



**ELECTRIC SCHEDULE E-CBP
CAPACITY BIDDING PROGRAM**

Sheet 1

APPLICABILITY: The Capacity Bidding Program (CBP) is a voluntary demand response program that offers third party Aggregators and non-residential self-aggregators incentives for standing by to reduce energy consumption when requested by PG&E, and for actual energy reductions delivered when called upon. CBP is integrated into the California Independent System Operators (CAISO) as a Proxy Demand Resource (PDR). The PDR models the physical characteristics of a resource supplied to the CAISO and is the basis for bidding, awards, dispatch, outages, and settlements. CBP PDRs must comply with the current CAISO Tariff requirements on market participation.

Schedule E CBP is available to PG&E customers receiving bundled service, Community Choice Aggregation (CCA) service, or Direct Access (DA) service and being billed on a PG&E residential, commercial, industrial, or agricultural electric rate schedule. An eligible customer must continue to take service under the provisions of its otherwise applicable schedule (OAS).

Aggregators participating in Schedule E-CBP must comply with the terms of this schedule and associated agreements.

TERRITORY: This schedule is available throughout PG&E's electric service area.

SUBSCRIPTION LIMIT: PG&E reserves the right to limit the subscription amount available to participate in Schedule E-CBP, consistent with Commission guidelines.

ELIGIBILITY: Schedule E-CBP is a Day-Ahead program. An Aggregator with multiple Service Agreements (SAs) may nominate demand reductions for all or a subset of those (SAs) during a single program month. PG&E Customer SA identification is different from the PG&E account number. The SA documents the billing arrangement that includes the rate schedule, billing days, metering information and factors to calculate the energy charges.

Customers that receive electric power from third parties (other than through DA and CCA) and customers billed for full standby service are not eligible for Schedule E-CBP. Eligible customers include those receiving partial standby service or services pursuant to one or more of the Net Energy Metering Service schedules except NEMCCSF.

A non-residential customer may enroll under this Schedule through an Aggregator or may qualify to self-aggregate. A residential customer may only enroll under this Schedule through an Aggregator. An Aggregator is an entity, appointed by a customer, to act on behalf of said customer with respect to all aspects of this Schedule, including but not limited to: (1) the receipt of notices from PG&E under this schedule; (2) the receipt of incentive payments from PG&E; (3) the payment of penalties to PG&E. An Aggregator determines which SAs within their portfolio will be nominated for dispatch.

Residential and non-residential customers that are enrolled in a Third Party Demand Response Provider (DRP) program are not eligible to participate in E-CBP. A non-residential customer on this Schedule may participate in PG&E's E-OBMC program. A residential customer may not participate in any other demand response program. PG&E, acting as a DRP, must be able to register customers' SA who are participating under this Schedule into the CAISO Demand Response Registration System (DRRS), which requires Load Serving Entity (LSE) approval. If PG&E is unable to register the customer's SA and/or the customer's LSE does not allow the customer's SA to be registered, then the customer will be ineligible to participate under this Schedule. Customers in E-CBP may participate in the Emergency Load Reduction Program (ELRP) through their Aggregator as of May 2021 until the pilot ends.

(N)

(N)

Effective January 1, 2019, Schedule E-CBP customers will not be eligible to receive demand response incentives for using a prohibited resource to reduce load during a demand response event, as provided in the Section on the Use of Prohibited Resources within this tariff.

(Continued)

Advice 6160-E
Decision D. 21-03-056

Issued by
Robert S. Kenney
Vice President, Regulatory Affairs

Submitted
Effective
Resolution

April 14, 2021
April 14, 2021



**ELECTRIC SCHEDULE E-CBP
CAPACITY BIDDING PROGRAM**

Sheet 2

**OPTIONS
PRODUCTS
AND BIDDING:**

The program season is May 1 through October 31.

The program days and program hours during the program season are given in the table below, excluding North American Electric Reliability Corporation (NERC) holidays. NERC holidays during the program season are the dates on which the following holidays are legally observed: Memorial Day, Independence Day, and Labor Day. (T)
(T)

If Independence Day falls on a Sunday, then it is recognized the Monday immediately following that Sunday. If Independence Day falls on a Saturday, it remains on that Saturday.

Month	Day	Time	(N)
May	Non-holidays, Monday – Saturday	5 p.m. – 10 p.m.	
June	Non-holidays, Monday – Saturday	4 p.m. – 9 p.m.	
July	Non-holidays, Monday – Saturday	4 p.m. – 9 p.m.	
August	Non-holidays, Monday – Saturday	4 p.m. – 9 p.m.	
September	Non-holidays, Monday – Saturday	4 p.m. – 9 p.m.	
October	Non-holidays, Monday – Friday	4 p.m. – 9 p.m.	(N)

The program prescribes up to six (6) economic events per month or thirty (30) hours per month with up to 3 consecutive event days for the Elect Option and as chosen by the Aggregators, provided that the sixth event, if called, may extend beyond the 30 hours per month cap. Once maximum events per month have been reached, there is no obligation to continue participation to the maximum hours per month; however, additional events may be called either for reliability purposes or as Emergency Only Events. (T)
(T)

An Emergency Only event is defined as an event that is called due to a California Independent System Operator (CAISO) Flex Alert, for which the CAISO has issued a Grid Warning, Alert, or Notice, or the Governor's Office has issued an emergency notice. For example, Sundays, October Saturdays, holidays or after the maximum events per month has been reached or the 4th consecutive event day will be considered Emergency Only Events. There is no limit on the number of Emergency Only Events called. (N)
|
(N)

Non-Emergency weekend events will count toward Maximum Number of Consecutive Event Days, Maximum Number of Events per Month, and Maximum Event Hours per Operating Month for resources nominated for weekend participation. However, participation in emergency only events is voluntary and will not count toward the program events days and hours limits. (T)
(T)

All operating months begin and end at the beginning and ending of its corresponding calendar month.

