



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;
- 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;
- c. who require PG&E to provide reserve capacity and stand ready at all times to supply electricity on an irregular or noncontinuous basis; (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; or (T)
- e. who have one or more generating units certified under the California System Operator (CAISO) tariffs for which the customer Self-Supplies Station Load by netting any energy deliveries against Station Power in a given month, subject to the provisions of Special Condition 15 below. (N)
 |
 |
 (N)

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 10 of this tariff.

Customers whose: (T)

- a. premises are 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. regular non-utility source of supply is subject to an extended outage as defined under Special Condition 8, (T)

will receive service under one of PG&E's other applicable rate schedules.

However, this service will be provided subject to the provisions of Special Conditions 1 through 6 and 8 through 9 below, and reservation charges as specified under Section 1 will also be applicable. (T)

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.

(Continued)



ELECTRIC SCHEDULE S
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Sheet 2

TERRITORY: PG&E's entire service territory. (L)

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. (L)

DEFINITION OF SERVICE VOLTAGE:

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.

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:

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.

* 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.)

TOTAL RATES

	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)	\$3.05 (I)	\$3.03 (I)	\$0.92 (R)
<u>Total Energy Rates (\$ per kWh)</u>			
Peak Summer	\$0.45253 (I)	\$0.45438 (I)	\$0.09532 (R)
Part-Peak Summer	\$0.24339 (I)	\$0.24503 (I)	\$0.09173 (R)
Off-Peak Summer	\$0.15811 (I)	\$0.15978 (I)	\$0.07808 (R)
Part-Peak Winter	\$0.12990 (R)	\$0.12952 (R)	\$0.09035 (R)
Off-Peak Winter	\$0.10727 (R)	\$0.10856 (R)	\$0.07952 (R)
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>			
Generation	\$0.36 (I)	\$0.32 (I)	\$0.26 (I)
Distribution**	\$2.23 (I)	\$2.25 (I)	\$0.20 (R)
Transmission*	\$0.46 (R)	\$0.46 (R)	\$0.46 (R)
Reliability Services*	\$0.00 (R)	\$0.00 (R)	\$0.00 (R)
<u>Energy Rate by Components (\$ per kWh)</u>			
Generation:			
Peak Summer	\$0.07107 (R)	\$0.06942 (R)	\$0.05721 (R)
Part-Peak Summer	\$0.06532 (R)	\$0.06499 (R)	\$0.05362 (R)
Off-Peak Summer	\$0.04784 (R)	\$0.04805 (R)	\$0.03997 (R)
Part-Peak Winter	\$0.06452 (R)	\$0.06302 (R)	\$0.05224 (R)
Off-Peak Winter	\$0.04953 (R)	\$0.04975 (R)	\$0.04141 (R)
Distribution**:			
Peak Summer	\$0.33899 (I)	\$0.34154 (I)	\$0.00000
Part-Peak Summer	\$0.13560 (I)	\$0.13662 (I)	\$0.00000
Off-Peak Summer	\$0.06780 (I)	\$0.06831 (I)	\$0.00000
Part-Peak Winter	\$0.02291 (R)	\$0.02308 (R)	\$0.00000
Off-Peak Winter	\$0.01527 (R)	\$0.01539 (R)	\$0.00000
Transmission* (all usage)	\$0.00909 (R)	\$0.00909 (R)	\$0.00909 (R)
Transmission Rate Adjustments* (all usage)	(\$0.00027) (R)	(\$0.00027) (R)	(\$0.00027) (R)
Reliability Services* (all usage)	(\$0.00017) (R)	(\$0.00017) (R)	(\$0.00017) (R)
Public Purpose Programs (all usage)	\$0.01834 (I)	\$0.01929 (I)	\$0.01398 (I)
Nuclear Decommissioning (all usage)	\$0.00055 (R)	\$0.00055 (R)	\$0.00055 (R)
Competition Transition Charges	\$0.00311 (R)	\$0.00311 (R)	\$0.00311 (R)
Energy Cost Recovery Amount (all usage)	\$0.00504 (I)	\$0.00504 (I)	\$0.00504 (I)
DWR Bond (all usage)	\$0.00513 (I)	\$0.00513 (I)	\$0.00513 (I)
New System Generation Charge(all usage)**	\$0.00165 (N)	\$0.00165 (N)	\$0.00165 (N)

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

** Distribution and New System Generation Charges are combined for presentation on customer bills.

(N)

(Continued)



ELECTRIC SCHEDULE S
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Sheet 4

RATES
 (Cont'd.)

