

PUBLIC UTILITIES COMMISSION

505 VAN NESS AVENUE



January 31, 2020

Advice Letter 5702-E

Erik Jacobson
Director, Regulatory Relations
Pacific Gas and Electric Company
77 Beale Street, Mail Code B10C
P.O. Box 770000
San Francisco, CA 94177

SUBJECT: Update to the Base Incentive Program (BIP) Tariff to Reflect New TOU rates, Clarification of Performance Calculation for a Power Safety Power Shut-off Event, and Other Miscellaneous Updates

Dear Mr. Jacobson:

Advice Letter 5702-E is effective as of January 30, 2020.

Sincerely,

A handwritten signature in cursive script that reads 'Edward Randolph'.

Edward Randolph
Deputy Executive Director for Energy and Climate Policy/
Director, Energy Division

December 2, 2019

Advice 5702-E

(Pacific Gas and Electric Company ID U 39 E)

Public Utilities Commission of the State of California

Subject: Update to the Base Incentive Program (BIP) Tariff to Reflect New TOU rates, Clarification of Performance Calculation for a Power Safety Power Shut-off Event, and Other Miscellaneous Updates

Purpose

Pursuant to a multi-party settlement agreement as part of its 2018-2022 Demand Response (DR) funding Application (A. 17-01-012), PG&E committed to ensuring that the BIP tariff provides the time periods used to calculate the BIP incentive consistent with time-of-use (TOU) periods approved in PG&E's applicable General Rate Case 2 (GRC-2) or Rate Design Window (RDW) proceeding.¹ Separately, as part of a general update to its BIP tariff, PG&E is adding language to clarify that the incentive calculation will exclude the impact of a Public Safety Power Shut-Off (PSPS)² event, replacing the reference to a legacy system called Inter-Act with its replacement web portal at pge.com,³ as well as proposing minor syntax edits to improve readability and clarity.⁴

Background

On August 9, 2018, the California Public Utilities Commission (CPUC or Commission) issued Decision (D.) 18-08-013 (the decision) in PG&E's Application to Revise Its Electric Marginal Costs, Revenue Allocation, and Rate Design (Application 16-06-013). The Decision accepted various settlement agreements that make significant changes to PG&E's rate designs. A key provision of those settlements established rates with revised Time-of-Use (TOU) periods and seasonal definitions that would be available

¹ Document dated Jun 19, 2017 and titled "Memorandum of Understanding for Settlement of Specific Issues in Pacific Gas and Electric Company Application 17-01-012" at p. 2 (item 3).

² Link: https://www.pge.com/en_US/safety/emergency-preparedness/natural-disaster/wildfires/public-safety-power-shutoff-faq.page

³ The new PG&E web portal is expected to go live on December 10, 2019.

⁴ While non-substantive edits are not necessarily discussed in this Advice Letter, they are identified in the redline version of the tariff.

voluntarily before becoming mandatory.⁵ More specifically, new commercial and industrial (C&I) rates/TOU periods are available on a voluntary basis (opt-in) as of November 1, 2019 with a mandatory implementation as of November 1, 2020. Similarly, agricultural TOU rates/TOU periods will be available on a voluntary basis (opt-in) as of March 1, 2020 with a mandatory implementation as of March 1, 2021.

Consistent with the Demand Response settlement agreement adopted by D. 17-12-003, PG&E is updating its BIP tariff to align its BIP incentive structure with the roll-out of new rates/TOU periods. Finally, as part of evolving issues, PG&E is updating its BIP tariff to explicitly clarify that PSPS events are excluded from the BIP incentive calculation for an individual customer (Potential Load Reduction) in the same manner as DR events are excluded today from the incentive calculation. Absent this additional exclusion for a PSPS event, a BIP enrollee would have his/her incentive reduced, which PG&E believes would be inappropriate. Since a PSPS event has similarities to a DR event in that it is triggered by the utility and is out of the control of the participating customer, it is reasonable to treat both events similarly for the purpose of the incentive calculation.

Tariff Revisions

Tariff modifications are summarized below:

- **Sheet 1 (Eligibility)**: Adds language to differentiate the minimum load level in order to be eligible for BIP between legacy TOU rates/periods versus new TOU rates/periods for C&I and Agricultural participants. Separately, moves up the last paragraph of this section to improve readability.
- **Sheet 2 (Enrollment)**: Adds language to differentiate the Firm Service Level (FSL) for legacy and new C&I and Agricultural TOU rates/periods. While the legacy rates/periods utilize the summer on-peak and winter *partial-peak* periods, the new rates/periods cover on-peak for both summer and winter.
- **Sheet 3 (Enrollment)**: Streamlines the sentences addressing direct and Aggregator enrolled customers and reflects the new Base Interruptible Program page at www.pge.com/businessincentives, which has replaced the *Inter-Act* system for direct enrolled customers, while those enrolled through an Aggregator will continue to utilize Form 79-1080.

