



**ELECTRIC SCHEDULE E-BIP
BASE INTERRUPTIBLE PROGRAM**

Sheet 1

APPLICABILITY: This rate schedule is available until modified or terminated in the rate design phase of the next general rate case or in another proceeding. The E-BIP (Program) is intended to provide load reductions on PG&E's system. Customers enrolled in the Program will be required to reduce their load down to their Firm Service Level (FSL).

Pursuant to Decision 10-06-034, which placed a Megawatt (MW) cap on emergency demand response programs, the Program may at any time be subject to a cap for new participants. See the "Reliability Cap" section for details on the current process for administering the cap.

TERRITORY: The Program is available throughout PG&E's electric service area.

ELIGIBILITY: Schedule E-BIP 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 commercial, industrial, or agricultural electric rate schedule. Each customer, both directly enrolled and those enrolled in a DR aggregator's portfolio, must take service under the provisions of a demand time-of-use (TOU) rate schedule to participate in the Program. Customers on legacy Commercial and Industrial (C&I) and Agricultural TOU rates must have at least 100 kilowatt (kW) or higher maximum demand during the summer on-peak or winter *partial-peak* for at least one month over the previous 12 months. Customers on new C&I and Agricultural TOU rates must have at least 100 KW or higher maximum demand during the summer on-peak and the winter on-peak for at least one month over the previous 12 months. Eligible customers include those receiving partial standby service or services pursuant to one or more of the Net Energy Metering Service schedules except NEMCCSF. Customers participating in Peak Day Pricing (PDP) rate option who were enrolled prior to October 26, 2018 at their subscribed megawatt level as of December 10, 2018 or Scheduled Load Reduction Program (SLRP) are eligible to participate in Schedule E-BIP.

Customers receiving power from third parties (other than DA and CCA) and customers billed by full standby service are not eligible for Schedule E-BIP.

PG&E, acting as a Demand Response Provider (DRP), must be able to register customers who are participating in the Schedule E-BIP into the California Independent System Operator's (CAISO) Demand Response Registration System (DRRS), which requires Load Serving Entity (LSE) approval. To the extent that PG&E is unable to register the customer and/or the customer's LSE does not allow the customer to be registered, the customer will be ineligible to participate in the Schedule E-BIP.

Customers may participate with third-party aggregators in Schedule E-BIP; however, neither those third-party aggregators nor the customers themselves may be the DRP of record for those customers and may not bid the associated capacity from those customers into the CAISO market. Also, customers are prohibited from participating in Schedule E-BIP if the customer is participating in another capacity-based program, even if PG&E is the DRP, such as the Capacity Bidding Program.

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

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Sheet 2

ENROLLMENT: A customer may enroll directly with PG&E or with a DR aggregator subject to the reliability cap management process. A DR aggregator is an entity, appointed by a customer, to act on behalf of said customer with respect to all aspects of the Program, including but not limited to: a) the receipt of notices from PG&E under this Program; b) the receipt of incentive payments from PG&E; and c) the payment of Excess Energy Charges to PG&E.

Each customer, both directly enrolled and those in a DR aggregator's portfolio, must designate a FSL of kW to which it will reduce its load down to or below during a Program curtailment event. For customers on legacy C&I and Agricultural TOU rates, the FSL must be no more than 85 percent of each customer's highest monthly maximum demand during the summer on-peak and winter *partial*-peak periods over the past 12 months with a minimum load reduction of 100kW. For customers on new C&I and Agricultural TOU rates, the FSL must be no more than 85 percent of each customer's highest monthly maximum demand during the summer on-peak and winter on-peak periods over the past 12 months with a minimum load reduction of 100kW. During the enrollment process, customers must demonstrate their ability to meet the designated FSL by participating in a curtailment test. The curtailment test will last up to the maximum event duration and will take place prior to enrollment being completed.

As part of its application, each new applicant is required to submit an event action plan detailing specific actions taken to reduce its load down to or below the applicant's proposed FSL within the 15-minute or 30-minute response time depending on the applicant's enrollment and for the maximum event duration.