Aggregators are required at time of nomination to select a program option for each SA.

The following program and products are available:

Elect Option: Open to both residential and non-residential participants. Aggregator nominates monthly capacity amount and selects its own CAISO market bid price within specified operating hours.

The product requirements and selections shown in the tables below are applied at the time of Capacity Nomination.

(Continued)



**ELECTRIC SCHEDULE E-CBP
CAPACITY BIDDING PROGRAM**

Sheet 3

OPTIONS
PRODUCTS AND
BIDDING: (Cont'd.)

Elect Option	Minimum Duration per Event	Maximum Duration per Event	Maximum Event Hours Per Operating Month	Maximum Events Per Day	Maximum Number of Consecutive Event Days	Maximum Number of Events per Month
1-4 Hour	1 hour	4 hours	30+ (Participant can choose more hours during the Operating Hours)	1	3+ (Participant may choose more)	6+ (Participant may choose more)

Bidding Options:

Elect:

- Aggregators must bid every hour during the program Operating Hours (T)
- Aggregators must submit their bids 3 days before trade day
- Bids must meet the Net Benefit Test (NBT) \leq Bid Price \leq \$650/MWh
- CAISO is required to implement a NBT that establishes a price threshold above which DR resource bids are deemed cost effective.

(D)

AGGREGATOR'S
PORTFOLIO:

To add or delete a customer's SAs to or from an Aggregator's portfolio, the Aggregator can submit a Notice to Add or Delete Customers Participating in the Capacity Bidding Program (Form 79-1075), or utilize a PG&E approved electronic enrollment process. PG&E will review and approve each SA before the SA can be included or deleted in an Aggregator's portfolio. Additions to the portfolio will be effective upon PG&E's approval date. Requests for deletions from the portfolio will be effective upon the date indicated on the Delete form or via the electronic de-enrollment process, or upon the first date in which the SA ID is not actively nominated, whichever occurs first. An SA can be included in only one DR program portfolio at a time.

PG&E will assign each CBP customer SA to a CAISO Sub-Load Aggregation Point (Sub-LAP). A CAISO Sub-LAP may change over time. PG&E will provide notice of the Sub-LAP change to the current Aggregator. The effective date of the change will occur at the end of a calendar month.

To initiate the process to be removed from participation under this Schedule, customers can submit an Election To Withdraw (Form 79-1149). Customers electing this option may not join another PG&E Aggregator program, which includes this Schedule and the Base Interruptible Program Schedule (E-BIP) for the remainder of the DR Season (i.e. the calendar months of May through October).

(L)

(L)

(Continued)

Advice 7262-E
Decision D.23-06-029

Issued by
Shilpa Ramaiya
Vice President
Regulatory Proceedings and Rates

Submitted May 8, 2024
Effective June 8, 2024
Resolution



**ELECTRIC SCHEDULE E-CBP
CAPACITY BIDDING PROGRAM**

Sheet 4

AGGREGATOR'S
PORTFOLIO
(Cont'd.) :

The Election To Withdraw from the program under this schedule shall be effective and binding upon the date indicated on the Election To Withdraw form or upon the first date in which the SA ID is not actively nominated, whichever occurs first. If PG&E receives the form after the fifteenth (15th) calendar day of the month, then customer's withdrawal from this program will be effective the following month. PG&E shall notify the customer's current Aggregator of the customer's election once the form has been received and validated. The notice shall include the effective date of withdrawal.

CUSTOMER
SPECIFIC
ENERGY
BASELINE:

To participate under this schedule, a customer must have a valid customer specific energy baseline (CSEB) at least 5 calendar days prior to the first day of the operating month.

CSEB will be valid for purposes of participation if there are at least ten (10) similar days of interval data available in PG&E's system.

Each Capacity Nomination will have its own CSEB based on the aggregated CSEBs of each customer within the nomination. The CSEB on any given day during the program is the sum total of each individual SA's baseline in the nomination. Residential Aggregators have the option to select a 5-in-10 baseline with optional day-of adjustment. Non-residential customers will be evaluated with a 10-in-10 baseline with optional day of adjustment.

For 5-in-10 weekday baseline, each individual SA baseline is the average load for each corresponding hour over the five (5) out of ten (10) past similar weekdays prior to an event day with the highest energy consumed over the event period. The load during each corresponding hour of the five days will be averaged to calculate a baseline for each hour.

For 5-in-10 weekend baseline, each individual service agreement baseline is the weighted average load for each corresponding hour over the three (3) out of five (5) past similar weekend days prior to an event day with the highest energy consumed over the event period, with weights of 50-, 30-, and 20-percent applied to the baseline days in order by most recent.

For 10-in-10 weekday baseline, each individual SA baseline is the average load for each corresponding hour over the immediate past ten (10) similar weekdays prior to an event.

