



**ELECTRIC SCHEDULE S
STANDBY SERVICE**

Sheet 2

APPLICABILITY: Customers whose:
(Cont'd.)

- 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
- b. regular non-utility source of supply is subject to an extended outage as defined under Special Condition 8,

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.

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.

For customers with in Front of The Meter (FTM) storage devices who will at any time charge using grid power and require station service, PG&E's Schedule E-STORE also applies. FTM storage applications are where all energy discharged from the storage device, less its station load, is intended for grid export. Existing storage installations with station service requirements must also take charging service under Schedule E-STORE, including pilot storage facilities, storage facilities with only station load, as well as energy storage collocated with another generator within the same service delivery point.

Decision 18-08-013 adopted new TOU periods for all non-residential customer classes. These rates are expected to become available on an opt-in basis beginning November 1, 2019. Beginning on the date of the availability of the rate with new TOU periods, Schedule S will be closed to all new enrollment. At that time, Schedule SB, with revised TOU periods, will be available for voluntary enrollment. Beginning on March 2021, customers still served on Schedule S will be transitioned to Schedule SB as discussed below. (T)

Beginning on March 2021, Schedule SB will become mandatory for customers served on this schedule. The transition of customers to new Schedule SB with revised TOU periods will occur on the start of the customer's March billing cycle. Customers will have at least 45 days' notice prior to being transitioned to Schedule SB, during which they will continue to take service on this rate schedule. (T)

During the period the new rates with revised TOU periods are available on a voluntary basis for qualifying customers, from November 1, 2019 through February 28, 2021, customers who have opted in to the revised TOU periods, may opt out of the revised TOU periods and return to a legacy electric rate schedule with the legacy TOU periods listed in the special condition for "Definition of Time Periods" in this tariff, for the remainder of the period that the new rates with revised TOU periods are voluntary. Opting out of the revised TOU periods before they become mandatory is available on a one-time basis. If the customer opts-out of a new rate with the revised TOU periods less than twelve months before the revised TOU periods become mandatory, the customer may not return to a rate with the revised TOU periods until they become mandatory (N)

(Continued)



**ELECTRIC SCHEDULE S
STANDBY SERVICE**

Sheet 4

RATES: (Cont'd.)

TOTAL BUNDLED 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)	\$15.80	(I)	\$15.80	(I)	\$2.17	(R)
<u>Total Energy Rates (\$ per kWh)</u>						
Peak Summer	\$1.24097	(I)	\$1.24673	(I)	\$0.20576	(R)
Part-Peak Summer	\$0.52382	(I)	\$0.52958	(I)	\$0.17799	(R)
Off-Peak Summer	\$0.16562	(R)	\$0.17138	(R)	\$0.14125	(R)
Part-Peak Winter	\$0.22604	(R)	\$0.23180	(R)	\$0.18236	(R)
Off-Peak Winter	\$0.18069	(R)	\$0.18645	(R)	\$0.15414	(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	\$0.81		\$0.81		\$0.68	
Distribution**	\$13.85	(I)	\$13.85	(I)	\$0.35	(R)
Transmission*	\$1.14		\$1.14		\$1.14	
Reliability Services*	\$0.00		\$0.00		\$0.00	
<u>Energy Rate by Components (\$ per kWh)</u>						
Generation:						
Peak Summer	\$0.18478		\$0.18478		\$0.15168	
Part-Peak Summer	\$0.15161		\$0.15161		\$0.12391	
Off-Peak Summer	\$0.10818		\$0.10818		\$0.08717	
Part-Peak Winter	\$0.15689		\$0.15689		\$0.12828	
Off-Peak Winter	\$0.12325		\$0.12325		\$0.10006	
Distribution**:						
Peak Summer	\$0.99875	(I)	\$0.99875	(I)	\$0.00000	
Part-Peak Summer	\$0.31477	(I)	\$0.31477	(I)	\$0.00000	
Off-Peak Summer	\$0.00000		\$0.00000		\$0.00000	
Part-Peak Winter	\$0.01171	(I)	\$0.01171	(I)	\$0.00000	
Off-Peak Winter	\$0.00000		\$0.00000		\$0.00000	

* 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.

(Continued)

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Decision

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April 1, 2024



**ELECTRIC SCHEDULE S
STANDBY SERVICE**

Sheet 5

RATES: (Cont'd.)

UNBUNDLING OF TOTAL RATES (Cont'd.)

