

PUBLIC UTILITIES COMMISSION

505 VAN NESS AVENUE



May 5, 2020

**Advice Letter 5753-E and 5753-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: Joint Submittal: Proposed Survey to Measure Impact of Assembly Bill 1082  
Transportation Electrification Pilot.**

Dear Mr. Jacobson:

Advice Letter 5753-E and 5753-E-A is approved as of March 6, 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

April 2, 2020

**ADVICE 4158-E-A**

(Southern California Edison Company U 338-E)

**Advice 5753-E-A**

(Pacific Gas and Electric Company ID U 39 E)

**Advice 3504-E-A**

(San Diego Gas and Electric Company ID U 902 E)

**Advice 136-E-A**

(Liberty Utilities ID U 933-E)

PUBLIC UTILITIES COMMISSION OF THE STATE OF CALIFORNIA  
ENERGY DIVISION

**SUBJECT:** Supplement to Advice 4158-E et al., Proposed Survey to  
Measure Impact of Assembly Bill 1082 Transportation  
Electrification Pilot

Southern California Edison Company (SCE), on behalf of itself, Pacific Gas and Electric Company (PG&E), San Diego Gas & Electric Company (SDG&E), and Liberty Utilities (Liberty) (jointly, the Utilities), hereby submits for filing the following changes for Commission approval a survey (Survey) to measure electric vehicle (EV) adoption at participating sites for the approved Assembly Bill (AB) 1082 pilot programs.

The revised proposed survey is on Attachment A (clean version) and Attachment B (redline version) are attached hereto.

**PURPOSE**

The purpose of this advice letter is to make changes to the proposed survey originally contained within Advice 4158-E et al, submitted on February 5, 2020. SCE updates the proposed survey to incorporate feedback from Energy Division in order to make the survey clearer and more useful for survey recipients. The updates are shown in redlines in Attachment B. These changes are made in accordance with General Order (GO) 96-B, General Rules 7.5.1, which authorizes utilities to make additional changes to an advice letter through the submittal of a supplemental advice letter.

This advice letter supplements in part and will not change the substance of the original Advice 4158-E.

### **TIER DESIGNATION**

Pursuant to GO 96-B, Energy Industry Rule 5.2, this advice letter is submitted with a Tier 2 designation, which is the same Tier designation as the original advice letter, Advice 4158-E.

### **EFFECTIVE DATE**

This supplemental advice letter will become effective on the same day as the original advice letter, Advice 4158-E, which is March 6, 2020.

### **PROTESTS**

SCE asks that the Commission, pursuant to GO 96-B, General Rules 7.5.1, maintain the original protest and comment period designated in Advice 4158-E and not reopen the protest period. The modifications included in this supplemental advice letter do not make substantive changes that would affect the overall evaluation of the submittal.

### **NOTICE**

In accordance with General Rule 4 of GO 96-B, SCE is serving copies of this advice letter to the interested parties shown on the attached GO 96-B and A.18-07-020 et al service lists. Address change requests to the GO 96-B service list should be directed by electronic mail to [AdviceTariffManager@sce.com](mailto:AdviceTariffManager@sce.com) or at (626) 302-4039. For changes to all other service lists, please contact the Commission's Process Office at (415) 703-2021 or by electronic mail at [Process\\_Office@cpuc.ca.gov](mailto:Process_Office@cpuc.ca.gov).

Further, in accordance with Public Utilities Code Section 491, notice to the public is hereby given by submitting and keeping the advice letter at SCE's corporate headquarters. To view other SCE advice letters submitted with the Commission, log on to SCE's web site at <https://www.sce.com/wps/portal/home/regulatory/advice-letters>.

For questions, please contact Ka-Wing Maggie Poon at (626) 302-1194 or by electronic mail at [ka-wing.poon@sce.com](mailto:ka-wing.poon@sce.com)

**Southern California Edison Company**

/s/ Gary A. Stern, Ph.D.  
Gary A Stern, Ph.D.