For 10-in-10 weekend baseline, each individual SA baseline is the average load for each corresponding hour over the immediate past four (4) similar weekend days prior to an event. The load during each corresponding hour of the selected days will be averaged to calculate a baseline for each hour.

Similar days for weekday event baselines will consist of days Monday through Friday and similar days for weekend baselines will consist of Saturday and Sunday. Similar days exclude NERC holidays and days prior to the event in which the customer was: 1) subject to an event; 2) subject to an outage; 3) was interrupted or 4) Emergency only event.

(L)
|
(L)

(T)
|
(T)

(D)

(N)

(N)

(Continued)

Advice 7262-E
Decision D.23-06-029

Issued by
Shilpa Ramaiya
Vice President

Submitted
Effective
Resolution

May 8, 2024
June 8, 2024



**ELECTRIC SCHEDULE E-CBP
CAPACITY BIDDING PROGRAM**

Sheet 5

**CUSTOMER
SPECIFIC
ENERGY
BASELINE:
(Cont'd.)**

The day-of adjustment is the ratio of a) the average load of the first three of the four hours prior to the event to b) the average load of the corresponding hours from the past similar days, as discussed above. The day-of adjustment will be limited to +/- 40% of each individual SA baseline in the group, and will be based on the first three of the four hours prior to the start of the event. The day-of adjustment is applied by multiplying it by each hourly baseline value. The Aggregator must elect or opt-in to receive this adjustment on behalf of the customer. The Aggregator is responsible for determining the applicable baseline day-of adjustment amount at the time of a nomination. PG&E will only be responsible for determining the applicable baseline day-of adjustment following each event for the purpose of evaluating customer compliance. If more than one event (either within the same or across multiple programs) occurs on the same day, the day-of adjustment from the event with the earliest start time will be used for the individual SA's events that day requiring a day-of adjustment.

(T)

The hourly load profile on any given day during the program is determined by summing the hour by hour interval data for each of the SAs in the aggregated group.

**CAPACITY
NOMINATIONS:**

Capacity Nominations must be submitted by the 15th of the month prior to the operating month. Aggregators can include only those SAs that are enrolled in their portfolio. Aggregators are required to specify which of its SAs will participate in which of the program options (i.e. Elect), and event duration products (e.g. 1-4 hour), and must provide their Capacity Nomination amount at the Sub-LAP level. These Sub-LAP-level nominations will be used to determine the CSEB and performance during the operating month. The Capacity Nomination cannot be greater than the sum of max demand of the nominated SAs. All Capacity Nominations are fixed for their associated operating months, but capacity nominated may differ between weekdays and weekends.

Resource aggregations of 10 MW and above require telemetry. Aggregators with resource aggregations over 10 MW and above are responsible for coordinating with the CAISO and pay any applicable cost and fees to meet the telemetry requirements.

Alternatively, a larger than 10 MW resource aggregation may be nominated as several sub-10 MW resources to avoid telemetry requirements but still retain performance as one resource.

The Saturday MW nomination value must be greater than or equal to 100kW or 0kW.

(N)

An Aggregator must submit aggregations of customers that include 100 kW or more of load curtailment for each unique combination of:

Product
Sub-LAP

Due to the CAISO requirement that a PDR resource consist of 100 kW or greater, if a nomination is less than 100 kW, the nomination(s) will not be eligible for bidding, and PG&E will notify all impacted Aggregators no later than the 20th of the month prior to the operating month.

Aggregators can combine non-residential and residential customers' SAs in their Capacity Nominations.

(Continued)

Advice 7262-E
Decision D.23-06-029

Issued by
Shilpa Ramaiya
Vice President

Submitted
Effective
Resolution

May 8, 2024
June 8, 2024



**ELECTRIC SCHEDULE E-CBP
CAPACITY BIDDING PROGRAM**

Sheet 6

RATES: The payments under this rate schedule will be determined from the following components.

1. Capacity Price
2. Capacity Payment and Capacity Penalty
3. Energy Payment

CAPACITY PRICE: Capacity Price by Month

<u>Product</u>	<u>May</u>	<u>June</u>	<u>July</u>	<u>August</u>	<u>September</u>	<u>October</u>
Elect	\$5.64/kW	\$6.44/kW	\$17.67/kW	\$23.82/kW	\$14.92/kW	\$7.79/kW

CAPACITY PAYMENT AND CAPACITY PENALTY: All Capacity Payments will be determined for each Capacity Nomination as specified below. The Aggregator will receive Capacity Payments and Capacity Penalties for Bundled, DA, CCA service customers.

(D)
|
(D)

If a CBP Event was not called for a Capacity Nomination during the operating month, then the Capacity Payment for the operating month is equal to the product of Nominated Capacity (adjusted for the sum of the Prohibited Resource Default Adjustment Values) and Capacity Price for the applicable operating month, option, and product.

