

PUBLIC UTILITIES COMMISSION
505 Van Ness Avenue
San Francisco CA 94102-3298



Pacific Gas & Electric Company
ELC (Corp ID 39)
Status of Advice Letter 6516E
As of April 11, 2022

Subject: Tariff Updates to the Base Interruptible Program, Capacity Bidding Program and SmartAC Program Pursuant to Decision 21-12-015

Division Assigned: Energy

Date Filed: 02-25-2022

Date to Calendar: 03-02-2022

Authorizing Documents: D2112015

Disposition:	Accepted
Effective Date:	02-25-2022

Resolution Required: No

Resolution Number: None

Commission Meeting Date: None

CPUC Contact Information:

edtariffunit@cpuc.ca.gov

AL Certificate Contact Information:

Stuart Rubio

415-973-4587

PGETariffs@pge.com

PUBLIC UTILITIES COMMISSION
505 Van Ness Avenue
San Francisco CA 94102-3298



To: Energy Company Filing Advice Letter

From: Energy Division PAL Coordinator

Subject: Your Advice Letter Filing

The Energy Division of the California Public Utilities Commission has processed your recent Advice Letter (AL) filing and is returning an AL status certificate for your records.

The AL status certificate indicates:

- Advice Letter Number
- Name of Filer
- CPUC Corporate ID number of Filer
- Subject of Filing
- Date Filed
- Disposition of Filing (Accepted, Rejected, Withdrawn, etc.)
- Effective Date of Filing
- Other Miscellaneous Information (e.g., Resolution, if applicable, etc.)

The Energy Division has made no changes to your copy of the Advice Letter Filing; please review your Advice Letter Filing with the information contained in the AL status certificate, and update your Advice Letter and tariff records accordingly.

All inquiries to the California Public Utilities Commission on the status of your Advice Letter Filing will be answered by Energy Division staff based on the information contained in the Energy Division's PAL database from which the AL status certificate is generated. If you have any questions on this matter please contact the:

Energy Division's Tariff Unit by e-mail to
edtariffunit@cpuc.ca.gov



Sidney Bob Dietz II
Director
Regulatory Relations

Pacific Gas and Electric Company
77 Beale St., Mail Code B13U
P.O. Box 770000
San Francisco, CA 94177

Fax: 415-973-3582

February 25, 2022

Advice 6516-E

(Pacific Gas and Electric Company U 39 E)

Public Utilities Commission of the State of California

Subject: Tariff Updates to the Base Interruptible Program, Capacity Bidding Program and SmartAC Program Pursuant to Decision 21-12-015

Purpose

PG&E is filing this Advice Letter (AL) to update its tariffs for the Base Interruptible Program (BIP), Capacity Bidding Program (CBP) and SmartAC Program (SAC) pursuant to Decision (D. or "Decision") 21-12-015, Ordering Paragraph (OP) 12, which calls for tariff updates to be made through a Tier 1 AL.¹ A summary of the authorized tariff updates are identified in Attachment 1, pp. 4-5 of the Decision. Furthermore, PG&E intends to utilize existing balancing accounts *without* an anticipated need at this time to modify the existing process to transfers balances from the Demand Response Expenditures Balancing Account to the Distribution Revenue Adjustment Mechanism. More specific details for cost tracking and recovery associated with the Decision were filed with the California Public Utilities Commission via AL 6432-E.

Background

The Decision in Phase 2 of the Reliability Rulemaking (R.) 20-11-003 called for a number of changes, including modifications to PG&E's existing demand response (DR) portfolio to support reliability needs for 2022 and 2023 in order "to make the DR resources more effective and more aligned with grid need" (OP 10). Specifically, these changes include: (1) an increase to the BIP compensation level by \$1/kilowatt for the

¹ OP 12: As directed in Decision (D.) 21-03-056, Pacific Gas and Electric Company, Southern California Edison Company, and San Diego Gas & Electric Company shall continue to utilize unspent funds from their existing Demand Response (DR) budgets adopted in D.17-12-003, to the extent existing funds are available. To the extent that any tariff amendments are necessary to effectuate the DR program changes ordered in this decision, those changes should be documented in a Tier 1 Advice Letter, as well as the process for transferring balances within the investor-owned utility's DR Programs Balancing Account and Base Revenue Requirement Balancing Account for this purpose.

months of May through October for the years 2022 and 2023 per OP 15,² (2) implementation of a price bid cap of \$650/megawatt-hour for the Capacity Bidding Elect and Elect+ sup-options for the years 2022 and 2023 per OP 14, and (3) enabling a device exchange retention incentive of \$25³ for 2022 and 2023 per OP 17.