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If a customer is attesting to the use of a Prohibited Resource(s) to reduce load during a demand response event under E-BIP, then the customer must set the FSL at no less than the sum of the nameplate capacity values of such Prohibited Resources, known as the Default Adjustment Value (DAV), as explained in the Section on the Use of Prohibited Resources within this tariff, if applicable

An applicant's effective start date shall be determined by PG&E and shall be set after PG&E has determined the application has met the eligibility rules, the load reduction demonstration was successful and PG&E has approved the applicant's load reduction plan.

Customers on the Program may not have, or obtain, any insurance for the purpose of paying Excess Energy Charges for willful failure to comply with requests for curtailments. Customers with such a policy will be terminated and required to pay back any incentives received for the period covered by the insurance. If the period cannot be determined, the recovery shall be for the entire period the customer was on the Program.

Customers who are deemed essential under the Electric Emergency Plan as adopted in Decision 01-04-006 must acknowledge that they are voluntarily electing to participate in the Program for part or all of their load based on adequate backup generation or other means to interrupt load upon request by PG&E, while continuing to meet its essential needs. In addition, an essential customer may commit no more than 50 percent of its average peak load to the Program.

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Sheet 3

ENROLLMENT Customers participating directly with PG&E must enroll and maintain their notification contacts on the Base Interruptible Program page at www.pge.com/bip. DR aggregators submit their notification contact(s) and enroll customers by submitting a fully executed Notice to Add or Delete Customers Participating in the Base Interruptible Program (Form 79-1080).

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USE OF PROHIBITED RESOURCES Effective Date: Effective January 1, 2019, Schedule E-BIP customers will not be eligible to receive demand response incentives for using a prohibited resource to reduce load served by the grid 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: Direct Enrolled customers are required to submit attestations by completing the Prohibited Resource Policy Attestation form as a condition of participation. Customers participating with an Aggregator must complete the Add or Delete Attestation form (Form 79-1080). 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.

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 operations change.

Customers must attest to one of the following conditions in order to participate in E-BIP:

- 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.

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**USE OF
PROHIBITED
RESOURCES**

For those 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.

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While customers are allowed to adjust their DAV at any time, a change in the DAV would require an updated attestation if the customer's 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.

For existing directly enrolled customers, PG&E will collect attestations from customers. Third Party Aggregators must collect, store, and submit attestations to PG&E for all Schedule E-BIP customers. New customers must provide their attestation during the enrollment process.

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

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**ELECTRIC SCHEDULE E-BIP
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Sheet 7

USE OF
PROHIBITED
RESOURCES

	Type I Violation	Type II Violation
Resulting Actions	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.	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.
Refusal to Accept Prohibition as Term of Participating in Utility or Third-Party Aggregator DR Program		
Description	Customer does not agree with prohibition requirements as term of program participation	
Result	Customer is not in eligible to participate in the affected DR program until such time customer agrees with prohibition and submits an attestation.	

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, if applicable, the customer's aggregator.

Data Collection Devices: Per Decision 22-12-004, Utility reserves the right to install data collection devices 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 (N)

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**METERING
EQUIPMENT:**

Each Service Agreement (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. 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. Metering equipment (including telephone line, cellular, or radio control communication device) must be in operation for at least 45 days prior to participating in the Program in order to meet the CAISO requirement that customers comprising a Reliability Demand Response Resource provide 45 days of historical meter data to the CAISO. If required, PG&E will provide and install the metering equipment at no cost to the bundled service or CCA service customer. The installation of an interval meter for customers taking service under the provisions of DA is the responsibility of the customer's ESP, or Agent, and must be installed in accordance with Electric Rule 22.

Customers receiving an MV90 interval meter at no charge from PG&E through the Program must remain enrolled for a minimum period of one year. Customers who received an MV90 interval meter through the Program but who later elect to leave prior to the one-year anniversary date, or is terminated for cause, must reimburse PG&E for all expenses associated with the installation and maintenance of the meter. Such charges will be collected as a one-time payment pursuant to Electric Rule 2, Section I. Customers who leave the Program after one year may continue their use of the MV90 meter at no additional cost.