If one or more CBP Events were called for a Capacity Nomination during the operating month, then the Capacity Payment in the operating month will be determined for each called Capacity Nomination as follows:

(T)

- 1) The Hourly Delivered Capacity for the event hour is equal to the sum of the baselines for each individual SA in the Capacity Nominations called for the event hour minus the sum of the event demands for each individual SA in the Capacity Nominations called for the event hour. The event demand is defined as the energy consumed during the event plus the Prohibited Resource Default Adjustment Value.
- 2) The Hourly Delivered Capacity Ratio for the event hour is the sum of Hourly Delivered Capacity for all Capacity Nominations called for that hour divided by the sum of the Nominated Capacity for all Capacity Nominations called for that hour. When a CBP event is called for one or more Sub-LAPs, the Hourly Delivered Capacity Ratio for the event hour will be calculated on a cumulative basis for Aggregator's performance in all Sub-LAPs that received a Notice of the CBP event for the hour.
- 3) The Hourly Called Capacity for an event hour is the Capacity Nomination value for an event hour minus the sum of its Prohibited Resource Default Adjustment values.
- 4) The Base Capacity Payment for a Capacity Nomination Equals the weekday Nominations, minus the sum of its Prohibited Resources Default Adjustment values, multiplied by the operating month Capacity Price plus the Saturday Nomination, minus the sum of its Prohibited Resource Default Adjustment Values, multiplied by the one-fifth the operating month Capacity Price

(D)

(N)

|
|
|
|
(N)

(Continued)

Advice 7262-E
Decision D.23-06-029

Issued by
Shilpa Ramaiya
Vice President
Regulatory Proceedings and Rates

Submitted	May 8, 2024
Effective	June 8, 2024
Resolution	



**ELECTRIC SCHEDULE E-CBP
CAPACITY BIDDING PROGRAM**

Sheet 7

CAPACITY
PAYMENT AND
CAPACITY
PENALTY
(Cont'd.):

- 5) The Unadjusted Hourly Capacity Payment for a Capacity Nomination equals the ratio of the Hourly Called Capacity for the event hour to the sum of all Hourly Called Capacity that the Capacity Nomination is called for during the operating month, multiplied by the Base Capacity Payment. (N)

Participation during an Emergency only event is entirely voluntary, hence there will be no capacity payment nor any capacity penalty. (N)

- 6) The Adjusted Hourly Capacity Payment/Penalty is determined from the following table: (T)

Hourly Delivered Capacity Ratio	Adjusted Hourly Capacity Payment/Penalty
≥ 1.05 (I)	Adjusted Hourly Capacity Payment = Unadjusted Hourly Capacity Payment * 1.05 (I) Adjusted Hourly Capacity Penalty = 0
≥ 0.75 (R) and < 1.05 (I)	Adjusted Hourly Capacity Payment = Unadjusted Hourly Capacity Payment * Hourly Delivered Capacity Ratio Adjusted Hourly Capacity Penalty = 0
≥ 0.60 (R) and < 0.75 (R)	Adjusted Hourly Capacity Payment = Unadjusted Hourly Capacity Payment * 50% Adjusted Hourly Capacity Penalty = 0
≥ 0 (R) and < 0.60 (R)	Adjusted Hourly Capacity Payment = 0 Adjusted Hourly Capacity Penalty = Unadjusted Hourly Capacity Payment * (0.60 - Hourly Delivered Capacity Ratio)
< 0	Adjusted Hourly Capacity Payment = 0 Adjusted Hourly Capacity Penalty = Unadjusted Hourly Capacity Payment * (0.60) (I)

- 7) The Capacity Payment for the Capacity Nomination is the sum of the Adjusted Hourly Capacity Payment/Penalty for the operating month. (T)

(Continued)



**ELECTRIC SCHEDULE E-CBP
CAPACITY BIDDING PROGRAM**

Sheet 8

**ENERGY
PAYMENT:**

All Energy Payments will be determined separately for each Capacity Nomination.

Energy payments are applicable to both weekday and weekend participation for CBP Market Events. (T)
(T)

If no CBP Market Events were called during the operating month, then the monthly Energy Payment is zero (0). (T)

An Initial Energy Payment will coincide with capacity payments followed by a True Up Energy Payment Adjustment that will be invoiced separately. (N)

The Initial Energy Payment is the sum of each Resource Energy Payment

$$\text{Initial Energy Payment} = \sum_{j=1}^n \text{Resource Energy Payment}_j$$

The Resource Energy Payment will be determined separately for each Capacity Nomination. If one or more CBP Market events were called for a Capacity Nomination, then the Resource Initial Energy Payment will be the Day Ahead awarded energy payment minus energy short fall costs determined as follows:

Resource Energy Payment

$$= \sum_{i=\text{event hour}}^n \left[\frac{(MWh \text{ Called}_i + LMP \text{ DA}_i)}{2} - [(MWh \text{ Called}_i - MWh \text{ Delivered}_i^{\text{capped}}) \times LMP \text{ RTM}_i] \right]$$

$MWh \text{ Called}_i$ = Capacity Nomination MW value for hour

$MWh \text{ Delivered}_i^{\text{capped}}$ = Hourly Delivered Capacity capped between 0 and MWh called

$LMP \text{ DA}$ = Awarded Day Ahead Location Marginal Price for the resource event hour

$LMP \text{ RTM}$ = Real Time Market Price for the resource event hour

The True Up Energy Payment Adjustment is the difference between the Initial Energy Payment and the Wholesale Performance. Wholesale Performance is calculated by netting the day-ahead wholesale energy payment with the real-time wholesale energy settlement, as calculated below: (N)

$$(\text{Price}_{\text{DA}} \times \text{Energy}_{\text{DA}}) - [\text{Price}_{\text{UIE}} \times (\text{Energy}_{\text{DA}} - \text{Energy}_{\text{Delivered}})]$$

