

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



Pacific Gas & Electric Company
ELC (Corp ID 39)
Status of Advice Letter 6148E
As of April 27, 2021

Subject: Information Only: After-Meeting Reports for Semi-Annual Resiliency Workshops Pursuant to Decision 20-06-017

Division Assigned: Energy

Date Filed: 04-01-2021

Date to Calendar: 04-05-2021

Authorizing Documents: D2006017

Disposition:	Accepted
Effective Date:	04-22-2021

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- Disposition of Filing (Accepted, Rejected, Withdrawn, etc.)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

April 1, 2021

Advice 6148-E

(Pacific Gas and Electric Company ID U 39 E)

Public Utilities Commission of the State of California

Subject: Information Only: After-Meeting Reports for Semi-Annual Resiliency Workshops Pursuant to Decision 20-06-017

I. Purpose

Pacific Gas and Electric Company (PG&E) hereby submits this information-only Tier 1 Advice Letter (“AL”) in compliance with the California Public Utilities Commission (“CPUC” or “Commission”) Decision (“D.”) 20-06-017 (“Decision”) Ordering Paragraph (“OP”) 8. The AL demonstrates PG&E’s compliance with Section 4.3.2.1 which requires (1) the investor-owned utilities (“IOUs”) to conduct semi-annual workshops designed to, among other things, help empower local and tribal jurisdictions with a better understanding of grid operations, utility infrastructure, and the nature of weather events alongside public safety power shutoff (“PSPS”) mitigation initiatives and (2) submit on the first day of each calendar quarter an advice letter that compiles all after-meeting reports from the prior quarter, if applicable.

II. Background

The Commission initiated Rulemaking (“R.”) 19-09-009 to develop a policy framework surrounding the commercialization of microgrids and related resiliency strategies and to implement Senate Bill (SB) 1339 (Stern, 2018).

On December 20, 2019 the assigned Commissioner’s Scoping Memo and Ruling was issued, adopting a scope and schedule for Track 1 of the proceeding. Track 1 addressed deploying resiliency planning in areas that are prone to outage events and wildfires, with the goal of establishing key microgrid and resiliency strategies as soon as possible. Subsequently, on January 21, 2020, Administrative Law Judge Rizzo issued a Ruling with Energy Division staff’s (“Staff’s”) proposal on short-term actions related to microgrids and other resiliency strategies that could be initiated in early 2020 to reduce the impact of PSPS outages or other catastrophic events.

On June 11, 2020, the Commission adopted D.20-06-017, which, among other actions, approved certain Staff proposals for information sharing with local and tribal governments.

This AL addresses the requirements included in Ordering Paragraph 8 of D.20-06-017, which requires:

Pacific Gas and Electric Company (PG&E), Southern California Edison Company (SCE), and San Diego Gas & Electric Company (SDG&E) shall each submit informational filings in this proceeding, no later than five business days after the local and tribal government semi-annual meetings are held. These after-meeting reports shall demonstrate compliance with Section 4.3.2.1 of this decision by showing:

- a) Commission staff were notified at least one (1) month prior to the meeting date;*
- b) Presentations and other materials were distributed to attendees at least twenty four (24) hours in advance;*
- c) Contact information for meeting attendees, with a copies of a sign-in sheet;*
- d) Workshop agenda;*
- e) Workshop minutes or transcript;*
- f) Any presentations shown at the workshop; and*
- g) Any data formally provided to stakeholders at the workshop*

PG&E, SCE, and SDG&E shall each file a Tier 1 Advice Letter on the first day of each yearly quarter, that compiles all after-meeting reports. This requirement will have an end date after 3 years. In this Advice Letter submittal, PG&E, SCE, and SDG&E shall reference compliance with this decision pursuant to Ordering Paragraph 8.

PG&E submits this information-only Tier 1 Advice Letter in compliance with Ordering Paragraph 8 of D.20-06-017.

III. Discussion

Pursuant to OP 8 of D.20-06-017, PG&E is attaching to this Advice Letter a compiled set of after-meeting reports for semi-annual resiliency workshops held between March 24, 2021 and March 26, 2021. This includes the following attachments:

- Attachment 1 – Meeting Summaries of First Quarter 2021, Regional Working Groups (including Resiliency Workshop)
- Attachment 2 – Agenda and Presentations for the First Quarter 2021, Regional Working Groups (including Resiliency Workshop)
- Attachment 3 – E-mail to Commission Staff Notifying of the Dates for the the First Quarter 2021, Regional Working Groups (including Resiliency Workshop)

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*****

Any party wishing to protest this submittal may do so by letter sent via U.S. mail, facsimile or E-mail, no later than April 21, 2021, which is 20 days after the date of this submittal. Protests must be submitted to:

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

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

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

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

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

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

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

IV. Effective Date

Pursuant to General Order (GO) 96-B, Industry Rule 5.1 and General Rule 7.3.3, and OP 8 of D. 20-06-017, this advice letter is submitted with a Tier 1 designation and is effective pending disposition on April 1, 2021.

V. 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 R.19-09-009. 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

cc: Service List R.19-09-009

Attachments



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: 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) #: 6148-E

Tier Designation: 1

Subject of AL: Information Only: After-Meeting Reports for Semi-Annual Resiliency Workshops Pursuant to Decision 20-06-017

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.20-06-017

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: 4/1/21

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:

Advice 6148-E
April 1, 2021

Attachment 1

**Meeting Summaries of First Quarter 2021, Regional
Working Groups (including Resiliency Workshop)**

**Pacific Gas and Electric Company
Community Wildfire Safety Program – Regional Working Groups
(First Quarter, 2021)
Meeting Summary**

Background

On March 24th-26th, Pacific Gas and Electric Company (PG&E) hosted the first quarterly Regional Working Group meetings of 2021 with key stakeholders from communities impacted by Public Safety Power Shutoff (PSPS) events in each of the five regions of PG&E's service area: Central Valley, Sierra, North Coast, South Bay/Central Coast and Bay Area. These meetings provided participants and PG&E a forum to share local resilience efforts, receive an update regarding the PSPS Program and collaborate on 2021 grid resilience improvement efforts.

The 2021 first quarter Regional Working Group meetings addressed the topics required under the California Public Utilities Commission's (CPUC) PSPS Phase II Decision¹: lessons learned and feedback from prior PSPS events, communication strategies, information sharing and strategies for supporting people/communities with Access and Functional Needs (AFN). The 2021 first quarter Regional Working Groups also integrated topics from the Microgrids and Resiliency Strategies Rulemaking (Microgrid OIR)² directing utilities to conduct semi-annual workshops to share valuable information and take a collaborative approach to planning grid resiliency measures responsive to local needs. The Microgrid OIR also expanded the meeting scope to include grid resiliency and hardening efforts, data on resilience progress in each region and an adjusted invitee list. PG&E subject matter experts (SMEs) and local representatives participated in the meetings to answer questions and engage with meeting participants. Working group participants included representatives from tribal and local government entities, small multi-jurisdictional electric utilities, publicly owned electric utilities, communications and water service providers, public safety partners, the disabled, aging and AFN communities (e.g., directors of local Independent Living Centers), and CPUC staff. Meetings were structured to provide attendees with key information and metrics on the above topics and participants were encouraged to provide feedback, engage and collaborate with each other. Copies of the meeting agenda and presentations for each meeting are included as an attachment to this summary.

Timing and Facilitation

The Regional Working Group meetings were held March 24 through March 26 and moderated by PG&E's Senior Manager Local Customer Experience and Division Lead, with support from Local Public Affairs representatives, Tribal Liaisons and Public Safety Specialists from each respective region along with SMEs in microgrids, temporary generation and distributed generation. Additionally, an invitation to co-moderate the Grid Resilience Planning portion of the meeting was extended to four County Office of Emergency Services (OES) partners and one tribal OES partner. Four of the five regional co-moderators accepted this invitation and co-moderated a portion of the meeting. One co-moderator had a scheduling conflict and was unable to participate, resulting in PG&E moderating that portion of the meeting.

¹ D.20-05-051

² D.20-06-017

Some of the measures included in this document are contemplated as additional precautionary measures intended to further reduce the risk of wildfires.

Meeting dates were shared with California Public Utilities Commission (CPUC) staff in late February, one month prior to the meetings. Email and calendar invitations were sent to external participants beginning on 2/26/21. Meeting materials were added to the calendar invitation for each meeting on 3/22/21, more than 24-hours before each meeting.

Attendance and Key Areas of Feedback

The Regional Working Group meetings were attended by an average of 60 participants per session and meeting topics included updates on the PSPS Program along with feedback and action plans derived from feedback received in previous engagement sessions, explanations of how the electric transmission and distribution systems operate, infrastructure investment and operational plans, explanations of local grid topology and circuit configuration (GIS grid flyover), in-event communications regarding temporary power, critical customer coordination and a grid resilience planning session, along with open discussion and Q&A throughout. Some examples of the feedback we received included:

- *Appreciated level of detail and thought put into region-specific grid overview.*
- *Expressed need for continued coordination and improvement as it relates to PSPS event communications.*
- *Requested future Regional Working Group sub-group meetings/additional coordination.*
- *Expressed concern regarding the possibility of an increase in PSPS events in 2021 and decision-making process for de-energization.*
- *Appreciated Community Resource Center locations in 2020 and requested additional locations be explored in 2021.*
- *Requested further knowledge/webinars regarding back-up power, including back-up generators, solar generation and battery banks.*
- *Requested further follow-up regarding local grid solutions in various communities systemwide.*
- *Expressed concern regarding insufficient portable battery size for customers with larger generation medical needs.*

Sample Comments Received

COVID-19 physical distancing guidance mandates necessitated that the first-quarter 2021 meetings be held virtually via a web-based video conference platform. The virtual platform provided attendees the ability to participate verbally, as well as through the chat feature. In addition, the ability to turn on live captions was available to aid any participants who were deaf or experience hearing loss. All questions and comments were addressed in real-time and below are some participant comments captured during the five working groups.

- *“Calaveras county was lucky enough to begin a true, authentic partnership with our PG&E representatives ... [This] Regional Working Group was extremely helpful and imperative to planning framework” – Calaveras County Office of Emergency Services*
- *“The CRCs were very successful this past year, hoping there will be more in 2021.” – California Foundation for Independent Living Centers*
- *“We have been challenged in the past by having PG&E make decisions so late into the PSPS season that locals don’t have time to respond.” – Sonoma County Office of Emergency Services*

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- *“The Yeti 300s are insufficient in capacity and run time for many types of durable medical equipment. Will the [portable battery] program continue this year, and will there be options for more capacity?” – Sonoma County Office of Emergency Services*
- *“Wow. Excellent overview on infrastructure and grid hardening. Much appreciated.” – Placer County Water Agency*
- *“You’ve done a great job and these services truly support our county and take a large demand off of local offices.” – Mendocino County Office of Emergency Services*
- *“PG&E really, really needs to communicate with local emergency management when they’re working with critical facilities in their area of responsibility. PG&E failing to do this causes major problems.” – Marin County Office of Emergency Services*
- *“We’ve come a long way since our first PSPS event.” – Alameda County Office of Emergency Services*
- *“Has there been any consideration of diversifying sources into substations that only have a single source? Or, the undergrounding of a single existing line to critical areas?” – Lake County Office of Emergency Services*
- *“To what extent are future climate change models incorporated into your planning? Can you talk a bit about how the coordination between your group and PG&E’s climate resilience planning group works?” – Silicon Valley Clean Energy*
- *“Thank you all for the great update and for being open to the questions. Really appreciate it.” – Independent Living Resources in Solano & Contra Costa County*

We will continue to refine our approach to each series of Regional Working Group meetings, including potentially exploring other meeting hosting platforms, as well as reviewing our processes for how we inform participants of each meeting date/time.

Continued Engagement

The feedback gathered during each Regional Working Group and subsequent participant survey (results to be shared with the CPUC as a follow-up) helps to further inform our 2021 plans and local solutions to reduce PSPS impacts and wildfire risks. Additionally, we are continuing to engage with key stakeholders from each region through ongoing outreach efforts and upcoming Regional Working Groups. The second quarter Regional Working Group meetings of 2021 are focused on PSPS preparedness planning and wildfire safety. Similar to the fourth-quarter 2020 Regional Working Group, this meeting will be integrated with the semi-annual workshops required under the Wildfire Mitigation Order Instituting Investigation (OII).³ For reference, detailed follow-up items captured during each meeting, along with meeting participant lists, are in the meeting summary forms located in the Appendix.

³ 1.19-06-015, Exhibit C, Page 7

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APPENDIX



**Community Wildfire Safety Program
Regional Working Group Summary Sheet**

INFORMATION		
Region: Central Valley	Quarter: Q1	Meeting Date: 03/24/2021

INFORMATION REQUESTS / FOLLOW-UP ITEMS			
Description	Owner	Recipient	Status
Follow-up to ensure foreign electric lines information was provided during meeting.	J. Stallman/ T. Metters Jr.	Dru Dunton, CPUC	In Progress
Follow-up to discuss how PG&E identifies water wells, wastewater and treatment facilities and their potential impacts during PSPS events.	T. Metters Jr.	Kevin McCusker, California Water Service	In Progress
Requested to be invited to all Regional Working Group meetings.	A. Ace	Lisa Austin, CFILC	Complete

FEEDBACK / LESSONS LEARNED	
Topic	Summary
Public Safety Power Shutoff Update	<ul style="list-style-type: none"> Noted reductions in scope, duration and length of PSPS events in 2020. Highlighted improvements in PSPS communications during 2020. Discussed the possibility of an increase in PSPS events in 2021 and decision-making process for de-energization.
Grid Overview	<ul style="list-style-type: none"> N/A
Local Resilience Efforts	<i>System Hardening</i> <ul style="list-style-type: none"> N/A
	<i>Sectionalizing</i> <ul style="list-style-type: none"> N/A
	<i>Substation Microgrids</i> <ul style="list-style-type: none"> N/A

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	<p><i>Distribution Microgrids/Remote Grids/Islanding Locations</i></p> <ul style="list-style-type: none"> Discussed whether PG&E rates change for customers served by a remote grid. Reviewed the location of a distribution microgrid planned for 2021 in Tuolumne County.
	<p><i>Community Microgrid Enablement Program (CMEP)</i></p> <ul style="list-style-type: none"> N/A
	<p><i>Other Backup Gen Resources/DDARP/Portable Battery Program/Generator Rebate Program</i></p> <ul style="list-style-type: none"> Discussed how ad hoc backup power is provided for critical facilities.
PSPS Temporary Power Communications	<ul style="list-style-type: none"> N/A
Grid Resilience Planning Session	<ul style="list-style-type: none"> N/A
Other/General Comments	<ul style="list-style-type: none"> Commended coordination and engagement improvements with PG&E representatives. Inquired as to whether the grid flyover and regions outlined aligned with PG&E's updated regionalization proposal. Highlighted the presentation was informative. Appreciated Community Resource Center locations in 2020 and requested additional locations be explored in 2021.

MEETING PARTICIPANTS			
Name	Title	Agency	Email Address
Andrea Kraus	Product Manager, Microgrid Strategy Implementation	PG&E	
Andrew Ace	Program Manager, Electric & Specialist	PG&E	
Anthony Noll	Program Manager	CPUC	anthony.noll@cpuc.ca.gov
Anwar "Syed" Safvi			
Austin Avery	Regulatory Analyst	Turlock Irrigation District	
Charles Mason	Local Government and Community Liaison	CPUC	
Charlotte Jordan	Public Safety Specialist	PG&E	
Cheryl Marcelli-McClaine	Senior Customer Relationship Manager	PG&E	

Some of the measures included in this document are contemplated as additional precautionary measures intended to further reduce the risk of wildfires.

MEETING PARTICIPANTS			
Name	Title	Agency	Email Address
Cindy Chen		CPUC	Xc1@cpuc.ca.gov
Danna Anguiano	Administrative Assistant	Turlock Irrigation District	dmanguiano@tid.org
David Meier	Senior Manager, PG&E Stockton and Yosemite Divisions	PG&E	
Deron Mills	Senior Public Safety Specialist	PG&E	
Dru Dunton	Administration & Budget Unit	CPUC	dd4@cpuc.ca.gov
Dylan George	Government Relations Representative	PG&E	
Elise Hunter	Strategy Chief, Wildfire Safety Public Engagement	PG&E	
Erica Cabrera	Local Public Affairs Representative	PG&E	
Eyan Linn		Sierra Telephone	eyanl@STCG.net
Geoff Money	Public Safety Specialist	PG&E	
Hector Garcia			
Jan Lemucchi	Long Term Services and Support Manager	Independent Living Center of Kern County (ILCKC)	jan@ilcofkerncounty.org
Jim Hendricks	Division Operations Specialist	PG&E	
Joe Herr	Senior Manager, Grid Integration & Innovation	PG&E	
John Osbourn	Director, Office of Emergency Services	Calaveras County Office of Emergency Services	JOsbourn@co.calaveras.ca.us
Jon Stallman	Principal, PG&E Integrated Grid Planning and Innovation	PG&E	
Julian Enis	Utilities Engineer, Resiliency and Microgrids Team, Energy Division	CPUC	Julian.Enis@cpuc.ca.gov
Kevin McCusker	Manager of Community Affairs	California Water Service	kmccusker@calwater.com
Kevin Smith	Public Safety Specialist	PG&E	
Leonor Iniguez	Local Customer Relationship Manager	PG&E	
Lisa Austin	Director	CFILC Disability Disaster	Lisa@cfilc.org
Mabel Wu	Senior Accountant	CPUC	Mabel.Wu@cpuc.ca.gov
Michael Gaffney	Public Affairs Representative	PG&E	
Molly Hoyt	Principal Program Manager, Community Microgrid Enablement Program Specialist	PG&E	
Nancy Hafner		PG&E	

Some of the measures included in this document are contemplated as additional precautionary measures intended to further reduce the risk of wildfires.

MEETING PARTICIPANTS			
Name	Title	Agency	Email Address
Nathan Alonzo	Government Relations Representative	PG&E	
Nicolaus Glero	Senior Manager, Energy Solutions and Service	PG&E	
Pamela Perdue	Senior Public Safety Specialist	PG&E	
Patrick Mullen	Region Director, Customer Service	PG&E	
Reno Franklin	Tribal Liaison	PG&E	
Sukhdeep Gill	Senior Electrical Engineer	Turlock Irrigation District	ssgill@tid.org
Terry Metters Jr.	Senior Manager, Customer Experience/Division Leadership Team Lead	PG&E	

Some of the measures included in this document are contemplated as additional precautionary measures intended to further reduce the risk of wildfires.



**Community Wildfire Safety Program
Regional Working Group Summary Sheet**

INFORMATION		
Region: Sierra	Quarter: Q1	Meeting Date: 03/24/2021

INFORMATION REQUESTS / FOLLOW-UP ITEMS			
Description	Owner	Recipient	Status
Requested follow up coordination regarding uncoordinated work contractors have done recently on FREED property.	J. Monninger	Ana Acton, FREED	In Progress
Ana Acton (FREED) requested “maps for the microgrids and/or commercial power due to hardening of lines for Nevada, Yuba, Placer and El Dorado.” Briana Haberman (Yuba OES) followed up on this comment and requested the same items.	J. Monninger	Ana Acton, FREED Briana Haberman, Yuba OES	In Progress
Chuck Heisleman (Pioneer) requested an additional grid flyover type planning meeting with stakeholders in Placer and El Dorado Counties. Shawn Pratt (Placer OES) and Briana Haberman (Yuba OES) asked to be included in this meeting as well.	J. Monninger	Chuck Heisleman, Pioneer Community Energy Shawn Pratt, Placer OES Briana Haberman, Yuba OES	In Progress
Requested follow up related to uncoordinated work efforts related to ongoing PG&E system hardening work. Noted that NCPA is attempting to coordinate their own work with PG&E efforts and last-minute changes are causing staffing/timing gaps.	J. Monninger/ A. McCauley	Randy Howard, NCPA	In Progress
Requested access to Google Earth mapping files with transmission system layers through the PSPS Portal.	J. Monninger/ A. McCauley	Dennis Sismaet, NCPA	In Progress
Requested access to PG&E’s PSPS Portal. Noted that NCPA is a publicly owned Joint Action Agency and would like access to be able to answer questions from their members on any potential PSPS events, especially transmission impacts.	J. Monninger/ A. McCauley	Dennis Sismaet, NCPA	In Progress

Some of the measures included in this document are contemplated as additional precautionary measures intended to further reduce the risk of wildfires.