⁵ PG&E Advice Filings [5625-E](#) and [5626-E](#) dated September 9, 2019 and September 10, 2019, respectively.

- Sheet 8 (Dispatch/Notification System): Updates the following sentence to reflect the new web portal.
 - New Sentence: PG&E's demand response website, located on the Base Interruptible Program page at www.pge.com/businessincentives, will be used to communicate all curtailment events to the customer.
 - Old Sentence: PG&E's demand response operations website, located at <https://inter-act.pge.com>, will be used to communicate all curtailment events to the customer.

Remove the phrase "sent via the internet" as text messaging can be handled through cellular service.

- Sheet 9 (Program Details): In the first sentence of the first paragraph, the phrase "those enrolled" was added to improve readability. In the last part of the first paragraph, a separate sentence was established to improve readability. Finally, the phrase "and will be disaggregated by LSE" was removed to reflect the elimination of the one LSE, one Resource requirement by the CAISO's ESDER 3 stakeholder process.⁶
- Sheet 10 (Incentive Payments): Adds language to differentiate the Potential Load Reduction (PLR) for *legacy* and *new* C&I and Agricultural TOU rates/periods. Also, identifies the voluntary period for the *new* C&I TOU rates/periods starting November 1, 2019 through October 2020. Beginning November 1, 2020, the *new* C&I TOU rates/periods will be mandatory for C&I participants. Moreover, clarifies that qualifying Agricultural participants can utilize the *new* Agriculture TOU rates/periods on a voluntary basis beginning March 1, 2020 through February 2021. Beginning March 1, 2021, the *new* Agriculture rates/TOU periods will be mandatory for Agricultural participants. Also, added language to clarify that a PSPS event day would be excluded from the incentive calculation. Finally, replaced the reference to "through PG&E's Inter-Act system" with "at www.pge.com/youraccount" to reflect the new PG&E web portal.

⁶ The FERC adopted the revised CAISO tariffs in docket No. ER19-2733-000 on November 6, 2019.

Link: http://www.caiso.com/informed/Pages/StakeholderProcesses/EnergyStorage_DistributedEnergyResources.aspx.

- Sheet 12 (Annual Review): This section was renamed from “CONTRACTS” to “ANNUAL REVIEW”. Language that was previously added pertaining to an update to the Firms Service Level (FSL) in conjunction with prohibited resources is being removed as the language should have referenced the Default Adjustment Value (DAV). This issue is currently addressed in the “USE OF PROHIBITED RESOURCES” section starting on Sheet 3.

Protests

Anyone wishing to protest this filing may do so by letter sent via U.S. mail, facsimile or E-mail, no later than December 23, 2019, which is 21 days⁷ after the date of this submittal. Protests must be submitted to:

CPUC Energy Division
ED Tariff Unit
505 Van Ness Avenue, 4th Floor
San Francisco, California 94102

Facsimile: (415) 703-2200
E-mail: EDTariffUnit@cpuc.ca.gov

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

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

Erik Jacobson
Director, Regulatory Relations
c/o Megan Lawson
Pacific Gas and Electric Company
77 Beale Street, Mail Code B13U
P.O. Box 770000
San Francisco, California 94177

Facsimile: (415) 973-3582
E-mail: PGETariffs@pge.com

Any person (including individuals, groups, or organizations) may protest or respond to an advice letter (General Order 96-B, Section 7.4). The protest shall contain the

⁷ The 20-day protest period concludes on a weekend, therefore, PG&E is moving this date to the following business day.

following information: specification of the advice letter protested; grounds for the protest; supporting factual information or legal argument; name, telephone number, postal address, and (where appropriate) e-mail address of the protestant; and statement that the protest was sent to the utility no later than the day on which the protest was submitted to the reviewing Industry Division (General Order 96-B, Section 3.11).

Effective Date

PG&E requests that this Tier 2 advice submittal become effective on regular notice, January 1, 2020, which is 30 calendar days after the date of submittal.

Notice

In accordance with General Order 96-B, Section IV, a copy of this advice letter is being sent electronically and via U.S. mail to parties shown on the attached list and the parties on the service list for A. 17-01-012, R. 13-09-011 and A.16-06-013. Address changes to the General Order 96-B service list should be directed to PG&E at email address PGETariffs@pge.com. For changes to any other service list, please contact the Commission's Process Office at (415) 703-2021 or at Process_Office@cpuc.ca.gov. Send all electronic approvals to PGETariffs@pge.com. Advice letter filings can also be accessed electronically at: <http://www.pge.com/tariffs/>.