Direct Access Service Customers – If PG&E is the MDMA, no additional fees will be required from the customer. If PG&E is not the MDMA, the customer will be responsible for any and all costs associated with providing the interval data into the PG&E system on a daily basis. This includes any additional metering or communication devices that may need to be installed and any additional fees assessed by the customer's ESP. Prior to a customer's participation in the Program, the customer must be able to successfully transfer meter data within PG&E's specification on a daily basis for a period of no less than 10 days to establish its baseline.

Until all necessary equipment is installed and all requirements have been met, new customers will not receive incentive payments or be assessed Excess Energy Charges or be obligated to participate in curtailment events.

**DISPATCH /
NOTIFICATION
SYSTEMS:**

PG&E's demand response website, located on the Base Interruptible Program page at www.pge.com/bip, will be used to communicate all curtailment events to the customer.

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Directly-enrolled customers and DR aggregators, at their expense, must have access to the internet and an e-mail address to receive notification via the internet. In addition, they must have, at their expense, a cellular telephone that is capable of receiving a text message. Customers cannot participate in the Program until all of these requirements have been satisfied.

In the event of a Program curtailment, directly-enrolled customers and DR aggregators will be notified using one or more of the above-mentioned systems. Receipt of such notice is the responsibility of the directly-enrolled customer and DR aggregator. PG&E does not guarantee the reliability of the e-mail system or Internet site by which notification is received.

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Sheet 9

PROGRAM
DETAILS:

PG&E will register each customer at the CAISO for the purposes of bidding into its market as a Reliability Demand Response Resource (RDRR) product. PG&E will assign each customer, both directly-enrolled and those enrolled through a DR aggregator, to a CAISO sub-Load Aggregation Point (sub-LAP). The CAISO sub-LAP may change over time.

Directly-enrolled customers and DR aggregators will be given at least 15 minutes or 30 minutes notice, depending on their enrollment, before each curtailment. (T)
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A program curtailment event will be limited to a maximum of one (1) event per day and six (6) hours per event. The Program will not exceed 10 events during a calendar month, or 180 hours per calendar year.

All customers will be placed on a calendar billing cycle and their regular electric service bills will continue to be calculated each month based on actual recorded monthly demands and energy usage.

The Program will be operated throughout the year.

PG&E may terminate the Program, as directed by the Commission, upon 30 days written notice to all directly-enrolled customers and DR aggregators.

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Sheet 10

PROGRAM TESTING:

PG&E may call two (2) test events per year at its, or the CAISO's, discretion. These test events will be operated, paid, and counted as Program events.

PG&E may conduct a monthly notification test to test its notification system. The monthly notification test will not count toward the Program event limits. No actual load curtailment is required.

INCENTIVE PAYMENTS:

Incentives will be paid on a monthly basis based on the directly enrolled customer's or DR aggregator's CAISO sub-LAP portfolio monthly Potential Load Reduction (PLR) amount, minus the sum of any applicable default adjustment values (DAVs). Potential Load Reduction (PLR) amount is the difference between average demand for the month and the customer's Firm Service Level as specified below:

Potential Load Reduction (PLR) calculation for Legacy TOU Rates and related Periods:

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Summer Season (May 1 through October 31): The difference of the directly-enrolled customer's or DR aggregator's CAISO sub-LAP portfolio average monthly on peak period demand (on peak kWh divided by available on-peak hours), excluding days participating in a DR program event or impacted by a Public Safety Power Shut-off (PSPS) event that affects the customer, and its designated FSL, minus the sum of any applicable DAVs.

Winter Season (November 1 through April 30): The difference of the directly-enrolled customer's or DR aggregator's CAISO sub-LAP portfolio customer's average monthly *partial* peak period demand (partial peak kWh divided by available partial peak hours), excluding days participating in a DR program event or impacted by a PSPS event that affects the customer, and its designated FSL, minus the sum of any applicable DAVs.

Potential Load Reduction (PLR) calculation for New TOU Rates and related Periods:

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Summer Season (June 1 through September 30) and Winter Season (October 1 through May 31): The difference of the directly-enrolled customer's or DR aggregator's CAISO sub-LAP portfolio average monthly on-peak period demand (on-peak kWh divided by available on-peak hours), excluding days participating in a DR program event or impacted by a PSPS event, and its designated FSL, minus the sum of any applicable DAVs.

