

PUBLIC UTILITIES COMMISSION

505 VAN NESS AVENUE



August 16, 2019

Advice Letter 5532-E/5532-E-A

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: Implementation of the New Schedule EV2, for Residential Electric Vehicle Charging, Pursuant to Decision 18-08-013

Dear Mr. Jacobson:

Advice Letter 5532-E and supplemental 5532-E-A are effective as of July 1, 2019.

Sincerely,

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

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

June 21, 2019

Advice 5532-E-A

(Pacific Gas and Electric Company ID U 39 E)

Public Utilities Commission of the State of California

Subject: Supplemental: Implementation of the New Schedule EV2, For Residential Electric Vehicle Charging, Pursuant to Decision 18-08-013

Purpose

Pacific Gas and Electric Company (PG&E) requests approval of the attached tariff for the new residential Rate Schedule EV2, Time of Use for Electric Vehicle Charging and Storage Customers, adopted in Decision (D.) 18-08-013. PG&E's final tariff is provided as Attachment 1. PG&E requests an effective date of July 1, 2019 for whole house service under Schedule EV2.

Background

On August 9, 2018, the California Public Utilities Commission (CPUC or Commission) issued D.18-08-013 in PG&E's Application to Revise Its Electric Marginal Costs, Revenue Allocation, and Rate Design. (Application 16-06-013). The decision accepts various settlement agreements that make significant changes to PG&E's rate designs. The decision adopted the Residential Rate Design Settlement which approved a significantly modified Electric Vehicle (EV) charging rate. On April 29, 2019, PG&E submitted a proforma tariff without rates for this new rate schedule in Advice Letter 5532-E. No protests were received associated with this proforma filing. On May 28, 2019, the advice letter was suspended. As described in Advice Letter 5532-E, PG&E would submit the tariff with rates in either the advice letter for overall rate changes on July 1, or in a supplement to that advice letter if the Commission had not issued a disposition letter by that time. Accordingly, in this supplemental Advice Letter, PG&E submits the tariff for the new Schedule EV2 which includes rates to be effective July 1, 2019.

Tariff Revisions

The new Schedule EV2 tariff is provided as Attachment 1. Apart from adding rates to the proforma tariff, no other changes have been made.

Protests

Pursuant to CPUC General Order 96-B, Section 7.5.1, PG&E hereby requests the protest period be waived.

Effective Date

Pursuant to General Order 96-B, Industry Rule 5.1, PG&E requests that this Tier 1 supplemental advice submittal become effective by July 1, 2019.

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 R.18-12-006 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 submittals can also be accessed electronically at: <http://www.pge.com/tariffs/>.

/S/

Erik Jacobson
Director, Regulatory Relations

Attachments

cc: Service List R.18-12-006 and 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) #: 5532-E-A

Tier Designation: 1

Subject of AL: Supplemental: Implementation of the New Schedule EV2, For Residential Electric Vehicle Charging, Pursuant to Decision 18-08-013

Keywords (choose from CPUC listing): Compliance, Tariffs

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

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 Appendix F: Confidentiality Declaration
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: 7/1/19

No. of tariff sheets: 7

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: New Electric Schedule EV2

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	
44507-E	ELECTRIC SCHEDULE EV2 RESIDENTIAL TIME-OF-USE SERVICE FOR PLUG-IN ELECTRIC VEHICLE CUSTOMERS Sheet 1	
44508-E	ELECTRIC SCHEDULE EV2 RESIDENTIAL TIME-OF-USE SERVICE FOR PLUG-IN ELECTRIC VEHICLE CUSTOMERS Sheet 2	
44509-E	ELECTRIC SCHEDULE EV2 RESIDENTIAL TIME-OF-USE SERVICE FOR PLUG-IN ELECTRIC VEHICLE CUSTOMERS Sheet 3	
44510-E	ELECTRIC SCHEDULE EV2 RESIDENTIAL TIME-OF-USE SERVICE FOR PLUG-IN ELECTRIC VEHICLE CUSTOMERS Sheet 4	
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44513-E	ELECTRIC TABLE OF CONTENTS Sheet 2	44171-E



**ELECTRIC SCHEDULE EV2
RESIDENTIAL TIME-OF-USE
SERVICE FOR PLUG-IN ELECTRIC VEHICLE CUSTOMERS**

Sheet 1

(N)
(N)
(N)

APPLICABILITY:

Except as noted below, this optional schedule applies to electric service to customers for whom Schedule E-1 applies and who have a currently registered Motor Vehicle, as defined by the California Motor Vehicle Code, which is a battery electric vehicle (BEV) or plug-in hybrid electric vehicle (PHEV) recharged via a recharging outlet at the customer's premises. This schedule is not available to customers with a conventional, charge sustaining (battery recharged solely from the vehicle's on-board generator) hybrid electric vehicle (HEV). Low speed electric vehicles and electrically powered motorcycles or bicycles, as defined by the California Motor Vehicle Code, are not eligible for this rate option. In addition, this schedule is available on a pilot basis to customers that have installed battery storage as described in Special Condition 8. Service under this schedule is provided at the sole option of PG&E and based upon the availability of metering equipment and customer infrastructure improvements necessary for charging.