	Secondary Voltage		Primary Voltage		Transmission Voltage
Energy Rate by Components (\$ per kWh) (Cont'd.)					
Transmission* (all usage)	\$0.01769		\$0.01769		\$0.01769
Transmission Rate Adjustments* (all usage)	(\$0.00160)		(\$0.00160)		(\$0.00160)
Reliability Services* (all usage)	\$0.00004		\$0.00004		\$0.00004
Public Purpose Programs (all usage)	\$0.02368	(R)	\$0.02759	(R)	\$0.02142 (R)
Nuclear Decommissioning (all usage)	(\$0.00259)		(\$0.00259)		(\$0.00259)
Competition Transition Charges	\$0.00071		\$0.00071		\$0.00071
Energy Cost Recovery Amount (all usage)	(\$0.00003)		(\$0.00003)		(\$0.00003)
Wildfire Fund Charge (all usage)	\$0.00561		\$0.00561		\$0.00561
New System Generation Charge (all usage)**	\$0.00609		\$0.00609		\$0.00609
California Climate Credit (all usage)***	\$0.00000		\$0.00000		\$0.00000
Wildfire Hardening Charge (all usage)	\$0.00221		\$0.00406		\$0.00111
Recovery Bond Charge (all usage)	\$0.00597		\$0.00597		\$0.00597
Recovery Bond Credit (all usage)	(\$0.00597)		(\$0.00597)		(\$0.00597)
Bundled Power Charge Indifference Adjustment (all usage)****	\$0.00563		\$0.00563		\$0.00563

* 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.

*** Only customers that qualify as Small Businesses – California Climate Credit under Rule 1 are eligible for the California Climate Credit.

**** Direct Access, Community Choice Aggregation and Transitional Bundled Service Customers pay the applicable Vintaged Power Charge Indifference Adjustment. Generation and Bundled PCIA are combined for presentation on bundled customer bills.

(Continued)

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**ELECTRIC SCHEDULE S
STANDBY SERVICE**

Sheet 6

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	\$0.90678		\$0.19713
Small Light and Power (Reservation Capacity ≤ 75 kW)			
Single Phase Service	\$0.32854		\$0.20107
PolyPhase Service	\$0.82136		\$0.20107
Medium Light and Power (Reservation Capacity > 75 kW and < 500 kW)	\$11.84909	(I)	\$0.17741
Medium Light and Power (Reservation Capacity ≥ 500 kW and < 1000 kW)			
Transmission	\$140.70819	(I)	—
Primary	\$90.66761	(I)	—
Secondary	\$59.68801	(I)	—
Large Light and Power (Reservation Capacity ≥ 1000 kW)			
Transmission	\$474.66788	(I)	—
Primary	\$116.99063	(I)	—
Secondary	\$112.29298	(I)	—
Supplemental Standby Service Meter Charge	—		\$6.11088

* All Meter and Customer charges are assigned to distribution.

(Continued)



**ELECTRIC SCHEDULE S
STANDBY SERVICE**

Sheet 10

**SPECIAL
CONDITIONS:**

1. **RESERVATION CAPACITY:** The Reservation Capacity to be used for billing 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. (L)

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;
- 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
- 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. (L)

(Continued)



**ELECTRIC SCHEDULE S
STANDBY SERVICE**

Sheet 11

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:
- 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.
 - 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.

Those customers operating 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.

(T)

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;
- 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
- c. The generator equipment limits for operating voltages and plus and minus VARs.

(Continued)

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**ELECTRIC SCHEDULE S
STANDBY SERVICE**

Sheet 12

SPECIAL
CONDITIONS:
(Cont'd.)

2. REACTIVE DEMAND CHARGE (Cont'd)

Customers operating 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: (T)

- 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.
- 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.
- 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.

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)

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		<i>Vice President, Regulatory Affairs</i>	<i>Resolution</i>	<u></u>



**ELECTRIC SCHEDULE S
STANDBY SERVICE**

Sheet 14

SPECIAL
CONDITIONS:
(Cont'd.)

7. SUPPLEMENTAL STANDBY SERVICE (BACKUP REQUIREMENTS):

- a. Schedule E-19 and Schedule E-20 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 the appropriate metering is installed to separately record 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.
- 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 or E-20 charges, including the Customer Charge, for their supplemental power use.
- 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.

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.