GAS:kp:jm  
Enclosures



# ADVICE LETTER SUMMARY

ENERGY UTILITY



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

Company name/CPUC Utility No.: Southern California Edison Company (U 338-E)

Utility type:

☒ ELC ☐ GAS ☐ WATER  
☐ PLC ☐ HEAT

Contact Person: Darrah Morgan

Phone #: (626) 302-2086

E-mail: AdviceTariffManager@sce.com

E-mail Disposition Notice to: AdviceTariffManager@sce.com

EXPLANATION OF UTILITY TYPE

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

(Date Submitted / Received Stamp by CPUC)

Advice Letter (AL) #: 4158-E-A

Tier Designation: 2

Subject of AL:

Supplement to Advice 4158-E et al, Proposed Survey to Measure Impact of Assembly Bill 1082 Transportation Electrification Pilot (No protest period)

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 #: Decision 19-11-017

Does AL replace a withdrawn or rejected AL? If so, identify the prior AL:

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

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: 3/6/2020

No. of tariff sheets: -0-

Estimated system annual revenue effect (%):

Estimated system average rate effect (%):

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: None

Service affected and changes proposed<sup>1</sup>:

Pending advice letters that revise the same tariff sheets: None

<sup>1</sup>Discuss 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](mailto:EDTariffUnit@cpuc.ca.gov)

Name: Gary A. Stern, Ph.D.  
Title: Managing Director, State Regulatory Operations  
Utility Name: Southern California Edison Company  
Address: 8631 Rush Street  
City: Rosemead  
State: California Zip: 91770  
Telephone (xxx) xxx-xxxx: (626) 302-9645  
Facsimile (xxx) xxx-xxxx: (626) 302-6396  
Email: [advicetariffmanager@sce.com](mailto:advicetariffmanager@sce.com)

Name: Laura Genao c/o Karyn Gansecki  
Title: Managing Director, State Regulatory Affairs  
Utility Name: Southern California Edison Company  
Address: 601 Van Ness Avenue, Suite 2030  
City: San Francisco  
State: California Zip: 94102  
Telephone (xxx) xxx-xxxx: (415) 929-5515  
Facsimile (xxx) xxx-xxxx: (415) 929-5544  
Email: [karyn.gansecki@sce.com](mailto:karyn.gansecki@sce.com)

Clear Form

## ENERGY Advice Letter Keywords

Affiliate	Direct Access	Preliminary Statement
Agreements	Disconnect Service	Procurement
Agriculture	ECAC / Energy Cost Adjustment	Qualifying Facility
Avoided Cost	EOR / Enhanced Oil Recovery	Rebates
Balancing Account	Energy Charge	Refunds
Baseline	Energy Efficiency	Reliability
Bilingual	Establish Service	Re-MAT/Bio-MAT
Billings	Expand Service Area	Revenue Allocation
Bioenergy	Forms	Rule 21
Brokerage Fees	Franchise Fee / User Tax	Rules
CARE	G.O. 131-D	Section 851
CPUC Reimbursement Fee	GRC / General Rate Case	Self Generation
Capacity	Hazardous Waste	Service Area Map
Cogeneration	Increase Rates	Service Outage
Compliance	Interruptible Service	Solar
Conditions of Service	Interutility Transportation	Standby Service
Connection	LIEE / Low-Income Energy Efficiency	Storage
Conservation	LIRA / Low-Income Ratepayer Assistance	Street Lights
Consolidate Tariffs	Late Payment Charge	Surcharges
Contracts	Line Extensions	Tariffs
Core	Memorandum Account	Taxes
Credit	Metered Energy Efficiency	Text Changes
Curtailable Service	Metering	Transformer
Customer Charge	Mobile Home Parks	Transition Cost
Customer Owned Generation	Name Change	Transmission Lines
Decrease Rates	Non-Core	Transportation Electrification
Demand Charge	Non-firm Service Contracts	Transportation Rates
Demand Side Fund	Nuclear	Undergrounding
Demand Side Management	Oil Pipelines	Voltage Discount
Demand Side Response	PBR / Performance Based Ratemaking	Wind Power
Deposits	Portfolio	Withdrawal of Service
Depreciation	Power Lines	