(N)

Customers taking service on this rate schedule cannot exceed 800% of their annual baseline allowance, measured as the total usage for the customer over the last 12 months divided by the total annual baseline allowance using the approved baseline allowances for those months. Customers at premises with total usage in excess of 800 percent of baseline over 12 months will be moved to Schedule E-TOU-B and will be prohibited from taking service on any electric vehicle rate schedule for 12 months. Customers must have 12 months of consecutive usage on this Rate Schedule before being subject to the requirement of being moved from Schedule EV to Schedule E-TOU-B as a result of exceeding the 800 percent of baseline 12-month threshold.

The provisions of Schedule S—Standby Service Special Conditions 1 through 6 shall also apply to customers whose premises are regularly supplied in part (but not in whole) by electric energy from a nonutility source of supply. These customers will pay monthly reservation charges as specified under Section 1 of Schedule S, in addition to all applicable Schedule EV charges. See Special Condition 6 of this rate schedule for exemptions to standby charges.

This rate schedule applies to whole house service where the residential usage and the electric vehicle charging usage is metered together (that is, the electric vehicle charging usage is not metered separately.) Bills issued under Schedule EV2 will be identified as EV2A.

TERRITORY:

This rate schedule applies everywhere PG&E provides electric service.

RATES:

Total bundled service charges are calculated using the total rates below. Customers on this schedule are subject to the delivery minimum bill amount shown below applied to the delivery portion of the bill (i.e. to all rate components other than the generation rate). In addition, total bundled charges will include applicable generation charges per kWh for all kWh usage.

Direct Access (DA) and Community Choice Aggregation (CCA) charges shall be calculated in accordance with the paragraph in this rate schedule titled Billing.

(N)

(Continued)

Advice 5532-E-A
Decision 18-08-013

Issued by
Robert S. Kenney
Vice President, Regulatory Affairs

Submitted
Effective
Resolution

June 21, 2019
July 1, 2019



**ELECTRIC SCHEDULE EV2
RESIDENTIAL TIME-OF-USE
SERVICE FOR PLUG-IN ELECTRIC VEHICLE CUSTOMERS**

Sheet 2

(N)
(N)
(N)

RATES:(Cont'd.)

(N)

TOTAL RATE

Total Energy Rates (\$ per kWh)	PEAK	PART-PEAK	OFF-PEAK
Summer Usage	\$0.46883	\$0.35834	\$0.15633
Winter Usage	\$0.34172	\$0.32503	\$0.15633
Delivery Minimum Bill Amount (\$ per meter per day)		\$0.32854	
California Climate Credit (per household, per semi-annual payment occurring in the April and October bill cycles)		(\$27.70)	

Total bundled service charges shown on a customer's bills are unbundled according to the component rates shown below. Where the delivery minimum bill amount applies, the customer's bill will equal the sum of (1) the delivery minimum bill amount plus (2) for bundled service, the generation rate times the number of kWh used. For revenue accounting purposes, the revenues from the delivery minimum bill amount will be assigned to the Transmission, Transmission Rate Adjustments, Reliability Services, Public Purpose Programs, Nuclear Decommissioning, Competition Transition Charges, Energy Cost Recovery Amount, DWR Bond, and New System Generation Charges based on kWh usage times the corresponding unbundled rate component per kWh, with any residual revenue assigned to Distribution.***

UNBUNDLING OF TOTAL RATES

Energy Rates by Component (\$ per kWh)	PEAK	PART-PEAK	OFF-PEAK
Generation:			
Summer Usage	\$0.18585	\$0.14114	\$0.10000
Winter Usage	\$0.12897	\$0.11649	\$0.09301
Distribution**:			
Summer Usage	\$0.22931	\$0.16353	\$0.00266
Winter Usage	\$0.15908	\$0.15487	\$0.00965
Transmission* (all usage)	\$0.03025	\$0.03025	\$0.03025
Transmission Rate Adjustments* (all usage)	\$0.00325	\$0.00325	\$0.00325
Reliability Services* (all usage)	(\$0.00084)	(\$0.00084)	(\$0.00084)
Public Purpose Programs (all usage)	\$0.01240	\$0.01240	\$0.01240
Nuclear Decommissioning (all usage)	\$0.00088	\$0.00088	\$0.00088
Competition Transition Charges (all usage)	\$0.00110	\$0.00110	\$0.00110
Energy Cost Recovery Amount (all usage)	(\$0.00057)	(\$0.00057)	(\$0.00057)
DWR Bond (all usage)	\$0.00503	\$0.00503	\$0.00503
New System Generation Charge (all usage)**	\$0.00217	\$0.00217	\$0.00217

* Transmission, Transmission Rate Adjustments and Reliability Service charges are combined for presentation on customer bills.