- 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 thirty (30) days, 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 not continue to apply to the customer's bill for the duration of the outage. However, all charges from the indicated otherwise-applicable tariff will apply.

(T)

(Continued)

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**ELECTRIC SCHEDULE S
STANDBY SERVICE**

Sheet 15

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. (L)

- 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.

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

- 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. (L)

(Continued)



**ELECTRIC SCHEDULE S
STANDBY SERVICE**

Sheet 16

SPECIAL
CONDITIONS:
(Cont'd.)

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

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

Transitional Bundled Service (TBS) Customers take TBS as prescribed in Rules 22.1 and 23.1, or take PG&E bundled service prior to the end of the six (6) month advance notice period required to elect PG&E bundled service as prescribed in Rules 22.1 and 23.1. TBS customers shall pay all charges shown in the Unbundling of Total Rates except for the Bundled Power Charge Indifference Adjustment and the generation charge. TBS customers shall also pay for their applicable Vintaged Power Charge Indifference Adjustment provided in the table below, and the short-term commodity prices as set forth in Schedule TBCC.

Direct Access (DA) and Community Choice Aggregation (CCA) Generation Service Customers purchase energy from their non-utility provider and continue receiving delivery services from PG&E. These customers shall pay all charges shown in the Unbundling of Total Rates except for the Bundled Power Charge Indifference Adjustment and the generation charge. These customers shall also pay for their applicable Vintaged Power Charge Indifference Adjustment provided in the table below, the franchise fee surcharge provided in Schedule E-FFS, and the Generation Service from their non-utility provider. Exemptions to charges for DA and CCA customers are set forth in Schedules DA CRS and CCA CRS.

Vintaged Power Charge Indifference Adjustment (per kWh)	Rate	
2009 Vintage	\$0.00529	(I)
2010 Vintage	\$0.00796	(I)
2011 Vintage	\$0.00853	(I)
2012 Vintage	\$0.00821	(I)
2013 Vintage	\$0.00834	(I)
2014 Vintage	\$0.00814	(I)
2015 Vintage	\$0.00812	(I)
2016 Vintage	\$0.00796	(I)
2017 Vintage	\$0.00777	(I)
2018 Vintage	\$0.00675	(I)
2019 Vintage	\$0.00530	(I)
2020 Vintage	\$0.00506	(I)
2021 Vintage	(\$0.00362)	(I)
2022 Vintage	\$0.00061	(I)
2023 Vintage	\$0.00563	(I)
2024 Vintage	\$0.00563	(I)

(Continued)

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**ELECTRIC SCHEDULE S
STANDBY SERVICE**

Sheet 17

SPECIAL
CONDITIONS:
(Cont'd.)

13. **WILDFIRE FUND CHARGE:** The Wildfire Fund Charge was imposed by California Public Utilities Commission Decisions 19-10-056, 20-07-014, 20-09-005, and 20-09-023 and is property of Department of Water Resources (DWR) for all purposes under California law. The Charge became effective October 1, 2020, and applies to all retail sales, excluding CARE and Medical Baseline sales. The Wildfire Fund Charge (where applicable) is included in customers' total billed amounts. The Wildfire Fund Charge replaces the DWR Bond Charge imposed by California Public Utilities Commission Decisions 02-10-063 and 02-12-082.

14. **SCHEDULED MAINTENANCE:** Customers may be allowed to place maintenance load on the distribution system during mutually agreed times (Scheduled Maintenance). The electric demand (kW) incurred during the mutually agreed scheduled maintenance period will be waived. 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.

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(T)

15. **STANDBY SERVICE FOR STATION LOAD SELF-SUPPLY:** Standby Service for Station Load Self-Supply permits customers operating an On-Site Self-Supply generating unit under the CAISO tariff, Station Power Protocol (SPP) subject to the conditions described below, to determine if transmission charges apply based on the CAISO meter registration in a calendar month. All other charges apply, including distribution charges, meter charges, applicable non-bypassable charges, and assessments. (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, Federal Energy Regulatory Commission (FERC) Electric Tariff, Replacement Vol. No. 1, Section 10.1.3 (as amended from time to time).

- a) **Eligibility:** To be eligible for this Special Condition, a generating unit supplying Station Power must be:
 - i) On-Site Self-Supply Only: Remote-Self-Supply and Third Party are not applicable; and
 - ii) located in the CAISO control area, and
 - iii) 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 all applicable retail standby charges. Generating units that do not use either the CAISO-controlled transmission facilities and/or PG&E's facilities will be subject to all applicable retail charges (except for the Transmission Access Charge (TAC)) if, in a calendar month, deliveries to the grid exceed station power usage.