_____/S/

Erik Jacobson
Director, Regulatory Relations

Attachments

cc: Service List A. 17-01-012, R.13-09-011, A.16-06-013



ADVICE LETTER SUMMARY

ENERGY UTILITY



MUST BE COMPLETED BY UTILITY (Attach additional pages as needed)

Company name/CPUC Utility No.: Pacific Gas and Electric Company (ID U39E)

Utility type:

- ELC GAS WATER
 PLC HEAT

Contact Person: Yvonne Yang

Phone #: (415)973-2094

E-mail: PGETariffs@pge.com

E-mail Disposition Notice to: Yvonne.Yang@pge.com

EXPLANATION OF UTILITY TYPE

ELC = Electric GAS = Gas WATER = Water
 PLC = Pipeline HEAT = Heat

(Date Submitted / Received Stamp by CPUC)

Advice Letter (AL) #: 5702-E

Tier Designation: 2

Subject of AL: Update to the Base Incentive Program (BIP) Tariff to Reflect New TOU rates, Clarification of Performance Calculation for a Power Safety Power Shut-off Event, and Other Miscellaneous Updates

Keywords (choose from CPUC listing): Compliance

AL Type: Monthly Quarterly Annual One-Time Other:

If AL submitted in compliance with a Commission order, indicate relevant Decision/Resolution #: D.18-08-013 and D.17-12-003

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

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

Confidential treatment requested? Yes No

If yes, specification of confidential information: See attached Confidentiality Declaration and Matrix
Confidential information will be made available to appropriate parties who execute a nondisclosure agreement. Name and contact information to request nondisclosure agreement/ access to confidential information:

Resolution required? Yes No

Requested effective date: 1/1/20

No. of tariff sheets: 14

Estimated system annual revenue effect (%): N/A

Estimated system average rate effect (%): N/A

When rates are affected by AL, include attachment in AL showing average rate effects on customer classes (residential, small commercial, large C/I, agricultural, lighting).

Tariff schedules affected: Electric Schedule E-BIP - Base Interruptible Program

Service affected and changes proposed¹: N/A

Pending advice letters that revise the same tariff sheets: N/A

¹Discuss in AL if more space is needed.

Protests and all other correspondence regarding this AL are due no later than 20 days after the date of this submittal, unless otherwise authorized by the Commission, and shall be sent to:

CPUC, Energy Division
Attention: Tariff Unit
505 Van Ness Avenue
San Francisco, CA 94102
Email: EDTariffUnit@cpuc.ca.gov

Name: Erik Jacobson, c/o Megan Lawson
Title: Director, Regulatory Relations
Utility Name: Pacific Gas and Electric Company
Address: 77 Beale Street, Mail Code B13U
City: San Francisco, CA 94177
State: California Zip: 94177
Telephone (xxx) xxx-xxxx: (415)973-2093
Facsimile (xxx) xxx-xxxx: (415)973-3582
Email: PGETariffs@pge.com

Name:
Title:
Utility Name:
Address:
City:
State: District of Columbia Zip:
Telephone (xxx) xxx-xxxx:
Facsimile (xxx) xxx-xxxx:
Email:

Cal P.U.C. Sheet No.	Title of Sheet	Cancelling Cal P.U.C. Sheet No.
45773-E	ELECTRIC SCHEDULE E-BIP BASE INTERRUPTIBLE PROGRAM Sheet 1	44493-E
45774-E	ELECTRIC SCHEDULE E-BIP BASE INTERRUPTIBLE PROGRAM Sheet 2	44494-E
45775-E	ELECTRIC SCHEDULE E-BIP BASE INTERRUPTIBLE PROGRAM Sheet 3	42646-E**
45776-E	ELECTRIC SCHEDULE E-BIP BASE INTERRUPTIBLE PROGRAM Sheet 4	42647-E
45777-E	ELECTRIC SCHEDULE E-BIP BASE INTERRUPTIBLE PROGRAM Sheet 8	42651-E
45778-E	ELECTRIC SCHEDULE E-BIP BASE INTERRUPTIBLE PROGRAM Sheet 9	42652-E
45779-E	ELECTRIC SCHEDULE E-BIP BASE INTERRUPTIBLE PROGRAM Sheet 10	42653-E
45780-E	ELECTRIC SCHEDULE E-BIP BASE INTERRUPTIBLE PROGRAM Sheet 11	
45781-E	ELECTRIC SCHEDULE E-BIP BASE INTERRUPTIBLE PROGRAM Sheet 12	42654-E
45782-E	ELECTRIC SCHEDULE E-BIP BASE INTERRUPTIBLE PROGRAM Sheet 13	44495-E
45783-E	ELECTRIC SCHEDULE E-BIP BASE INTERRUPTIBLE PROGRAM Sheet 14	44496-E
45784-E	ELECTRIC SCHEDULE E-BIP BASE INTERRUPTIBLE PROGRAM Sheet 15	42657-E
45785-E	ELECTRIC TABLE OF CONTENTS Sheet 1	45756-E
45786-E	ELECTRIC TABLE OF CONTENTS Sheet 9	44505-E