Price_{DA} = day-ahead aggregated PNode locational marginal price (LMP) associated with the PDR

$\text{Energy}_{\text{DA}}$ = day-ahead energy award

$\text{Price}_{\text{UIE}}$ = real-time Uninstructed Imbalance Energy (UIE) price

$\text{Energy}_{\text{Delivered}}$ = metered performance

For emergency only events, the energy settlement will be made for performance. However, there will be no charges to the aggregators for nonperformance. (D)
(D)

(Continued)



**ELECTRIC SCHEDULE E-CBP
CAPACITY BIDDING PROGRAM**

Sheet 9

**METERING AND
COMMUNI-
CATIONS
EQUIPMENT:**

Each SA must have an MV90 or SmartMeter™ interval meter capable of recording usage in 15-minute intervals installed that can be read remotely by PG&E. An approved interval meter and/or approved meter communications equipment must be installed and operating prior to participating in the program in order to establish a valid CSEB. See Baseline section for additional details.

A Meter Data Management Agent (MDMA) may also read the customer's meter on behalf of the customer's Electric Service Provider (ESP), if a customer is receiving DA service.

In accordance with CAISO requirements, at least 90 calendar days of historic interval meter data using metering equipment (including telephone line, cellular, or radio control communication device) must be submitted to CAISO for each SA, prior to that SA participating in E-CBP. The meter data must be Revenue Quality Meter Data (RQMD).

(T)

The following options are available if a customer's SA does not already have an approved interval meter or SmartMeter:

- 1) For Bundled Service and CCA service SAs with a maximum demand of 200 kW or greater for three consecutive months in the past 12 billing months, PG&E will provide and install the metering and communication equipment at no cost to the customer.
- 2) For Bundled Service and CCA Service SAs whose maximum billed demand has not exceeded the level specified in item 1 above, the customer can elect one of the following:
 - a. Pay the cost to have PG&E install a non-SmartMeter at the customer's expense pursuant to Electric Rule 2, Special Facilities, or
 - b. Wait until a PG&E SmartMeter is installed and remote-read enabled.
- 3) For Direct Access SAs where PG&E is the MDMA, no incremental fees are required. Metering services shall be provided pursuant to Electric Rule 22.
- 4) For Direct Access SAs where PG&E is not the MDMA, then the customer will be responsible for any and all costs associated with providing PG&E acceptable interval data on a daily basis, including any additional metering, communication equipment, and fees assessed by the customer's Electric Service Provider (ESP). Metering services shall be provided pursuant to Electric Rule 22.

PG&E is not required to install an interval meter and communication equipment or SmartMeter to provide remote read capability if the installation is impractical or not economically feasible.

Prior to customer's participation in the program, the customer must be able to successfully transfer meter data according to PG&E's specification on a daily basis for a period of no less than ten (10) calendar days.

All measurements for the CSEB and performance will be determined using the customer's electric revenue interval meter without loss factor adjustments.

(Continued)

Advice	7194-E-A	Issued by	Submitted	May 3, 2024
Decision	D.23-12-005	Shilpa Ramaiya	Effective	May 1, 2024
		Vice President	Resolution	
		Regulatory Proceedings and Rates		



**ELECTRIC SCHEDULE E-CBP
CAPACITY BIDDING PROGRAM**

Sheet 10

- NOTIFICATION EQUIPMENT:** Aggregators, at their expense, must have: (1) access to the Internet and an e-mail address to receive notification of a CBP Event; and (2) or cellular telephone that is capable of receiving a text message sent via the Internet. An Aggregator cannot participate in the CBP until all of these requirements have been satisfied.
- If a CBP Event occurs, Aggregators will be notified using one or more of the above mentioned systems. It is the responsibility of the Aggregator to notify its aggregated customers.
- PG&E will make best efforts to notify Aggregators; however receipt of such notice is the responsibility of the Aggregator. PG&E does not guarantee the reliability of the e-mail system, or website by which the Aggregator receives notification.
- COORDINATION WITH AUTODR:** In the event a customer in the AutoDR program opts out of a CBP Event, or if the AutoDR notification to the customer's AutoDR enabled equipment fails for any reason, the Aggregator shall not be relieved of its obligation to provide its full Capacity Nominations.
- CONTRACTS AND FORMS:** Aggregators must submit a signed Agreement For Aggregators Participating In The Capacity Bidding Program (Form 79-1076). Aggregators can submit a Notice to Add or Delete Customers Participating in the Capacity Bidding Program (Form 79-1075) signed by the aggregated customer, or utilize a PG&E approved electronic enrollment process, to add or delete a customer from its portfolio. (T)
- CONTRACTUAL ARRANGEMENT BETWEEN CUSTOMER AND AGGREGATOR:** The terms and conditions of the agreement governing the relationship between the Aggregator and a customer with respect to outreach to the customer and customer's participation in the CBP through such Aggregator are independent of PG&E. Any disputes arising between Aggregator and such customer shall be resolved by the parties.
- BILLING DISPUTES:** If an Aggregator disputes a bill issued by PG&E, the disputed amount will be deposited by the Aggregator with the California Public Utilities Commission (Commission) pending resolution of the dispute under the existing Commission procedures for resolving such disputes with PG&E. No termination of participation in the CBP will occur for this dispute while the Commission is hearing the matter, provided that the full amount in dispute is deposited with the Commission.
- If a customer has a billing dispute with its Aggregator, the customer will remain obligated to pay PG&E charges for its OAS in a timely manner. Neither the Aggregator nor the customer shall withhold payment of PG&E charges pending resolution of a dispute between the customer and Aggregator.