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**ELECTRIC SCHEDULE S
STANDBY SERVICE**

Sheet 18

SPECIAL
CONDITIONS:
(Cont'd.)

15. STANDBY SERVICE FOR STATION LOAD SELF-SUPPLY (Cont'd) (L)
- 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.
 - h) **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 and shall be in acceptable format for billing under this Schedule.

(Continued)



**ELECTRIC SCHEDULE S
STANDBY SERVICE**

Sheet 19

SPECIAL
CONDITIONS:
(Cont'd.)

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

(L)

i) **Charges Subject to Change:** The charges applicable to CAISO SPP-certified generators are subject to change as directed by CAISO/FERC orders.

j) **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.

(L)

(Continued)



**ELECTRIC SCHEDULE S
STANDBY SERVICE**

Sheet 20

SPECIAL
CONDITIONS:
(Cont'd.)

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

j) Definitions: (Cont'd)

(T)

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.

16. LOW VARIABILITY MICROGRID STANDBY CUSTOMER ELIGIBILITY

(N)

A Low Variability Microgrid Standby Customer is a customer who operates a microgrid interconnected under Electric Rule 21 and under a retail tariff where the microgrid's generation and storage resources meet the following performance standards, including resources that use natural gas as a fuel:

Variability:

- a. Capacity Factor of the microgrid as a whole is greater than 85 percent or Self-Supply Factor of the microgrid as a whole is greater than 85 percent; and
- b. Availability of the microgrid as a whole is greater than 95 percent.

(N)

(Continued)



**ELECTRIC SCHEDULE S
STANDBY SERVICE**

Sheet 21

SPECIAL
CONDITIONS:
(Cont'd.)

16. LOW VARIABILITY MICROGRID STANDBY CUSTOMER ELIGIBILITY
(Cont'd)

(N)

Emissions:

- a. Non-renewable microgrid resources shall each individually comply with the emissions standards adopted by the State Air Resources Board pursuant to the distributed generation certification program requirements of Section 94203 of Title 17 of the California Code of Regulations, or any successor regulation, regardless of if the resource is required to obtain certification, pursuant to the California Air Resources Board (CARB) distributed generation program.
- b. Non-renewable resources have the technical capacity to operate using at least one renewable fuel, such as, but not limited to, renewable natural gas, biogas, and green hydrogen at the time of application for the suspension.
- c. Microgrid customers utilizing non-renewable resources must commit at the time of application for the suspension to converting to and exclusively utilizing renewable fuels, as reasonably feasible and practicable, by December 31, 2030.
- d. Microgrid customers utilizing non-renewable resources must submit the following information to PG&E on their progress to transitioning to renewable fuels: a) status of renewable fuel use by percentage at the time of the report and b) activities under way for procurement of renewable fuels for all use by the microgrid by December 31, 2030. Customers must submit this report to PG&E by January 1, 2025.

The microgrid customer must not have received, or be expected to receive, an incentive payment through the Self-Generation Incentive Program unless it can demonstrate incremental benefit.

Definitions:

- a. Capacity Factor: ratio of energy actually produced by a generating unit to the maximum amount of energy it could produce over the course of a year.
- b. Self-Supply Factor: ratio of electricity actually produced by the customer's microgrid to the total amount of electricity consumed at Customer's site, regardless of source, over the course of a year.
- c. Availability: the number of hours a resource is able to produce electricity or available to produce electricity divided by the total hours in a year.
- d. Non-renewable resources: resources that are not defined as renewable in the latest version of the California Energy Commission's Renewables Portfolio Standard Eligibility Guidebook and the Overall Program Guidebook.

(N)

(Continued)



**ELECTRIC SCHEDULE S
STANDBY SERVICE**

Sheet 22

SPECIAL
CONDITIONS:
(Cont'd.)