** Distribution and New System Generation Charges are combined for presentation on customer bills.

*** This same assignment of revenues applies to direct access and community choice aggregation customers.

(N)

(Continued)



ELECTRIC SCHEDULE EV2
RESIDENTIAL TIME-OF-USE
SERVICE FOR PLUG-IN ELECTRIC VEHICLE CUSTOMERS

Sheet 3

(N)
(N)
(N)

SPECIAL
CONDITIONS:

1. TIME PERIODS: Times of the year and times of the day are defined as follows:
 - All Year:
 - Peak: 4:00 p.m. to 9:00 p.m. every day including weekends and holidays.
 - Partial-Peak: 3:00 p.m. to 4:00 p.m. and 9:00 p.m. to 12:00 a.m. every day including weekends and holidays.
 - Off-Peak: All other hours.
2. SEASONAL CHANGES: The summer season is June 1 through September 30 and the winter season is October 1 through May 31. When billing includes use in both the summer and winter periods, charges will be prorated based upon the number of days in each period.
3. ADDITIONAL METERS: If a residential dwelling unit is served by more than one electric meter, the customer must designate which meter is the primary meter and which is (are) the additional meter(s).
4. BILLING: A customer's bill is calculated based on the option applicable to the customer.

(N)

Bundled Service Customers receive supply and delivery services solely from PG&E. The customer's bill is based on the Total Rates set forth above.

Transitional Bundled Service Customers take transitional bundled service as prescribed in Rules 22.1 and 23.1, or take bundled service prior to the end of the six (6) month advance notice period required to elect bundled portfolio service as prescribed in Rules 22.1 and 23.1. These customers shall pay charges for transmission, transmission rate adjustments, reliability services, distribution, nuclear decommissioning, public purpose programs, the new system generation charge, the applicable Cost Responsibility Surcharge (CRS) pursuant to Schedule DA CRS or Schedule CCA CRS, and short-term commodity prices as set forth in Schedule TBCC.

(N)

(Continued)

Advice 5532-E-A
Decision 18-08-013

Issued by
Robert S. Kenney
Vice President, Regulatory Affairs

Submitted
Effective
Resolution

June 21, 2019
July 1, 2019



ELECTRIC SCHEDULE EV2
RESIDENTIAL TIME-OF-USE
SERVICE FOR PLUG-IN ELECTRIC VEHICLE CUSTOMERS

Sheet 4

(N)
(N)
(N)

SPECIAL
CONDITIONS:
(Cont'd.)

4. BILLING (Cont'd.):

(N)

Direct Access (DA) and Community Choice Aggregation (CCA) Customers purchase energy from their non-utility provider and continue receiving delivery services from PG&E. Bills are equal to the sum of charges for transmission, transmission rate adjustments, reliability services, distribution, public purpose programs, nuclear decommissioning, the new system generation charge, the franchise fee surcharge, and the applicable CRS. The CRS is equal to the sum of the individual charges set forth below. Exemptions to the CRS, including exemptions continuous DA service, are set forth in Schedules DA CRS and CCA CRS.

	<u>DA / CCA CRS</u>
Energy Cost Recovery Amount Charge (per kWh)	(\$0.00057)
DWR Bond Charge (per kWh)	\$0.00503
CTC Charge (per kWh)	\$0.00110
Power Charge Indifference Adjustment (per kWh)	
2009 Vintage	\$0.02105
2010 Vintage	\$0.02450
2011 Vintage	\$0.02553
2012 Vintage	\$0.02674
2013 Vintage	\$0.02695
2014 Vintage	\$0.02698
2015 Vintage	\$0.02706
2016 Vintage	\$0.02695
2017 Vintage	\$0.02701
2018 Vintage	\$0.02709
2019 Vintage	\$0.02979

(N)

(Continued)

Advice 5532-E-A
Decision 18-08-013

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Vice President, Regulatory Affairs

Submitted
Effective
Resolution

June 21, 2019
July 1, 2019



ELECTRIC TABLE OF CONTENTS

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(Continued)

Advice 5532-E-A
Decision 18-08-013

Issued by
Robert S. Kenney
Vice President, Regulatory Affairs

Submitted June 21, 2019
Effective July 1, 2019
Resolution _____

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