**ATTACHMENT A**  
**(Clean Version)**

## SURVEY QUESTIONNAIRE

### School Role

1. How are you related to <insert school name> school?
  - ☐ Student
  - ☐ School Staff
  - ☐ Parent of a student
  - ☐ Visitor
  - ☐ Other (please specify) \_\_\_\_\_

### School Arrival and Departure Time

*ASK IF Q1 = Student, School Staff, Visitor, Other*

2. At what time do you typically arrive at the school?
  - ☐ 7:00 a.m. or earlier
  - ☐ 7:01 – 7:30 a.m.
  - ☐ 7:31 – 8:00 a.m.
  - ☐ 8:01 – 8:30 a.m.
  - ☐ 8:31 a.m. or later
3. At what time do you typically leave the school?
  - ☐ 12:00 p.m. (noon) or earlier
  - ☐ 12:01 – 2:00 p.m.
  - ☐ 2:01 – 4:00 p.m.
  - ☐ 4:01 – 6:00 p.m.
  - ☐ 6:01 p.m. or later

*ASK IF Q1 = Parent*

4. At what time do you typically drop off your student at the school?
  - ☐ 7:00 a.m. or earlier
  - ☐ 7:01 – 7:30 a.m.
  - ☐ 7:31 – 8:00 a.m.
  - ☐ 8:01 – 8:30 a.m.
  - ☐ 8:31 a.m. or later
5. At what time do you typically pick up your student from the school?
  - ☐ 12:00 p.m. (noon) or earlier
  - ☐ 12:01 – 2:00 p.m.
  - ☐ 2:01 – 4:00 p.m.
  - ☐ 4:01 – 6:00 p.m.
  - ☐ 6:01 p.m. or later

### Length of Commute

6. How many miles is your one-way commute to the school?
  - ☐ Less than 5 miles
  - ☐ 5-19 miles
  - ☐ 20-49 miles
  - ☐ 50 or more miles



- Not applicable

### **Ownership of EV**

7. Do you own (or lease) an electric vehicle (EV)?

NOTE: By electric vehicle, we mean either a Battery Electric Vehicle (BEV) that uses electricity only (no gasoline) or a Plug-In Hybrid Electric Vehicle (PHEV) that uses both gasoline and electricity. Hybrid vehicles are only considered to be EVs if they plug-in to charge.

- Yes, I own / lease a BEV / PHEV
- No, but I previously owned / leased a BEV / PHEV
- No, but I considered owning / leasing a BEV / PHEV
- No, I do not have any plans to own / lease a BEV / PHEV

### **Housing Characteristics**

8. Which of the following describes the type of home you currently live in?

- Single family home; own
- Single family home; rent
- Multi-unit dwelling; own
- Multi-unit dwelling; rent
- Other (please specify) \_\_\_\_\_

9. Which of the following describes the parking situation at your home?

- Personal driveway or personal garage
- Reserved space in private lot or garage
- Unreserved space in private lot or garage
- Public lot or garage
- Permitted street parking
- Unpermitted street parking

### **EV OWNERS**

#### **EV Make and Model**

ASK IF Q7: OWN EV = Yes

10. What is the make and model of your EV?

#### **How Often Drive EV to School**

11. How often do you drive your EV to the school?

- 4 or 5 days a week / everyday
- 2 or 3 days a week
- Once a week or less often
- Never

### Where Charge EV

12. Where do you charge your EV? Select all that apply.

- ☐ At home
- ☐ At the school
- ☐ At work (other than the school)
- ☐ Elsewhere (please specify) \_\_\_\_\_

13. What percentage of your charging sessions occur at?

- ☐ Home \_\_\_\_\_%
- ☐ School \_\_\_\_\_%
- ☐ Work \_\_\_\_\_%
- ☐ Other \_\_\_\_\_%

### How Often Charge EV at School

*ASK IF Q12 = At the school*

14. How often do you currently charge your EV at the school?

- ☐ 4 or 5 days a week / everyday
- ☐ 2 or 3 days a week
- ☐ Once a week or less often
- ☐ Never