Tariff Revisions

- **BIP Tariff**: Sheet 11 is annotated to clarify the \$1/kW monthly incentive increase for May – October pertains to years 2022 and 2023.
- **CBP Tariff**: Sheets 3 and 4 contains language that replaces the current “Market Cap Price” with “\$650/MWh.”
- **R-SAC Tariff**: In addition to adding language for the \$25 device exchange incentive, several clean up edits are proposed in order to improve clarity and readability.
 - **Sheet 1, Special Condition 1 (Clean up)**: The last sentence that states “The operation of this program will act as a demand-side resource to PG&E to help maintain service reliability for all electric customers, defer construction of additional generation facilities, and reduce environmental pollutants” is being moved to the “Applicability” section as it technically describes the program rather than being one of the triggers under Special Condition 1.
 - **Sheet 2, Special Condition 8 (Per D.21-12-015)**: This condition has been updated to add the sentence that indicates “Participants who receive a PG&E initiated technology upgrade and remain enrolled in the program may be eligible for a one-time \$25 financial incentive starting on January 1, 2022 and ending on December 31, 2023 pursuant to D.21-12-015.”
 - **Sheet 3, Special Conditions 7 and 13 (12)**: The *existing* Special Condition 7 has been removed, as it was modified after limitations were placed on dual participation between SmartAC and SmartRate by D. 18-11-029. Relatedly, the original Special Condition 13 (currently Special Condition 12)⁴ now clarifies that those dually enrolled SmartAC and SmartRate

² Tariff updates allowed for under OP 15 are not necessary at this time because PG&E plans to utilize its existing authorized BIP funding from the 2018-2022 cycle for 2022. For 2023, PG&E will consider the higher incentive level as part of its bridge funding proposal expected to be filed by May 1, 2022.

³ D.21-12-015 at p. 69.

⁴ The removal of Special Condition 7 caused Special Condition 13 to become Special Condition 12.

participants that were accorded legacy treatment by D.18-11-029 may have their devices cycled by either SmartAC or SmartRate.

Protests

Anyone wishing to protest this submittal may do so by letter sent electronically via E-mail, no later than **March 17, 2022**, which is 20 days after the date of this submittal. Protests must be submitted to:

CPUC Energy Division
ED Tariff Unit
E-mail: EDTariffUnit@cpuc.ca.gov

The protest shall also be electronically sent to PG&E via E-mail at the address shown below on the same date it is electronically delivered to the Commission:

Sidney Bob Dietz II
Director, Regulatory Relations
c/o Megan Lawson
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 following information: specification of the advice letter protested; grounds for the protest; supporting factual information or legal argument; name and 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 1** advice filing become effective upon date of filing, which is **February 25, 2022**.

Notice

In accordance with General Order 96-B, Section IV, a copy of this advice letter is being sent electronically to parties shown on the attached list and the parties on the service list for **R.20-11-003**. 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 submittals can also be accessed electronically at: <http://www.pge.com/tariffs/>.

/S/
Sidney Bob Dietz II
Director, Regulatory Relations

cc: Service List R.20-11-003



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 (U 39 E)

Utility type:

- ELC GAS WATER
 PLC HEAT

Contact Person: Stuart Rubio

Phone #: (415) 973-4587

E-mail: PGETariffs@pge.com

E-mail Disposition Notice to: SHR8@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) #: 6516-E

Tier Designation: 1

Subject of AL: Tariff Updates to the Base Interruptible Program, Capacity Bidding Program and SmartAC Program Pursuant to Decision 21-12-015

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.21-12-015

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: N/A

Confidential treatment requested? Yes No

If yes, specification of confidential information:

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: 2/25/22

No. of tariff sheets: 9

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: See attachment 1

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

California Public Utilities Commission
Energy Division Tariff Unit Email:
EDTariffUnit@cpuc.ca.gov

Contact Name: Sidnev Bob Dietz II. c/o Megan Lawson
Title: Director, Regulatory Relations
Utility/Entity Name: Pacific Gas and Electric Company

