

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



Pacific Gas & Electric Company
ELC (Corp ID 39)
Status of Advice Letter 4270G/5867E
As of August 5, 2020

Subject: PG&E's Annual Advanced Energy Rebuild Advice Letter in Compliance with Commission Disposition

Division Assigned: Energy

Date Filed: 06-30-2020

Date to Calendar: 07-03-2020

Authorizing Documents: None

Disposition:	Accepted
Effective Date:	07-31-2020

Resolution Required: No

Resolution Number: None

Commission Meeting Date: None

CPUC Contact Information:

edtariffunit@cpuc.ca.gov

AL Certificate Contact Information:

Kimberly Loo

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- Disposition of Filing (Accepted, Rejected, Withdrawn, etc.)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

June 30, 2020

Advice 4270-G/5867-E

(Pacific Gas and Electric Company ID U 39 M)

Public Utilities Commission of the State of California

Subject: PG&E's Annual Advanced Energy Rebuild Advice Letter in Compliance with Commission Disposition

Purpose

Pacific Gas and Electric Company (PG&E) hereby submits the second annual Advice Letter in compliance with the California Public Utilities Commission (Commission or CPUC) disposition approving the provisions of Advice 3928-G/5219-E and Supplemental Advice 3928-G/5219-E-A, which allow PG&E to offer increased incentives and program enhancements for structures destroyed by wildfires in 2017 and 2018 that will be rebuilt under 2016 and 2019 Title 24 building code. This offering is known as Advanced Energy Rebuild (AER).

Background

On April 27, 2018, the Commission approved the following requests included in PG&E Advice 3928-G/5219-E "Request for Energy Efficiency Program Enhancements to Assist October 2017 Wildfire Impacted Customers" and Supplemental Advice 3928-G-A/5219-E-A:

1. Double residential new construction incentives and increase technical support.
2. Increase non-residential new construction incentive cap and design assistance.
3. Allow the California Advanced Homes Program (CAHP) to apply to in-law units.
4. Evaluate program enhancements every two years.

The enhanced program offerings, known as Advanced Energy Rebuild (AER), were made available to serve customers with destroyed homes or businesses in the eight counties impacted by the October 2017 wildfires. On March 19, 2019, the Commission approved PG&E Advice 4068-G/5479-E, which expanded the offering to customers impacted by the Camp and Carr fires of 2018. On January 13, 2020, the Commission approved PG&E Advice 4119-G/5588-E and Advice 4194-G/5719-E, which extended AER program eligibility to customers rebuilding to 2019 Title 24 Code.

Per Commission direction, Supplemental Advice 3928-G-A/5219-E-A also included an Evaluation, Measurement, and Verification (EM&V) plan stipulating that PG&E would conduct annual reporting of program uptake. This second annual Advice Letter meets this requirement, and provides an annual report detailing program progress and uptake as **Attachment A**.

PG&E is also required to conduct more in-depth EM&V bi-annually, including an analysis of program progress and lessons learned. PG&E worked with the AER program implementers, TRC Solutions, to conduct a survey of customers who are either active or eligible AER participants. PG&E worked with TRC to ensure that the survey was streamlined to minimize participant effort and maximize responses to provide program insights. The survey was conducted in April and May of 2020 and results are provided in **Attachment A**. PG&E expects to repeat this survey annually, with the current results acting as a baseline for longitudinal EM&V that will be conducted throughout the life of the AER offering.

Protests

*****Due to the COVID-19 pandemic and the shelter at home orders, PG&E is currently unable to receive protests or comments to this advice letter via U.S. mail or fax. Please submit protests or comments to this advice letter to EDTariffUnit@cpuc.ca.gov and PGETariffs@pge.com*****

Anyone wishing to protest this filing may do so by letter sent via U.S. mail, facsimile or E-mail, no later than July 20, 2020, which is 20 days after the date of this filing. 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 via both 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 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

Pursuant to General Order (GO) 96-B, Rule 5.1, this advice letter is submitted with a Tier 1 designation. PG&E requests that this Tier 1 advice letter submittal become effective upon submittal on June 30, 2020.