Meter and Customer Charges:*
 (\$/meter/day)

Customer Class	Customer Charge	TOU or Load Profile Meter Charge
Residential	\$0.16427	\$0.12813
Agricultural	\$0.52567	\$0.19713
Small Light and Power (Reservation Capacity ≤ 50 kW)		
Single Phase Service	\$0.32854 (I)	\$0.20107
PolyPhase Service	\$0.65708 (I)	\$0.20107
Medium Light and Power (Reservation Capacity > 50 kW and < 500 kW)	\$4.59959 (I)	\$0.17741
Medium Light and Power (Reservation Capacity ≥ 500 kW and < 1000 kW)		
Transmission	\$59.13758 (I)	—
Primary	\$32.85421 (I)	—
Secondary	\$19.71253 (I)	—
Large Light and Power (Reservation Capacity ≥ 1000 kW)		
Transmission	\$65.70842 (I)	—
Primary	\$49.28131 (I)	—
Secondary	\$32.85421 (I)	—
Supplemental Standby Service Meter Charge	—	\$6.11088

* All Meter and Customer charges are assigned to distribution.

(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 8 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. (D)

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:

Small Light and Power (Reservation Capacity ≤ 50 kW)	\$0.47014 (I)
Medium Light and Power (Reservation Capacity > 50 kW and < 500 kW)	\$2.45971 (I)
Medium and Large Light and Power (Reservation Capacity > 500 kW and < 1000 kW served at transmission voltage and Reservation Capacity ≥ 1,000 kW served at transmission or primary voltage)	\$39.65122 (I)

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.

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.

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:
 - 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)
- 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. (L)
 (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. 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. (D)
8. **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. (D)
 (T)

(Continued)



ELECTRIC SCHEDULE S
STANDBY SERVICE

Sheet 13

SPECIAL
 CONDITIONS:
 (Cont'd.)

9. **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.

10. **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." 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.

(D)

See electric Rule 1 for the criteria to be considered a Distributed Energy Resources and for limitations on this standby service exemption.

(N)
 (N)

11. **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.

(Continued)



ELECTRIC SCHEDULE S
STANDBY SERVICE

Sheet 14

SPECIAL
 CONDITIONS:
 (Cont'd.)

12. **BILLING:** A customer's bill is calculated based on the option applicable to the customer.

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 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 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.

	<u>DA / CCA CRS</u>	
Energy Cost Recovery Amount Charge (per kWh)	\$0.00504	(I)
DWR Bond Charge (per kWh)	\$0.00513	(I)
CTC Charge (per kWh)	\$0.00311	(R)
Power Charge Indifference Adjustment (per kWh)		
Pre-2009 Vintage	(\$0.00307)	(I)
2009 Vintage	\$0.00739	
2010 Vintage	\$0.00800	
2011 Vintage	\$0.00800	

13. **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.

14. **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.

(Continued)



ELECTRIC SCHEDULE S
STANDBY SERVICE

Sheet 15

SPECIAL
 CONDITIONS:
 Cont'd.)

15. **STANDBY SERVICE FOR STATION LOAD SELF-SUPPLY:** Standby Service for Station Load Self-Supply permits customers operating a generating unit under the California ISO (CAISO) tariff, Station Power Protocol (SPP) subject to the conditions described below, to net any energy deliveries against Station Power in a calendar month. (See defined terms at the end of this special condition.) This Special Condition 15 does not apply to and does not modify other tariff charges or conditions on permitted netting as defined by CAISO, FERC Electric Tariff, Replacement Vol. No. 1, Section 10.1.3 (as amended from time to time). (N)
- a) **Eligibility:** To be eligible for this Special Condition, a generating unit supplying Station Power must be:
- i) located in the CAISO control area, and
 - ii) a part of a CAISO-approved Station Power Portfolio.
- b) **Charges:** If a generating unit in the station power portfolio requires the use of the CAISO-controlled transmission facilities and/or PG&E's distribution facilities, it will be subject to applicable retail standby charges.
- i) On-Site Self-Supply:
 If there is a Net Positive Output in a given Netting Period, the customer shall not be assessed standby charges for that month under this Schedule S.