Telephone (xxx) xxx-xxxx: (415)973-2093
Facsimile (xxx) xxx-xxxx:
Email: PGETariffs@pge.com

Contact Name:
Title:
Utility/Entity Name:

Telephone (xxx) xxx-xxxx:
Facsimile (xxx) xxx-xxxx:
Email:

CPUC
Energy Division Tariff Unit
505 Van Ness Avenue
San Francisco, CA 94102

Clear Form

Cal P.U.C. Sheet No.	Title of Sheet	Cancelling Cal P.U.C. Sheet No.
52773-E	ELECTRIC SCHEDULE E-BIP BASE INTERRUPTIBLE PROGRAM Sheet 11	49650-E
52774-E	ELECTRIC SCHEDULE E-BIP BASE INTERRUPTIBLE PROGRAM Sheet 13	49651-E
52775-E*	ELECTRIC SCHEDULE E-CBP CAPACITY BIDDING PROGRAM Sheet 3	49625-E*
52776-E*	ELECTRIC SCHEDULE E-CBP CAPACITY BIDDING PROGRAM Sheet 4	48378-E
52777-E	ELECTRIC SCHEDULE E-RSAC RESIDENTIAL SMART A/C PROGRAM Sheet 1	41739-E
52778-E	ELECTRIC SCHEDULE E-RSAC RESIDENTIAL SMART A/C PROGRAM Sheet 2	44499-E
52779-E*	ELECTRIC TABLE OF CONTENTS Sheet 1	52560-E
52780-E*	ELECTRIC TABLE OF CONTENTS Sheet 9	49654-E
52781-E	ELECTRIC TABLE OF CONTENTS Sheet 10	52770-E



**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)
2-6 Hour	2 hours	6 hours	30+ (Participant can choose more hours during the Operating Hours)	1	3+ (Participant may choose more)	6+ (Participant may choose more)
1-8 Hour	1 hour	8 hours	40+ (Participant can choose more hours during the Operating Hours)	1	3+ (Participant may choose more)	6+ (Participant may choose more)

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	20+ (Participant can choose more hours during the Operating Hours)	1	3+ (Participant may choose more)	6+ (Participant may choose more)
2-6 Hour	2 hours	6 hours	30+ (Participant can choose more hours during the Operating Hours)	1	3+ (Participant may choose more)	6+ (Participant may choose more)
1-24 Hour	1 hour	24 hours	120+ (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
- Aggregators must submit their bids 3 days before trade day
- Bids must meet the Net Benefit Test (NBT) \leq Bid Price \leq \$650/MWh* (N)
- CAISO is required to implement a NBT that establishes a price threshold above which DR resource bids are deemed cost effective.

Elect +

- Aggregators must bid every hour during the program Operating Hours
- Aggregators can bid more hours outside the program Operating Hours, but must keep the same nominated price and MW value that was nominated during the program Operating Hours
- Hours outside of the program Operating Hours must be contiguous
- Aggregators can choose an event duration up to 24 hours

(*) D.21-12-015 implemented a price bid cap of \$650/MWh for years 2022 and 2023. (N)

(Continued)

Advice 6516-E
Decision 21-12-015

Issued by
Robert S. Kenney
Vice President, Regulatory Affairs

Submitted
Effective
Resolution

February 25, 2022
February 25, 2022



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

Sheet 4

**OPTIONS
PRODUCTS AND
BIDDING:
(Cont'd.)**

- Aggregators must submit their bids 3 days before trade day
- Bids must meet 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.

(N)

**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 pilot 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).

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. Non-residential customers will be evaluated with a 10-in-10 baseline. Each individual SA baseline is the average load for each corresponding hour over the immediate past five (5) or ten (10) similar weekdays prior to an event, depending on the baseline option assigned, with the option of a day-of adjustment. The load during each corresponding hour of the ten days will be averaged to calculate a baseline for each hour. Similar days will include Monday through Friday, excluding NERC holidays and days prior to the event in which the customer was: 1) subject to a CBP event; 2) subject to an outage; 3) subject to an Optional Binding (OBMC) event, or 4) was interrupted.

(*) D.21-12-015 implemented a price bid cap of \$650/MWh for years 2022 and 2023.