**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.

(Continued)



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

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 30-minute response time and for the maximum event duration.

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 faceplate 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.

(L)
(L)

(Continued)



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

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/businessincentives. 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). (T)

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. (T)

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. (T)

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.

(Continued)



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

Sheet 4

**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.

(T)

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.

(T)

(Continued)



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

Sheet 8

**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/businessincentives, will be used to communicate all curtailment events to the customer. (N)

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. (T)

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.

(Continued)



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

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.

(T)
I
(T)

Directly-enrolled customers and DR aggregators will be given at least 30 minutes notice before each curtailment.

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.

(Continued)



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

Sheet 11

**INCENTIVE
PAYMENTS:**

Beginning March 1, 2021, the new rates and TOU periods will be mandatory for agricultural participants.

(N)
(N)
(L)
(L)

The PLR will be multiplied by the applicable incentive level (below) to determine the monthly incentive payment:

Potential Load Reduction (net DAV)

Incentive

(L)
|
|
|
|
|
(L)

1 kW to 500 kW

\$8.00/kW

501 kW to 1,000 kW

\$8.50/kW

1,001 kW and greater

\$9.00/kW

The customer's interval data is available at www.pge.com/youraccount. The data may not match billing quality data. All incentive payment calculations use billing quality data.

(T)/(L)
(L)
(T)/(L)

(Continued)



ELECTRIC TABLE OF CONTENTS

Sheet 1

TABLE OF CONTENTS

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Preliminary Statements.....	45406,44687,42856*,43670,41723,40591,44724,44725-E		
Rules.....	45270,43023,44786-E		
Maps, Contracts and Deviations.....		37960-E	
Sample Forms...40925*,37631,41151*,41573*, 37632,41152*,41153,37769,44035,40671,37169-E			

(Continued)

Advice 5702-E
Decision

Issued by
Robert S. Kenney
Vice President, Regulatory Affairs

Submitted
Effective
Resolution

December 2, 2019



ELECTRIC TABLE OF CONTENTS

Sheet 9

SCHEDULE	TITLE OF SHEET	CAL P.U.C. SHEET NO.
	Rate Schedules	
	Curtailement Options	
E-BIP	Base Interruptible Program.....	45773,45774,45775,45776,45496,45663,45664 (T)
	45777,45778,45779,45780,45781,45782,45783,45784-E (T)
E-OBMC	Optional Binding Mandatory Curtailment Plan	37149,29520,28623,
	 29521,18431,23001,29522-E
E-SLRP	Scheduled Load Reduction Program	28624,27285,27286,26287,29523-E
E-CBP	Capacity Bidding Program	42658,42147,42148,42149,42150,42659,
	23269, 42152,42153,42154,43320,42156,42660*,42661,42662,42663,42664-E

(Continued)

Advice 5702-E
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Submitted
Effective
Resolution

December 2, 2019

Advice 5702-E
November 27, 2019

Attachment 2
Redlined Tariffs



**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. (N)
(N)

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 and 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. (N)
I
(N)

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 ~~Demand Response Provider (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.

(Continued)

Advice 5493-E-A
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Resolution



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

Sheet 1

~~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.~~

(Continued)

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ELECTRIC SCHEDULE E-BIP
BASE INTERRUPTIBLE PROGRAM

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. (N)
 (N)

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 partial 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 30-minute response time and for the maximum event duration.

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 faceplate 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.

Customers participating directly with PG&E must enroll using PG&E's demand response enrollment website. DR aggregators must enroll customers by submitting a fully executed Notice to Add or Delete Customers Participating in (Continued)

ELECTRIC SCHEDULE E-BIP
BASE INTERRUPTIBLE PROGRAM

Sheet 2

the Base Interruptible Program (Form 79-1080).