**PROGRAM
TESTING**

(L)

(L)

(Continued)

Advice 7194-E-A
Decision D.23-12-005

Issued by
Shilpa Ramaiya
Vice President
Regulatory Proceedings and Rates

Submitted	May 3, 2024
Effective	May 1, 2024
Resolution	



**ELECTRIC SCHEDULE E-CBP
CAPACITY BIDDING PROGRAM**

Sheet 11

**PROGRAM
TESTING
(Cont'd):**

PG&E will have the option to call up to one (1) CBP Test Event per month for resources that do not receive a market award during weekday in the given month. The CBP Test Event will be called to demonstrate capacity with respect to the CBP Nomination. A Test Event will not exceed 2 hours in duration and will be based on the current approved price trigger. Furthermore, a test Event would occur from the 20th day to the last day of the Test Event month. Testing rules will consider that there has not been any form of dispatch for that resource in that given month; previous events or test performance was below 75% of the presently nominated value; there is a not a state of emergency in California related to grid and there are no forecasted capacity shortfalls. Aggregators will receive Capacity Payments and Penalties for CBP Test Events in accordance with the methodology stated in the 'CAPACITY PAYMENT AND CAPACITY PENALTY' section of the tariff, and each event will count towards the monthly product dispatch limits. The Aggregators will not receive energy payments for load reductions during CBP Test Events since energy payments are only from CAISO market awards.

(T)
|
(T)

**PROGRAM
TRIGGER AND
NOTIFICATION:**

For the CBP Elect Option, PG&E may trigger a CBP Event for one or more Sub-LAP when PG&E receives a market award from the CAISO for a PDR that's part of CBP as a result of the offer price specified by the aggregator for a nominated portfolio.

PG&E will notify the affected Aggregators by 5:00 p.m. (or as soon as reasonably possible) on a day-ahead basis of a CBP Event for the following calendar day.

An Emergency Only event may be triggered in response to a CAISO-issued Grid warning, Notice, or alert, such as a CAISO EEA watch, EEA1, EEA2, EEA3 or Flex alert. or an emergency notice issued by the Governor's Office.

**PROGRAM
RESEARCH AND
ANALYSIS:**

All customers participating on this program agree to allow personnel from the California Energy Commission (CEC), PG&E, and their contracting agents, reasonable access to conduct a site visit for measurement and evaluation, access to the customer's interval meter data, and agree to complete any surveys needed to enhance this program.

PG&E may release customer information to the CAISO in order to facilitate direct participation of retail demand response resources in the CAISO wholesale market.

(Continued)



**ELECTRIC SCHEDULE E-CBP
CAPACITY BIDDING PROGRAM**

Sheet 12

**ACCESS TO
CUSTOMER
SPECIFIC USAGE
DATA:** PG&E will provide a customer's electric usage and electric meter data of its SA to its Aggregator as long as there is consent from the customer via an Authorization to Receive Customer Information or Act on a Customer's Behalf (Form 79-1095), a Notice To Add Or Delete Customers Participating In The Capacity Bidding Program (Form 79-1075), or a PG&E approved electronic process wherein the customer can authorize release of its data to the Aggregator. This will allow Aggregators to determine the payment, and penalties applicable to Customer under this Schedule.

**PROGRAM
TERMS:** The initial term is 12 months. After the initial 12 months, an Aggregator may request to terminate its participation in this program by submitting to PG&E a completed Cancellation of Contract (Form 62-4778). The termination will be effective on the later of: (1) the beginning of the calendar month that is immediately after the initial 12 month term; and (2) the beginning of the calendar month that is closest to but at least thirty (30) calendar days after PG&E received the Cancellation of Contract. The Schedule E-CBP will remain available unless and until Schedule E-CBP is revised or terminated as directed by the CPUC.

**PAYMENTS, AND
AFFECT ON
CUSTOMER'S BILL
FOR THE OAS:** Capacity Payments due under this program will be sent to the Aggregator within 60 calendar days after the end of the operating month. The charges under the OAS for an aggregated customer will not be adjusted.

In alignment with CAISO settlement timeframes, Energy True Up due under this program will be sent to the Aggregator upon the receipt of the final wholesale settlement. (T)
(T)

CONFIDENTIALITY Aggregator bidding strategies and prices shall be considered confidential information. PG&E shall protect this confidential information from public disclosure, and shall not disclose such confidential information to unauthorized third parties, except for PG&E's employees, agents, counsel, accountants, advisors, individual customers who authorize the release of their customer information pursuant to an approved process (such as Electric Rule 24), utility contractors, or Commission staff/contractors who have a need to know such information and have agreed to keep such information confidential and except as provided otherwise in this section.

PG&E will provide the Commission with confidential Aggregator information under Commission procedures for identifying and claiming confidential treatment. Release of confidential Aggregator information to utility and Commission contractors will be subject to such parties' agreement to protect the information from unauthorized use or public disclosure on terms consistent with PG&E and the Commission's rules and state law.