(N)

(Continued)

<i>Advice</i>	6516-E	<i>Issued by</i>	<i>Submitted</i>	<u>February 25, 2022</u>
<i>Decision</i>	21-12-015	Robert S. Kenney	<i>Effective</i>	<u>February 25, 2022</u>
		<i>Vice President, Regulatory Affairs</i>	<i>Resolution</i>	



**ELECTRIC SCHEDULE E-RSAC
RESIDENTIAL SMART A/C PROGRAM**

Sheet 1

APPLICABILITY: This schedule provides customers with an option to supplement the service provided under the customer's otherwise applicable electric rate schedule. Schedule E-RSAC – Residential Smart A/C Program (Program) is a voluntary demand response program where a load control device at a customer's premise can temporarily disengage the customer's primary central air-conditioning (A/C) unit or raise the temperature at the thermostat when the device is remotely activated. The Program is intended to be a service option for Bundled Utility Service, Direct Access (DA) service or Community Choice Aggregation (CCA) individually metered residential customers with single stage central electric A/C units that generally operate during PG&E's summer peak periods. The operation of this program will act as a demand-side resource to PG&E to help maintain service reliability for all electric customers, defer construction of additional generation facilities, and reduce environmental pollutants.

(L)
|
(L)

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

RATES: A customer's monthly electric bill will continue to be calculated in accordance with the otherwise applicable rate schedule. Customers on PG&E's Medical Baseline or Life Support rates are excluded from eligibility.

**SPECIAL
CONDITIONS:**

1. PG&E will call the program in order to reduce its system demand
 - a. When the California Independent System Operator (CAISO) requests PG&E to operate all or part of the customers on the Program after the CAISO dispatches Condition 2 Reliability Must-Run (RMR) units and prior to canvassing other entities and Balancing Authorities for available Manual Dispatch Energy/Capacity on interties, or otherwise based on its forecasted system conditions and operating procedures,
 - b. During emergency or near-emergency situations,
 - c. At the discretion of PG&E's energy operations center in response to a CAISO economic award in the wholesale market, or high wholesale energy prices;
 - d. During program testing.
2. Program events will occur during PG&E's summer season, which runs from May 1 through October 31 each year.
3. The Program's operational days are Monday through Sunday during the Program's operational season.
4. This program will be limited to 100 hours per year per customer service account. Customers may not be called in an event for more than six hours each day and events are generally during PG&E's summer peak periods.
5. When events are called by PG&E, A/C cycling will be limited to approximately 50% of the A/C compressor run time during each 30-minute interval on the customer's primary A/C unit.

(L)
|
(L)

(Continued)

Advice 6516-E
Decision 21-12-015

Issued by
Robert S. Kenney
Vice President, Regulatory Affairs

Submitted
Effective
Resolution

February 25, 2022
February 25, 2022



**ELECTRIC SCHEDULE E-RSAC
RESIDENTIAL SMART A/C PROGRAM**

Sheet 2

SPECIAL
CONDITIONS:
(Cont'd.)

- 6. PG&E understands that operation of this program can cause a temperature increase in their home and may inconvenience customers. PG&E will provide its customers with the ability to override, without penalty. (T)
(D)
|
(D)
- 7. Program participation must be authorized by a property owner at the premise. Renters or lease holders may participate with the owner's written approval. (T)
- 8. Customers who participate will receive a one-time financial incentive of \$50.00 upon successful enrollment which may include verification of A/C cycling technology at the premise. Participants who receive a technology upgrade and remain enrolled in the program may be eligible for a one-time \$25 financial incentive starting on January 1, 2022 and ending on December 31, 2023 pursuant to D.21-12-015. (C)/(N)
|
(C)/(N)
- 9. As a condition of participating in this Program, customer and property owner must agree to continue to keep the A/C cycling equipment operational and must contact PG&E in the event it is not operational, removed or replaced. PG&E will, from time to time, conduct inspections of A/C cycling equipment to assess health and operational readiness and may, dependent on the current program offer, or provide upgraded technology. (T)
- 10. Customers not enrolled in the SmartAC program who move into a premise (location) that already has a functioning SmartAC device may have their premise (location) auto-enrolled into the SmartAC program with the option to opt-out. (T)
- 11. Customers currently enrolled in the SmartAC program who move to a new premise (location) that has a functioning SmartAC device may continue to be enrolled in the SmartAC program unless they chose to unenroll. (T)
- 12. Pursuant to D.18-11-029, dual enrollment as of October 26, 2018 is no longer available between SmartRate and SmartAC or any other demand response program offered by PG&E or another third-party demand response provider. Customers on SmartRate and SmartAC may continue to participate in both programs if dual enrolled prior to October 26, 2018. SmartRate customers enrolled in the SmartAC program as of October 26, 2018 may have their A/C cycling technology activated during a SmartAC event or during SmartRate Event Days. Participation is capped at the customer's subscribed megawatt level as of December 10, 2018. (C)/(T)
|
(C)/(T)