 Otherwise, if there is a Net Negative Output in a given Netting Period, see (iii) *Third Party Supply* below.
- ii) Remote Self-Supply:
 If there is a Net Positive Output in a given netting period and:
- If Station Load is being served by one or more off-site generating facilities within the Station Power Portfolio and *all solely employ transmission voltages* in the delivery of power to serve the customer's Station Load, then it is exempt from retail Standby charges including Non-Bypassable Charges (NBC). For situations where a station power load is connected by means of a non-CAISO-controlled, FERC-jurisdictional generation-tie facility (including a transmission line and associated equipment) and does not employ PG&E's local distribution facilities, no retail standby charges are applicable. Generation-tie facility must have been fully paid for by the SPP Customer or a prior owner including the monthly Cost of Ownership. Transmission costs are collected through CAISO-imposed Transmission Access Charge (TAC).
 - If PG&E *distribution* facilities were actually employed to serve Station Load, then distribution charges including NBCs will be assessed.
- Otherwise, if there is a Net Negative Output in a given Netting Period, see (iii) *Third Party Supply* below.
- iii) Third Party Supply:
 If there is a Net Negative Output, the customer is responsible for payment of

(Continued)



ELECTRIC SCHEDULE S
STANDBY SERVICE

Sheet 16

SPECIAL
 CONDITIONS:
 (Cont'd.)

15. STANDBY SERVICE FOR STATION LOAD SELF-SUPPLY (Cont'd)
- iii) **Third Party Supply:** (Cont'd.)
 all charges associated with the negative imbalance amount based on Schedule S including the reservation capacity charge as defined in Special Condition 1 of this Schedule. No special treatment is accorded to Third Party Supply SPP option.
 - c) **Agreement:** Customers participating in the CAISO SPP must sign PG&E's Special Agreement for Electrical Standby Service for Station Self-Supply (Form 79-285).
 - d) **Commencement of Rate:** Customers requesting service under SPP are required to notify PG&E of their eligibility for this service by submitting the above agreement. Eligible customers shall be billed under this Special Condition 15 after written receipt and approval of the customer's SPP agreement, or on the date of verification by PG&E of customer's eligibility under the SPP.
 - e) **Eligibility Change Notice:** It is the customer's responsibility to notify PG&E if there is a change in the customer's eligibility status. The customer must notify PG&E within ten (10) business days from the date that there is any change in the customer's eligibility under Schedule S, Special Condition 15. Customers shall be re-billed during periods of ineligibility under the provisions of retail standby service under Schedule S.
 - f) **Verification:** Information provided by the customer is subject to verification by PG&E. Refusal or failure of a customer to provide eligibility information upon request by PG&E in the form of written approval or certification by the CAISO shall delay the provisions of service under Special Condition 15.
 - g) **Billing:** All customer usage will be based on metered data in a Netting Period.

 Meter data allocated to On-Site Self-Supply load ID, Remote Self-Supply load ID, and Third Party Supply load ID, which is used for billing under Special Condition 15, is provided by the CAISO and is not subject to additional PG&E data validation.
 - i) **Metering:** Prior to receiving service under Special Condition 15, the customer shall:
 - i) Provide, own, install, and maintain all facilities necessary to accommodate any metering equipment specified by PG&E including any additional metering if the customer serves any non-Station Power load, and
 - ii) Provide consent to enable PG&E to receive the customer's metered data from the CAISO, including metered data for load associated with the On-Site Self-Supply Load ID, Remote Self-Supply Load ID, and Third Party Load ID. Such metered data received by PG&E from the CAISO shall be in acceptable format for billing under this Schedule.

(Continued)



ELECTRIC SCHEDULE S
STANDBY SERVICE

Sheet 17

SPECIAL
 CONDITIONS:
 (Cont'd.)