**ELECTRIC SCHEDULE E-CBP
CAPACITY BIDDING PROGRAM**

Sheet 13

**USE OF
PROHIBITED
RESOURCES**

Effective Date: Effective January 1, 2019, Schedule E-CBP customers will not be eligible to receive demand response incentives for using a prohibited resource to reduce load during a demand response event, as provided in this Section.

Definition: Prohibited resources are defined as distributed generation technologies using diesel; natural gas; gasoline; propane; or, liquefied petroleum gas, in topping cycle Combined Heat and Power (CHP) or non-CHP configuration. The following resources are exempted from the prohibition: pressure reduction turbines; waste-heat-to-power bottoming cycle CHP; as well as energy storage resources not coupled with fossil-fueled generation.

Attestation: Non-residential customers enrolled in CBP are required to submit attestations by completing the Add or Delete Attestation form (79-1075). The attestations are subject to verification, as a condition of participation. Verification may require data requests and premise access. Customers are responsible for responding to such requests. Customers who do not agree to the prohibition and submit an attestation cannot participate in any affected Demand Response program. (T)

Attestations may be updated at any time. Updates to the attestation are contingent upon customers providing documentation that confirms the operational change. Customers are required to submit an updated attestation for fuel switching, specifically from fossil-based fuels to renewable fuels, provided such fuels has received renewable certification from the California Air Resources Board. A switch must be substantiated by documentation that confirms this operational change.

Non-residential customers must attest to one of the following conditions in order to participate in E-CBP: (T)

- I do not have a Prohibited Resource on-site.
- I do have a Prohibited Resource on-site and I will not use the resource to reduce load during any Demand Response Event.
- I do have a Prohibited Resource on-site and I may have to run the resource(s) during Demand Response events for safety reasons, health reasons, or operational reasons. My Prohibited Resource(s) has (have) a total nameplate capacity of ____kW. I understand that this value will be used as the Default Adjustment Value (DAV) to adjust the Demand Response incentives / charge for my account.

(Continued)



**ELECTRIC SCHEDULE E-CBP
CAPACITY BIDDING PROGRAM**

Sheet 14

**USE OF
PROHIBITED
RESOURCES**

For those non-residential customers attesting to having a Prohibited Resource on-site that will be run during Demand Response events for safety, health, or operational reasons, and therefore requiring a DAV, the nameplate capacity value of the customer's Prohibited Resource must be provided as part of the attestation. If a customer has multiple Prohibited Resources for the same service agreement, then the DAV will be the sum of the nameplate capacity values from all prohibited resources electing to be used to reduce load during a Demand Response event on the same site.

(T)

While non-residential customers are allowed to adjust their DAV at any time, a change in the DAV would require an updated attestation if the customers operational status changes the prohibited resource associated with the customer's service agreement. PG&E or the verification administrator may verify the change(s) to a customer's DAV due to operational changes. Such changes which resulted in a DAV are not subject to a verification administrator's approval, but may be subject to PG&E's approval. Changes in a DAV adjustment can result in PG&E confirming this change through documentation in the form of a work order, invoice, or inspection report.

(T)

CBP Aggregators must collect, store, and submit attestations to PG&E for all Schedule-CBP customers. New customers must provide their attestation during the enrollment process.

Residential: Aggregators shall include a provision in residential customer contracts or agreements that result in enrollment of the residential customer in the Aggregator's CBP portfolio, which forbids the use of Prohibited Resources to reduce load during a dispatch by any CBP PDR resource. Any residential customer that does not accept the prohibition will not be eligible to participate in the Aggregator's CBP portfolio.

(N)

|
|
|
|
(N)

Aggregator Roles and Responsibilities: Aggregators shall ensure that they are enforcing the Prohibited Resources policy and include similar language in contracts with customers. The aggregator shall communicate the requirements associated with Prohibited Resources and require each non-residential customer to complete the attestation which is part of the Add or Delete form (79-1075) described within this section.

(T)

(Continued)



**ELECTRIC SCHEDULE E-CBP
CAPACITY BIDDING PROGRAM**

Sheet 15

**USE OF
PROHIBITED
RESOURCES**

Aggregators with non-residential customers are responsible for:

(T)

- (a) Obtaining and storing signed attestations and providing PG&E valid attestation documentation in a mutually agreed upon format from all existing customers, and upon enrollment for new customers Aggregators are required to complete the Add or Delete Attestation form (79-1075);
- (b) Communicating changes to customer attestations on a monthly basis to PG&E;
- (c) Providing PG&E with supporting documentation for changes to attestations and/or changes in a customer's DAV by providing documentation in the form of a work order, invoice, or inspection report. PG&E will confirm and verify that the information submitted is accurate and consistent with the customer's change in DAV.
- (d) Removing customers from their portfolio within 30 days if the customer has violated the Prohibited Resources requirements;
- (e) Submitting the attestations for each non-residential customer service agreement and applicable Default Adjustment Values (DAV), the sum of the nameplate capacity value of the customer's Prohibited Resource(s), to PG&E;
- (f) Recording, updating, and de-rating their portfolio by a summary DAV on a monthly basis; and
- (g) Conducting outreach and notification of the prohibition to their customers, which includes developing metrics, targets and record keeping systems to assess the effectiveness of their customer outreach and notification efforts, as well as demonstrating compliance with the above to PG&E upon request.