16. LOW VARIABILITY MICROGRID STANDBY CUSTOMER ELIGIBILITY
(Cont'd)

(N)

Documentation required for Customer to demonstrate eligibility for treatment as a Low Variability Microgrid Standby Customer, consistent with the following:

- a. The microgrid customer is not required to demonstrate how they would physically separate their system from PG&E's distribution system or reduce load in the event their on-site microgrid generators are unable to serve load and in order to prevent their load from being served by the utility distribution system and avoid overloading the utility system.
- b. For demonstrating compliance with the microgrid performance criteria, Customer may submit independently verified, reputable third-party bench test data over a shorter time period that when extrapolated would meet the performance standards, real-time operating performance data from substantially similar equipment meeting the performance standards, and actual real-time operating performance data documenting that Customer's operation of the microgrid continues to comply with the microgrid performance standards semi-annually thereafter.
- c. For demonstrating compliance with the first emissions criterion, stated above, PG&E must accept independently verified, reputable third-party bench test data meeting the emissions standards or certification from CARB.
- d. For demonstrating compliance with the second emissions criterion stated above, PG&E must accept the manufacturer's credible documentation of the ability of the equipment to operate using one or more renewable fuels while meeting all applicable performance standards.
- e. For demonstrating compliance with the third emissions criterion stated above, language stating the Customer's commitment for its microgrid to use renewable fuel by December 31, 2030, if reasonably practicable and feasible. Customer must submit a progress report to PG&E on their activities to meet this commitment by January 1, 2025.

(N)

(Continued)

Advice 6364-E-A
Decision D.21-07-011

Issued by
Meredith Allen
Vice President, Regulatory Affairs

Submitted
Effective
Resolution

January 20, 2023
June 16, 2023



**ELECTRIC SCHEDULE S
STANDBY SERVICE**

Sheet 23

SPECIAL
CONDITIONS:
(Cont'd.)

16. LOW VARIABILITY MICROGRID STANDBY CUSTOMER ELIGIBILITY
(Cont'd)

(N)

Documentation required for Customer to demonstrate eligibility for treatment as a Low Variability Microgrid Standby Customer, consistent with the following (Cont'd):

- a. The customer shall annually, upon both application and renewal, provide the utilities with either: (a) certification from the CARB that the microgrid resource receiving a standby charge exemption continues to be certified, or has been re-certified, by the State Air Resources Board pursuant to the distributed generation certification program requirements of Section 94203 of Title 17 of the California Code of Regulations, or any successor regulation; or (b) independently verified, reputable third-party bench test data demonstrating that the resource continues to meet the emissions standards adopted by the State Air Resources Board pursuant to the distributed generation certification Code of Regulations, or any successor regulation ("CARB Emissions Standards"), regardless of if the resource is required to obtain certification. To satisfy (b), the customer may provide to the IOU:
 - 1. the annual emissions report the customer transmits to the customer's local air district;
 - 2. the same information requested of the customer by the Air Pollution Control Officer regarding emissions from the equipment; or
 - 3. an attestation under penalty of perjury that the periodic emissions information they are providing is accurate.

Failure to maintain semi-annual certification of the microgrid performance standards to PG&E shall result in immediate termination from the standby charge suspension.

(N)

(Continued)



**ELECTRIC SCHEDULE S
STANDBY SERVICE**

Sheet 24

SPECIAL
CONDITIONS:
(Cont'd.)

16. LOW VARIABILITY MICROGRID STANDBY CUSTOMER ELIGIBILITY
(Cont'd)

(N)

Agreement: Customers participating in this provision must sign PG&E's Special Agreement for Electrical Standby Service (Form 79-285).

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 PG&E shall delay the provisions of service under Special Condition 15.

Billing: For any month in which the microgrid customer's maximum created demand is below the Capacity Reservation Amount (kW), defined below, the microgrid customer will pay no Standby Reservation Capacity Charge. For any month in which the customer's maximum created demand exceeds the Capacity Reservation Amount, the microgrid customer will pay a Demand Assurance Amount defined as two times the Standby Reservation Capacity Charge.

Capacity Reservation Amount: PG&E shall set the capacity reservation amount at the maximum expected demand in excess of the demand regularly served by the utility based on the best available information. In determining the maximum expected demand, PG&E will consider the documentation provided by the customer to satisfy the performance criteria required by this Special Condition.

Metering: PG&E Metering employed to bill the microgrid account under the provisions of this Special Condition, Low Variability Microgrid Standby Customer, will be at a service point behind which the microgrid is formed.

Microgrid customer is required to provide, own, install and maintain all facilities necessary to accommodate any metering equipment specified by PG&E, including but not limited to net generation output metering (NGOM), and data monitoring equipment. Data from these meters shall provide, at a minimum, monthly values to validate calculations for the operating performance requirement of this schedule S.

(N)