15. How much total time do you spend charging at the school each week?

- ☐ Less than 2 hours
- ☐ 2-5 hours
- ☐ 5-8 hours
- ☐ More than 8 hours

### Reasons for Never Driving EV to School

*ASK IF Q11: FREQUENCY OF DRIVING EV = Never*

16. Please indicate the reasons why you do not drive your EV to the school. Select all that apply.

*PROG: RANDOMIZE OPTIONS EXCEPT "OTHER"*

- ☐ Battery range is too short for my commute to the school
- ☐ Not enough charging stations available at the school
- ☐ I am not the primary driver of the EV
- ☐ Other (please specify) \_\_\_\_\_

### Main Reason for Not Charging Often or At All at the School

*ASK IF Q14: FREQUENCY OF CHARGING EV = Once a week or less often OR Never*

17. What is the main reason why you do not charge your EV at the school more often/at all?

*PROG: RANDOMIZE OPTIONS EXCEPT "OTHER"*

- ☐ Too expensive to charge my EV at the school
- ☐ Not enough charging stations at the school
- ☐ Not aware of charging stations at the school
- ☐ Installed charging at home, no need to charge on campus
- ☐ Other (please specify) \_\_\_\_\_

### **Pricing for Using Charging Stations**

*ASK IF Q14: FREQUENCY OF CHARGING EV is NOT = Never*

18. What type of fee, if any, do you pay for using the charging stations at the school?

- ☐ No fee (free of charge)
- ☐ Flat fee per charging session (regardless of energy used or time spent)
- ☐ Flat fee per period (hour, day, week, month, etc.)
- ☐ Fee based on amount of time it takes to charge
- ☐ Fee based on amount of energy used (kWh)
- ☐ Other (please specify) \_\_\_\_\_
- ☐ Not sure

19. How satisfied are you with the price you pay for using the charging stations at the school?

- ☐ 1 – Not satisfied at all
- ☐ 2 – Somewhat satisfied
- ☐ 3 – Satisfied
- ☐ 4 – Very satisfied
- ☐ 5 – Completely satisfied

*ASK IF Q19 = 1, 2 or 3 (Less satisfied)*

20. Please share why you gave that rating.

\_\_\_\_\_

21. Do you have access to home charging?

- ☐ Yes
- ☐ No

*ASK IF Q21 = YES*

22. What type of EV charging do you have at home?

- ☐ Yes, Level 1 charging (regular outlet plug) (110 – 120 volts)
- ☐ Yes, Level 2 charging (210-220 volts)
- ☐ Not sure

*ASK IF Q21 = NO*

23. What factors limit your ability to install home charging?

- ☐ Cost

- Multifamily unit
- Space
- Lack of parking options
- Other (please specify) \_\_\_\_\_

### **Impact of EV Charging Stations on Buying / Leasing EV**

24. How influential was the availability of EV charging stations at the school on your decision to purchase or lease an EV?

- 1 – Not at all influential
- 2 – Somewhat influential
- 3 – Very influential
- 4 – Extremely influential
- Not sure

25. How has the availability of EVSEs at the school influenced your decision to purchase or lease an EV?

- Eased battery range concerns
- Affordable to charge EV at the school
- Don't have home charging options
- More convenient to charge at the school (versus going to a gas station)
- Other (please specify) \_\_\_\_\_

### **NON-EV OWNERS**

#### **Impact of Charging Stations on EV Purchase Decision**

*ASK IF Q7: EV OWNERSHIP = No*

26. How influential is the availability of EV charging station at the school on your decision to purchase or lease an EV?

- 1 – Not at all influential
- 2 – Somewhat influential
- 3 – Very influential
- 4 – Extremely influential
- Not sure

27. Did the placement of EV charging stations at your school increase your awareness of electric vehicles?

- Yes
- No
- Not sure

#### **Intent to Buy EV in Next 2 Years**

*ASK IF Q26: Impact of Charging Stations on EV Purchase Decision = Very or Extremely influential*

28. How likely are you to purchase or lease an EV in the next two years?

- Very likely to purchase an EV in the next 2 years
- Somewhat likely
- Not very likely
- Not at all likely to purchase an EV in the next 2 years

### **Reasons for NOT Likely to Purchase EV in Next 2 Years**

*ASK IF Q28: Intent to Buy EV in Next 2 Years = Not very likely or Not at all likely*