(Continued)

<i>Advice</i>	5493-E-A	<i>Issued by</i>	<i>Submitted</i>	June 19, 2019
<i>Decision</i>	18-11-029	Robert S. Kenney	<i>Effective</i>	March 11, 2019
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**ELECTRIC SCHEDULE E-BIP
BASE INTERRUPTIBLE PROGRAM**

Sheet 3

ENROLLMENT Customers participating directly with PG&E must enroll and maintain their notification contacts using PG&E's demand response enrollment website. ~~DR aggregators must enroll customers by submitting a fully executed Notice to Add or Delete Customers Participating in the Base Interruptible Program (Form 79-1080).~~ (L)

~~Directly enrolled customers will be responsible for maintaining their notification contacts~~ on the Base Interruptible Program page at www.pge.com/businessincentives.

DR aggregators submit their notification contact(s) and enroll customers by submitting a fully executed Notice to with their Add or Delete Customers Participating in the Base Interruptible Program (Form 79-1080) ~~form and maintain them through Inter-Act.~~

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. (N)

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

(Continued)



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

Sheet 3

used as the Default Adjustment Value (DAV) to adjust the Demand Response incentives / charge for my account.

I
I
(N)

(Continued)

Advice 4991-E-C
Decision 16-09-056

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

Sheet 10

Beginning March 1, 2021, the new rates and TOU periods will be mandatory for agricultural participants.

The PLR will be multiplied by the applicable incentive level (below) to determine the monthly incentive payment:

Potential Load Reduction (net DAV)	Incentive
1 kW to 500 kW	\$8.00/kW
501 kW to 1,000 kW	\$8.50/kW
1,001 kW and greater	\$9.00/kW

~~The PLR (described below) will be multiplied by the appropriate incentive level to determine the monthly incentive payment.~~

The customer's interval data is available at www.pge.com/youraccount. ~~through PG&E's Inter-Act system~~ The data may not match billing quality data. All incentive payment calculations uses billing quality data.

(Continued)

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

Sheet 13

**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 ~~the~~ 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. (T)

Customers enrolled in the Program may also participate in one of the following PG&E DR programs: 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. (N)
|
|
(N)

(Continued)

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**PG&E Gas and Electric
Advice Submittal List
General Order 96-B, Section IV**

AT&T	Downey & Brand	Pioneer Community Energy
Albion Power Company	East Bay Community Energy	Praxair
Alcantar & Kahl LLP	Ellison Schneider & Harris LLP	
	Energy Management Service	
Alta Power Group, LLC	Engineers and Scientists of California	Redwood Coast Energy Authority
Anderson & Poole	Evaluation + Strategy for Social Innovation	Regulatory & Cogeneration Service, Inc.
	GenOn Energy, Inc.	SCD Energy Solutions
Atlas ReFuel	Goodin, MacBride, Squeri, Schlotz & Ritchie	
BART	Green Charge Networks	SCE
	Green Power Institute	SDG&E and SoCalGas
Barkovich & Yap, Inc.	Hanna & Morton	
P.C. CalCom Solar	ICF	SPURR
California Cotton Ginners & Growers Assn	International Power Technology	San Francisco Water Power and Sewer
California Energy Commission	Intestate Gas Services, Inc.	Seattle City Light
California Public Utilities Commission	Kelly Group	Sempra Utilities
California State Association of Counties	Ken Bohn Consulting	Southern California Edison Company
Calpine	Keyes & Fox LLP	Southern California Gas Company
	Leviton Manufacturing Co., Inc. Linde	Spark Energy
Cameron-Daniel, P.C.	Los Angeles County Integrated Waste Management Task Force	Sun Light & Power
Casner, Steve	Los Angeles Dept of Water & Power	Sunshine Design
Cenergy Power	MRW & Associates	Tecogen, Inc.
Center for Biological Diversity	Manatt Phelps Phillips	TerraVerde Renewable Partners
	Marin Energy Authority	Tiger Natural Gas, Inc.
Chevron Pipeline and Power	McKenzie & Associates	
City of Palo Alto		TransCanada
	Modesto Irrigation District	Troutman Sanders LLP
City of San Jose	Morgan Stanley	Utility Cost Management
Clean Power Research	NLine Energy, Inc.	Utility Power Solutions
Coast Economic Consulting	NRG Solar	Utility Specialists
Commercial Energy		
County of Tehama - Department of Public Works	Office of Ratepayer Advocates	Verizon
Crossborder Energy	OnGrid Solar	Water and Energy Consulting Wellhead Electric Company
Crown Road Energy, LLC	Pacific Gas and Electric Company	Western Manufactured Housing Communities Association (WMA)
Davis Wright Tremaine LLP	Peninsula Clean Energy	Yep Energy
Day Carter Murphy		
Dept of General Services		
Don Pickett & Associates, Inc.		
Douglass & Liddell		