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.13-11-005. 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:

Attachment A – Annual Program Uptake Summary Memo

cc: Service List R.13-11-005



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 U39M)

Utility type:

☒ ELC ☒ GAS ☐ WATER
☐ PLC ☐ HEAT

Contact Person: Kimberly Loo

Phone #: (415)973-4587

E-mail: PGETariffs@pge.com

E-mail Disposition Notice to: KELM@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) #: 4270-G/5867-E

Tier Designation: 1

Subject of AL: PG&E's Annual Advanced Energy Rebuild Advice Letter in Compliance with Commission Disposition

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 #:

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:

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: 6/30/20

No. of tariff sheets: 0

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: N/A

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:

Clear Form

Attachment A

Annual Program Uptake Summary Memo



10680 White Rock Road, Suite 100
Rancho Cordova, CA 95670

916.844.0146 PHONE

June 06, 2020

MEMORANDUM

To: Conrad Asper (Pacific Gas and Electric Company)
From: Nic Dunfee, Parul Gulati (TRC)
Re: **Advanced Energy Rebuild – Annual Program Uptake Summary Memo**

ADVANCED ENERGY REBUILD OVERVIEW

Background

In response to the Northern California wildfires in the fall of 2017 and 2018, Pacific Gas and Electric Company (PG&E) launched the Advanced Energy Rebuild (AER) program in May 2018, in conjunction with Sonoma Clean Power (SCP), the Bay Area Air Quality Management District (BAAQMD), Marin Clean Energy (MCE), and TRC, with TRC as the program implementer. Under this program, TRC is responsible for design assistance, technical review of all projects, processing incentives, reporting and management of customer communications and marketing.

PG&E and SCP extended the AER program through 2020¹. The program currently offers incentives for both manufactured homes and homes permitted under the 2019 Title 24 energy code. PG&E is the primary funder of the 2020 AER program, with SCP funding a bonus incentive for battery installation in SCP territory. AER offers incentives for both *all-electric homes* and *advanced energy homes* (dual fuel). Customers can choose between the following two pathways to demonstrate eligibility for the incentives:

- ◆ **Site-built Homes, Flexible Performance Path:** Energy model should demonstrate a Delta Energy Design Rating (EDR)² of 1.0 or higher in time dependent valuation of energy, as shown on the compliance form document generated by an approved 2019 Title 24 compliance software.
- ◆ **Manufactured Homes, ENERGY STAR Certified Path:** The home is built to the ENERGY STAR Version 2 or higher certification to qualify.

The Flexible Performance path for 2019 Title 24 code site-built homes is available for a qualifying advanced energy home or all-electric home, with an incentive amount of \$2,500 or \$12,500 respectively and an optional \$1,000 incentive for the addition of battery storage. The ENERGY STAR Certified path is available for manufactured homes built to the Version 2 requirements or higher, with an incentive amount of \$3,000. All-electric manufactured homes can earn up to \$4,000 more in incentives through bonus options for battery storage, Northwest Energy-Efficient

¹ PG&E Advice Letter 4119-G/5588-E

² Delta EDR is a whole home efficiency metric that considers all aspects of the building, both regulated as well as non-regulated, and includes energy-use impacts from insulation, heating, cooling, water heating, appliances, lighting etc. The Delta EDR is calculated by subtracting the Efficiency EDR of Proposed Design score from the Efficiency EDR of Standard Design score.

Manufactured Housing (NEEM)+³ certification, heat pumps, and induction cooking. Advanced energy home manufactured homes can earn up to \$2,000 more incentives through bonus options for battery storage and NEEM+ certification. The program also offers a 50 percent reduced incentive for qualifying accessory dwelling units (ADUs)⁴ with an option to receive a battery storage incentive of \$500. AER pays incentives after program staff verify completion of documentation for the finished home.

Homeowners rebuilding under the 2016 Title 24 code are able to apply for AER through June 30th, 2020. These homeowners have the option to enroll under the Flexible Performance path, achieving at minimum a 20 percent improvement in time dependent valuation of energy, or the Simple Menu-based path, following a list of measures as described in the [program handbook](#)⁵. Incentives for all-electric homes are \$12,500 and advanced energy homes are \$7,500. A bonus option for installing solar and battery storage is also available for an additional \$5,000. ADU's are able to apply and receive half of the qualifying incentive. Projects permitted under the 2016 Title 24 code receive 50% of their incentive upfront, and the remaining 50% post verification after the project completes.

Program Statistics

The following section covers program statistics from May 1, 2018 through April 30, 2020, including data shared in the 2019 Advice Letter. During this time, homeowners applied for a total of 5,396 permits in qualifying counties. Of these permits, 467 (9 percent) are projects that are participating in or have applied for AER.