29. Why are you NOT likely to purchase an EV in the next two years? Select all that apply.

*PROG: RANDOMIZE OPTIONS EXCEPT "OTHER"*

- High cost
- Do not need a new or additional vehicle
- Battery range concerns
- Other (please specify) \_\_\_\_\_

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## **DEMOGRAPHICS**

**Thank you for all your answers. The last few questions are for classification purposes only.**

30. Which city do you live in?

\_\_\_\_\_

31. Which of the following best describes your ethnic background?

- White or Caucasian
- African American or Black
- Asian or Pacific Islander
- Native American
- Hispanic or Latino, including Spanish, Mexican or Puerto Rican
- Multi-ethnic or multi-racial
- Other (please specify) \_\_\_\_\_
- Prefer not to answer

32. What is the highest level of education you have completed?

- Some high school or less
- High school graduate
- Some college
- Vocational or technical school
- College graduate
- Graduate school or advanced degree
- Prefer not to answer

33. What is your age group?

- ☐ Less than 18 years old
- ☐ 18-24
- ☐ 25-34
- ☐ 35-54
- ☐ 55+ years old
- ☐ Prefer not to answer

34. Which of the following includes your total annual household income?

- ☐ Less than \$25,000
- ☐ \$25,000 but less than \$50,000
- ☐ \$50,000 but less than \$75,000
- ☐ \$75,000 but less than \$100,000
- ☐ \$100,000 but less than \$150,000
- ☐ \$150,000 or more
- ☐ Prefer not to answer

35. What is your gender?

- ☐ Male
- ☐ Female
- ☐ Prefer not to answer

**ATTACHMENT B**  
**(Redlined Version)**

## SURVEY QUESTIONNAIRE

### School Role

1. How are you related to <insert school name> school?

- ☐ Student
- ☐ ~~Educator (e.g. teacher, principal)~~
- ☐ ~~Administrative associate~~
- ☐ ~~Facilities associate~~
- ☐ School Staff
- ☐ Parent of a student
- ☐ Visitor
- ☐ Other (please specify) \_\_\_\_\_

### School Arrival and Departure Time

ASK IF Q1 = Student, ~~Educator (e.g. teacher, principal), Administrative associate, Facilities associate~~ School Staff, Visitor, Other

2. At what time do you typically arrive at the school?

- ☐ 7:00 a.m. or earlier
- ☐ 7:01 – 7:30 a.m.
- ☐ 7:31 – 8:00 a.m.
- ☐ 8:01 – 8:30 a.m.
- ☐ 8:31 a.m. or later

3. At what time do you typically leave the school?

- ☐ ~~12:00 p.m. (noon) or earlier~~
- ☐ ~~12:00 – 1:00 p.m.~~
- ☐ ~~1:01 – 2:00 p.m.~~
- ☐ ~~2:01 – 3:00 p.m.~~
- ☐ ~~3:01 – 4:00 p.m.~~
- ☐ ~~4:01 – 5:00 p.m.~~
- ☐ ~~5:01 – 6:00 p.m.~~
- ☐ ~~6:01 p.m. or later~~
- ☐ 12:00 p.m. (noon) or earlier
- ☐ 12:01 – 2:00 p.m.
- ☐ 2:01 – 4:00 p.m.
- ☐ 4:01 – 6:00 p.m.
- ☐ 6:01 p.m. or later

ASK IF Q1 = Parent

4. At what time do you typically drop off your student at the school?

- ☐ 7:00 a.m. or earlier
- ☐ 7:01 – 7:30 a.m.
- ☐ 7:31 – 8:00 a.m.
- ☐ 8:01 – 8:30 a.m.
- ☐ 8:31 a.m. or later