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..... 44493,49648,42646**,42647,42648,4264942650,42651,42652,49649, 52773 ,44495, 52774 ,49652-E	(T)
E-OBMC	Optional Binding Mandatory Curtailement Plan 37149,29520,28623, 29521,18431,23001,29522-E	
E-SLRP	Scheduled Load Reduction Program28624,27285,27286,26287,29523-E	
E-CBP	Capacity Bidding Program 42658,46308, 52775* , 52776* ,47379,47380, 23269, 48381,42153,46311,48382,46312,46313,46314,46315,46316,46317-E	(T)

(Continued)

Advice 6516-E
Decision 21-12-015

Issued by
Robert S. Kenney
Vice President, Regulatory Affairs

Submitted February 25, 2022
Effective February 25, 2022
Resolution



ELECTRIC TABLE OF CONTENTS

Sheet 10

SCHEDULE	TITLE OF SHEET	CAL P.U.C. SHEET NO.
	Rate Schedules Energy Charge Rate	
E-FFS	Franchise Fee Surcharge.....	47167,52695,52696-E
E-RSAC	Residential Smart A/C Program.....	52777,52778,41741-E (T)

(Continued)

Advice 6516-E
Decision 21-12-015

Issued by
Robert S. Kenney
Vice President, Regulatory Affairs

Submitted February 25, 2022
Effective February 25, 2022
Resolution _____

Attachment 2

Redline Tariff Revisions



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

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 the program or decrease their Firm Service Level on a year-round basis. A customer who enrolls by April 30 in any given calendar year must remain enrolled until the end of the calendar year. A customer who enrolls after April 30 of any given calendar year must remain enrolled until the end of the *next* calendar year.

(I)

Customers, both directly-enrolled and those in a DR aggregator's portfolio, may 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.

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.

(Continued)

Advice 6167-E
Decision D.21-03-056

Issued by
Robert S. Kenney
Vice President, Regulatory Affairs

Submitted	April 19, 2021
Effective	May 1, 2021
Resolution	



**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)
2-6 Hour	2 hours	6 hours	30+ (Participant can choose more hours during the Operating Hours)	1	3+ (Participant may choose more)	6+ (Participant may choose more)
1-8 Hour	1 hour	8 hours	40+ (Participant can choose more hours during the Operating Hours)	1	3+ (Participant may choose more)	6+ (Participant may choose more)

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	20+ (Participant can choose more hours during the Operating Hours)	1	3+ (Participant may choose more)	6+ (Participant may choose more)
2-6 Hour	2 hours	6 hours	30+ (Participant can choose more hours during the Operating Hours)	1	3+ (Participant may choose more)	6+ (Participant may choose more)
1-24 Hour	1 hour	24 hours	120+ (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
- Aggregators must submit their bids 3 days before trade day
- Bids must meet the Net Benefit Test (NBT) \leq Bid Price \leq ~~\$650/MWh*Market Cap Price~~ (N)
- CAISO is required to implement a NBT that establishes a price threshold above which DR resource bids are deemed cost effective.

Elect +

- Aggregators must bid every hour during the program Operating Hours
- Aggregators can bid more hours outside the program Operating Hours, but must keep the same nominated price and MW value that was nominated during the program Operating Hours
- Hours outside of the program Operating Hours must be contiguous
- Aggregators can choose an event duration up to 24 hours

(*) D.21-12-015 implemented a price bid cap of \$650/MWh for years 2022 and 2023. (N)

(Continued)

Advice
Decision

Issued by
Robert S. Kenney
Vice President, Regulatory Affairs

Submitted
Effective
Resolution



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

Sheet 4

OPTIONS
PRODUCTS AND
BIDDING:
(Cont'd.)