Program Pipeline

- ◆ TRC has received 326 total applications for a total of 508 dwelling units. The units consist of the following:
 - ◆ 2016 Title 24 code: 335 single family residences, 31 ADUs, and 2 multifamily complexes with 120 total units
 - ◆ 2019 Title 24 code: 5 single family residences, 2 ADUs, and 1 multifamily 4-plex
 - ◆ Manufactured homes: 11 single-family units
- ◆ Of the 326 applications submitted, 251 projects are enrolled under the 2016 Title 24 code and have received the upfront incentive. These projects consist of 246 single family residences, 18 ADUs, 12 duplexes (24 units), and 2 multifamily properties with a total of 120 units for a total of 408 enrolled dwelling units.
- ◆ 55 of the enrolled projects including 5 ADUs have completed construction and received the remaining balance of their incentives for a total of 57 dwelling units under 2016 code.

Overall Enrollment Data

- ◆ 400 of the 408 enrolled units (98 percent) have taken the Flexible Performance Path, while 8 of 408 enrolled units (2 percent) have taken the Simple Menu-based Path.

Please note that all enrollments pertain to the 2016 code program. While the program has received some 2019 code project applications, none were enrolled before April 30, 2020.

³ NEEM Website: <https://www.neemhomes.com/>

⁴ Accessory Dwelling Unit, also known as a casita or granny unit, is a small permanent home that may be established in addition to the main dwelling on a parcel zoned for residential use. ADUs may be attached or detached from the main dwelling.

⁵ AER Program Handbook (2016 Code): https://www.cahp-pge.com/AER_TRC_Handbook_2019.pdf

- ◆ Of the 408 enrolled units, 89 (22 percent) chose to build an all-electric home, 270 (66 percent) chose to build a dual fuel home, and 49 (12 percent) chose to build a home with propane.

Overall Program Savings and Measures

- ◆ Enrolled projects have secured an projected savings of -26642.20 in kWh and 79,715.20 in therms (-167.71 kWh and 81.24 therms per home on average). Negative savings are due to the unavailability of an all-electric baseline in the CEC-approved Title 24 energy modeling software (California Building Energy Code Compliance-Residential and Energy Pro), which generated a significantly low magnitude of kWh savings for the program.
- ◆ The current program average for kW savings is -32.02 kW. Enrolled projects demonstrate an average Delta EDR of 4.66, with projects ranging between -1 to 13 Delta EDRs. Many of the all-electric projects enrolled demonstrating negative savings. Please note that savings do not include generation from installed solar PV.
- ◆ Enrolled projects are demonstrating an average of 24.5 percent of energy efficiency improvement above 2016 Title 24 code, with project efficiency improvements ranging from 0.07 and 53.3 percent above 2016 Title 24 code requirements.
- ◆ 74 of the enrolled projects pursued the solar and battery storage bonus, totaling an average PV system size of 6.66 kW and an average battery system size of 13.04 kWh. 140 projects had solar PV but did not install battery storage.
- ◆ Of the enrolled projects, 101 installed heat pump water heating and 136 installed heat pump space heating.

All-Electric Program Savings

- ◆ 22 percent of the total enrolled units were all-electric (89 of 251). On average, these projects achieved 5.1 Delta EDR (all projects ranging from 0 to 13) and 25.7 percent above 2016 Title 24 code (projects ranging from 20.1 to 53.3 percent).
- ◆ Since the energy modeling software does not have an all-electric baseline, such projects yielded a total projected negative savings of 44376.10 kWh and 01.34 kW savings. The software reported 9266.63 unused therms for these projects.

Survey Summary Report

In line with the survey fielded for the first annual AER Advice Letter⁶, TRC created and launched a survey in April 2020 to obtain feedback from customers in the affected areas who either were not able to participate or decided not to participate in the AER program. The survey's primary goal was to identify the main barriers to program uptake and improve program implementation strategies. TRC and SCP distributed the survey to 2150 customers and received responses from 111 (5 percent).

Overall Survey Results

- ◆ A total of 111 responses were received

⁶ PG&E Advice Letter 4115-G/5578-E

- ◆ 77 of the 111 survey respondents are participating or have participated in AER
 - ◆ 54 of those 77 respondents are currently participating and construction is in progress
 - ◆ 23 of those 77 respondents previously participated and construction is complete
- ◆ 14 of the 111 survey participants responded that they intend to participate
- ◆ 7 of the 111 survey participants are not participating in AER and are rebuilding their property
 - ◆ 3 of those 7 respondents are in the design phase of their rebuild
 - ◆ 2 of those 7 respondents are in the construction phase of their rebuild
 - ◆ 2 of those 7 respondents have completed construction of their rebuild
 - ◆ 5 of those 7 survey participants reported having heard of the Energy Rebuilding program (AER)

The figure below summarizes the marketing source(s) reported by five survey respondents who heard of the program but did not participate. Participants were allowed to choose from all that apply.