5. At what time do you typically pick up your student from the school?



- ☐ ~~12:00 p.m. (noon) or earlier~~
- ☐ ~~12:00 – 1:00 p.m.~~
- ☐ ~~1:01 – 2:00 p.m.~~
- ☐ ~~2:01 – 3:00 p.m.~~
- ☐ ~~3:01 – 4:00 p.m.~~
- ☐ ~~4:01 – 5:00 p.m.~~
- ☐ ~~5:01 – 6:00 p.m.~~
- ☐ ~~6:01 p.m. or later~~
- ☐ 12:00 p.m. (noon) or earlier
- ☐ 12:01 – 2:00 p.m.
- ☐ 2:01 – 4:00 p.m.
- ☐ 4:01 – 6:00 p.m.
- ☐ 6:01 p.m. or later

### Length of Commute

6. How many miles is your one-way commute to the school?

- ☐ ~~Less than 5 miles~~
- ☐ ~~5-9 miles~~
- ☐ ~~10-19 miles~~
- ☐ ~~20-29 miles~~
- ☐ ~~30-39 miles~~
- ☐ ~~40-49 miles~~
- ☐ ~~50 or more miles~~
- ☐ ~~Not applicable~~
- ☐ Less than 5 miles
- ☐ 5-19 miles
- ☐ 20-49 miles
- ☐ 50 or more miles
- ☐ Not applicable

### Ownership of EV

7. Do you own (or lease) an electric vehicle (EV)?

NOTE: By electric vehicle, we mean either a Battery Electric Vehicle (BEV) that uses electricity only (no gasoline) or a Plug-In Hybrid Electric Vehicle (PHEV) that uses both gasoline and electricity. Hybrid vehicles are only considered to be EVs if they plug-in to charge.

- ☐ ~~Yes, I own a Battery Electric Vehicle (does not use gasoline) (e.g., Nissan LEAF, Tesla, etc.)~~
- ☐ ~~Yes, I own a Plug-in Hybrid Electric Vehicle (e.g., Prius Plug-in, Chevy Volt, etc.)~~
- ☐ ~~Yes, I own **both** a BEV (does not use gasoline) **and** a PHEV (plugs in and uses both gasoline and electricity)~~
- ☐ ~~No, I do not own an electric vehicle (EV)~~
- ☐ Yes, I own / lease a BEV / PHEV
- ☐ No, but I previously owned / leased a BEV / PHEV

- ☐ No, but I considered owning / leasing a BEV / PHEV
- ☐ No, I do not have any **plans** to own / lease a BEV / PHEV

### **Housing Characteristics**

8. Which of the following describes the type of home you currently live in?

- ☐ Single family home; own
- ☐ Single family home; rent
- ☐ Multi-unit dwelling; own
- ☐ Multi-unit dwelling; rent
- ☐ Other (please specify) \_\_\_\_\_

9. Which of the following describes the parking situation at your home?

- ☐ Personal driveway or personal garage
- ☐ Reserved space in private lot or garage
- ☐ Unreserved space in private lot or garage
- ☐ Public lot or garage
- ☐ Permitted street parking
- ☐ Unpermitted street parking

### **EV OWNERS**

#### **EV Make and Model**

ASK IF Q7: OWN EV (PHEV, BEV, OR BOTH) = Yes

8-10. What is the make and model of your EV?

#### **How Often Drive EV to School**

9-11. How often do you drive your EV to the school?

- ☐ 4 or 5 days a week / everyday
- ☐ 2 or 3 days a week
- ☐ Once a week or less often
- ☐ Never

#### **Where Charge EV**

10-12. Where do you charge your EV? Select all that apply.

- ☐ At home
- ☐ At the school
- ☐ At work (other than the school)
- ☐ Elsewhere (please specify) \_\_\_\_\_

13. What percentage of your charging sessions occur at?

- ☐ Home \_\_\_\_\_ %
- ☐ School \_\_\_\_\_ %

- ☐ Work \_\_\_\_\_ %
- ☐ Other \_\_\_\_\_ %

### How Often Charge EV at School

ASK IF Q10-Q12 = At the school

11.14. How often do you currently charge your EV at the school?

- ☐ 4 or 5 days a week / everyday
- ☐ 2 or 3 days a week
- ☐ Once a week or less often
- ☐ Never