Asked for additional coordination regarding public communications during PSPS events, including their transition to Zonehaven.	J. Monninger	Briana Haberman, Yuba OES	In Progress
Asked to be added to all Regional Working Group meeting invitations.	A. Ace	Wendy Longwell, Disability Action Center	Complete

FEEDBACK / LESSONS LEARNED	
Topic	Summary
Public Safety Power Shutoff Update	<ul style="list-style-type: none"> Discussed need for a better long-term planning including a PSPS "target end state" and community education for these goals. Discussed need for continued coordination and improvement as it relates to PSPS event communications.
Grid Overview	<ul style="list-style-type: none"> Flyover portion was well received with gratitude shared for the depth of information provided. Stakeholders noted desire to have similar meetings with specific sub-regions/counties. Discussed if the potential would exist in the future for differentiation between T2/T3 HFTD areas as they relate to PSPS impacts. Discussed if there is a potential to remove transmission lines entirely from the scope of PSPS events in the future. NCPA raised potential for future coordination on a microgrid type resilience project in communities they serve.
Local Resilience Efforts	<i>System Hardening</i> <ul style="list-style-type: none"> Discussed overall need to improve how projects are coordinated with external stakeholders, including system hardening efforts and coordination with landowners.
	<i>Sectionalizing</i> <ul style="list-style-type: none"> N/A
	<i>Substation Microgrids</i> <ul style="list-style-type: none"> N/A
	<i>Distribution Microgrids/Remote Grids/Islanding Locations</i> <ul style="list-style-type: none"> N/A
	<i>Community Microgrid Enablement Program (CMEP)</i> <ul style="list-style-type: none"> N/A
	<i>Other Backup Gen Resources/DDARP/Portable Battery Program/Generator Rebate Program</i> <ul style="list-style-type: none"> NCPA asked for clarification on if any of these programs are available to transmission customers vs. PG&E retail customers.

Some of the measures included in this document are contemplated as additional precautionary measures intended to further reduce the risk of wildfires.

PSPS Temporary Power Communications	<ul style="list-style-type: none"> N/A
Grid Resilience Planning Session	<ul style="list-style-type: none"> N/A
Other/General Comments	<ul style="list-style-type: none"> Noted potential for future Regional Working Group spin-off coordination/sub-group meetings.

MEETING PARTICIPANTS			
Name	Title	Agency	Email Address
Alexia Retallack		Pioneer Community Energy	alexiar@PioneerCommunityEnergy.ca.gov
Ana Acton	Executive Director	FREED Center for Independent Living	Ana@FREED.org
Andrea Kraus	Product Manager, Microgrid Strategy Implementation	PG&E	
Andrew Ace	Program Manager, Electric & Specialist	PG&E	
Andy Hamilton	Drinking Water Operations Manager	Placer County Water Agency	ahmilton@pcwa.net
Anthony Noll	Program Manager	CPUC	anthony.noll@cpuc.ca.gov
Art McAuley		Northern California Power Agency (NCPA)	
Ayla Tucker	Government Relations Representative	PG&E	
Beena Morar	Senior Project Manager	Southern California Edison	Beena.Morar@sce.com
Brandon Sanders	Public Affairs, Sierra Division	PG&E	
Brant Mesker	Staff Analyst	Tehama County	bmesker@co.tehama.ca.us
Brent Smith	Director of Technical Services	Placer County Water Agency	bsmith@pcwa.net
Brian Swanson			
Briana Haberman	Interim Emergency Operations Manager	Yuba County Office of Emergency Services	BHaberman@co.yuba.ca.us
Bryan Barr			
Carl Schoenhofer	Senior Manager, Humboldt & North Valley Divisions	PG&E	
Carolyn Nava			
Chuck Heisleman		Pioneer Community Energy	chuckh@pioneercommunityenergy.ca.gov

Some of the measures included in this document are contemplated as additional precautionary measures intended to further reduce the risk of wildfires.

MEETING PARTICIPANTS			
Name	Title	Agency	Email Address
Cindy Chen		CPUC	Xc1@cpuc.ca.gov
Dan Blair	Government Relations Representative	PG&E	
Dan Corcoran	Director of Operations	El Dorado Irrigation District	dcorcoran@eid.org
Dave Atkinson	Utility Program Manager	Placer County	datkinso@placer.ca.gov
David Hawks	Public Safety Specialist	PG&E	
David Meier	Senior Manager Local Customer Experience	PG&E	
Dennis Sismaet	Manager, Coordinated System Operations, Power Management	Northern California Power Agency	
Devla Singh	Program and Project Supervisor	CPUC	devla.signh@cpuc.ca.gov
Dru Dunton	Administration & Budget Unit	CPUC	dd4@cpuc.ca.gov
Eddie Gonzales Jr.	Community Choice Aggregator Specialist	PG&E	
Elizabeth McAlpine	Environmental Scientist	CPUC, Wildfire Safety Division	elizabeth.mcalpine@cpuc.ca.gov
Elise Hunter	Strategy Chief, Wildfire Safety Public Engagement	PG&E	
Felix Berbena Jr.	Public Safety Specialist	PG&E	
Frank Leschinsky	Public Sector Manager	Volcano Telephone Company	frankl@volcanotel.com
Kevin Smith	Public Safety Specialist	PG&E	
James Gundersen			
James Monninger	Senior Manager	PG&E	
Jason Hartson			
Jeffrey Lee	Public Safety Specialist	PG&E	
Jenn Tamo	Administrative Analyst	Nevada County Office of Emergency Services	Jenn.Tamo@co.nevada.ca.us
Johnnise Foster-Downs	Government & External Affairs Specialist	PG&E	
Jon Stallman	Principal, PG&E Integrated Grid Planning and Innovation	PG&E	
Julian Enis	Utilities Engineer, Resiliency and Microgrids Team, Energy Division	CPUC	Julian.Enis@cpuc.ca.gov
Laura Wetmore	Senior Manager, Mission Division	PG&E	

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MEETING PARTICIPANTS			
Name	Title	Agency	Email Address
Lee Brown	Coordinator	Sierra County Office of Emergency Services	lbrown@sierracounty.ca.gov
Mabel Wu	Senior Accountant	CPUC	Mabel.Wu@cpuc.ca.gov
Michael Brush	Dispatch	Northern California Power Agency	michael.brush@ncpa.com
Michael Weaver	Public Safety Specialist	PG&E	
Mike Maskarich	Senior Public Safety Specialist	PG&E	
Mike Webb	Public Safety Specialist	PG&E	
Molly Hoyt	Principal Program Manager, Community Microgrid Enablement Program Specialist	PG&E	
Naveed Paydar	Local Government and Community Liaison	CPUC	nvp@cpuc.ca.gov
Nicolaus Glero	Senior Manager, Energy Solutions and Service	PG&E	
Pamela Perdue	Senior Public Safety Specialist	PG&E	
Paul Cummings	Program Manager	Nevada County Office of Emergency Services	Paul.Cummings@co.nevada.ca.us
Randy Howard	General Manager	Northern California Power Agency	Randy.howard@ncpa.com
Reno Franklin	Tribal Liaison	PG&E	
Rick Ferriera	Operations and Engineering Manager	Amador Water Agency	rferriera@amadorwater.org
Rob Cone	Senior Public Safety Specialist	PG&E	
Robert Jakobs	Sergeant	Nevada County Sheriff's Office	
Sarah Rasheed	Government Relations Representative	PG&E	
Shawna Pratt	Emergency Services Specialist	Placer County Office of Emergency Services	
Shelby Boston	Director	Butte County Department of Employment and Social Services	sboston@buttecounty.net
Shelby Chase			
Steve Lowe			
Steven Klaiber	Public Advisor	CPUC	sk5@cpuc.ca.gov
Todd Crawford	Sheriff's Deputy	El Dorado County Sheriff Office of Emergency Services	crawfordt@edso.org

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MEETING PARTICIPANTS			
Name	Title	Agency	Email Address
Wendy Longwell	Manager, Programs	Disability Action Center	wendyl@actionctr.org

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**Community Wildfire Safety Program
Regional Working Group Summary Sheet**

INFORMATION		
Region: North Coast	Quarter: Q1	Meeting Date: 3/25/21

INFORMATION REQUESTS / FOLLOW-UP ITEMS			
Description	Owner	Recipient	Status
Asked if the upgrades/hardening/sectionalizing data and maps can be added to the PSPS Portal.	V. Baker	Erica Torgerson, Sonoma Clean Power	In Progress
Inquired if PG&E will be ramping up education surrounding coated lines as it relates to first responders potentially confusing electric lines with cable/phone lines.	V. Baker/ D. Lee	Eric Zane, City of Woodland Fire Chief	In Progress
Requested a special briefing for the working group as it relates to the potential Judge Alsup ruling and expansion of future PSPS events, to include an overview of the issue and what potential impacts may be. Noted past challenges associated with PG&E making decisions late into the PSPS season and that Sonoma County OES is in the process of updating their PSPS response plan (to be finalized on June 1 st) and that they need to know if any major changes are coming within the next month.	V. Baker/ T. Derum	Chris Godley, Sonoma County OES	In Progress
Asked to see the new risk model by county to help determine where they will put new fire cameras.	V. Baker/ T. Derum	Chris Godley, Sonoma County OES	In Progress
Asked why the Town of Sonoma is not being considered for a microgrid and how that should be communicated back to the Sonoma County Board of Supervisors.	V. Baker/ T. Derum	Chris Godley, Sonoma County OES	In Progress
Noted that the Yeti 3000s are insufficient in capacity and run time for many types of durable medical equipment and asked if the program will continue this year and if there will be options for higher capacity batteries.	V. Baker/ T. Derum,	Chris Godley, Sonoma County OES	In Progress
Asked for more information related to the Lake Berryessa Estates community in northern Napa county being considered for a future microgrid.	V. Baker/ J. Stallman	Steven Lederer, Napa County Department of Public Works	In Progress

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Asked why generators are not being pre-staged in their county this year and what that may mean for future outages.	V. Baker/ R. Noonan	Brentt Blaser, Mendocino County	In Progress
Requested co-moderator follow up meeting debrief.	V. Baker/ D. Lee	Kurt Johnson, Yolo County OES	In Progress
Asked to be added to future meeting invitations.	V. Baker	Taylor Curtis, Disability Services & Legal Center	Complete

FEEDBACK / LESSONS LEARNED	
Topic	Summary
Public Safety Power Shutoff Update	<ul style="list-style-type: none"> Asked about potential expansion of PSPS events in the future.
Grid Overview	<ul style="list-style-type: none"> Discussed a past fire event in Trinity County where the Humboldt Bay Generation Station Island was not able to be utilized. Discussed emergency communications process with PG&E representatives. Discussed the community of Oakmont in Sonoma County and associated system hardening efforts.
Local Resilience Efforts	<i>System Hardening</i> <ul style="list-style-type: none"> N/A
	<i>Sectionalizing</i> <ul style="list-style-type: none"> Discussed how individual counties can get this same level of information for their region.
	<i>Substation Microgrids</i> <ul style="list-style-type: none"> N/A
	<i>Distribution Microgrids/Remote Grids/Islanding Locations</i> <ul style="list-style-type: none"> Asked if a specific area in Napa is being considered for future microgrid projects. Asked how microgrid locations in general are selected.
	<i>Community Microgrid Enablement Program (CMEP)</i> <ul style="list-style-type: none"> Asked if a large apartment complex would qualify as a microgrid for CMEP?
	<i>Other Backup Gen Resources/DDARP/Portable Battery Program/Generator Rebate Program</i> <ul style="list-style-type: none"> N/A

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PSPS Temporary Power Communications	<ul style="list-style-type: none"> N/A
Grid Resilience Planning Session	<ul style="list-style-type: none"> Discussed potential solutions for the community of Upper Lake, encouraged PG&E to look at the Hartley Sub and other Subs to try to get Upper Lake energized during PSPS events.
Other/General Comments	<ul style="list-style-type: none"> N/A

MEETING PARTICIPANTS			
Name	Title	Agency	Email Address
Alison Talbott	Local Public Affairs Representative	PG&E	
Amy Travis	Deputy Director	Glenn County Office of Emergency Services	atravis@countyofgleen.net
Anish Nand	Engineer	Northern California Power Agency	anish.nand@ncpa.com
Andrew Ace	Program Manager, Electric & Specialist	PG&E	
Anthony Noll	Program Manager	CPUC	anthony.noll@cpuc.ca.gov
Art McAuley	Manager, Business Energy Solutions	PG&E	
Ayla Tucker	Government Relations Representative	PG&E	
Brentt Blaser	Emergency Manager	Mendocino County	blaserb@mendocinocounty.org
Byron Berhel	Deputy Fire Chief of Emergency Management	City of Vallejo	Bryon.berhel@cityofvallejo.net
Carl Schoenhofer	Senior Manager, Humboldt & North Valley Divisions	PG&E	
Carolyn Nava	Systems Change	Disability Action Center	WendyL@actionctr.org
Christopher Godley	Director of Emergency Management	Sonoma County Office of Emergency Management	christopher.godley@sonoma-county.org
Cindy Chen		CPUC	Xc1@cpuc.ca.gov
Clint Hicks	Senior Local Customer Bay Relationship Manager	PG&E	
Dale Carnathan	Emergency Services Manager	Lake County Office of Emergency Services	dale.carnathan@lakecountyca.gov
Dana Carey	Manager	Yolo County Office of Emergency Services	Dana.Carey@yolocounty.org
Daniel Tutt			
Donald L. Ryan	Manager	Solano County Office of Emergency Services	dlryan@solanocounty.com

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MEETING PARTICIPANTS			
Name	Title	Agency	Email Address
Donovan Lee	Public Safety Strategy Specialist	PG&E	
Eddie Morgan	Commission Chair	Tri-County Independent Living	eddie@tillinet.org
Eric Zane	Chief	Woodland Fire Department	Eric.Zane@cityofwoodland.org
Erica Torgerson	Director of Customer Service	Sonoma Clean Power	etorgerson@sonomacleanpower.org
Forest Kaser	Supervisor	CPUC	forest.kaser@cpuc.ca.gov
Frank Fraone	Public Safety Specialist	PG&E	
Fui F. (Isabel) Tong			
Janice Bell	Emergency Services Technician	Colusa County Sheriff/Office of Emergency Services	jbell@colusasheriff.com
Jon Stallman	Principal, PG&E Integrated Grid Planning and Innovation	PG&E	
John Costa	Government Relations/Public Affairs	PG&E	
John Goddard	Public Safety Director	AT&T	jg266q@att.com
Julian Enis	Utilities Engineer, Resiliency and Microgrids Team, Energy Division	CPUC	Julian.Enis@cpuc.ca.gov
Kevin Wasiewski		Napa County Office of Emergency Services	kevin.wasiewski@countyofnapa.org
Kurt Johnson		Yolo County Office of Emergency Services	Kurt.Johnson@yolocounty.org
Leah Greenbaum	Emergency Services Officer	Napa County Office of Emergency Services	leah.greenbaum@countyofnapa.org
Mabel Wu	Senior Accountant	CPUC	Mabel.Wu@cpuc.ca.gov
Mahayla Slackerelli	Account Services Manager	Redwood Coast Energy Authority	msslackerelli@redwoodenergy.org
Mark van Gorder	Senior Government and Public Affairs	PG&E	
Mary Anne Sawi	Area Manager Northern California Mobility Ops	AT&T	ms6246@att.com
Marybeth Farley	Program and Project Supervisor	CPUC	marybeth.farley@cpuc.ca.gov
Matthew Hawkins	Emergency Management	Sacramento County Office of Emergency Services	hawkinsm@sacoes.org
Matthew Marshall	Executive Director	Redwood Coast Energy Authority	mmarshall@redwoodenergy.org
Melinda Rivera	Local Public Affairs & Government Relations	PG&E	

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MEETING PARTICIPANTS			
Name	Title	Agency	Email Address
Mike Humphrey			
Mike Wilson	Public Safety Specialist	PG&E	
Molly Hoyt	Community Microgrid Enablement Program Specialist	PG&E	
Naveed Paydar	Local Government Liaison, Executive Division	CPUC	nvp@cpuc.ca.gov
Neal Reardon	Director of Regulatory Affairs	Sonoma Clean Power	
Neil Bregman	Emergency Preparedness Manager	Santa Rosa Fire Department	nbregman@srcity.org
Reno Franklin	Tribal Liaison	PG&E	
Rich Noonan	Senior Public Safety Specialist	PG&E	
Richard A. Saldivar	Project Manager	California American Water	richard.saldivar@amwater.com
Rob Cone	Senior Public Safety Specialist	PG&E	
Ron Halog	Executive Director of Community Resources	Independent Living Resources of Solano & Contra Costa Counties	ronh@ilrsc.org
Ryan Tracey	Energy Analyst	Sonoma Clean Power	rtracey@sonomacleanpower.org
Scott Harter	Administrator	Lake County Special Districts	scott.harter@lakecountyca.gov
Shawn Swatosh	Senior Director, Area Operations	Mediacom Communications	sswatosh@mediacomcc.com
Steven Lederer	Director	Napa County Department of Public Works	PublicWorks@countyofnapa.org
Taylor Curtis	Disability Disaster Access & Resources Coordinator	Disability Services & Legal Center	taylorcurtis@mysdsc.org
Terry Crowley	Utilities Director	Healdsburg Electric Utility	tcrowley@ci.healdsburg.ca.us
Todd Derum	Public Safety Specialist	PG&E	
Vic Baker	Senior Manager, Diablo, Sonoma, North Bay Divisions	PG&E	

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**Community Wildfire Safety Program
Regional Working Group Summary Sheet**

INFORMATION		
Region: South Bay/Central Coast	Quarter: Q1	Meeting Date: 03/25/2021

INFORMATION REQUESTS / FOLLOW-UP ITEMS

Description	Owner	Recipient	Status
Follow up regarding how PG&E is incorporating climate change models into resiliency planning. Including how PSPS resilience work is being coordinated with the climate resilience planning group.	P. Mullen/ H. Rock/ D. Gutierrez	Zoe Elizabeth, Silicon Valley Clean Energy	In Progress
Requested information on whether a microgrid is being considered on Copernicus Peak.	K. Conant/ J. Stallman/ M. Hoyt	Dana Reed, Santa Clara County OES	In Progress
Follow-up to discuss wood chipping assistance provided to customers.	P. Mullen/ D. Cedeno/ J. Kephart	Jerri Strickland, Central Coast Community Energy	In Progress
Coordinate introduction with CAL FIRE Battalion Chief regarding batteries distributed through Independent Living Centers.	P. Mullen/ S. Crawford	Lauren Utterback, ILRC City of Santa Maria	In Progress
Follow-up to discuss request for a webinar where a subject matter expert can discuss safely using and installing backup generators, solar generation and battery devices.	D. Cedeno/ A. Ace	Ann Hepenstal, City of Los Altos	In Progress

FEEDBACK / LESSONS LEARNED

Topic	Summary
Public Safety Power Shutoff Update	<ul style="list-style-type: none"> N/A
Grid Overview	<ul style="list-style-type: none"> Raised whether weather polygons correspond to weather data currently available. Noted interest in the voltages of the different electric lines shown.
Local Resilience Efforts	<i>System Hardening</i> <ul style="list-style-type: none"> N/A

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	<p><i>Sectionalizing</i></p> <ul style="list-style-type: none"> • Inquired as to whether it is possible to include a sectionalizing device layer in the PSPS Portal. • Discussed the cost of installing a device and what types of devices are suitable for different electric pole types. • Raised whether it is possible to add sectionalizing devices to substations within areas that are impacted by high winds.
	<p><i>Substation Microgrids</i></p> <ul style="list-style-type: none"> • N/A
	<p><i>Distribution Microgrids/Remote Grids/Islanding Locations</i></p> <ul style="list-style-type: none"> • N/A
	<p><i>Community Microgrid Enablement Program (CMEP)</i></p> <ul style="list-style-type: none"> • N/A
	<p><i>Other Backup Gen Resources/DDARP/Portable Battery Program/Generator Rebate Program</i></p> <ul style="list-style-type: none"> • N/A
PSPS Temporary Power Communications	<ul style="list-style-type: none"> • N/A
Grid Resilience Planning Session	<ul style="list-style-type: none"> • N/A
Other/General Comments	<ul style="list-style-type: none"> • Discussed customer support and resource information and links included in PG&E bill mailings. • Inquired as to whether PG&E has a program or a plan to assist customers in clearing vegetation and fuels on their property.