- Aggregators must submit their bids 3 days before trade day
- Bids must meet Net Benefit Test (NBT) \leq Bid Price \leq \$650/MWh* Market Cap Price
- CAISO is required to implement a NBT that establishes a price threshold above which DR resource bids are deemed cost effective.

(N)

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 pilot 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).

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. Non-residential customers will be evaluated with a 10-in-10 baseline. Each individual SA baseline is the average load for each corresponding hour over the immediate past five (5) or ten (10) similar weekdays prior to an event, depending on the baseline option assigned, with the option of a day-of adjustment. The load during each corresponding hour of the ten days will be averaged to calculate a baseline for each hour. Similar days will include Monday through Friday, excluding NERC holidays and days prior to the event in which the customer was: 1) subject to a CBP event; 2) subject to an outage; 3) subject to an Optional Binding (OBMC) event, or 4) was interrupted.

(*) D.21-12-015 implemented a price bid cap of \$650/MWh for years 2022 and 2023.

(N)

(Continued)

Advice
Decision

Issued by
Robert S. Kenney
Vice President, Regulatory Affairs

Submitted
Effective
Resolution



**ELECTRIC SCHEDULE E-RSAC
RESIDENTIAL SMART A/C PROGRAM**

Sheet 1

APPLICABILITY: This schedule provides customers with an option to supplement the service provided under the customer's otherwise applicable electric rate schedule. Schedule E-RSAC – Residential Smart A/C Program (Program) is a voluntary demand response program where a load control device at a customer's premise can temporarily disengage the customer's primary central air-conditioning (A/C) unit or raise the temperature at the thermostat when the device is remotely activated. The Program is intended to be a service option for Bundled Utility Service, Direct Access (DA) service or Community Choice Aggregation (CCA) individually metered residential customers with single stage central electric A/C units that generally operate during PG&E's summer peak periods. The operation of this program will act as a demand-side resource to PG&E to help maintain service reliability for all electric customers, defer construction of additional generation facilities, and reduce environmental pollutants.

(L)
↓
(L)

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

RATES: A customer's monthly electric bill will continue to be calculated in accordance with the otherwise applicable rate schedule. Customers on PG&E's Medical Baseline or Life Support rates are excluded from eligibility.

- SPECIAL CONDITIONS:**
1. PG&E will call the program in order to reduce its system demand.
 - a. When the California Independent System Operator (CAISO) requests PG&E to operate all or part of the customers on the Program after the CAISO dispatches Condition 2 Reliability Must-Run (RMR) units and prior to canvassing other entities and Balancing Authorities for available Manual Dispatch Energy/Capacity on interties, or otherwise based on its forecasted system conditions and operating procedures,
 - b. During emergency or near-emergency situations,
 - c. At the discretion of PG&E's energy operations center in response to a CAISO economic award in the wholesale market, or high wholesale energy prices;
 - d. During program testing. ~~The operation of this program will act as a demand-side resource to PG&E to help maintain service reliability for all electric customers, defer construction of additional generation facilities, and reduce environmental pollutants.~~
 2. Program events will occur during PG&E's summer season, which runs from May 1 through October 31 each year.
 3. The Program's operational days are Monday through Sunday during the Program's operational season.
 4. This program will be limited to 100 hours per year per customer service account. Customers may not be called in an event for more than six hours each day and events are generally during PG&E's summer peak periods.
 5. When events are called by PG&E, A/C cycling will be limited to approximately 50% of the A/C compressor run time during each 30-minute interval on the customer's primary A/C unit.

(L)
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(L)

(Continued)

<i>Advice</i>	5217-E	<i>Issued by</i>	<i>Date Filed</i>	January 22, 2018
<i>Decision</i>	17-12-003	Robert S. Kenney	<i>Effective</i>	May 1, 2018
		<i>Vice President, Regulatory Affairs</i>	<i>Resolution</i>	



**ELECTRIC SCHEDULE E-RSAC
RESIDENTIAL SMART A/C PROGRAM**

Sheet 2

SPECIAL
CONDITIONS:
(Cont'd.)

