condition 7 of Schedule S, and for its ordinary supplemental power requirements (on-site load in excess of the capability of the customer's non-utility owned generation) under the provisions of the otherwise applicable rate schedule. All back-up and maintenance power deliveries by PG&E will be billed in accordance with Schedule S. The total rated capacity of Customer's generation is kVA.

**PU Code 353 exemption:**

*Standby service for customers who qualify for exemption under PU Code 353 and elect to take this exemption.*

- Customers does NOT qualify for PU Code 353 exemption**

**Customers with supplemental power requirements:**

*For customers with supplemental power requirements (on-site load in excess of the capability of the customer's non-utility owned generation) under the provisions of the otherwise applicable rate schedule, Special Conditions 1 through 7 of Schedule S will **not** apply. (Option 3)*

**Customers with excess generation:**

*For those customers who operate electric generation equipment capable of serving their entire load and elect to take this exemption, Special Condition 1 (reservation capacity) will **not** apply. All other applicable charges of Schedule S will apply. (Options 1, 2 and 4)*

**Terms and Conditions**

1. Customer has requested PG&E to stand ready at all times to deliver or supply and deliver electric energy to Customer's premises on an as-needed basis. Such standby service shall be provided to Customer in accordance with and subject to PG&E's applicable rates and rules as established from time to time by, and on file with, the California Public Utilities Commission (Commission).
2. PG&E shall be granted, without cost to it, all necessary rights-of-way and easements, satisfactory to PG&E, in both location and form of document, to establish such service.

3. All necessary service facilities to accommodate Customer's load shall be furnished by PG&E and Customer as specified in electric line extension and service rules or the otherwise appropriate extension agreements. Any necessary extensions and reinforcements of PG&E's distribution and transmission facilities that are furnished by PG&E at Customer's expense in accordance with either a separate line extension or special facilities agreement, in accordance with the applicable tariffs.
4. All facilities furnished by PG&E to provide electric service at all times shall be and remain the property of PG&E notwithstanding that they may be affixed to Customer's property. PG&E may remove such facilities upon termination of the Agreement.
5. During the term of this Agreement, Customer grants to PG&E the right to operate, maintain, replace, and repair PG&E's facilities on Customer's premises necessary to provide standby service hereunder and all rights necessary for access to and from such facilities at all reasonable times.
6. All standby electric service provided shall be \_\_\_\_\_ phase, 60 hertz, alternating current at an electromotive force of approximately \_\_\_ volts. Allowable variations in this frequency and voltage are specified in PG&E's electric Rule 2. The delivery point for PG&E's standby service shall be considered the point where conductors owned, or under license by Customer, contact PG&E's conductors, or as otherwise designated by applicable rules.
7. The initial reserved capacity for standby service shall be \_\_\_ kW (Reservation Capacity) and shall be billed monthly at the rate described in the "Rates" section of Schedule S. If the Customer is already receiving standby service from PG&E under a preceding contract, that contracted or reserved capacity, or the amount of capacity to which that contract has been subsequently ratcheted, shall automatically become the Customer's Reservation Capacity, until the ratchet period ends unless the Reservation Capacity has been increased in accordance with the preceding paragraph.
8. Customer elects to receive any backup and maintenance service that is to be billed under the provisions of Schedule S under the following terms: \_\_\_\_\_ Firm Service Only.
9. If Customer has a generator and wishes to operate that generator in parallel with PG&E's system, Customer must also execute either a power purchase agreement, or parallel operation agreement, or applicable interconnection agreement with PG&E. Interconnection and operation of all non-utility owned generation paralleling with PG&E's system will be treated in accordance with electric Rule 21. Customers may need to meet those requirements as imposed by other governing entities having jurisdiction including the Independent System Operator and the Western Systems Coordinating Council.
10. Customer shall pay PG&E the monthly charges for the standby service provided hereunder at any established office of PG&E.
11. The initial term of this Agreement shall be for a period of one (1) year from the date the standby service under this Agreement is first made available to Customer as such date is established in PG&E's records and shall continue thereafter from year to year. Customer may terminate this Agreement at the expiration of the initial or any subsequent one-year term, or PG&E may terminate this Agreement in accordance with its tariffs, provided that written notice of such termination is given to the other party at least thirty (30) days prior to such termination date.

12. Customer may, with PG&E's written consent, assign this Agreement to a subsequent owner of the premises if the assignee will, in writing; agree to perform the obligations of the Agreement.

13. 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.

Dated this \_\_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_.

**Customer**

**PACIFIC GAS AND ELECTRIC**

BY: \_\_\_\_\_  
(Signature)

BY: \_\_\_\_\_  
(Signature)

\_\_\_\_\_  
(Type / print name)

\_\_\_\_\_  
(Type / print name)

TITLE: \_\_\_\_\_

TITLE: \_\_\_\_\_

DATE: \_\_\_\_\_

DATE: \_\_\_\_\_

Mailing Address: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Mailing Address: Pacific Gas and Electric Co  
77 Beale St. B8M  
San Francisco, CA 94105



**Pacific Gas and Electric Company**  
 San Francisco, California  
 U 39

Original  
 Cancelling Original

Cal. P.U.C. Sheet No. 28085-E  
 Cal. P.U.C. Sheet No. 28249-E

**ELECTRIC SAMPLE FORM 79-1110**  
 REACTIVE DEMAND CHARGE EXEMPTION FORM

Sheet 1

**Please See the Attached  
 Sample Form**

Advice Letter No: 3425-E  
 Decision No.