MEETING PARTICIPANTS			
Name	Title	Agency	Email Address
Alexander Gordon	Assistant Officer	Valley Water	agordon@valleywater.org
Andrew Young	Office of Emergency Services	City of Gilroy	Andrew.Young@cityofgilroy.org
Ann Hepenstal	Emergency Preparedness Coordinator	City of Los Altos	ahepenstal@losaltosca.gov
Bob Cascone	Office of Emergency Management	City of Cupertino	BobC@cupertino.org
Dana Reed	Director	Santa Clara County Office of Emergency Management	dana.reed@oem.sccgov.org

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MEETING PARTICIPANTS			
Name	Title	Agency	Email Address
Daniel Cedeno	Government Relations Specialist	PG&E	
Donna Germany	Program Administrator	Valley Water	dgermany@valleywater.org
Elizabeth McAlpine	Compliance Branch	California Public Utilities Commission Wildfire Safety Division	elizabeth.mcalpine@cpuc.ca.gov
Gerry Malais	Office of Emergency Services	Monterey County	malaisg@co.monterey.ca.us
Hannah Tarling	Emergency Services Coordinator	Town of Los Gatos	htarling@losgatosca.gov
Jason Muscio	Fire Chief	City of Gonzales Fire Department	jmuscio@ci.gonzales.ca.us
Jeana Arnold	Government Relations Representative	PG&E	
Jerri Strickland	Energy Account Specialist	Central Coast Community Energy	jstrickland@3ce.org
Jess Mendoza	Division Chief	North County Fire Monterey County	jess.mendoza@ncfpd.org
John Baker	Regulatory Analyst	CPUC	john.baker@cpuc.ca.gov
Jorge Ruiz	Assistive Technology Professional	Central Coast Center for Independent Living	jrui@ccil.org
Kevin Conant	Senior Public Safety Specialist	PG&E	
Kevin Smith	Public Safety Specialist	PG&E	
Lauren Utterback	Independent Living Advocate	Independent Living Resource Center, City of Santa Maria	Lutterback@ilrc-trico.org
Lina Williams	Manager of Energy Account Services	Central Coast Community Energy	lwilliams@3ce.org
Lisa Austin	Disability Disaster Director	California Foundation for Independent Living Centers	Lisa@CFILC.org
Lisa Samaro	Technology Coordinator	Silicon Valley Independent Living Center	LisaS@svilc.org
Mark C. Innes		AT&T	
Mark Edria	Public Safety Specialist	PG&E	
Mary Anne Sawi	Area Manager Northern California Mobility Ops	AT&T	ms6246@att.com
Michael Beaton	Director	Santa Cruz County	michael.beaton@santacruzcounty.us
Mike Maskarich	Senior Public Safety Specialist	PG&E	
Molly Hoyt	Community Microgrid Enablement Program Specialist	PG&E	

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MEETING PARTICIPANTS			
Name	Title	Agency	Email Address
Ray Riordan	City Manager's Office of Emergency Management	City of San Jose	ray.riordan@sanjoseca.gov
Reno Franklin	Tribal Liaison	PG&E	
Rob Morse	Central Coast Division Leadership Team Lead	PG&E	
Nate Gillespie	Supervisor, Water Treatment & Systems	San Lorenzo Valley Water District	ngillespie@slvwd.com
Steve Crawford	Public Safety Specialist	PG&E	
Stew Roth	Senior Public Safety Specialist	PG&E	
Sue Sherrin	Office of Emergency Management	Santa Clara County	
Zoe Elizabeth	Energy Services Lead	Silicon Valley Clean Energy	zoe.elizabeth@svcleanenergy.org

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**Community Wildfire Safety Program
Regional Working Group Summary Sheet**

INFORMATION		
Region: Bay Area	Quarter: Q1	Meeting Date: 3/26/21

INFORMATION REQUESTS / FOLLOW-UP ITEMS			
Description	Owner	Recipient	Status
Provide wind polygon for Marin County.	J. Wickham	Woody Baker-Cohn, Marin County Emergency Services Coordinator	In Progress
Provide follow-up information about Marin City microgrid status and further information regarding wind modeling thresholds within Tier 3 areas.	J. Wickham	Woody Baker-Cohn, Marin County Emergency Services Coordinator	In Progress
Follow-up regarding timeline for how long doctor verification requirements are not necessary for Medical Baseline customers.	L. Wetmore/ N. Gill	Ron Halog, ILRSCC	In Progress
Provide communications surrounding research into larger portable batteries that may support larger areas and used for longer durations (i.e., O2 systems within a household).	L. Wetmore	Ron Halog, ILRSCC	In Progress
Requested list of Medical Baseline customers regarding COVID-19 vaccination outreach.	L. Wetmore/ M. van Gorder/ M. Maskarich/ K. Lee	Ron Halog, ILRSCC, Department Director of Alameda County	In Progress
Include in future Bay Area/Central Valley presentations/invite lists.	A. Ace	Aaron McDonald, DRAIL	Complete

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FEEDBACK / LESSONS LEARNED	
Topic	Summary
Public Safety Power Shutoff Update	<ul style="list-style-type: none"> • Acknowledged that 2020 PSPS events were an improvement over 2019. • Emphasized further communication with County Office of Emergency Services regarding critical facilities in respective jurisdictions is still needed. • Discussed leveraging experiences through previous events into planning efforts in the future. • Inquired about potential for longer and more frequent PSPS events in 2021.
Grid Overview	<ul style="list-style-type: none"> • Inquired whether a recorded version of grid flyover or supporting materials would be made publicly available following the meeting. • Shared appreciation of grid overview and level of detail provided.
Local Resilience Efforts	<i>System Hardening</i> <ul style="list-style-type: none"> • Noted there was less system hardening work planned for 2021 and inquired reasoning as to why.
	<i>Sectionalizing</i> <ul style="list-style-type: none"> • N/A
	<i>Substation Microgrids</i> <ul style="list-style-type: none"> • Inquired about PG&E's plans for available generation in terms of microgrids in 2021.
	<i>Distribution Microgrids/Remote Grids/Islanding Locations</i> <ul style="list-style-type: none"> • N/A
	<i>Community Microgrid Enablement Program (CMEP)</i> <ul style="list-style-type: none"> • N/A
	<i>Other Backup Gen Resources/DDARP/Portable Battery Program/Generator Rebate Program</i> <ul style="list-style-type: none"> • Discussed Generator Rebate Program and Medical Baseline requirements. • Inquired about SGIP program availability. • Expressed concern regarding batteries not being sufficient to assist customers who need a larger power source.
PSPS Temporary Power Communications	<ul style="list-style-type: none"> • N/A
Grid Resilience Planning Session	<ul style="list-style-type: none"> • Appreciated effort to improve PSPS communications since onset, including ICS trainings. • Praised GIS team for ongoing improvements and communications regarding PSPS Portal.

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	<ul style="list-style-type: none"> Encouraged continuing COVID-19 CRC model into 2021 PSPS events and not revert too quickly into pre-COVID-19 mentalities.
Other/General Comments	<ul style="list-style-type: none"> N/A

MEETING PARTICIPANTS			
Name	Title	Agency	Email Address
Aaron McDonald	DDARC Project Lead	DRAIL	amcdonald@drail.org
Alicia Masri	Facilities Director	Alameda County Office of Education	amasri@acoe.org
Andrew Ace	Program Manager, Electric & Specialist	PG&E	
Ari Delay	Fire Chief	San Bruno Fire Department	adelay@sanbruno.ca.gov
Bill Chiang	Government Relations	PG&E	
Brett Kawakami	Manager of Water Treatment and Distribution	East Bay Municipal Utility District (EBMUD)	brett.kawakami@ebmud.com
Casey Tholborn	Sheriff	Contra Costa County Sheriff's Office	Cthol@so.cccounty.us
Carl Schoenhofer	Senior Manager, Humboldt & North Valley Divisions	PG&E	
Claudia Luna	Gas Operations Portfolio Lead	PG&E	
Daniel Tutt			
Darin Cline	Senior Manager of External Affairs & Government Relations	PG&E	
Derrick Thomas		AFCD	
Dru Dunton	Administration & Budget Unit	CPUC	dd4@cpuc.ca.gov
Edward Trinh	Operations Specialist	City and County of San Francisco Department of Emergency Management	edward.d.trinh@sfgov.org
Elise Hunter	Strategy Chief, Wildfire Safety Public Engagement	PG&E	
Francisco Salguero	Energy Solutions & Service, Executive Manager	PG&E	
Frank Fraone	Public Safety Specialist	PG&E	
Heather Shepard	Director of Public Affairs	Marin Clean Energy	hshepard@mcecleanenergy.org
Ian Larkin	Fire Chief	CAL FIRE, San Mateo Santa Cruz Unit	ian.larkin@fire.ca.gov

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MEETING PARTICIPANTS			
Name	Title	Agency	Email Address
Jana Kopycoik-Lande	Senior Policy Analyst	Marin Clean Energy	Jkopycoik-lande@mcecleanenergy.org
Jessica			
Jim Baak	DER Program Manager	Marin Clean Energy	jbaak@mcecleanenergy.org
Jim Kenney	Superintendent of Water Treatment	Marin Water	jkenney@marinwater.org
Jim Wickham	Public Safety Specialist	PG&E	
John Goddard	Director, External Affairs	AT&T	john.goddard@att.com
Jon Stallman	Principal, PG&E Integrated Grid Planning and Innovation	PG&E	
Julian Enis	Utilities Engineer, Resiliency and Microgrids Team, Energy Division	CPUC	Julian.Enis@cpuc.ca.gov
Justina Victoriano	Mobility Travel Trainer, Assistive Technology Expert	Community Resources for Independent Living	justina.victoriano@crilhayward.org
Justine Parmelee	Manager of Administrative Services	Marin Clean Energy	jparmelee@mcecleanenergy.org
Larry Mares	Emergency Manager	San Francisco International Airport	Larry.Mares@flysfo.com
Laura Wetmore	Senior Manager, Mission Division	PG&E	
Lauren Wilson	Local Public Affairs	PG&E	
Leanne Hoadley		Marin Clean Energy	lhoadley@mcecleanenergy.org
Les Putnam	Senior Public Safety Specialist	PG&E	
Leslie Brown	Director of Customer Care	Peninsula Clean Energy	
Lisa Austin	Director	CFILC Disability Disaster	Lisa@cfilc.org
Mahdi Jahami	Utilities Engineer	CPUC	
Mark van Gorder	Senior Government and Public Affairs – North Bay	PG&E	
Maurice			
Mike Maskarich	Senior Public Safety Specialist	PG&E	
Molly Hoyt	Principal Program Manager, Community Microgrid Enablement Program Specialist	PG&E	
Nacho Mendoza	Manager of Water Operations	Diablo Water District	nmendoza@diablowater.org
Naveed Paydar	Local Government Liaison, Executive Division	CPUC	nvp@cpuc.ca.gov
Patrick Hennigan	Clean Transportation Strategy & Policy Analyst	PG&E	

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MEETING PARTICIPANTS			
Name	Title	Agency	Email Address
Paul Cruz	Project Coordinator, CARES Act & PSPS Programs	Center for Independence, San Mateo County	paulc@cidsanmateo.org
Paul G. Magoolaghan	Operations Manager, NorCal	AT&T	
Peter Mendoza			
Reno Franklin	Tribal Liaison	PG&E	
Ron Halog		ILRSCC	ronh@ilrsc.org
Sean Sevilla	Manager of Customer Programs	Marin Clean Energy	ssevilla@mcecleanenergy.org
Sarah Yoell	Public Affairs, Bay Area Division/Alameda County	PG&E	
Tim Wesig	Energy Program Manager	Alameda County	Tim.wesig@acgov.org
Tom Francis	Water Resources Manager	Bay Area Water Supply and Conservation Agency	tfrancis@bawsca.org
Theresa Langdon	Senior Emergency Services Coordinator	Alameda County Office of Emergency Services	tlangdon@acgov.org
Vic Baker	Senior Manager, Diablo, Sonoma, North Bay Divisions	PG&E	
Woody Baker-Cohn	Emergency Services Coordinator	Marin Sheriff's Office/Office of Emergency Services	wbaker-cohn@marincounty.org
Zae Perrin	Manager of Customer Operations	Marin Clean Energy	

Some of the measures included in this document are contemplated as additional precautionary measures intended to further reduce the risk of wildfires.

Advice 6148-E
April 1, 2021

Attachment 2

**Agenda and Presentations for the First Quarter 2021,
Regional Working Groups
(including Resiliency Workshop)**



Pacific Gas and Electric Company Community Wildfire Safety Program

Regional Working Group – March 2021

Agenda

Topic	Questions to Consider	Duration
Safety and Introductions		5 min
Meeting Purpose and Background		5 min
Public Safety Power Shutoff Update ▪ Feedback	<ul style="list-style-type: none"> ✓ How are lessons learned from 2020 affecting your 2021 planning efforts? ✓ Are there additional tools/resources your agency needs? ✓ Do you have any additional PSPS Program feedback? 	10 min
Grid Overview and Local Resilience Efforts ▪ Regional and local grid infrastructure ▪ Prioritizing our wildfire safety work ▪ System hardening, sectionalizing and other planned or ongoing grid improvements ▪ Examples of local resilience projects ▪ Temporary generation and microgrids ▪ Community Microgrid Enablement Program	<ul style="list-style-type: none"> ✓ What areas of your local grid would you like more information about? ✓ Are there programs we have discussed today that you would like to explore for your community? ✓ Has your agency/organization explored any resiliency efforts you would like to share with the group? 	40 min
PSPS Temporary Power Communications ▪ In-event communications regarding temporary power ▪ Critical customer coordination	<ul style="list-style-type: none"> ✓ What information would you like to see included in communications during an event around temporary generation, resiliency or backup power? 	10 min
Grid Resilience Planning Session ▪ Local feedback and goals ▪ State Emergency Plan ▪ Community-based collaborative planning framework ▪ Investor-Owned Utility (IOU) best practices		30 min
Open Discussion/Q&A	<ul style="list-style-type: none"> ✓ Are there resilience subjects you would like us to cover in future Regional Working Group meetings? ✓ What resilience efforts are most important to your community? 	20 min

Note: This Regional Working Group meeting addresses requirements from the CPUC’s PSPS Phase II Decision (20-05-051) and Microgrid OIR (19-09-009).

Some of the measures included in this document are contemplated as additional precautionary measures intended to further reduce the risk of wildfires. “PG&E” refers to Pacific Gas and Electric Company, a subsidiary of PG&E Corporation. ©2021 Pacific Gas and Electric Company. All rights reserved. 03/17/2021.

Community Wildfire Safety Program

REGIONAL WORKING GROUP

Bay Area Region

March 26, 2021



Virtual Sign-In Reminder

Please “sign-in” using the chat function and provide your **name, organization and email**.



Safety

General Safety Tip | New PSPS Address Alerts

We are introducing an important new notification tool: **PSPS Address Alerts**. These alerts can help you prepare and stay safe. Customers and non-account holders can be alerted in multiple languages about a potential PSPS event at any address that is important to them. Notifications will be by call and text.

Sign up for addresses that you care about, such as:

- ✓ Your work or business
- ✓ Your child's school or daycare
- ✓ The home of a friend or loved one



Learn more at

pge.com/addressalerts





Agenda

DISCUSSION TOPICS:

- 1 Safety and Introductions**
- 2 Meeting Purpose and Background**
- 3 Public Safety Power Shutoff (PSPS) Update**
- 4 Grid Overview and Local Resilience Efforts**
- 5 PSPS Temporary Power Communications**
- 6 Grid Resilience Planning Session (Co-Moderated)**
- 7 Open Discussion/Q&A**

REGIONAL CO-MODERATOR:

Terri Langdon | Alameda County Office of Emergency Services

PG&E PRESENTERS:

Laura Wetmore | Senior Manager Local Customer Experience and Division Lead

Mark van Gorder | Local Public Affairs

Frank Fraone | Public Safety Specialist

Reno Franklin | Tribal Liaison

Jon Stallman | Integrated Grid Planning and Innovation

Molly Hoyt | Community Microgrid Enablement Program



Virtual Sign-In Reminder

Please “sign-in” using the chat function and provide your **name, organization and email.**

WORKING GROUP PARTICIPANTS:

- ❑ County Office of Emergency Services
- ❑ Tribal Representatives
- ❑ City Government Representatives
- ❑ Access and Functional Needs Representatives
- ❑ Community Based Organizations
- ❑ First Responders
- ❑ Telecommunications Providers
- ❑ Water Agencies
- ❑ Community Choice Aggregators
- ❑ Caltrain/SamTrans
- ❑ Public Works Partners
- ❑ Publicly Owned Electric Utilities
- ❑ Small, Multi-Jurisdictional Electric Utilities
- ❑ California Public Utilities Commission (CPUC) Staff
- ❑ Filsinger Energy Partners
- ❑ PG&E

Meeting Purpose and Background

Regional Working Groups provide a forum for communities impacted by PSPS events and PG&E to share lessons learned and discuss wildfire mitigation progress. These meetings address requirements from both the CPUC's [PSPS Phase II Decision](#) and [Microgrid OIR](#).

Meeting Purpose:

- **Highlight feedback received** from agencies, tribes and other stakeholders
- **Discuss planned and ongoing grid improvements** including system hardening, sectionalizing and other resilience efforts
- **Review local resilience projects and resources** available to agencies and customers
- **Provide an overview of the in-event notification** process for temporary power
- **Coordinate with regional stakeholders** on local resilience efforts and make PG&E subject matter experts available to answer questions

A summary of the feedback gathered here today and results from a post-meeting survey, will be made public and shared with the CPUC.



Public Safety Power Shutoff (PSPS) Program





2020/2021 Post-Event Outreach and Feedback

Following this past year's PSPS events, PG&E engaged with agency/Tribal leaders, public safety partners and customers to listen, gather feedback and identify areas for improvement.

Regional Working Groups	Post-event Surveys	PSPS Listening Sessions	PSPS Advisory Committee	Customer Outreach
Quarterly meetings held in five geographic regions (Bay Area, South Bay/Central Coast, Central Valley, Sierra, North Coast)	Surveys sent to impacted county, city and Tribal governments following PSPS events	Meetings with county and Tribal emergency managers, local governments and public safety partners	Ongoing, ad hoc meetings with targeted group of county, Tribal and state agency representatives	Feedback provided from customers via surveys, focus groups, Contact Center calls, online forums and social media
5 meetings in Q4 2020	34 survey responses	41 meetings complete	8 meetings complete	~9,900 customers

Feedback from 2020/2021 PSPS Events

Our customers and communities recognized the improvements we made this PSPS season. While our processes improved compared to last year, we must continue to do better.



What we've heard from our customers:

- Approx. 60% of customers say PG&E's handling of PSPS has improved compared to the previous year
- Users of pge.com noted an improved experience and availability of information
- Customers also noted experiencing inaccurate or inconsistent information in some cases
- Customers want more accurate restoration times
- Customers lose time and money due to PSPS
- Medical Baseline customers want additional support and information



What we've heard from our communities:

- Significant improvement in PSPS execution in 2020, noting scope reductions were impactful
- Provide more consistent, timely and accurate info on the PSPS Portal and other channels
- Build on partnerships with CBOs and explore other resource offerings
- Continue engagement around Community Resource Centers
- Increase coordination with telecom providers
- Requests for additional mitigation and temporary generation information and support

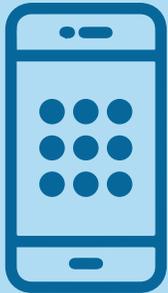
2021 Key PSPS Focus Areas

We continue to evolve our wildfire safety and PSPS programs based on lessons learned, new data and feedback received from our customers and communities.

 Customer Preparedness and Support	 Agency/Tribal Outreach and Support	 Operational Improvements
<ul style="list-style-type: none"> ▪ Enhance and expand CBO partnerships and improve in-event coordination ▪ Drive greater participation in battery programs to help vulnerable and frequently impacted customers ▪ Further refinement of event notification content and timing ▪ Refine Community Resource Centers ▪ Continue to host webinars, open houses and safety town halls to gather feedback, share information and drive preparedness 	<ul style="list-style-type: none"> ▪ Continue to improve information sharing during an event (i.e., PSPS Portal, situation report, etc.) ▪ Conduct trainings and exercises to help public safety partners prepare ▪ Ongoing engagement and coordination with cities, counties and tribes through Regional Working Groups, advisory committees, working sessions and direct outreach ▪ Share information about local wildfire safety projects and grid resiliency 	<ul style="list-style-type: none"> ▪ Ongoing systemwide improvements to reduce scope and duration ▪ Continue to refine and improve PSPS decision-making, scoping process and tools ▪ Enhance data quality, accuracy and reporting capabilities ▪ Drive greater consistency in information sharing across all channels during an event ▪ Additional training and support for EOC staff to ensure in-event readiness ▪ Develop longer-term program plan and potential asset-based solutions



Insert your questions or feedback into the chat function.



Ask your question or provide your feedback verbally by unmuting your line.



How are lessons learned from 2020 affecting your 2021 planning efforts?



Are there additional tools/resources your agency needs?



Do you have any additional PSPS Program feedback?