- 6. PG&E understands that operation of this program can cause a temperature increase in their home ~~and~~and may inconvenience customers. PG&E will provide its customers with the ability to override, without penalty. (T)
- 7. ~~Customers on SmartRate may request PG&E to activate their A/C cycling technology when the customer is participating solely in an event associated with that rate. This provision applies to customers who are eligible to be enrolled in both programs based on Special Condition 13.~~ (D)
↓
(D)
- ~~78.~~ Program participation must be authorized by a property owner at the premise. Renters or lease holders may participate with the owner's written approval. (T)
- ~~89.~~ Customers who participate will receive a one-time financial incentive of \$50.00 upon successful enrollment which may include verification of A/C cycling technology at the premise. Participants who receive a technology upgrade and remain enrolled in the program may be eligible for a one-time \$25 financial incentive starting on January 1, 2022 and ending on December 31, 2023 pursuant to D.21-12-015. (T)
(C)/(N)
↓
(C)/(N)
- ~~940.~~ As a condition of participating in this Program, customer and property owner must agree to continue to keep the A/C cycling equipment operational and must contact PG&E in the event it is not operational, removed or replaced. PG&E will, from time to time, conduct inspections of A/C cycling equipment to assess health and operational readiness and may, dependent on the current program offer, or provide upgraded technology. (T)
- ~~104.~~ Customers not enrolled in the SmartAC program who move into a premise (location) that already has a functioning SmartAC device may have their premise (location) auto-enrolled into the SmartAC program with the option to opt-out. (T)
- ~~112.~~ Customers currently enrolled in the SmartAC program who move to a new premise (location) that has a functioning SmartAC device may continue to be enrolled in the SmartAC program unless they chose to unenroll. (T)
- ~~123.~~ Pursuant to D.18-11-029, dual enrollment as of October 26, 2018 is no longer available between SmartRate and SmartAC or any other demand response program offered by PG&E or another third-party demand response provider. Customers on SmartRate and SmartAC may continue to participate in both programs if dual enrolled prior to October 26, 2018. SmartRate customers enrolled in the SmartAC program as of October 26, 2018 may have their A/C cycling technology activated during a SmartAC event or during SmartRate Event Days. (C)/(T)
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(C)/(T)
Participation is capped at the customer's subscribed megawatt level as of December 10, 2018.

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

AT&T Albion Power Company	East Bay Community Energy Ellison Schneider & Harris LLP Engineers and Scientists of California	Pioneer Community Energy
Alta Power Group, LLC Anderson & Poole	GenOn Energy, Inc. Goodin, MacBride, Squeri, Schlotz & Ritchie Green Power Institute Hanna & Morton ICF International Power Technology	Public Advocates Office Redwood Coast Energy Authority Regulatory & Cogeneration Service, Inc. SCD Energy Solutions San Diego Gas & Electric Company
Atlas ReFuel BART		SPURR San Francisco Water Power and Sewer Sempra Utilities
Barkovich & Yap, Inc. Braun Blasing Smith Wynne, P.C. California Cotton Ginners & Growers Assn California Energy Commission	Intertie	Sierra Telephone Company, Inc. Southern California Edison Company Southern California Gas Company Spark Energy Sun Light & Power Sunshine Design Tecogen, Inc. TerraVerde Renewable Partners Tiger Natural Gas, Inc.
California Hub for Energy Efficiency Financing	Intestate Gas Services, Inc. Kelly Group Ken Bohn Consulting Keyes & Fox LLP Leviton Manufacturing Co., Inc.	TransCanada Utility Cost Management Utility Power Solutions Uplight Water and Energy Consulting Wellhead Electric Company Western Manufactured Housing Communities Association (WMA) Yep Energy
California Alternative Energy and Advanced Transportation Financing Authority California Public Utilities Commission Calpine	Los Angeles County Integrated Waste Management Task Force MRW & Associates Manatt Phelps Phillips Marin Energy Authority McClintock IP McKenzie & Associates	
Cameron-Daniel, P.C. Casner, Steve Center for Biological Diversity	Modesto Irrigation District NLine Energy, Inc. NRG Solar	
Chevron Pipeline and Power City of Palo Alto	OnGrid Solar Pacific Gas and Electric Company Peninsula Clean Energy	
City of San Jose Clean Power Research Coast Economic Consulting Commercial Energy Crossborder Energy Crown Road Energy, LLC Davis Wright Tremaine LLP Day Carter Murphy		
Dept of General Services Don Pickett & Associates, Inc. Douglass & Liddell		