**Where did you hear about the Advanced Energy Rebuild program?
(check all that apply)**

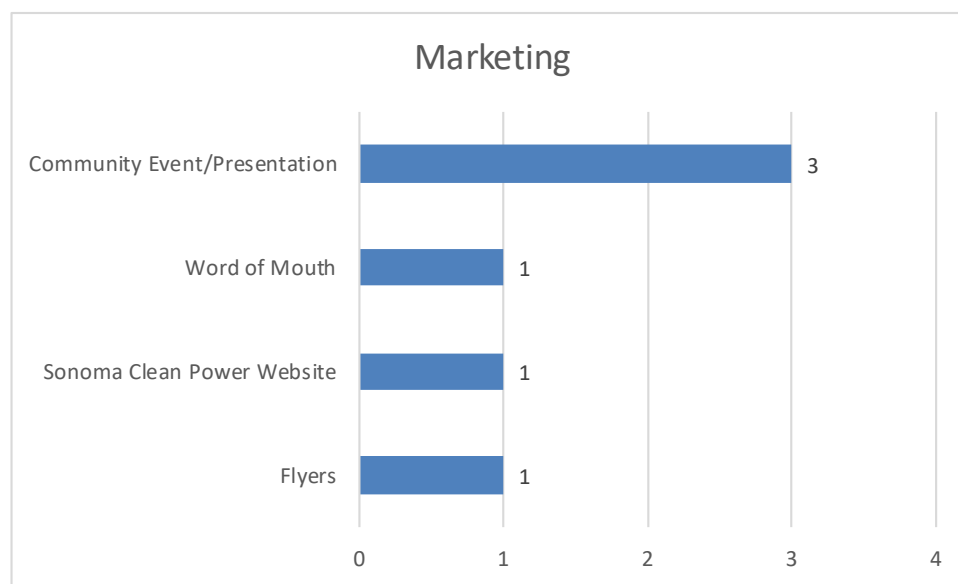


Figure 1. Non-AER participant Reported Marketing Sources

- ◆ 1 of the 111 respondents is unsure if they will rebuild
- ◆ 12 of the 111 survey participants did not respond to enough questions to determine their participation status

To overcome the challenges identified in the 2019 survey, the program team crafted more targeted outreach to participants to facilitate support earlier in the design process. The team also developed additional resources including program information graphics and fliers, case studies, webinars, stakeholder guidelines, and various rebuilding timeline collateral.

The low number of survey responses from non-participating customers may suggest that the program's conversion rate from inquiries to enrollments has been higher this year, partly as a result of program improvements implemented over the past year, including the customer resources discussed above.

The figure below provides a breakdown of the marketing source(s) reported by all survey respondents. Participants were allowed to choose from all that apply.

**Where did you hear about the Advanced Energy Rebuild program?
 (check all that apply)**

ANSWER CHOICES	RESPONSES	
Sonoma Clean Power Website (1)	34.65%	35
Pacific Gas and Electric Website (2)	9.90%	10
TRC (3)	2.97%	3
Marin Clean Power Website (4)	0.00%	0
Word of Mouth (5)	22.77%	23
Community Event/Presentation (6)	18.81%	19
Suggested by Energy Consultant or HERS Rater (7)	7.92%	8
Radio Advertisements (8)	0.99%	1
Social Media (9)	7.92%	8
Newspaper (10)	2.97%	3
Flyers (11)	5.94%	6
Other (please specify) (12)	25.74%	26
Total Respondents: 101		

Figure 1. Marketing Sources for all respondents

Reasons for Not Participating

The survey asked respondents to answer an optional open-ended question regarding their reason(s) for not participating in the program. All five of the respondents who had heard of AER but were not participating in the program answered this question; their answers are below.

- ◆ Too expensive for the return
- ◆ Not sure
- ◆ With everything we were having to deal with our architect, insurance, contractors, etc. it just seemed like it was too much effort we didn't have to participate
- ◆ We were told our new manufactured home was not eligible
- ◆ I wanted to participate but PG&E would not allow it because my home was not a "complete loss" in the footprint of the Camp Fire

It is worth noting that the AER program will close to new applications in December 2020, and there is no budget allocated or available for making adjustments to the program at this point. However, the reasons for not participating described above can provide insight for any future rebuild programs. There is clearly value in surveying non-participants to support program improvement; changes that were made from lessons learned from the 2019 survey have driven increased program uptake in 2020.