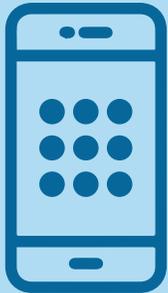
Grid Overview and Local Resilience Efforts

Grid Flyover





Insert your questions or feedback into the chat function.



Ask your question or provide your feedback verbally by unmuting your line.



What areas of your local grid would you like more information about?

How We're Prioritizing Our Wildfire Safety Work



To ensure we are addressing the highest wildfire risk areas, **we have implemented the latest wildfire risk model available** to maximize the safety of our customers and the communities we serve.

What this means in your community:



This advanced wildfire risk model allows us to **more precisely pinpoint the areas where we should focus** our system hardening and wildfire risk reduction efforts.



As a result of the new wildfire risk model, **customers and communities will see a shift in where we are prioritizing** our wildfire safety work in the coming years.



The shift in our work is a **direct result of the improved risk modeling technology** now available, providing a safer system to all of our customers across our service area.



Local System Hardening – Bay Area Region

We are installing stronger poles, covered power lines and conducting targeted undergrounding to further reduce wildfire risks.

Our systemwide hardening work in 2021 will occur across **180 distribution circuit miles** in locations facing the highest wildfire risk.

System hardening will:

- Enhance long-term safety, especially during times of high fire-threat
- Improve reliability during winter
- In certain cases, reduce PSPS event impacts

Local work plans are subject to change and data is based on the best available information at this time.

COUNTY	 COMPLETE THROUGH 2020	 2021 PLANNED
Alameda	4 LINE MILES	0 LINE MILES
Contra Costa	15 LINE MILES	2 LINE MILES
Marin	3 LINE MILES	0 LINE MILES
San Francisco	0 LINE MILES	0 LINE MILES
San Mateo	2 LINE MILES	5 LINE MILES



Local Sectionalizing – Bay Area Region

We’re installing new sectionalizing devices to limit the number of customers impacted during a PSPS event.

Our sectionalizing work in 2021 includes installing at least 250 new automated sectionalizing devices in high fire-threat areas across our service area.

These sectionalizing devices separate the electric grid into smaller parts, allowing us to de-energize targeted areas during severe weather or fire conditions and improve efficiency.

Local work plans are subject to change and data is based on the best available information at this time.

COUNTY	 COMPLETE THROUGH 2020	 2021 PLANNED
Alameda	72 DEVICES	6 DEVICES
Contra Costa	39 DEVICES	3 DEVICES
Marin	60 DEVICES	2 DEVICES
San Francisco	0 DEVICES	0 DEVICES
San Mateo	43 DEVICES	19 DEVICES

Substation Microgrids – Systemwide

In 2020, PG&E prepared 60 substation microgrids to receive temporary generation during PSPS events. Since then, we have continued to make improvements to weather modeling, grid operations and overall system resiliency.

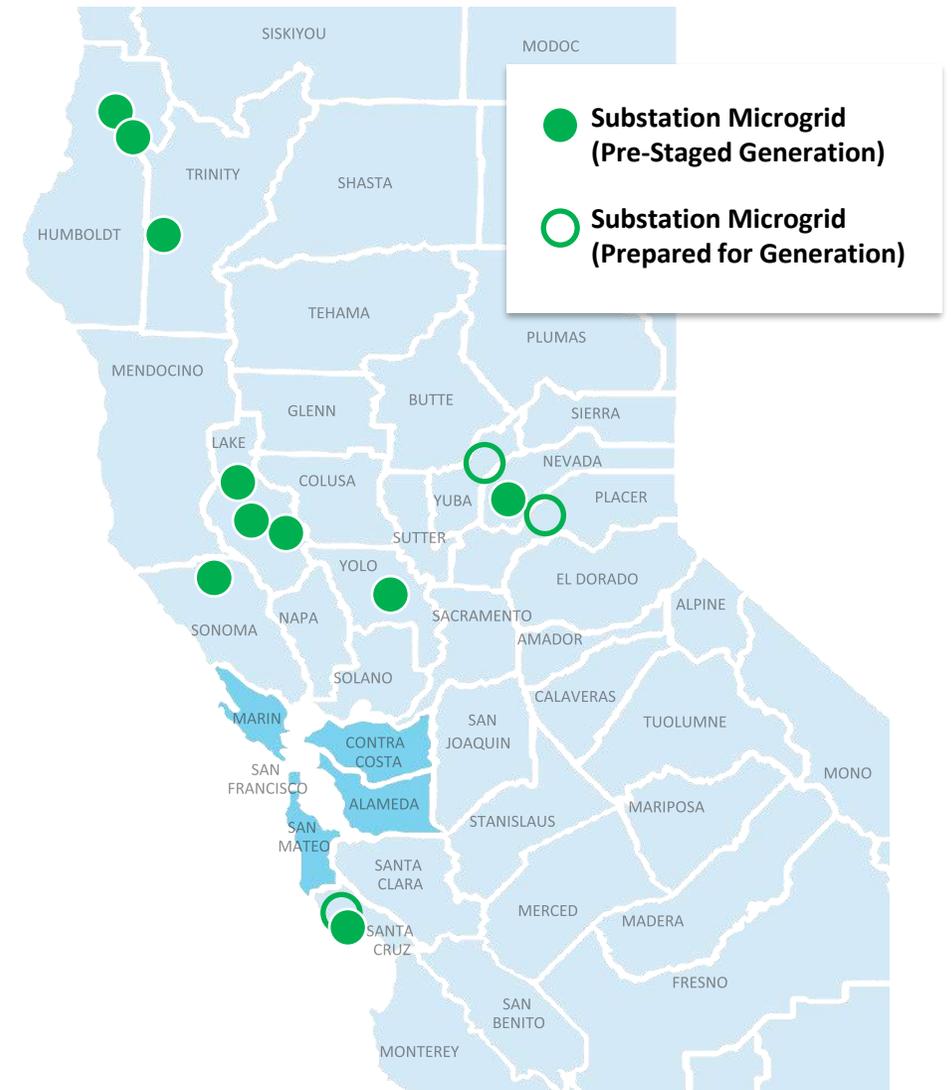


As a result of these improvements, **many of the substation microgrids prepared for temporary generation in 2020 are now significantly less likely to experience a PSPS related outage.**



In 2021, we plan to **pre-interconnect and test generation at 10 substation microgrids**, and we will also develop energization plans for three additional substation microgrids to allow them to more quickly receive generation if needed.

Local work plans are subject to change and data is based on the best available information at this time.





Systemwide Grid Resilience Efforts

To help prevent wildfires and reduce the number of customers affected by PSPS, we are deploying new technology and investing in a stronger, more flexible grid.

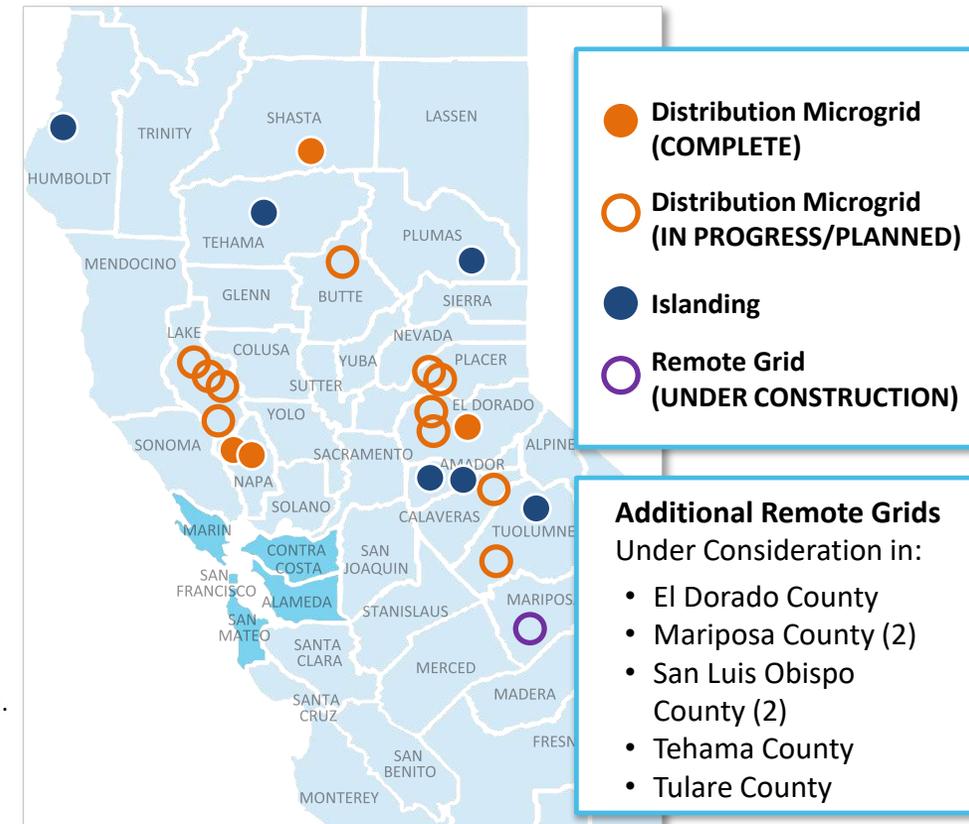
Program	Description	2020 Sites	New 2021 Sites
Distribution Microgrids	Microgrids prepared to energize “main street” corridors, central community resources, and critical facilities in areas that frequently experience PSPS events.	7*	5**
Remote Grids	Remote Grids use a combination of solar power, battery storage and propane generation to provide energy to customers independent from the larger electric grid.	0	1***
Islanding Locations	Reconfiguration of local generation sources to allow certain areas to be separated from the larger electric grid and remain energized during PSPS events.	6	0

*Included 3 complete microgrids and 4 temporarily completed microgrids that will require additional work in 2021.

**Represents 5 new microgrids to be completed in 2021; note that additional sites are also in development (see appendix for details).

***Additional remote grids under consideration (see appendix for details).

Note: There is no microgrid work currently planned in this region. PG&E is prioritizing its wildfire safety work by locations with the highest risk of wildfire and locations that will reduce PSPS impacts for the most customers. Additional work is being planned for 2022 and beyond to make our system safer and more resilient.



Local work plans are subject to change and data is based on the best available information at this time.

Community Microgrid Enablement Program (CMEP)

A community microgrid is an electric system that serves multiple customers and can operate independently from the central energy grid. If you're interested in exploring if a microgrid may be a fit for your community, we can help.

Our new CMEP program helps communities plan and implement their own microgrid projects. This can include **technical expertise** and **potentially, one-time cost offsets**.

To qualify for this program, microgrid projects must meet the following criteria:

- ✓ Serve areas that have **experienced a past PSPS event**, or are in a high fire-threat district or an area prone to outages
- ✓ Priority will be given to projects in **disadvantaged and vulnerable communities**
- ✓ Serves **one or more critical facilities** plus at least one additional customer
- ✓ **Be supported by local governments and stakeholders**

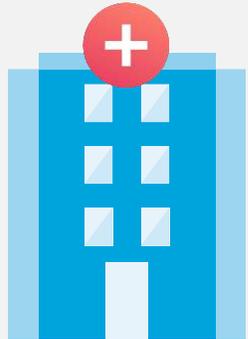
Learn more at

pge.com/resilience



Other Backup Generation Resources

To help mitigate PSPS impacts, PG&E will continue securing temporary generation sources prior to wildfire season to allow us to keep the lights on and provide resources to customers and communities during PSPS events.



Ad Hoc Backup Power Support

As a last resort, backup generation may be available for critical facilities, including but not limited to hospitals, transportation corridors, and water/sewage facilities.



Community Resource Centers

To allow customers to charge cell phones, laptops and small medical devices during a PSPS event.



PG&E will only deploy ad hoc backup power support where there is a high risk to public safety, environmental hazard or essential response facilities. PG&E is not a primary source of backup power for customers during PSPS events. Customers are encouraged to continue to take steps to prepare for the possibility of future PSPS events, including securing backup power if appropriate and possible.



CFILC Disability Disaster Access and Resources Program (DDARP)

PG&E is collaborating with the California Foundation for Independent Living Centers (CFILC) to provide qualifying customers with targeted outreach, personalized emergency planning support, energy needs assessments and in-event PSPS support. In-event support can include the following support based on customer needs:



Response to Escalations

received through PG&E's call center



Hotel Accommodations



Accessible Transportation

to hotels and Community Resource Centers



Food Vouchers



Gas Cards for generator fuel



Portable Batteries

During 2020 PSPS events, the following resources were provided:

~1,700 customers assessed

~1,000 batteries provided

~560 hotel vouchers provided

~900 food vouchers provided

~30 accessible transit rides provided

Data is subject to change and is based on best available information at this time.

Learn more about DDARP by visiting

DisabilityDisasterAccess.org

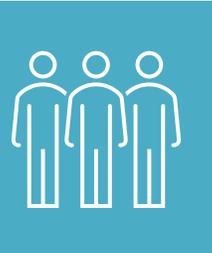
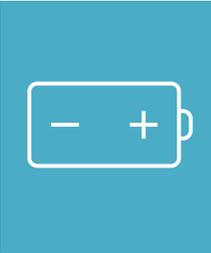




Portable Battery Program

PG&E is also conducting PSPS emergency preparedness outreach and energy needs assessments to support low-income Medical Baseline customers in high fire-threat areas with critical medical equipment and delivering fully subsidized portable battery solutions to eligible customers.

To date, this program has included the following:

	Establishing relationships with seven external battery delivery partners		Assessing over 8,800 customers
	Providing outreach to ~22,000 customers		Providing over 5,550 batteries to customers



Generator Rebate Program

Launched in late 2020, this program provides customers who depend on a well water pump and live in high fire-threat areas with a single rebate for purchasing a qualified portable power generator.

Program Offerings:



\$300 rebate for eligible customers and a **\$500 rebate** for eligible customers who are also participants in the CARE/FERA program.



Rebates are offered through PG&E's backup power marketplace located at pge.com/backuppowers and over 100 customers have already taken advantage of the rebate.

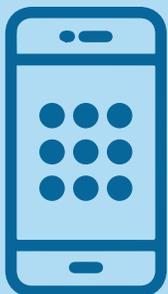
Learn more about PG&E's Generator Rebate Program by visiting

pge.com/backuppowers

Regional and Local Resilience Efforts – Feedback



Insert your questions or feedback into the chat function.



Ask your question or provide your feedback verbally by unmuting your line.



Are there programs we have discussed today that you would like to explore for your community?



Has your agency/ organization explored any resiliency efforts you would like to share with the group?

Public Safety Power Shutoff Microgrid Communications



In-Event Notification/Information Tools for Microgrids

During a PSPS event, we will inform agencies and customers that they will receive temporary generation through the following channels:



Notifications/Calls



Tools and Data

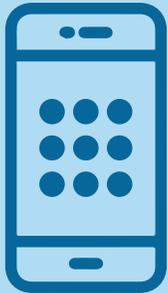


Support

	Notifications/Calls	Tools and Data	Support
Agencies	<ul style="list-style-type: none"> Ongoing coordination with Assigned Agency Representative Operational Area Cooperators Call 	<ul style="list-style-type: none"> Situation Report PSPS Portal 	Assigned Agency Representative
Critical Customers	Standard customer notifications with temporary power specific information, when applicable	Critical facilities that are Public Safety Partners receive: <ul style="list-style-type: none"> Situation Report PSPS Portal 	Assigned Account Representative or PG&E Operational Emergency Center Customer Strategy Officer, if applicable
Residential Customers	Standard customer notifications with temporary power specific information, when applicable	PG&E Emergency Web Address Lookup Tool (all customers)	PG&E Call Center



Insert your questions or feedback into the chat function.



Ask your question or provide your feedback verbally by unmuting your line.



What information would you like to see included in communications during an event around temporary generation, resiliency or backup power?

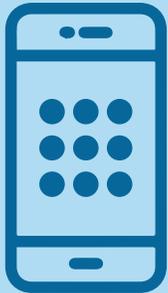
Grid Resilience Planning Session

Regional Co-Moderator





Insert your questions or feedback into the chat function.



Ask your question or provide your feedback verbally by unmuting your line.



Are there resilience subjects you would like us to cover in future Regional Working Group meetings?



What resilience efforts are most important to your community?

Next Steps

- 
Meeting survey shared with participants to gather feedback on approach and content of regional working group

- 
Follow-up on items identified by local agencies/stakeholders

- 
Upcoming meetings
 - Wildfire Safety Working Sessions (WSWS)
 - Safety Town Halls
 - Regional Webinars
 - Future Regional Working Group Meetings

2021 REGIONAL WORKING GROUP CALENDAR	
TIMING	PROPOSED TOPICS
Q1 2021	<ul style="list-style-type: none"> • Electric grid resiliency solutions • Microgrids and temporary generation • PSPS planning and preparedness
Q2 2021	<ul style="list-style-type: none"> • PSPS and Wildfire Safety
Q3 2021	<ul style="list-style-type: none"> • PSPS weather and climatology analysis • Local reliability statistics • Microgrids and temporary generation • PSPS outage scenarios
Q4 2021	<ul style="list-style-type: none"> • PSPS and Wildfire Safety

Thank You



Appendix





Status of Planned/Upcoming Resilience Efforts – Systemwide

Program	County	Site Name/Area	Status	Estimated Completion
Substation Microgrids	Humboldt	Hoopa	Planning	August 1, 2021
	Humboldt	Willow Creek	Planning	August 1, 2021
	Lake	Clear Lake	Planning	August 1, 2021
	Lake	Hartley	Planning	August 1, 2021
	Lake	Konocti	Planning	August 1, 2021
	Nevada	Brunswick	Planning	August 1, 2021
	Placer	Weimar	Planning	August 1, 2021
	Santa Cruz	Big Basin	Planning	August 1, 2021
	Santa Cruz	Point Moretti	Planning	August 1, 2021
	Sonoma	Cloverdale	Planning	August 1, 2021
	Trinity	Low Gap	Planning	August 1, 2021
	Yolo	Plainfield	Planning	August 1, 2021
	Yuba	Dobbins	Planning	August 1, 2021
Distribution Microgrids	Butte	Magalia	Construction	Q2 2021
	Calaveras	Arnold	Construction	Q3 2021
	El Dorado	Georgetown	Planning	Q2 2021
	El Dorado	Placerville	Temp. Complete 2020 – Addl. Enhancements in 2021	Q4 2021
	El Dorado	Pollock Pines	Complete	N/A
	Lake	Clearlake North	Temp. Complete 2020 – Addl. Enhancements in 2021	Q4 2021
	Lake	Clearlake South	Planning	Q3 2021

Local work plans are subject to change and data is based on the best available information at this time.



Status of Planned/Upcoming Resilience Efforts – Systemwide

Program	County	Site Name/Area	Status	Estimated Completion
Distribution Microgrids (cont.)	Lake	Lucerne	Planning	Q3 2021
	Lake	Middletown	Planning	Q2 2021
	Napa	Angwin	Complete	N/A
	Napa	Calistoga	Complete	N/A
	Placer	Colfax	Temp. Complete 2020 – Addl. Enhancements in 2021	Q4 2021
	Placer	Foresthill	Planning	Q3 2021
	Shasta	Shingletown	Complete	N/A
	Tuolumne	Groveland	Planning	Q3 2021
Remote Grids	El Dorado	El Dorado	Planning	Q1 2022
	Mariposa	Mariposa 1	Construction	Q2 2021
	Mariposa	Mariposa 2	Planning	Q1 2022
	Mariposa	Mariposa 3	Planning	Q1 2022
	San Luis Obispo	San Luis Obispo 1	Design & Permitting	Q2 2022
	San Luis Obispo	San Luis Obispo 2	Design & Permitting	Q2 2022
	Tulare	Tulare	Planning	Q2 2022
	Tehama	Tehama	Planning	Q1 2022
Islanding	Amador/Calaveras	Salt Springs Island	Complete	N/A
	Amador/Calaveras	West Point Island	Complete	N/A
	Humboldt	Humboldt Bay Island	Complete	N/A
	Plumas	Caribou Island	Complete	N/A
	Tehama	Red Bluff Island	Complete	N/A
	Tuolumne	Spring Gap Island	Complete	N/A

Local work plans are subject to change and data is based on the best available information at this time.

Some of the measures included in this presentation are contemplated as additional precautionary measures intended to further reduce the risk of wildfires.