Aggregators are required to submit attestations as a condition of participation, and that attestations are subject to verification. Verification may require data requests and premise access. Customers are responsible for responding to such requests. Attestations may be updated at any time. Updates to the attestation are contingent upon customers providing documentation that confirms the operational change. Aggregators are responsible for submitting a signed Add or Delete form (79-1075) for those customers that are no longer in compliance with the use of Prohibited Resources in order for the customer to be removed from the Aggregators portfolio. Attestation updates resulting from the removal or addition of a prohibited resource from a customer's site is subject to PG&E's verification and approval, as such changes may also contribute to an update to the customer's DAV.

Aggregators who add new residential customers for CBP are required to include language on the prohibition in the contract or agreement with each residential customer. This language should explain that residential customer compliance may be subject to verification and list potential consequences for non-compliance. Furthermore, this language as required by the CPUC should be in a

(N)
|
|
|
(N)

(Continued)



**ELECTRIC SCHEDULE E-CBP
CAPACITY BIDDING PROGRAM**

Sheet 16

**USE OF
PROHIBITED
RESOURCES**

new and separate provision near the beginning of the contract or agreement presented to each residential customer. For existing residential customers enrolled with an Aggregator for CBP, the Aggregator shall provide outreach notifying customers of the required language for prohibited resources associated with the existing contract or agreement. Such language for both existing and new customers is required to be provided to PG&E by December 31 of each year.

Verification: Customer compliance and participation may be subject to verification performed by a Verification Administrator (which may be either PG&E or a third party).

Participation in E-CBP is contingent on complying with possible verification requests and facility access for site visits, as deemed necessary by the Verification Administrator. Compliance with Verification Administrator requests will be determined by the Verification Administrator.

Resources with non-by passable prohibited resources are not capable of being used for DR events. Verification for such resources may require comparison of operational data against power outage data.

A customer that is found in violation of the prohibited resources requirements will be removed from the program by the customer's aggregator. Conditions for non-residential violations and provisions for re-enrollment include:

	Type I Violation	Type II Violation
Description	Minor clerical or administrative errors that may be resolved with an updated attestation and <i>do not involve the use of a prohibited resource to reduce load during a DR event.</i>	1. Using prohibited resource(s) to reduce load during a DR event despite attesting to not doing so, and / or 2. Submitting an invalid nameplate capacity for a prohibited resource(s) under Attestation Option 3. 3. Actions impacting and violating prohibited resource verification process.

(T)
(N)
|
(N)

(L)

(L)

(Continued)



**ELECTRIC SCHEDULE E-CBP
CAPACITY BIDDING PROGRAM**

Sheet 17

USE OF
PROHIBITED
RESOURCES
(Cont'd.)

	Type I Violation	Type II Violation
Scenario(s)	<p>1. Existing customer attests to not having a prohibited resource on site, but in fact has a resource on site. However, customer did not use the resource to reduce load during a DR event.</p> <p>2. Customer reports a higher-than-actual nameplate capacity.</p> <p>3. Customer fails to respond to the Verification Administrator with timely and accurate information when a clerical or administrative error is discovered.</p> <p>4. Customer has a fuel cell (baseload producing) Prohibited Resource, doesn't submit timely meter data as requested by the verification administrator.</p>	<p>1. Customer attests to not using a prohibited resource on site. However, customer used the resource to reduce load during a DR event.</p> <p>2. Customer reports a lower-than-actual nameplate capacity.</p> <p>3. Customer removes or tampers with monitoring equipment rendering inaccurate monitoring or data.</p> <p>4. Customer does not cure a Type One infraction by coming into full cooperation with the Verification Administrator within 60 days.</p>
Resulting Actions	<p>Existing customer has 60 days from date of notice to cure non-compliance. If an attestation is not submitted within 60 days (uncured non-compliance), the customer will be removed from the Utility's tariff schedule and / or the aggregator's portfolio until an attestation is provided.</p>	<p>A single instance of non-compliance will result in customer removal from the schedule and ineligibility to enroll in any DR program for 12 calendar months from the removal date. Two or more instances will result in the same removal and ineligibility terms for three years to enroll in program that is subject to Prohibited Resource Policy.</p> <p>In case of device removal or tampering by the customer, customer shall be required by the Utility to reimburse the Utilities for the cost of any missing or damaged monitoring equipment.</p>
Refusal to Accept Prohibition as Term of Participating in Utility or Third-Party Aggregator DR Program		
Description Result	<p>Customer does not agree with prohibition requirements as term of program participation Customer is not in eligible to participate in the affected DR program until such time customer agrees with prohibition and submits an attestation.</p>	

(L)

(L)
(N)

(N)
(L)

(L)
(N)

(N)

(L)

(Continued)



**ELECTRIC SCHEDULE E-CBP
CAPACITY BIDDING PROGRAM**

Sheet 18

USE OF
PROHIBITED
RESOURCES
(Cont'd.)

Dispute Resolution: Customers disputing a Type I or Type II Violation shall be permitted to engage in a dispute resolution process with the Verification Administrator, PG&E, the Commission, and the customer's aggregator.

(L)

|

|

|

Data Collection Devices: Per Decision 22-12-004, Utility reserves the right to install data collection devices in combination with transformers at customer participating sites in support of the Demand Response Prohibited Resources Policy Verification Plan. The data collection devices will be installed at no charge to the Aggregator or the participating customer. The data collection devices will be used solely for evaluation purposes and can be installed at any time during the program season.

(L)

(T)/(L)

(L)

|

|

(L)