15. How much total time do you spend charging at the school each week?

- ☐ Less than 2 hours
- ☐ 2-5 hours
- ☐ 5-8 hours
- ☐ More than 8 hours

### Reasons for Never Driving EV to School

ASK IF Q9Q11: FREQUENCY OF DRIVING EV = Never

12.16. Please indicate the reasons why you do not drive your EV to the school. Select all that apply.

PROG: RANDOMIZE OPTIONS EXCEPT "OTHER"

- ☐ Battery range is too short for my commute to the school
- ☐ Not enough charging stations available at the school
- ☐ I am not the primary driver of the EV
- ☐ Other (please specify) \_\_\_\_\_

### Main Reason for Not Charging Often or At All at the School

ASK IF Q11Q14: FREQUENCY OF CHARGING EV = Once a week or less often OR Never

13.17. What is the main reason why you do not charge your EV at the school more often/at all?

PROG: RANDOMIZE OPTIONS EXCEPT "OTHER"

- ☐ Too expensive to charge my EV at the school
- ☐ Not enough charging stations at the school
- ☐ Not aware of charging stations at the school
- ☐ Installed charging at home, no need to charge on campus
- ☐ Other (please specify) \_\_\_\_\_
- ☐ ~~Do not drive my EV to the school every day~~
- ☐ ~~Too expensive to charge my EV at the school~~
- ☐ ~~Not enough charging stations at the school~~
- ☐ ~~Not aware of charging stations at the school~~
- ☐ ~~Installed charging at home, no need to charge on campus~~

- ☐ ~~Do not spend a lot of time at the school~~
- ☐ ~~Other (please specify) \_\_\_\_\_~~

### Pricing for Using Charging Stations

ASK IF ~~Q11~~Q14: FREQUENCY OF CHARGING EV is NOT = Never

14.18. What type of fee, if any, do you pay for using the charging stations at the school?

- ☐ No fee (free of charge)
- ☐ Flat fee per charging session (regardless of energy used or time spent)
- ☐ Flat fee per period (hour, day, week, month, etc.)
- ☐ Fee based on amount of time it takes to charge
- ☐ Fee based on amount of energy used (kWh)
- ☐ Other (please specify) \_\_\_\_\_
- ☐ Not sure

15.19. How satisfied are you with the price you pay for using the charging stations at the school?

- ☐ 1 – Not satisfied at all
- ☐ 2 – Somewhat satisfied
- ☐ 3 – Satisfied
- ☐ 4 – Very satisfied
- ☐ 5 – Completely satisfied

ASK IF ~~Q15~~Q19 = 1, 2 or 3 (Less satisfied)

16.20. Please share why you gave that rating.

\_\_\_\_\_

21. Do you have access to home charging?

- ☐ Yes
- ☐ No

ASK IF Q21 = YES

17.22. What type of EV charging do you have at home?

- ☐ Yes, Level 1 charging (regular outlet plug) (110 – 120 volts)
- ☐ Yes, Level 2 charging (210-220 volts)
- ☐ Not sure

ASK IF Q21 = NO

23. What factors limit your ability to install home charging?

- ☐ Cost
- ☐ Multifamily unit
- ☐ Space
- ☐ Lack of parking options

- ☐ Other (please specify) \_\_\_\_\_

## Impact of EV Charging Stations on Buying / Leasing EV

18-24. How influential was the availability of EV charging stations at the school on your decision to purchase or lease an EV?

- ☐ 1 – Not at all influential
- ☐ 2 – Somewhat influential
- ☐ 3 – Very influential
- ☐ 4 – Extremely influential
- ☐ Not sure

25. How has the availability of EVSEs at the school influenced your decision to purchase or lease an EV?

- ☐ Eased battery range concerns
- ☐ Affordable to charge EV at the school
- ☐ Don't have home charging options
- ☐ More convenient to charge at the school (versus going to a gas station)
- ☐ Other (please specify) \_\_\_\_\_

## NON-EV OWNERS

### Impact of Charging Stations on EV Purchase Decision

ASK IF Q7: EV OWNERSHIP = No

19. Did the placement of EV charging stations at your school increase your awareness of electric vehicles?

- ☐ Yes
- ☐ No
- ☐ Not sure

20-26. How influential would the availability of EV charging stations at the school be on your decision to purchase or lease an EV? How influential is the availability of EV charging station at the school on your decision to purchase or lease an EV?