Customer Support Resources in Bay Area Region

Bay Area Region Community-Based Organizations

CFILC

- Center for Independence of the Disabled
- Community Resources for Independent Living
- Independent Living Resources of Solano & Contra Costa Counties
- Marin Center for Independent Living

Food Banks

- Alameda County Food Bank
- Food Bank of Contra Costa & Solano
- Second Harvest Food Bank of Silicon Valley
- The San Francisco Food Bank

Meals on Wheels

- Life ElderCare
- Meals on Wheels Diablo Region
- Peninsula Volunteers
- Senior Coastsiders
- Service Opportunity for Seniors
- Spectrum Community Services
- Ceres Community Project

In-Language

- ABS-CNB
- Alianza News
- KBTV-Crossings TV
- KDTV Univision
- KIQI Radio
- KRON4.2-Skylink TV
- KSFN-News for Chinese Radio
- KSIZ-Korean American Radio
- KTSF-TV
- KTVO-Sing Tao Radio
- KZSF Radio
- La Voz
- Lotus Radio Sacramento
- PAMA One Radio
- Puente
- Radio Lazer SJ (KSFN)
- Russian American Media
- Sound of Hope Radio Network
- Radio Lazer SJ (KXZM 93.7 FM)

Additional Partnership Opportunities

Organization	County
Marin County Meals on Wheels	Marin



Local partnership request: Can you help us get in touch with these agencies?

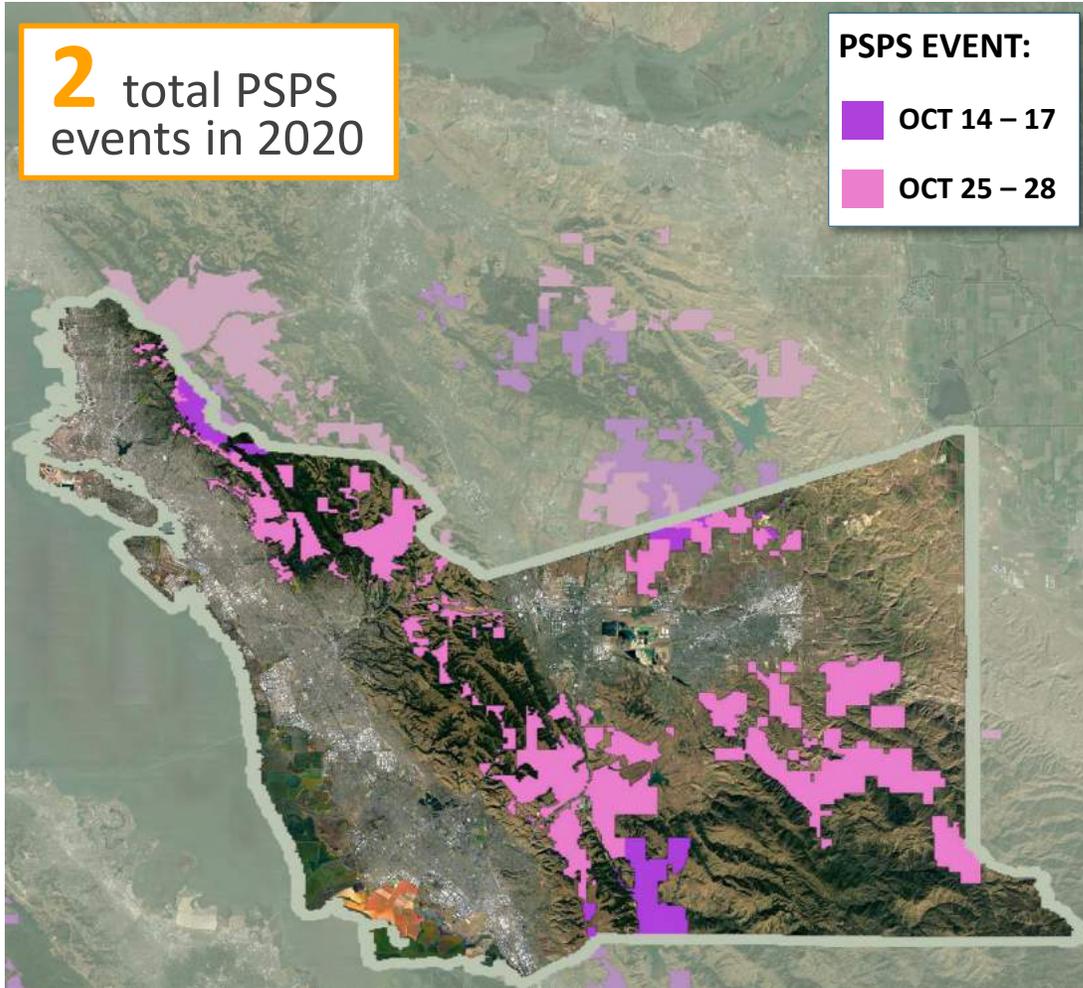


PSPS Event Overview Alameda County

2 total PSPS events in 2020

PSPS EVENT:

- OCT 14 – 17
- OCT 25 – 28



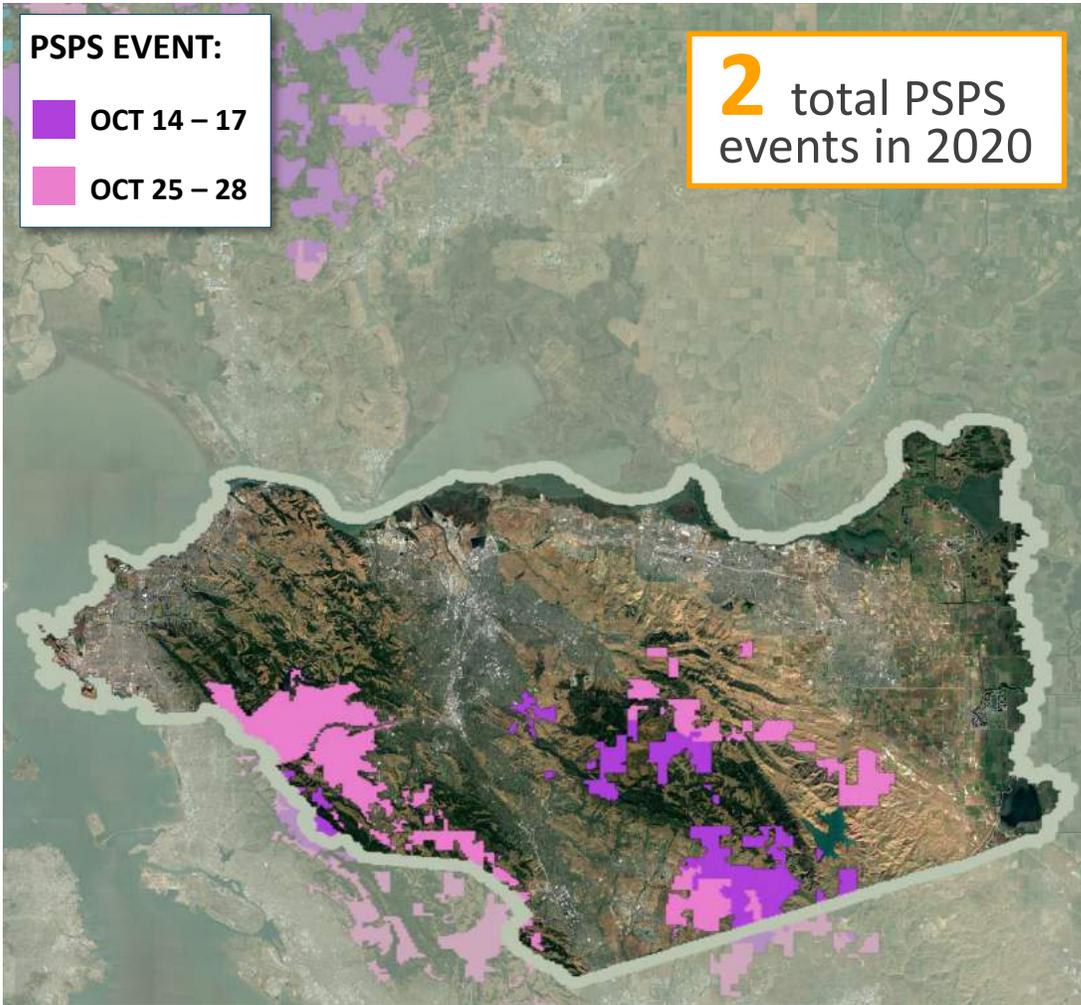
Note: PSPS impact areas are approximate and may overlap

Event Details

	OCT 14 – 17	OCT 25 – 28
 CUSTOMERS IMPACTED	5,339	18,737
 COMMUNITY RESOURCE CENTERS OPEN	1	4
 PEAK WIND GUSTS	46 MPH	66 MPH
 DAMAGE/HAZARDS	4	8
 AVG. RESTORATION TIME	4 HRS	7 HRS
 TOTAL AVG. OUTAGE DURATION	19 HRS	34 HRS



PSPS Event Overview Contra Costa County



Note: PSPS impact areas are approximate and may overlap

Event Details

	OCT 14 – 17	OCT 25 – 28
CUSTOMERS IMPACTED	959	15,323
COMMUNITY RESOURCE CENTERS OPEN	2	4
PEAK WIND GUSTS	61 MPH	74 MPH
DAMAGE/HAZARDS	0	5
AVG. RESTORATION TIME	2 HRS	15 HRS
TOTAL AVG. OUTAGE DURATION	29 HRS	36 HRS



PSPS Event Overview Marin County

1 total PSPS event in 2020

PSPS EVENT:
OCT 25 – 28

Event Details

OCT
25 – 28



CUSTOMERS IMPACTED

14,583



COMMUNITY RESOURCE CENTERS OPEN

4



PEAK WIND GUSTS

54
MPH



DAMAGE/HAZARDS

7



AVG. RESTORATION TIME

8
HRS



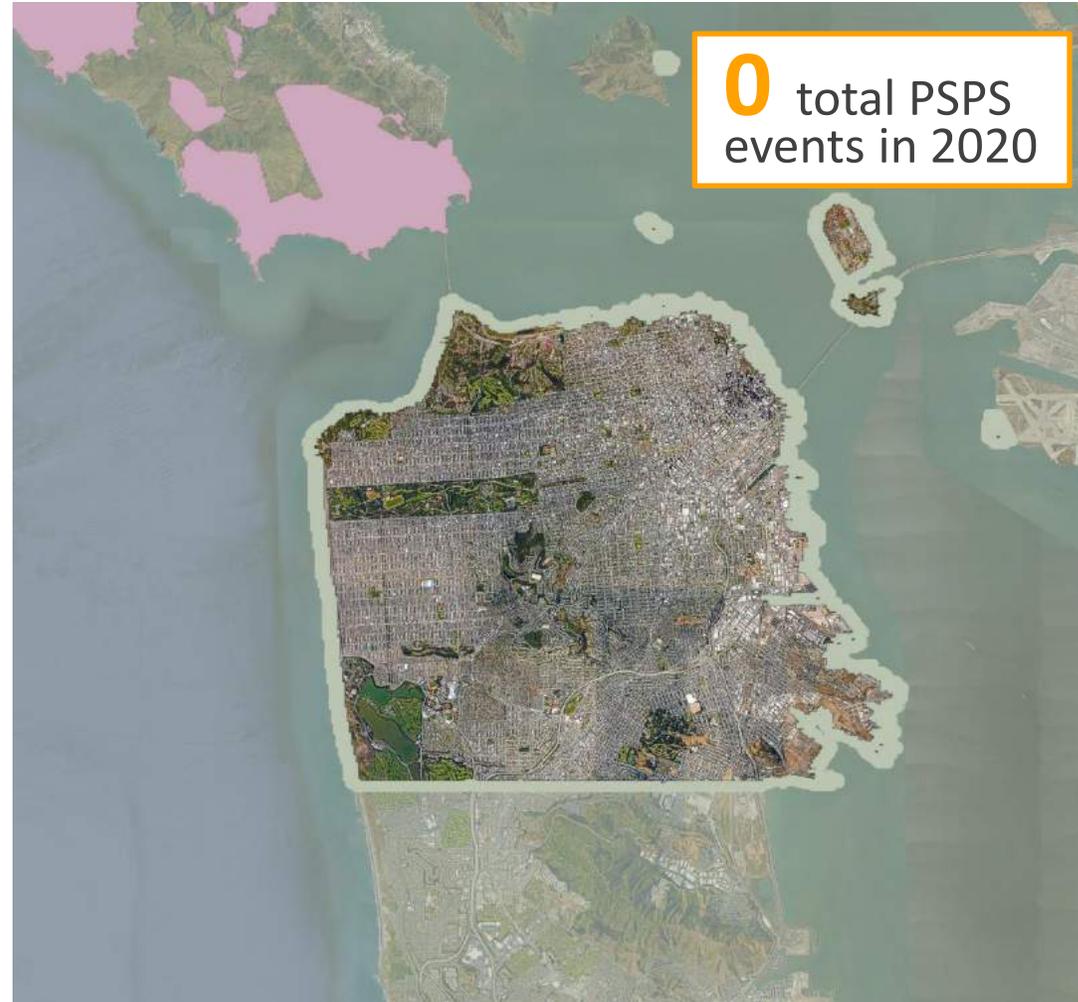
TOTAL AVG. OUTAGE DURATION

27
HRS

Note: PSPS impact areas are approximate



PSPS Event Overview San Francisco County

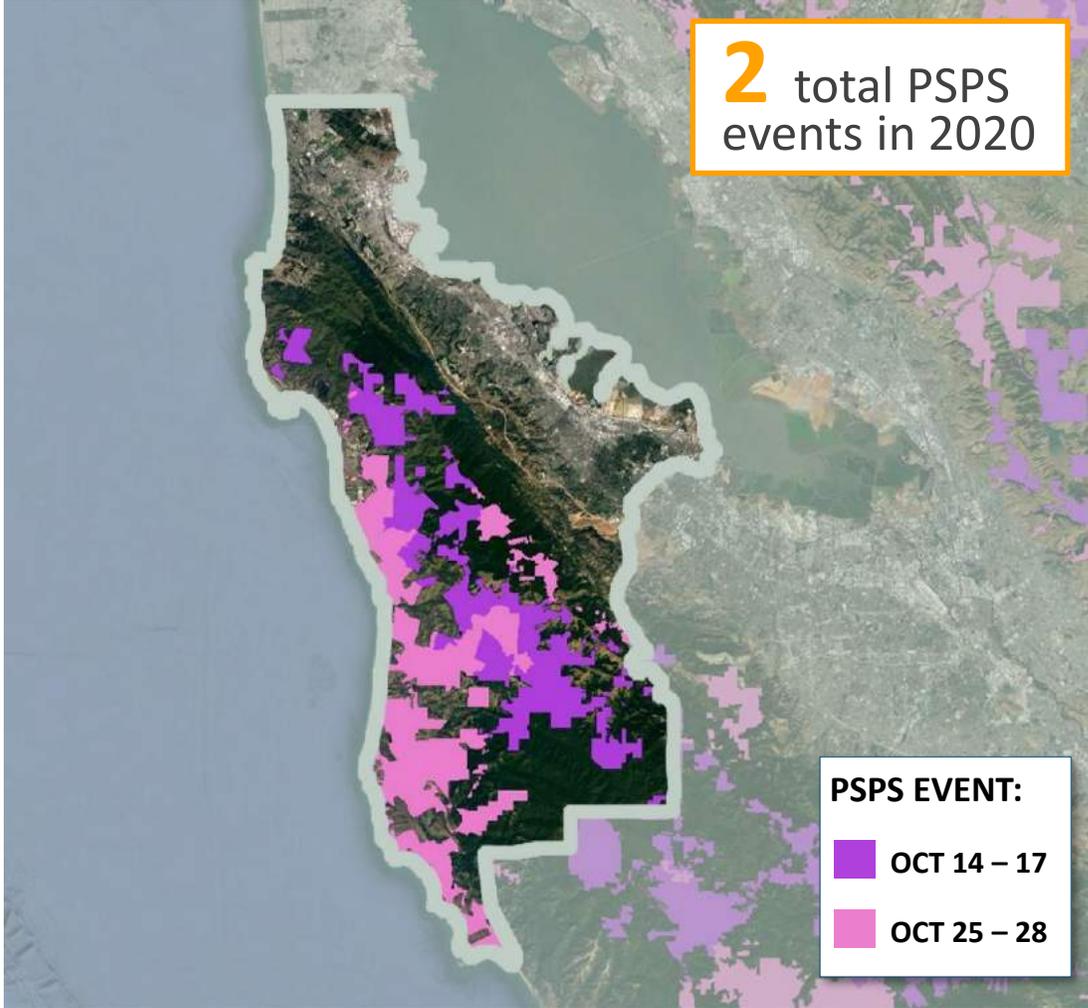


San Francisco county did not experience a PSPS impact in 2020.



PSPS Event Overview San Mateo County

2 total PSPS events in 2020



Note: PSPS impact areas are approximate and may overlap

Event Details

	OCT 14 - 17	OCT 25 - 28
CUSTOMERS IMPACTED	1,740	3,618
COMMUNITY RESOURCE CENTERS OPEN	2	3
PEAK WIND GUSTS	38 MPH	50 MPH
DAMAGE/HAZARDS	3	6
AVG. RESTORATION TIME	9 HRS	5 HRS
TOTAL AVG. OUTAGE DURATION	43 HRS	27 HRS

Community Wildfire Safety Program

REGIONAL WORKING GROUP

Central Valley Region

March 24, 2021



Virtual Sign-In Reminder

Please “sign-in” using the chat function and provide your **name, organization and email.**



Safety

General Safety Tip | New PSPS Address Alerts

We are introducing an important new notification tool: **PSPS Address Alerts**. These alerts can help you prepare and stay safe. Customers and non-account holders can be alerted in multiple languages about a potential PSPS event at any address that is important to them. Notifications will be by call and text.

Sign up for addresses that you care about, such as:

- ✓ Your work or business
- ✓ Your child's school or daycare
- ✓ The home of a friend or loved one



Learn more at

pge.com/addressalerts





Agenda

DISCUSSION TOPICS:

- 1 Safety and Introductions**
- 2 Meeting Purpose and Background**
- 3 Public Safety Power Shutoff (PSPS) Update**
- 4 Grid Overview and Local Resilience Efforts**
- 5 PSPS Temporary Power Communications**
- 6 Grid Resilience Planning Session (Co-Moderated)**
- 7 Open Discussion/Q&A**

REGIONAL CO-MODERATOR:

John Osbourn | Calaveras County Office of Emergency Services

PG&E PRESENTERS:

Terry Metters Jr. | Senior Manager Local Customer Experience and Division Lead

Erica Cabrera | Local Public Affairs

Pam Perdue | Public Safety Specialist

Reno Franklin | Tribal Liaison

Jon Stallman | Grid Planning/Innovations

Molly Hoyt | Community Microgrid Enablement Program



Virtual Sign-In Reminder

Please “sign-in” using the chat function and provide your **name, organization and email.**

WORKING GROUP PARTICIPANTS:

- ❑ County Offices of Emergency Services
- ❑ Tribal Representatives
- ❑ Access and Functional Needs Representatives
- ❑ Community Based Organizations
- ❑ First Responders
- ❑ Health and Human Services Representatives
- ❑ Telecommunications Providers
- ❑ Water Agencies
- ❑ Community Choice Aggregators
- ❑ Publicly Owned Electric Utilities
- ❑ California Public Utilities Commission (CPUC) Staff
- ❑ Filsinger Energy Partners
- ❑ PG&E

Meeting Purpose and Background

Regional Working Groups provide a forum for communities impacted by PSPS events and PG&E to share lessons learned and discuss wildfire mitigation progress. These meetings address requirements from both the CPUC's [PSPS Phase II Decision](#) and [Microgrid OIR](#).

Meeting Purpose:

- **Highlight feedback received** from agencies, tribes and other stakeholders
- **Discuss planned and ongoing grid improvements** including system hardening, sectionalizing and other resilience efforts
- **Review local resilience projects and resources** available to agencies and customers
- **Provide an overview of the in-event notification** process for temporary power
- **Coordinate with regional stakeholders** on local resilience efforts and make PG&E subject matter experts available to answer questions

A summary of the feedback gathered here today and results from a post-meeting survey, will be made public and shared with the CPUC.



Public Safety Power Shutoff (PSPS) Program





2020/2021 Post-Event Outreach and Feedback

Following this past year's PSPS events, PG&E engaged with agency/Tribal leaders, public safety partners and customers to listen, gather feedback and identify areas for improvement.

Regional Working Groups	Post-event Surveys	PSPS Listening Sessions	PSPS Advisory Committee	Customer Outreach
Quarterly meetings held in five geographic regions (Bay Area, South Bay/Central Coast, Central Valley, Sierra, North Coast)	Surveys sent to impacted county, city and Tribal governments following PSPS events	Meetings with county and Tribal emergency managers, local governments and public safety partners	Ongoing, ad hoc meetings with targeted group of county, Tribal and state agency representatives	Feedback provided from customers via surveys, focus groups, Contact Center calls, online forums and social media
5 meetings in Q4 2020	34 survey responses	41 meetings complete	8 meetings complete	~9,900 customers

Feedback from 2020/2021 PSPS Events

Our customers and communities recognized the improvements we made this PSPS season. While our processes improved compared to last year, we must continue to do better.