Refer to the applicable rate schedule for the specific TOU peak period hours. These new rates along with the revised TOU periods will be available for eligible C&I and agricultural participants on a voluntary basis before becoming mandatory. The voluntary period that rates are available on an opt in basis continue through the February 2021 billing cycle. The mandatory transition to rates with the new TOU periods for both C&I and Agricultural participants will occur during the March 2021 billing cycle.

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Sheet 13

PROGRAM TRIGGERS: 1) The CAISO issues a market award or dispatch instruction by CAISO sub-LAP pursuant to CAISO Operating Procedure 4420.
2) PG&E in its sole discretion may dispatch one or more customers to address transmission or distribution reliability needs.

ENROLLMENT CHANGES: Customers may enroll in 15-minute BIP, 30-minute BIP, or decrease their Firm Service Level on a year-round basis. A customer who enrolls by June 30 in any given calendar year must remain enrolled until the end of the calendar year. A customer who enrolls after June 30 of any given calendar year must remain enrolled until the end of the *next* calendar year. (T)
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Customers, both directly-enrolled and those in a DR aggregator's portfolio, may update their participation to 15-minute BIP or 30-minute BIP, increase their FSL or discontinue participation in the Program once annually by providing a 30-day written notice for the direct enrolled and Add or Delete form for the aggregator enrolled during the month of November. Changes will be effective January of the following year. (T)

DR aggregators must submit a signed Agreement For Aggregators Participating in the Base Interruptible Program (Form 79-1079).

RELIABILITY CAP: D.21-03-056 raised the PG&E BIP reliability cap. If the program is fully subscribed up to its reliability cap, customers will be added to a wait list and notified when space becomes available.

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**ELECTRIC SCHEDULE E-BIP
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Sheet 14

**AGGREGATOR'S
PORTFOLIO:**

DR aggregators must submit a Notice to Add or Delete Customers Participating in the Base Interruptible Program (Form 79-1080) signed by the aggregated customer to add or delete a customer from its portfolio. PG&E will review and approve each SA before enrollment under the aggregator's portfolio. Each SA may be included in only one portfolio at a time.

PG&E will only add a new customer to a DR aggregator's portfolio after all necessary equipment is installed and all requirements have been met. Metering equipment (including telephone line, cellular, or radio control communication device) must be in operation for at least 45 days prior to participating in the Program.

The terms and conditions of the agreement governing the relationship between the DR aggregator and a customer, with respect to such customer's participation in the Program through such a DR aggregator, are independent of PG&E. Any disputes arising between DR aggregator and such customer shall be resolved by those parties.

**SPECIAL
CONDITIONS
FOR
COMMUNITY
CHOICE
AGGREGATION
SERVICE (CCA
SERVICE)
CUSTOMERS
AND DIRECT
ACCESS (DA)
CUSTOMERS:**

DA/CCA Service customers enrolling directly with PG&E must make the necessary arrangements with their ESP/CCA before enrolling in this Program.

Aggregators must make the necessary arrangements with the ESP and CCA before enrolling DA or CCA Service customers in this Program. Aggregators must notify the ESP/CCA of its DA/CCA Service customers.

**INTERACTION
WITH
CUSTOMER'S
OTHER
APPLICABLE
PROGRAMS AND
CHARGES:**

Consistent with Decision 11-18-029, customers who participate in a third party sponsored interruptible load program must immediately notify PG&E of such activity.

Customers enrolled in the Program may also participate in one of the following PG&E DR programs: Emergency Load Reduction Program (ELRP), Scheduled Load Reduction Program (Schedule E-SLRP), or the Peak Day Pricing (PDP) rate option if dual enrollment in BIP and PDP occurred prior to October 26, 2018. If dual enrolled in BIP and PDP prior to October 26, 2018 then participation will be capped at the customer's subscribed megawatt level as of December 10, 2018. New dual enrollment in BIP and PDP as of October 26, 2018 is no longer available.

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