Marketing and Outreach Summary

The AER program team launched an online *Contact Us* form through the [AER website](#)⁷ in April of 2019. Between April 2019 and April 2020, the team fielded 337 total inquiries, as noted below:

- ◆ 91 from the *Contact Us* form
- ◆ 122 from the PG&E Customer Relations team
- ◆ 56 calls and 7 emails to TRC directly
- ◆ 61 leads from the Northern Rural Training and Employment Consortium (NoRTEC) Energy Watch (hereinafter referred to as Energy Watch) through outreach at events and meetings in the Butte County area

Outreach Methods

SCP's marketing efforts for 2016 Title 24 code projects covered a wide range of channels including direct mail, social media, posting notices at city and county permitting offices, speaking with city and county staff members who could in turn educate homeowners, and attending public events where SCP staff could speak directly with homeowners. To reach homeowners who left the area or otherwise could not attend events like these, the AER team explained the program in multiple live online webinars, recordings of which are viewable from a link on the SCP, AER, and Energy Watch websites.

PG&E, TRC, and Energy Watch conducted marketing and outreach for 2016 Title 24 code projects in Butte County and for the 2020 program. Energy Watch attended local events and meetings to share program information with members of the Butte County community and to educate them about energy efficiency. As mentioned previously, the program team followed up with customer leads procured from the PG&E START team and the *Contact Us* form on the AER program website. AER program staff encouraged customers who did not apply for a building permit before December 31, 2019 to apply for the 2020 program under the 2019 Title 24 code.

To spread the word about the newly available manufactured home pathway, the AER team reached out to retailers and factories supplying homes to the affected counties. Retailers inform their customers of the incentive offering and post the AER program flyer in their offices to share program information with their customers. Energy Watch engages with the Butte County community and informs rebuilders of the incentives for manufactured homes. PG&E fields customer inquiries and directs rebuilders to the AER program for manufactured homes.

Program Collateral and Resources

The AER team developed resources for 2016 and 2019 Title 24 code and manufactured homes targeting rebuild process stakeholders such as homeowners, energy consultants, contractors, HERSraters, manufacturers and retailers. The bullets below highlight the collateral and resources.

⁷ AER website: <https://cahp-pge.com/advanced-energy-rebuild/>

- ◆ **Program Application:** To make the application process straightforward for the participant, the program offers three different online applications for each applicable home type and Title 24 code. Each application contains fields that only pertain to the applicants home type or code cycle.
- ◆ **Program Handbook:** In collaboration with PG&E and SCP, TRC developed a detailed 2020 program handbook that explains the program requirements and incentives for each home type.
- ◆ **Program Timeline Schematics:** TRC developed detailed timeline schematics to demonstrate the steps a homeowner will follow for each home type and Title 24 code and key program engagement points. TRC also developed a timeline specific to HERS verification processes to help homeowners and HERS raters understand their role in relation to the rebuild process and program.
- ◆ **Program Overview Webinars:** The AER team developed, delivered, and recorded three different program overview webinars to explain program requirements, application procedures, and the importance of prioritizing energy efficiency during the design and construction stages.
- ◆ **Program Flyers:** Program overview flyers, which the AER team intended to post (prior to the COVID-19 pandemic shelter-in-place orders) in manufactured retailer offices, county and city permitting departments, and online, articulate incentive and participation information. Program participants have also requested that AER further share these flyers among members of the rebuilding communities.
- ◆ **Certified Energy Analyst (CEA) and HERS Rater Resource List:** To help homeowners locate a CEA and HERS rater as required by the program, the AER team developed a list of all CEAs and HERS raters who are participating in the program.
- ◆ **Manufactured Homes Resource List:** To help homeowners meet certain program requirements, TRC has compiled a list of retailers and factories who offer eligible manufactured homes.
- ◆ **Manufactured Home Certification Factsheets:** The program website has links to factsheets detailing the different manufactured home certifications that AER currently incentivizes. These factsheets provide manufactured homebuyers with more information on the benefits of pursuing both the ENERGY STAR and NEEM+ certifications.
- ◆ **Case Studies:** The program put together five case studies highlighting enrolled projects. Three of these homes were all-electric site-built homes and two were dual fuel site-built homes. Case studies outline project scopes, lessons learned or feedback, and help potential participants see real life examples of what other homeowners installed in their rebuilds to meet the program requirements. The program team is planning to put together a manufactured home case study to ensure that the collateral is representative of each project type.

To see a full list of resources available to AER participants, please view the program [resources webpage at https://cahp-pge.com/advanced-energy-rebuild/aer-resources/](https://cahp-pge.com/advanced-energy-rebuild/aer-resources/).

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