What we've heard from our customers:

- Approx. 60% of customers say PG&E's handling of PSPS has improved compared to the previous year
- Users of pge.com noted an improved experience and availability of information
- Customers also noted experiencing inaccurate or inconsistent information in some cases
- Customers want more accurate restoration times
- Customers lose time and money due to PSPS
- Medical Baseline customers want additional support and information



What we've heard from our communities:

- Significant improvement in PSPS execution in 2020, noting scope reductions were impactful
- Provide more consistent, timely and accurate info on the PSPS Portal and other channels
- Build on partnerships with CBOs and explore other resource offerings
- Continue engagement around Community Resource Centers
- Increase coordination with telecom providers
- Requests for additional mitigation and temporary generation information and support

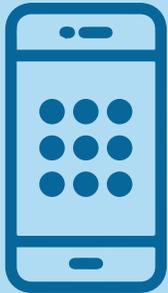
2021 Key PSPS Focus Areas

We continue to evolve our wildfire safety and PSPS programs based on lessons learned, new data and feedback received from our customers and communities.

 Customer Preparedness and Support	 Agency/Tribal Outreach and Support	 Operational Improvements
<ul style="list-style-type: none"> ▪ Enhance and expand CBO partnerships and improve in-event coordination ▪ Drive greater participation in battery programs to help vulnerable and frequently impacted customers ▪ Further refinement of event notification content and timing ▪ Refine Community Resource Centers ▪ Continue to host webinars, open houses and safety town halls to gather feedback, share information and drive preparedness 	<ul style="list-style-type: none"> ▪ Continue to improve information sharing during an event (i.e., PSPS Portal, situation report, etc.) ▪ Conduct trainings and exercises to help public safety partners prepare ▪ Ongoing engagement and coordination with cities, counties and tribes through Regional Working Groups, advisory committees, working sessions and direct outreach ▪ Share information about local wildfire safety projects and grid resiliency 	<ul style="list-style-type: none"> ▪ Ongoing systemwide improvements to reduce scope and duration ▪ Continue to refine and improve PSPS decision-making, scoping process and tools ▪ Enhance data quality, accuracy and reporting capabilities ▪ Drive greater consistency in information sharing across all channels during an event ▪ Additional training and support for EOC staff to ensure in-event readiness ▪ Develop longer-term program plan and potential asset-based solutions



Insert your questions or feedback into the chat function.



Ask your question or provide your feedback verbally by unmuting your line.



How are lessons learned from 2020 affecting your 2021 planning efforts?



Are there additional tools/resources your agency needs?



Do you have any additional PSPS Program feedback?

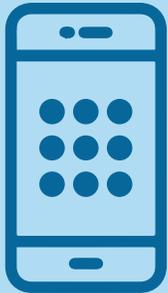
Grid Overview and Local Resilience Efforts

Grid Flyover





Insert your questions or feedback into the chat function.



Ask your question or provide your feedback verbally by unmuting your line.



What areas of your local grid would you like more information about?

How We're Prioritizing Our Wildfire Safety Work



To ensure we are addressing the highest wildfire risk areas, **we have implemented the latest wildfire risk model available** to maximize the safety of our customers and the communities we serve.

What this means in your community:



This advanced wildfire risk model allows us to **more precisely pinpoint the areas where we should focus** our system hardening and wildfire risk reduction efforts.



As a result of the new wildfire risk model, **customers and communities will see a shift in where we are prioritizing** our wildfire safety work in the coming years.



The shift in our work is a **direct result of the improved risk modeling technology** now available, providing a safer system to all of our customers across our service area.



Local System Hardening – Central Valley Region

We are installing stronger poles, covered power lines and conducting targeted undergrounding to further reduce wildfire risks.

Our systemwide hardening work in 2021 will occur across **180 distribution circuit miles** in locations facing the highest wildfire risk.

System hardening will:

- Enhance long-term safety, especially during times of high fire-threat
- Improve reliability during winter
- In certain cases, reduce PSPS event impacts

Local work plans are subject to change and data is based on the best available information at this time.

COUNTY	 COMPLETE THROUGH 2020	 2021 PLANNED
Calaveras	2 LINE MILES	5.6 LINE MILES
Fresno	18 LINE MILES	0 LINE MILES
Kern	0 LINE MILES	0 LINE MILES
Kings	0 LINE MILES	0 LINE MILES
Madera	1 LINE MILE	8.1 LINE MILES
Mariposa	0 LINE MILES	12 LINE MILES
Merced	0 LINE MILES	0 LINE MILES
San Joaquin	0 LINE MILES	0.2 LINE MILES
Stanislaus	0 LINE MILES	0 LINE MILES
Tulare	0 LINE MILES	0 LINE MILES
Tuolumne	15 LINE MILES	21.5 LINE MILES



Local Sectionalizing – Central Valley Region

We’re installing new sectionalizing devices to limit the number of customers impacted during a PSPS event.

Our sectionalizing work in 2021 includes installing at least 250 new automated sectionalizing devices in high fire-threat areas across our service area.

These sectionalizing devices separate the electric grid into smaller parts, allowing us to de-energize targeted areas during severe weather or fire conditions and improve efficiency.

Local work plans are subject to change and data is based on the best available information at this time.

COUNTY	 COMPLETE THROUGH 2020	 2021 PLANNED
Calaveras	19 DEVICES	2 DEVICES
Fresno	5 DEVICES	8 DEVICES
Kern	7 DEVICES	2 DEVICES
Kings	0 DEVICES	2 DEVICES
Madera	0 DEVICES	12 DEVICES
Mariposa	1 DEVICE	0 DEVICES
Merced	0 DEVICES	2 DEVICES
San Joaquin	0 DEVICES	1 DEVICE
Stanislaus	1 DEVICE	0 DEVICES
Tulare	5 DEVICES	2 DEVICES
Tuolumne	0 DEVICES	3 DEVICES

Substation Microgrids – Systemwide

In 2020, PG&E prepared 60 substation microgrids to receive temporary generation during PSPS events. Since then, we have continued to make improvements to weather modeling, grid operations and overall system resiliency.

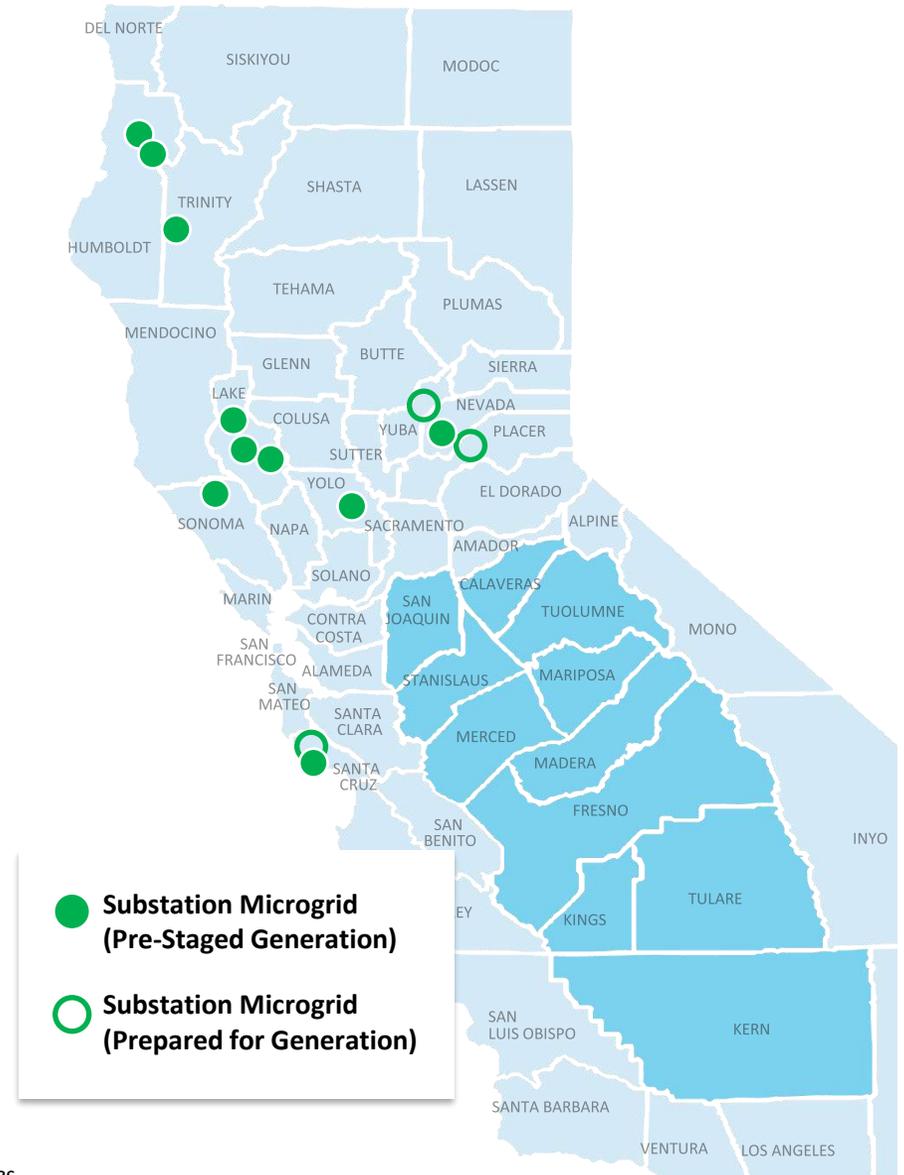


As a result of these improvements, **many of the substation microgrids prepared for temporary generation in 2020 are now significantly less likely to experience a PSPS related outage.**



In 2021, we plan to **pre-interconnect and test generation at 10 substation microgrids**, and we will also develop energization plans for three additional substation microgrids to allow them to more quickly receive generation if needed.

Local work plans are subject to change and data is based on the best available information at this time.





Systemwide Grid Resilience Efforts

To help prevent wildfires and reduce the number of customers affected by PSPS, we are deploying new technology and investing in a stronger, more flexible grid. The following are some of the programs that will help keep the lights on for customers and key community resources during a PSPS event.

Program	Description	2020 Sites	New 2021 Sites
Distribution Microgrids	Microgrids prepared to energize “main street” corridors, central community resources, and critical facilities in areas that frequently experience PSPS events.	7*	5**
Remote Grids	Remote Grids use a combination of solar power, battery storage and propane generation to provide energy to customers independent from the larger electric grid.	0	1***
Islanding Locations	Reconfiguration of local generation sources to allow certain areas to be separated from the larger electric grid and remain energized during PSPS events.	5	0

*Included 3 complete microgrids and 4 temporarily completed microgrids that will require additional work in 2021.

**Represents 5 new microgrids to be completed in 2021; note that additional sites are also in development (see appendix for details).

***Additional remote grids also under consideration (see appendix for details).

Local work plans are subject to change and data is based on the best available information at this time.



Grid Resilience Efforts – Central Valley Region

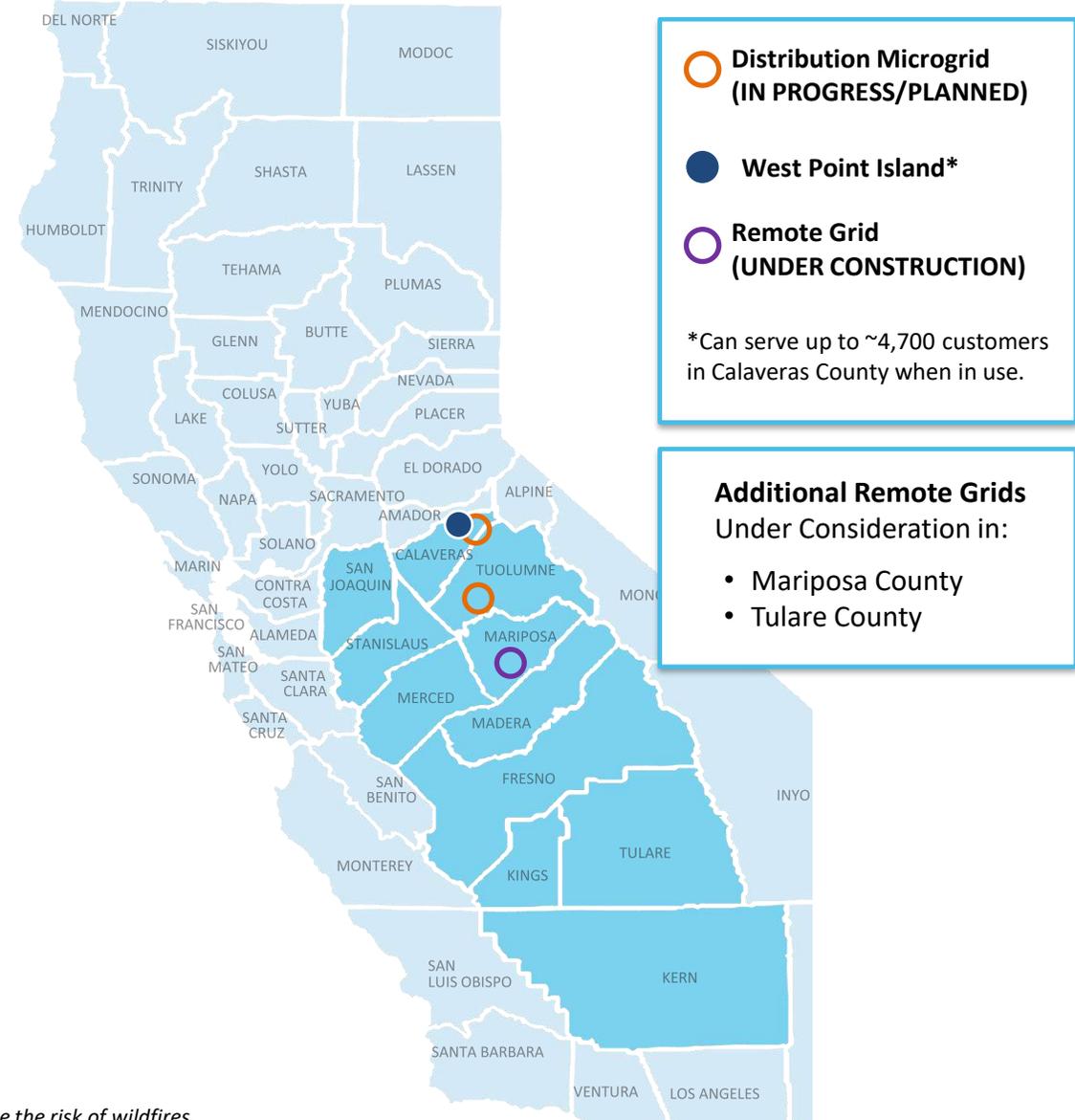
COUNTY	 COMPLETE THROUGH 2020	 2021 PLANNED
Calaveras	1 LOCATION	1 LOCATION
Mariposa	0 LOCATIONS	1 LOCATION
Tuolumne	0 LOCATIONS	1 LOCATION

Note: Additional microgrid work is not currently planned in the remaining counties within the region.

PG&E is prioritizing its wildfire safety work by locations with the highest risk of wildfire and locations that will reduce PSPS impacts for the most customers.

Additional work is being planned for 2022 and beyond to make our system safer and more resilient.

Local work plans are subject to change and data is based on the best available information at this time.



Community Microgrid Enablement Program (CMEP)

A community microgrid is an electric system that serves multiple customers and can operate independently from the central energy grid. If you're interested in exploring if a microgrid may be a fit for your community, we can help.

Our new CMEP program helps communities plan and implement their own microgrid projects. This can include **technical expertise** and **potentially, one-time cost offsets**.

To qualify for this program, microgrid projects must meet the following criteria:

- ✓ Serve areas that have **experienced a past PSPS event**, or are in a high-fire threat district or an area prone to outages
- ✓ Priority will be given to projects in **disadvantaged and vulnerable communities**
- ✓ Serves **one or more critical facilities** plus at least one additional customer
- ✓ **Be supported by local governments and stakeholders**

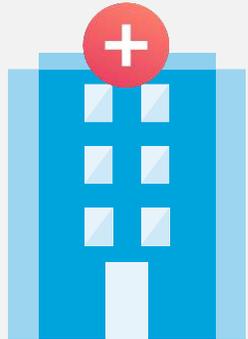
Learn more at

pge.com/resilience



Other Backup Generation Resources

To help mitigate PSPS impacts, PG&E will continue securing temporary generation sources prior to wildfire season to allow us to keep the lights on and provide resources to customers and communities during PSPS events.



Ad Hoc Backup Power Support

As a last resort, backup generation may be available for critical facilities, including but not limited to hospitals, transportation corridors, and water/sewage facilities.



Community Resource Centers

To allow customers to charge cell phones, laptops and small medical devices during a PSPS event.



PG&E will only deploy ad hoc backup power support where there is a high risk to public safety, environmental hazard or essential response facilities. PG&E is not a primary source of backup power for customers during PSPS events. Customers are encouraged to continue to take steps to prepare for the possibility of future PSPS events, including securing backup power if appropriate and possible.



CFILC Disability Disaster Access and Resources Program (DDARP)

PG&E is collaborating with the California Foundation for Independent Living Centers (CFILC) to provide qualifying customers with targeted outreach, personalized emergency planning support, energy needs assessments and in-event PSPS support. In-event support can include the following support based on customer needs:



Response to Escalations

received through PG&E's call center



Hotel Accommodations



Accessible Transportation

to hotels and Community Resource Centers



Food Vouchers



Gas Cards for generator fuel



Portable Batteries

During 2020 PSPS events, the following resources were provided:

~1,700 customers assessed

~1,000 batteries provided

~560 hotel vouchers provided

~900 food vouchers provided

~30 accessible transit rides provided

Data is subject to change and is based on best available information at this time.

Learn more about DDARP by visiting

DisabilityDisasterAccess.org

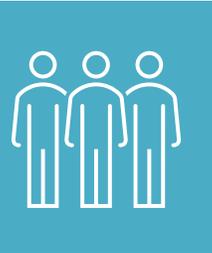
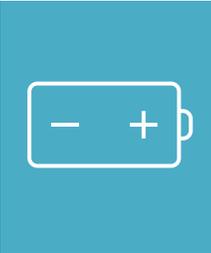




Portable Battery Program

PG&E is also conducting PSPS emergency preparedness outreach and energy needs assessments to support low-income Medical Baseline customers in high fire-threat areas with critical medical equipment and delivering fully subsidized portable battery solutions to eligible customers.

To date, this program has included the following:

	Establishing relationships with seven external battery delivery partners		Assessing over 8,800 customers
	Providing outreach to ~22,000 customers		Providing over 5,550 batteries to customers



Generator Rebate Program

Launched in late 2020, this program provides customers who depend on a well water pump and live in high fire-threat areas with a single rebate for purchasing a qualified portable power generator.

Program Offerings:



\$300 rebate for eligible customers and a **\$500 rebate** for eligible customers who are also participants in the CARE/FERA program.



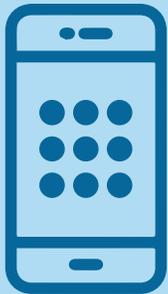
Rebates are offered through PG&E's backup power marketplace located at pge.com/backuppowers and over 100 customers have already taken advantage of the rebate.

Learn more about PG&E's Generator Rebate Program by visiting

pge.com/backuppowers



Insert your questions or feedback into the chat function.



Ask your question or provide your feedback verbally by unmuting your line.



Are there programs we have discussed today that you would like to explore for your community?



Has your agency/ organization explored any resiliency efforts you would like to share with the group?

Public Safety Power Shutoff Microgrid Communications



In-Event Notification/Information Tools for Microgrids

During a PSPS event, we will inform agencies and customers that they will receive temporary generation through the following channels:



Notifications/Calls



Tools and Data

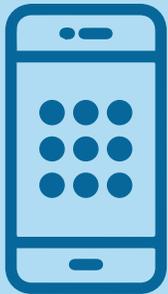


Support

	Notifications/Calls	Tools and Data	Support
Agencies	<ul style="list-style-type: none"> Ongoing coordination with Assigned Agency Representative Operational Area Cooperators Call 	<ul style="list-style-type: none"> Situation Report PSPS Portal 	Assigned Agency Representative
Critical Customers	Standard customer notifications with temporary power specific information, when applicable	Critical facilities that are Public Safety Partners receive: <ul style="list-style-type: none"> Situation Report PSPS Portal 	Assigned Account Representative or PG&E Operational Emergency Center Customer Strategy Officer, if applicable
Residential Customers	Standard customer notifications with temporary power specific information, when applicable	PG&E Emergency Web Address Lookup Tool (all customers)	PG&E Call Center



Insert your questions or feedback into the chat function.