Issued by  
**Brian K. Cherry**  
 Vice President  
 Regulatory Relations

Date Filed February 24, 2009  
 Effective \_\_\_\_\_  
 Resolution No. \_\_\_\_\_

**Distribution:**

- Rates & Tariffs
- Customer Billing
- Account Services
- Electric Transmission



Date: \_\_\_\_\_

Log #: \_\_\_\_\_

**PACIFIC GAS AND ELECTRIC COMPANY  
Reactive Demand Charge Exemption Form**

Premises #: \_\_\_\_\_

**Project Name:** \_\_\_\_\_  
(Legal name as entered on Standby Contract)

**CDx Account No:** \_\_\_\_\_ **SA ID #:** \_\_\_\_\_  
(Assigned to Customer) (Electric Service Agreement #)

**Location:** \_\_\_\_\_  
(Street or descriptive address, city and/or county, and zip code)

**Generator Information:**

**Generator equipment limits for operating voltages** \_\_\_\_\_  
**Safe Operating VAR limit (plus and minus value)** \_\_\_\_\_

**Reactive Demand Exemption is only applicable to transmission-connected synchronous generators on automatic voltage control (AVR)**

#	Generator Description e.g. Plant #1	Generator Type: Synchronous or Induction	Interconnection Voltage (kV)	Capacity (MW)	Make and Model e.g. GE LM5000
1.					
2.					
3.					
4.					

**Completed by:** \_\_\_\_\_

**Effective Date Requested:** \_\_\_\_\_

**Plant control e-mail:** \_\_\_\_\_ **Contact #** ( ) \_\_\_\_\_

**Plant control fax number:** \_\_\_\_\_ **Contact #** ( ) \_\_\_\_\_

**Alternate contact number (cell):** \_\_\_\_\_ **Contact #** ( ) \_\_\_\_\_

**PG&E Switching Center:** \_\_\_\_\_ **Contact co. #** ( ) \_\_\_\_\_

**Comments:** \_\_\_\_\_

**For PG&E Use Only**

**Reviewer:** \_\_\_\_\_ **Contact #** ( ) \_\_\_\_\_

**Effective Date:** \_\_\_\_\_ **(First day of the next billing cycle)**



**ELECTRIC TABLE OF CONTENTS**

Sheet 1

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Advice Filing List  
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Aglet	Department of the Army	Northern California Power Association
Agnews Developmental Center	Dept of General Services	Occidental Energy Marketing, Inc.
Alcantar & Kahl	Division of Business Advisory Services	OnGrid Solar
Ancillary Services Coalition	Douglas & Liddell	PPL EnergyPlus, LLC
Anderson & Poole	Douglass & Liddell	Pinnacle CNG Company
Arizona Public Service Company	Downey & Brand	Praxair
BART	Duke Energy	R. W. Beck & Associates
BP Energy Company	Duncan, Virgil E.	RCS, Inc.
Barkovich & Yap, Inc.	Dutcher, John	RMC Lonestar
Bartle Wells Associates	Ellison Schneider & Harris LLP	Recon Research
Blue Ridge Gas	Energy Management Services, LLC	SCD Energy Solutions
Braun & Associates	FPL Energy Project Management, Inc.	SCE
C & H Sugar Co.	Foster Farms	SESCO
CA Bldg Industry Association	Foster, Wheeler, Martinez	SMUD
CAISO	Franciscan Mobilehome	SPURR
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CSC Energy Services	GLJ Publications	Seattle City Light
	Goodin, MacBride, Squeri, Schlotz & Ritchie	Sempra Utilities
California Cotton Ginners & Growers Assn	Green Power Institute	Sequoia Union HS Dist
California Energy Commission	Hanna & Morton	Sierra Pacific Power Company
California League of Food Processors	Heeg, Peggy A.	Silicon Valley Power
California Public Utilities Commission	Hitachi	Smurfit Stone Container Corp
Calpine	Hogan Manufacturing, Inc.	Southern California Edison Company
Cameron McKenna	Imperial Irrigation District	St. Paul Assoc.
Cardinal Cogen	Innercite	Sunshine Design
Casner, Steve	International Power Technology	Sutherland, Asbill & Brennan
Cerox	Intestate Gas Services, Inc.	TFS Energy
Chamberlain, Eric	J. R. Wood, Inc.	Tabors Caramanis & Associates
Chevron Company	JTM, Inc.	Tecogen, Inc.
Chris, King	Los Angeles Dept of Water & Power	Tiger Natural Gas, Inc.
City of Glendale	Luce, Forward, Hamilton & Scripps LLP	Tioga Energy
City of Palo Alto	MBMC, Inc.	TransCanada
City of San Jose	MRW & Associates	Turlock Irrigation District
Clean Energy Fuels	Manatt Phelps Phillips	U S Borax, Inc.
Coast Economic Consulting	Matthew V. Brady & Associates	United Cogen
Commerce Energy	McKenzie & Associates	Utility Cost Management
Commercial Energy	Meek, Daniel W.	Utility Resource Network
Constellation	Merced Irrigation District	Utility Specialists
Constellation New Energy	Mirant	Vandenberg Air Force
Consumer Federation of California	Modesto Irrigation District	Verizon
Crossborder Energy	Morgan Stanley	Wellhead Electric Company
Davis Wright Tremaine LLP	Morrison & Foerster	Western Manufactured Housing Communities Association (WMA)
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Day Carter Murphy	New United Motor Mfg., Inc.	eMeter Corporation
Defense Energy Support Center	Norris & Wong Associates	
Department of Water Resources	North Coast SolarResources	