15. STANDBY SERVICE FOR STATION LOAD SELF-SUPPLY (Cont'd)

j) **Notice of Pending Appeal:** Currently, an appeal of the Federal Energy Regulatory Commission's (FERC's) June 22, 2005 and related orders is pending before the U.S. Court of Appeals for the D.C. Circuit (D.C. Circuit appeal) related to this section. A Customer eligible for SPP and taking service under this Special Condition 15, must acknowledge its obligation to and agreement to pay charges consistent with the resolution of the D.C. Circuit appeal, including subsequent decisions on appeal or remand, if any, for any time after the later of April 1, 2006 or when the Customer received CAISO certification to operate under SPP. Appropriate payment constitutes the final amount calculated commencing from the date when the Customer received CAISO certification to operate under SPP until the effective date of CPUC jurisdictional standby tariffs that reflect the resolution of the D.C. Circuit appeal. Any payments owed PG&E resulting from the reconciliation will not include interest except as specifically ordered in the clarifying tariffs.

k) **Definitions:**

Net Output: The gross energy output from a generating unit less the Station Power requirements for such generating unit during the Netting Period, or the energy available to provide Remote Self-Supply from a generating facility in another control area during the monthly Netting Period.

Net Negative Output: The Net Output over the netting period is negative, that is, over the netting period either On-Site Self-Supply, or Remote Self-Supply provides less than all (<100%) of the customer's Station Power requiring it to draw on Third Party Supply.

Net Positive Output: The Net Output over the netting period is positive, that is, over the netting period the customer relies only on either On-Site Self-Supplies, or Remote Self-Supplies for all (100%) of its Station Power.

Netting Period: A calendar month representing the interval over which the Net Output of one or many generating resources in a Station Power Portfolio is available to be attributed to the self-supply of the Station Power in that Station Power Portfolio.

On-Site Self-Supply: Energy from a generating unit that is deemed to have Self-Supplied all or a portion of its Station Power load without use of the CAISO-controlled grid during the Netting Period.

On-Site Self-Supply Load ID: A load ID established by CAISO and associated with the Station Power Portfolio's scheduling coordinator. This Load ID will be used by CAISO after the Netting Period to identify Station Power load that was supplied on-site by a generating unit within the SPP.

Remote Self-Supply: Positive Net Output from generating resources in the Station Power Portfolio that is deemed to have Self-Supplied Station Power load of other generating units in the Station Power Portfolio during the Netting Period, where such self-supply requires the use of the CAISO-controlled grid.

(Continued)



ELECTRIC SCHEDULE S
STANDBY SERVICE

Sheet 18

SPECIAL
 CONDITIONS:
 (Cont'd.)

15. STANDBY SERVICE FOR STATION LOAD SELF-SUPPLY (Cont'd)

k) **Definitions:** (Cont'd)

Remote Self-Supply Load ID: A Load ID established by CAISO and associated with the Station Power Portfolio's scheduling coordinator. This load ID will be used by CAISO after the Netting Period to identify Station Power load that was remotely supplied by a generating unit within the Station Power Portfolio.

Self-Supply: Generating units within a Station Power Portfolio providing generation to serve Station Power load within the Station Power Portfolio either through On-Site Self-Supply or Remote Self-Supply.

Station Power: Energy for operating electric equipment, or portions thereof, located on the generating unit site owned by the same entity that owns the generating unit, which electrical equipment is used exclusively for the production of energy and any useful thermal energy associated with the production of energy by the generating unit; and for the incidental heating, lighting, air conditioning and office equipment needs of buildings, or portions thereof that are owned by the same entity that owns the generating unit; located on the generating unit site; and used exclusively in connection with the production of energy and any useful thermal energy associated with the production of energy by the generating unit. Station Power includes the energy associated with motoring a hydroelectric generating unit to keep the unit synchronized at zero real power output to provide regulation or spinning reserve. Station Power does not include any energy used to power synchronous condensers; used for pumping at a pumped storage facility; or provided during a black start procedure. Station Power does not include energy used to serve loads outside the CAISO-controlled grid.

Station Power Portfolio: One or more generation resources eligible to self-supply Station Power, including generating units in the CAISO control area and generating facilities outside of the CAISO control area, all of which are owned by the same entity.

Third-Party Supply: Energy that is deemed to have been purchased from third parties to supply Station Power load during the Netting Period.

Third-Party Supply ID: A Load ID established by CAISO. This Load ID will be used by CAISO after the Netting Period to identify Station Power load that was supplied from a third party.

(N)