Ask your question or provide your feedback verbally by unmuting your line.



What information would you like to see included in communications during an event around temporary generation, resiliency or backup power?

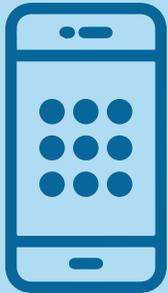
Grid Resilience Planning Session

Regional Co-Moderator





Insert your questions or feedback into the chat function.



Ask your question or provide your feedback verbally by unmuting your line.



Are there resilience subjects you would like us to cover in future Regional Working Group meetings?



What resilience efforts are most important to your community?

Next Steps

- 
Meeting survey shared with participants to gather feedback on approach and content of regional working group

- 
Follow-up on items identified by local agencies/stakeholders

- 
Upcoming meetings
 - Wildfire Safety Working Sessions (WSWS)
 - Safety Town Halls
 - Regional Webinars
 - Future Regional Working Group Meetings

2021 REGIONAL WORKING GROUP CALENDAR	
TIMING	PROPOSED TOPICS
Q1 2021	<ul style="list-style-type: none"> • Electric grid resiliency solutions • Microgrids and temporary generation • PSPS planning and preparedness
Q2 2021	<ul style="list-style-type: none"> • PSPS and Wildfire Safety
Q3 2021	<ul style="list-style-type: none"> • PSPS weather and climatology analysis • Local reliability statistics • Microgrids and temporary generation • PSPS outage scenarios
Q4 2021	<ul style="list-style-type: none"> • PSPS and Wildfire Safety

Thank You



Appendix





Status of Planned/Upcoming Resilience Efforts – Systemwide

Program	County	Site Name/Area	Status	Estimated Completion
Substation Microgrids	Humboldt	Hoopa	Planning	August 1, 2021
	Humboldt	Willow Creek	Planning	August 1, 2021
	Lake	Clear Lake	Planning	August 1, 2021
	Lake	Hartley	Planning	August 1, 2021
	Lake	Konocti	Planning	August 1, 2021
	Nevada	Brunswick	Planning	August 1, 2021
	Placer	Weimar	Planning	August 1, 2021
	Santa Cruz	Big Basin	Planning	August 1, 2021
	Santa Cruz	Point Moretti	Planning	August 1, 2021
	Sonoma	Cloverdale	Planning	August 1, 2021
	Trinity	Low Gap	Planning	August 1, 2021
	Yolo	Plainfield	Planning	August 1, 2021
	Yuba	Dobbins	Planning	August 1, 2021
Distribution Microgrids	Butte	Magalia	Construction	Q2 2021
	Calaveras	Arnold	Construction	Q3 2021
	El Dorado	Georgetown	Planning	Q2 2021
	El Dorado	Placerville	Temp. Complete 2020 – Addl. Enhancements in 2021	Q4 2021
	El Dorado	Pollock Pines	Complete	Q1 2021
	Lake	Clearlake North	Temp. Complete 2020 – Addl. Enhancements in 2021	Q4 2021
	Lake	Clearlake South	Planning	Q3 2021

Local work plans are subject to change and data is based on the best available information at this time.



Status of Planned/Upcoming Resilience Efforts – Systemwide

Program	County	Site Name/Area	Status	Estimated Completion
Distribution Microgrids (cont.)	Lake	Lucerne	Planning	Q3 2021
	Lake	Middletown	Planning	Q2 2021
	Napa	Angwin	Complete	N/A
	Napa	Calistoga	Complete	N/A
	Placer	Colfax	Temp. Complete 2020 – Addl. Enhancements in 2021	Q4 2021
	Placer	Foresthill	Construction	Q3 2021
	Shasta	Shingletown	Complete	N/A
	Tuolumne	Groveland	Planning	Q3 2021
Remote Grids	El Dorado	El Dorado	Planning	Q1 2022
	Mariposa	Mariposa 1	Construction	Q2 2021
	Mariposa	Mariposa 2	Planning	Q1 2022
	Mariposa	Mariposa 3	Planning	Q1 2022
	San Luis Obispo	San Luis Obispo 1	Design & Permitting	Q2 2022
	San Luis Obispo	San Luis Obispo 2	Design & Permitting	Q2 2022
	Tulare	Tulare	Planning	Q2 2022
	Tehama	Tehama	Planning	Q1 2022
Islanding	Amador	Salt Springs Island	Complete	N/A
	Calaveras	West Point Island	Complete	N/A
	Humboldt	Humboldt Bay Island	Complete	N/A
	Plumas	Caribou Island	Complete	N/A
	Tehama	Red Bluff Island	Complete	N/A

Local work plans are subject to change and data is based on the best available information at this time.

Some of the measures included in this presentation are contemplated as additional precautionary measures intended to further reduce the risk of wildfires.



Customer Support Resources in Central Valley Region

Central Valley Region Community-Based Organizations

CFILC

- Central Coast Center for Independent Living
- Disability Resources Agency for Independent Living
- Independent Learning Center of Kern County
- Resources for Independent Living Central Valley

Food Banks

- Amador Tuolumne Community Action Agency (ATCAA) Food Bank
- Central California Food Bank
- Kings Community Action Organization
- Merced County Food Bank
- Second Harvest Food Bank San Joaquin & Stanislaus

Meals on Wheels

- Common Ground Senior Services

In-Language

- Centro Binacional para el Desarrollo Indigena Oaxaqueno
- KUVS Univision
- KSTS Telemundo
- KFTV Univision
- KNSO Telemundo
- KCSO Telemundo
- Radio Lazer Sacramento
- Lotus Radio Bakersfield
- Lotus Radio Fresno
- Lotus Radio Sacramento
- Radio Bilingue Radio Campesina
- D'Primeramano
- El Popular News
- KBIF Radio
- Hmong TV Network
- OMNE Network
- KIQI Radio
- KLBS Portuguese Radio
- PAMA One Radio

Additional Partnership Opportunities

Organization	County
The Resource Connection	Calaveras
Cissy Hot Meals on Wheels	Fresno
Fresno-Madera Area Agency on Aging	Fresno
Kern County Aging & Adult Services	Kern
Kern County Senior Nutrition	Kern
Mariposa Senior Center	Mariposa
San Joaquin County Department of Aging	San Joaquin
Patterson Senior Center	Stanislaus

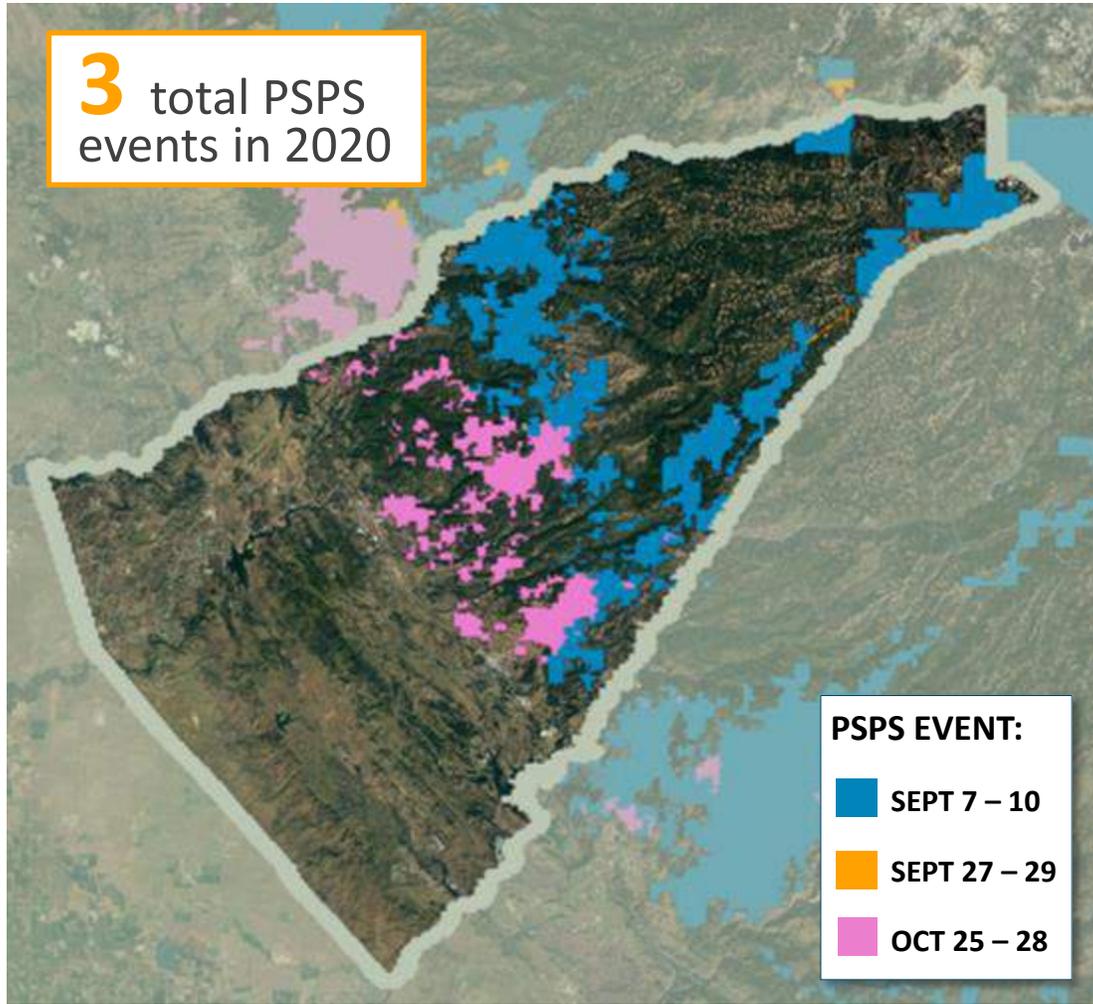


Local partnership request: can you help us get in touch with these agencies?



PSPS Event Overview Calaveras County

3 total PSPS events in 2020



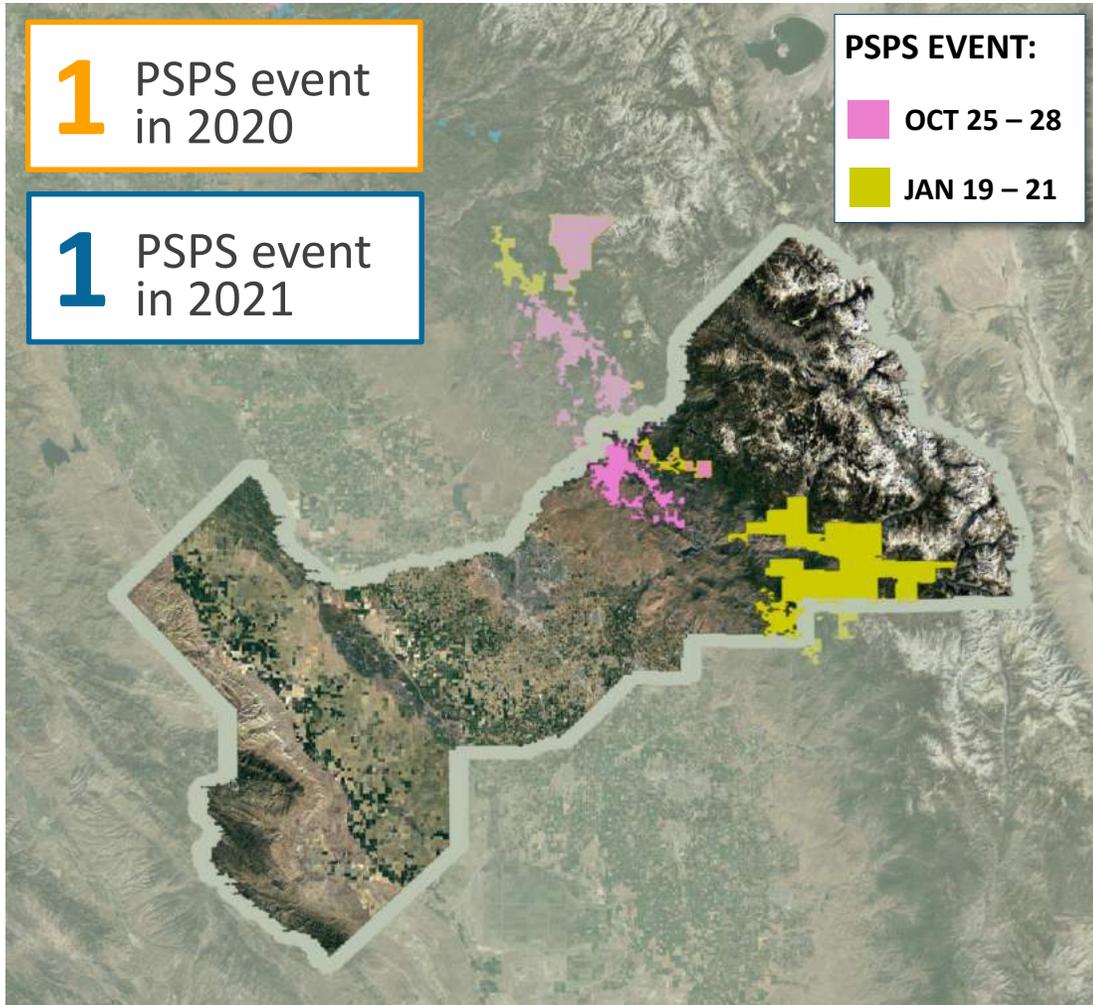
Note: PSPS impact areas are approximate and may overlap

Event Details

	SEPT 7 – 10	SEPT 27 – 29	OCT 25 – 28
CUSTOMERS IMPACTED	13,350	5,125	15,751
COMMUNITY RESOURCE CENTERS OPEN	4	3	4
PEAK WIND GUSTS	31 MPH	46 MPH	42 MPH
DAMAGE/ HAZARDS	0	1	3
AVG. RESTORATION TIME	12 HRS	4 HRS	17 HRS
TOTAL AVG. OUTAGE DURATION	40 HRS	19 HRS	42 HRS



PSPS Event Overview Fresno County



Note: PSPS impact areas are approximate and may overlap

Event Details



CUSTOMERS IMPACTED

2020
OCT
25 – 28

2021
JAN
19 – 21

4,696

1,816



COMMUNITY RESOURCE CENTERS
OPEN

2

2



PEAK WIND GUSTS

45
MPH

55
MPH



DAMAGE/HAZARDS

2

3



AVG. RESTORATION TIME

10
HRS

9
HRS



TOTAL AVG. OUTAGE DURATION

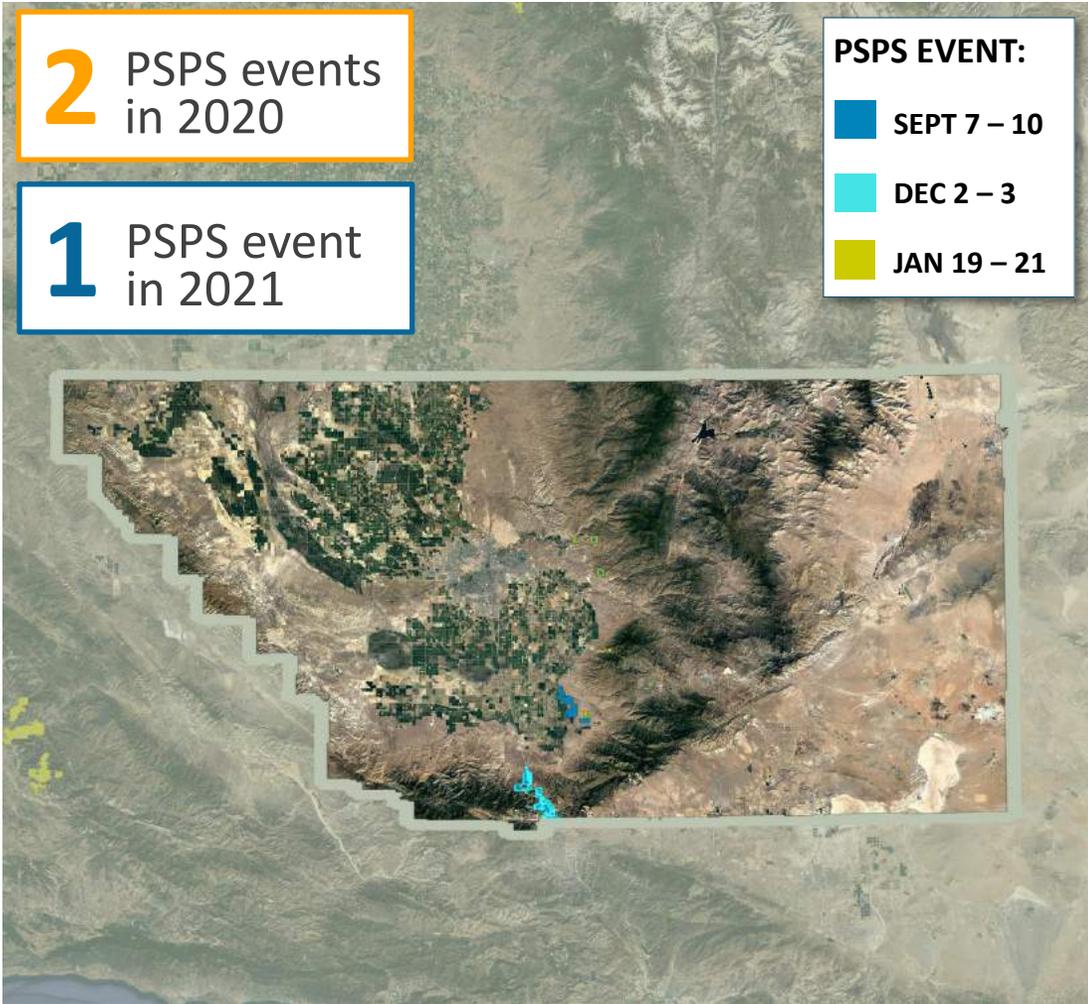
25
HRS

34
HRS

*PG&E's EOC was activated while monitoring a potential wind event on 12/7 but ultimately did not de-energize



PSPS Event Overview Kern County



Note: PSPS impact areas are approximate and may overlap

Event Details

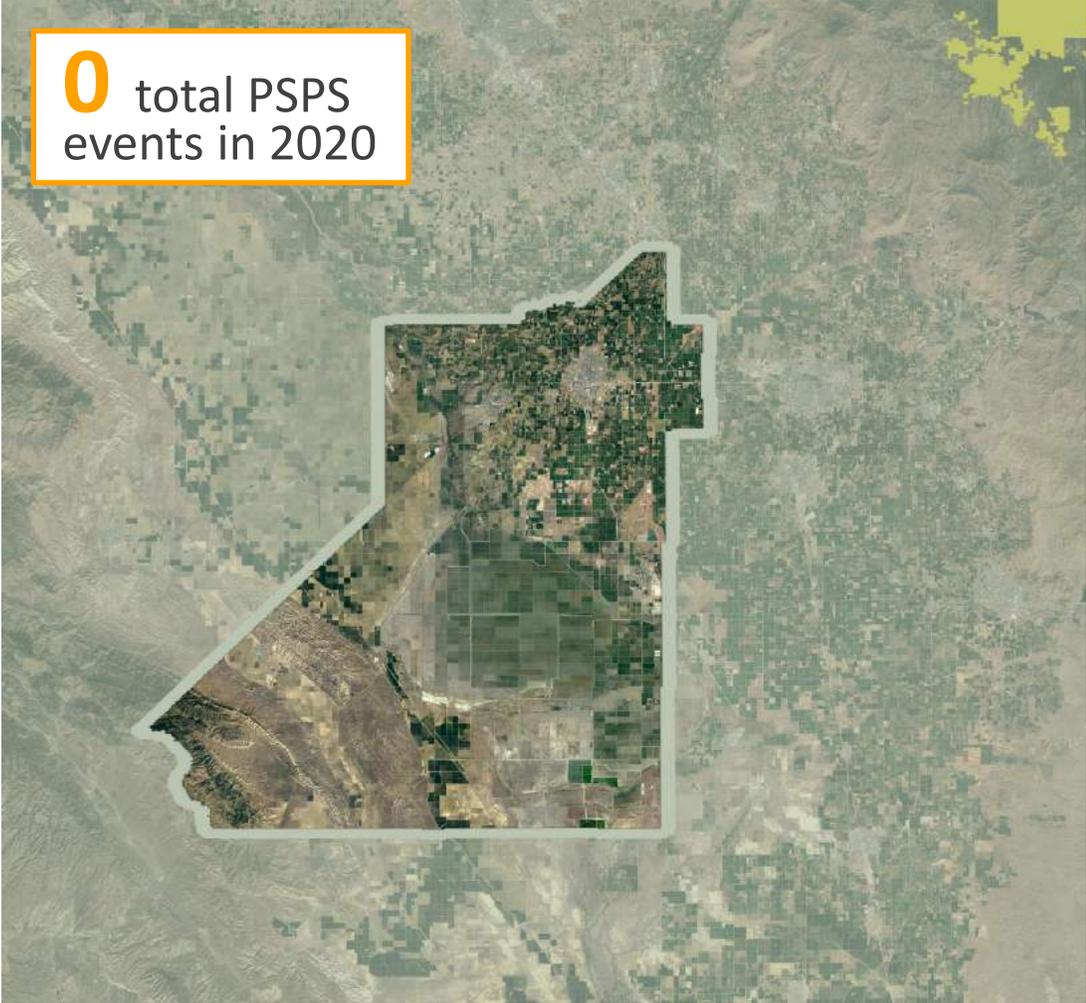
	2020 SEPT 7 – 10	2020 DEC 2 – 3	2021 JAN 19 – 21
CUSTOMERS IMPACTED	641	617	23
COMMUNITY RESOURCE CENTERS OPEN	1	1	0
PEAK WIND GUSTS	62 MPH	72 MPH	83 MPH
DAMAGE/HAZARDS	0	1	0
AVG. RESTORATION TIME	4 HRS	4 HRS	4 HRS
TOTAL AVG. OUTAGE DURATION	20 HRS	21 HRS	26 HRS