- ☐ 1 – Not at all influential
- ☐ 2 – Somewhat influential
- ☐ 3 – Very influential
- ☐ 4 – Extremely influential
- ☐ Not sure

27. Did the placement of EV charging stations at your school increase your awareness of electric vehicles?

- ☐ Yes
- ☐ No

- ☐ [Not sure](#)

### Intent to Buy EV in Next 2 Years

ASK IF [Q20Q26](#): Impact of Charging Stations on EV Purchase Decision = Very or Extremely influential

~~24-28.~~ How likely are you to purchase or lease an EV in the next two years?

- ☐ Very likely to purchase an EV in the next 2 years
- ☐ Somewhat likely
- ☐ Not very likely
- ☐ Not at all likely to purchase an EV in the next 2 years

### Reasons for NOT Likely to Purchase EV in Next 2 Years

ASK IF [Q24Q28](#): Intent to Buy EV in Next 2 Years = Not very likely or Not at all likely

~~22-29.~~ Why are you NOT likely to purchase an EV in the next two years? Select all that apply.

PROG: RANDOMIZE OPTIONS EXCEPT "OTHER"

- ☐ High cost ([upfront and/or maintenance](#))
- ☐ Do not need a new or additional vehicle
- ☐ ~~Too short battery range for my commute to the school~~
- ☐ ~~Not enough accessible charging stations at the school~~
- ☐ [Battery range concerns](#)
- ☐ Other (please specify) \_\_\_\_\_

### ELECTRIC BUS — AWARENESS AND FREQUENCY OF RIDING / LIKELIHOOD TO RIDE

~~23. Do you ride the school bus?~~

- ☐ ~~Yes~~
- ☐ ~~No (SKIP TO Q28)~~

~~ASK IF Q23 = YES~~

~~24. Does your school have an electric bus?~~

- ☐ ~~Yes~~
- ☐ ~~No~~
- ☐ ~~Not sure~~

~~ASK IF Q24 = YES~~

~~25. Do you ride the electric bus?~~

- ☐ Yes
- ☐ No

~~ASK IF Q24 = No~~

~~26. How likely are you to ride the electric school bus in the next 6 months?~~

- ~~☐ 1 Not at all likely~~
- ~~☐ 2 Somewhat likely~~
- ~~☐ 3 Very likely~~
- ~~☐ 4 Extremely likely~~

~~ASK IF Q26 = Not all likely OR Somewhat likely~~

~~27. Why are you NOT likely to ride the electric school bus in the next 6 months?~~

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## DEMOGRAPHICS

Thank you for all your answers. The last few questions are for classification purposes only.

~~28-30.~~ Which city do you live in?

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~~29-31.~~ Which of the following best describes your ethnic background?

- ☐ White or Caucasian
- ☐ African American or Black
- ☐ Asian or Pacific Islander
- ☐ Native American
- ☐ Hispanic or Latino, including Spanish, Mexican or Puerto Rican
- ☐ Multi-ethnic or multi-racial
- ☐ Other (please specify) \_\_\_\_\_
- ☐ Prefer not to answer

~~30-32.~~ What is the highest level of education you have completed?

- ☐ Some high school or less
- ☐ High school graduate
- ☐ Some college
- ☐ Vocational or technical school
- ☐ College graduate
- ☐ Graduate school or advanced degree
- ☐ Prefer not to answer

~~31-33.~~ What is your age group?

- ☐ Less than 18 years old
- ☐ 18-24
- ☐ 25-34
- ☐ 35-54
- ☐ 55+ years old
- ☐ Prefer not to answer

~~32~~.34. Which of the following includes your total annual household income?

- ☐ Less than \$25,000
- ☐ \$25,000 but less than \$50,000
- ☐ \$50,000 but less than \$75,000
- ☐ \$75,000 but less than \$100,000
- ☐ \$100,000 but less than \$150,000
- ☐ \$150,000 or more
- ☐ Prefer not to answer

~~33~~.35. What is your gender?

- ☐ Male
- ☐ Female
- ☐ Prefer not to answer



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