*PG&E's EOC was activated while monitoring a potential wind event on 12/7 but ultimately did not de-energize

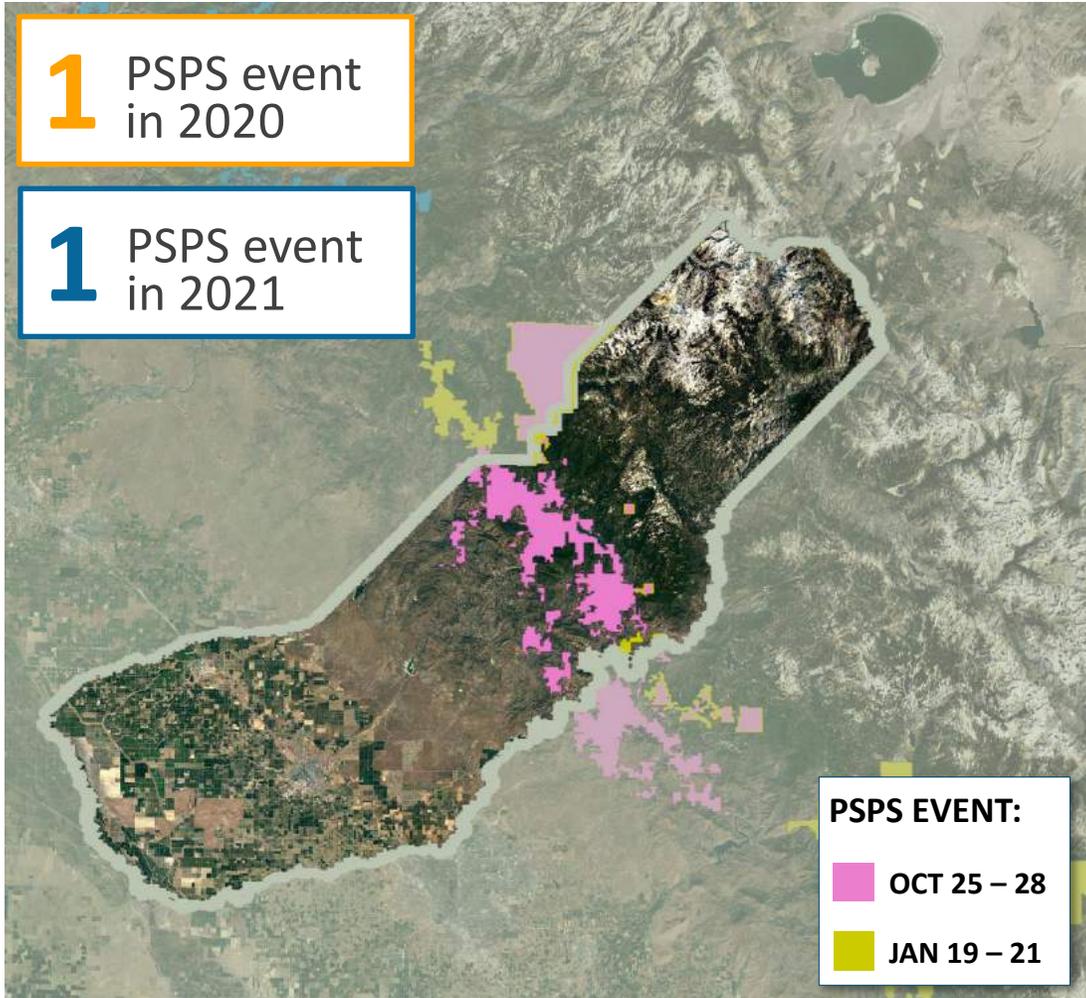


PSPS Event Overview Kings County

0 total PSPS events in 2020



Kings County did not experience a PSPS Event in 2020



Note: PSPS impact areas are approximate and may overlap

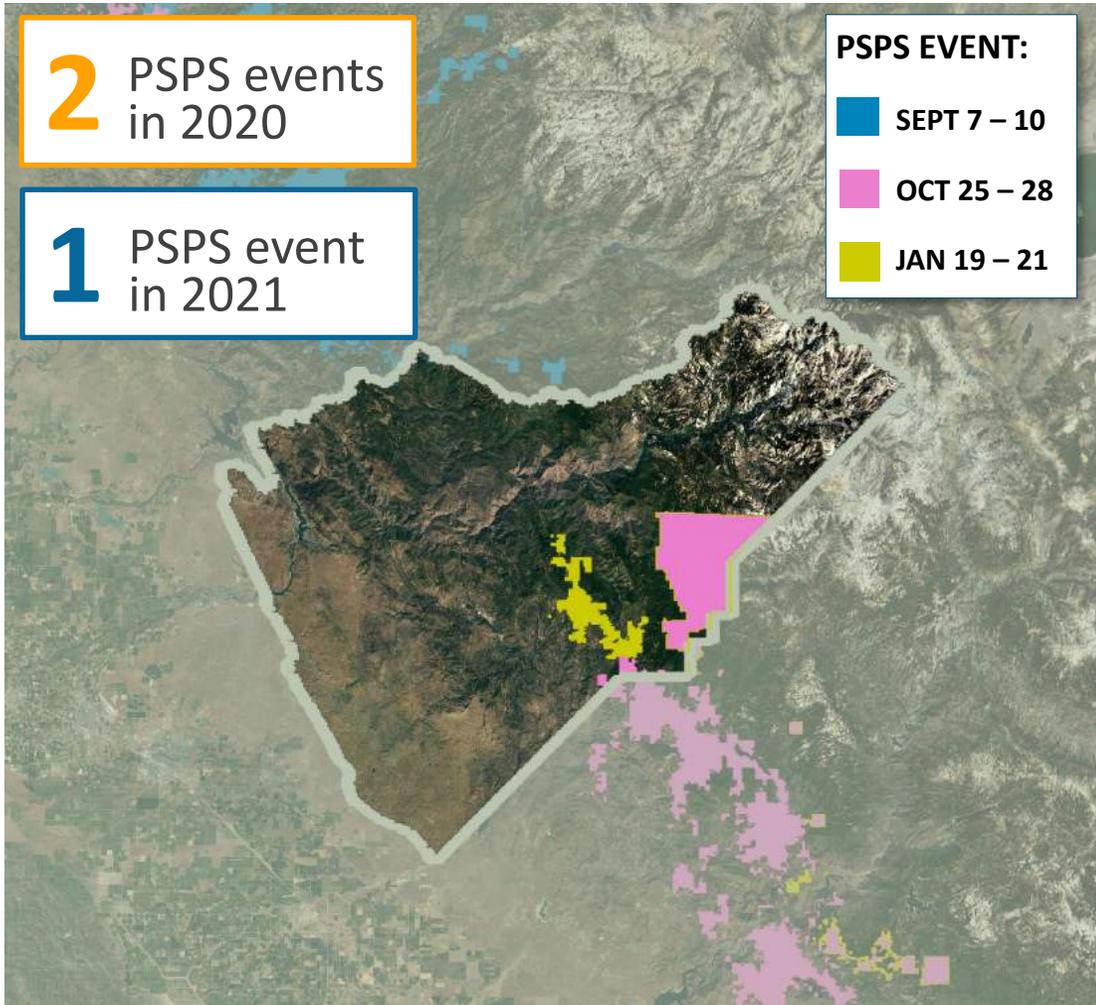
Event Details

	2020 OCT 25 – 28	2021 JAN 19 – 21
CUSTOMERS IMPACTED	10,788	287
COMMUNITY RESOURCE CENTERS OPEN	3	3
PEAK WIND GUSTS	48 MPH	66 MPH
DAMAGE/HAZARDS	6	46
AVG. RESTORATION TIME	8 HRS	69 HRS
TOTAL AVG. OUTAGE DURATION	24 HRS	98 HRS

*PG&E's EOC was activated while monitoring a potential wind event on 12/7 but ultimately did not de-energize



PSPS Event Overview Mariposa County



Event Details

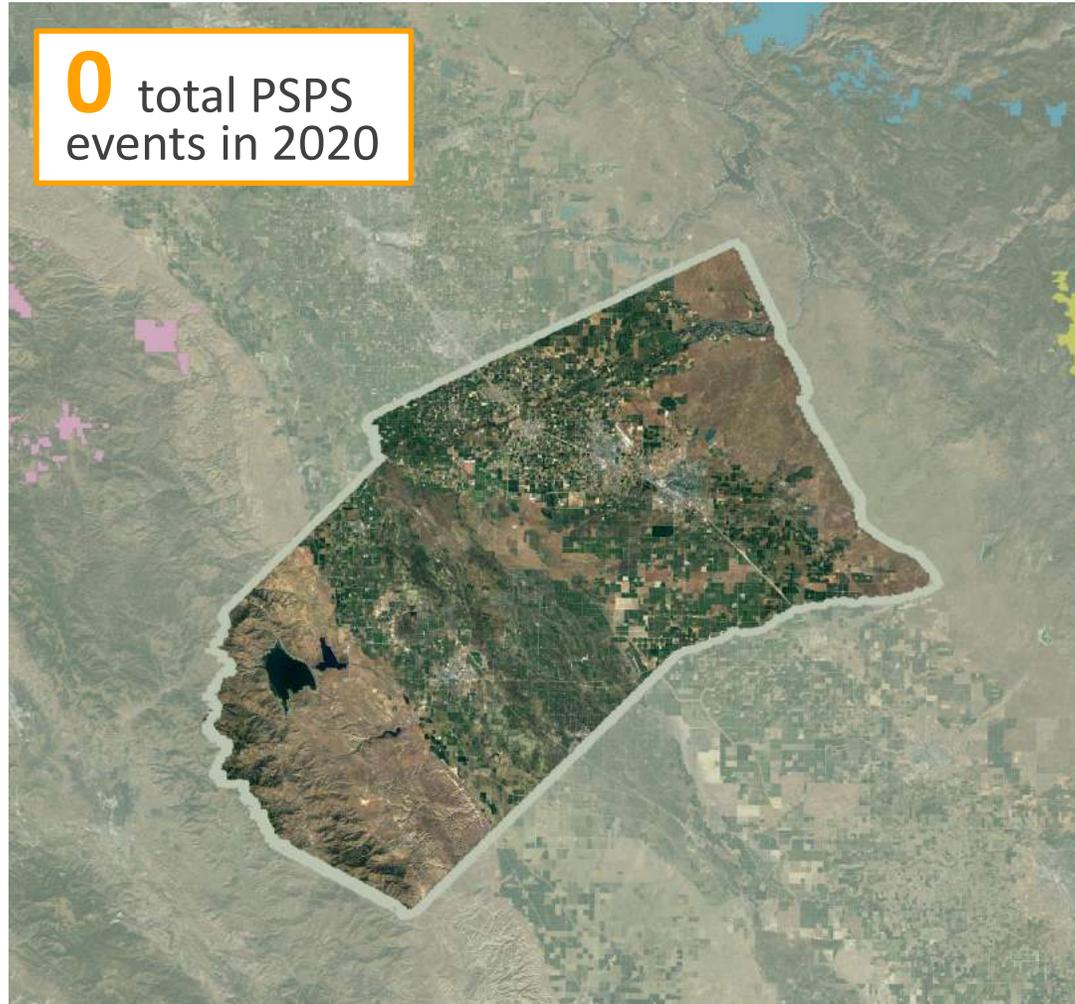
	2020 SEPT 7 – 10	2020 OCT 25 – 28	2021 JAN 19 – 21
CUSTOMERS IMPACTED	9	693	2,097
COMMUNITY RESOURCE CENTERS OPEN	0	1	1
PEAK WIND GUSTS	26 MPH	40 MPH	77 MPH
DAMAGE/HAZARDS	0	0	373
AVG. RESTORATION TIME	25 HRS	20 HRS	117 HRS
TOTAL AVG. OUTAGE DURATION	41 HRS	36 HRS	133 HRS

Note: PSPS impact areas are approximate and may overlap

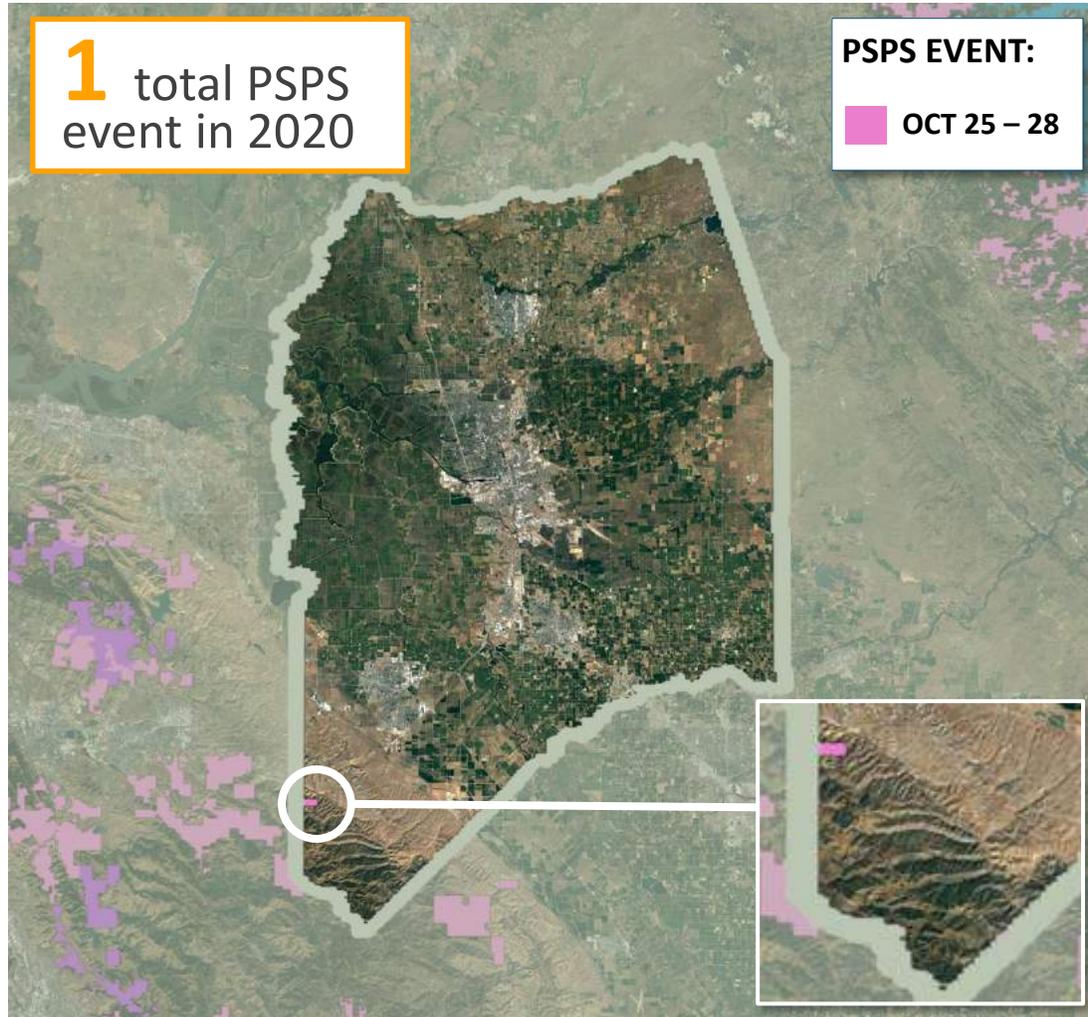
*PG&E's EOC was activated while monitoring a potential wind event on 12/7 but ultimately did not de-energize



PSPS Event Overview Merced County



Merced County did not experience a PSPS Event in 2020

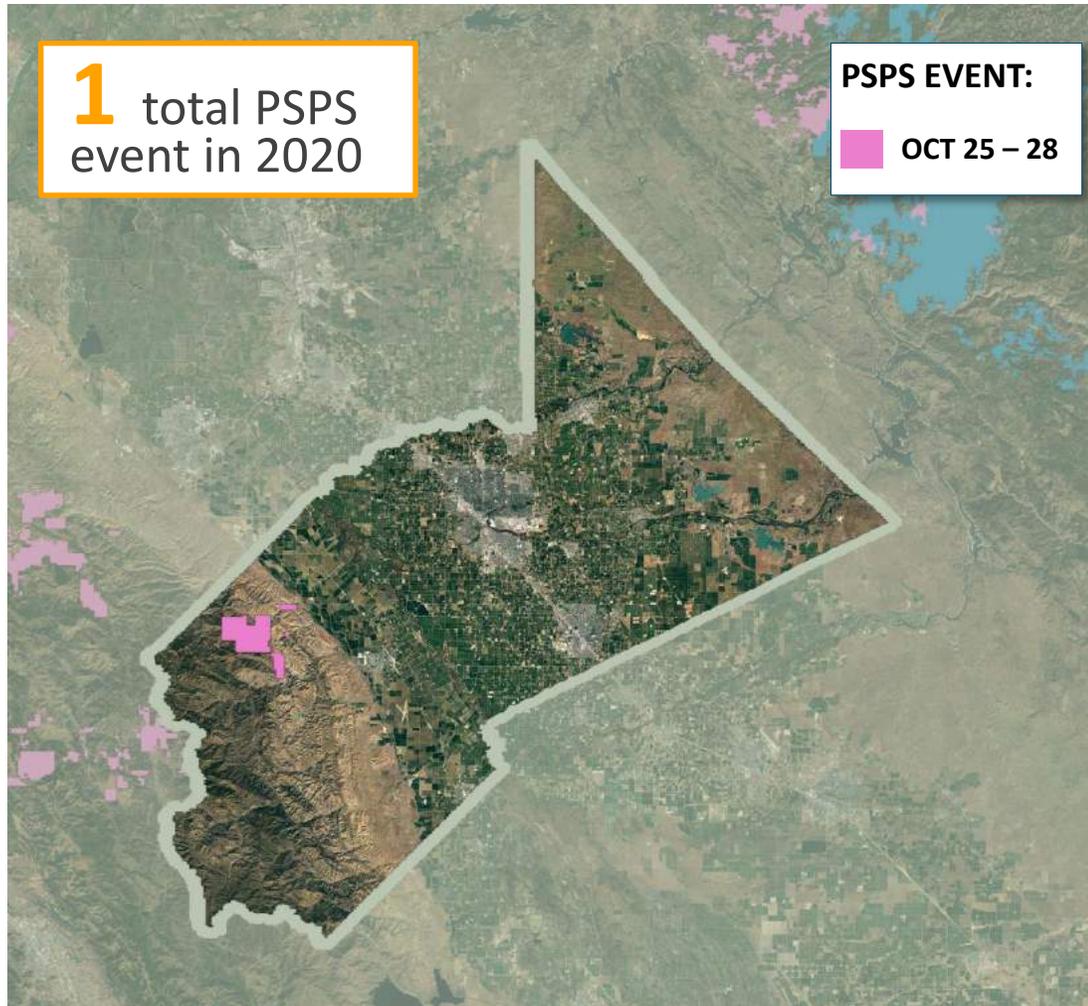


Note: PSPS impact areas are approximate

Event Details

OCT
25 – 28

	CUSTOMERS IMPACTED	1
	COMMUNITY RESOURCE CENTERS OPEN	0
	PEAK WIND GUSTS	39 MPH
	DAMAGE/HAZARDS	0
	AVG. RESTORATION TIME	7 HRS
	TOTAL AVG. OUTAGE DURATION	36 HRS

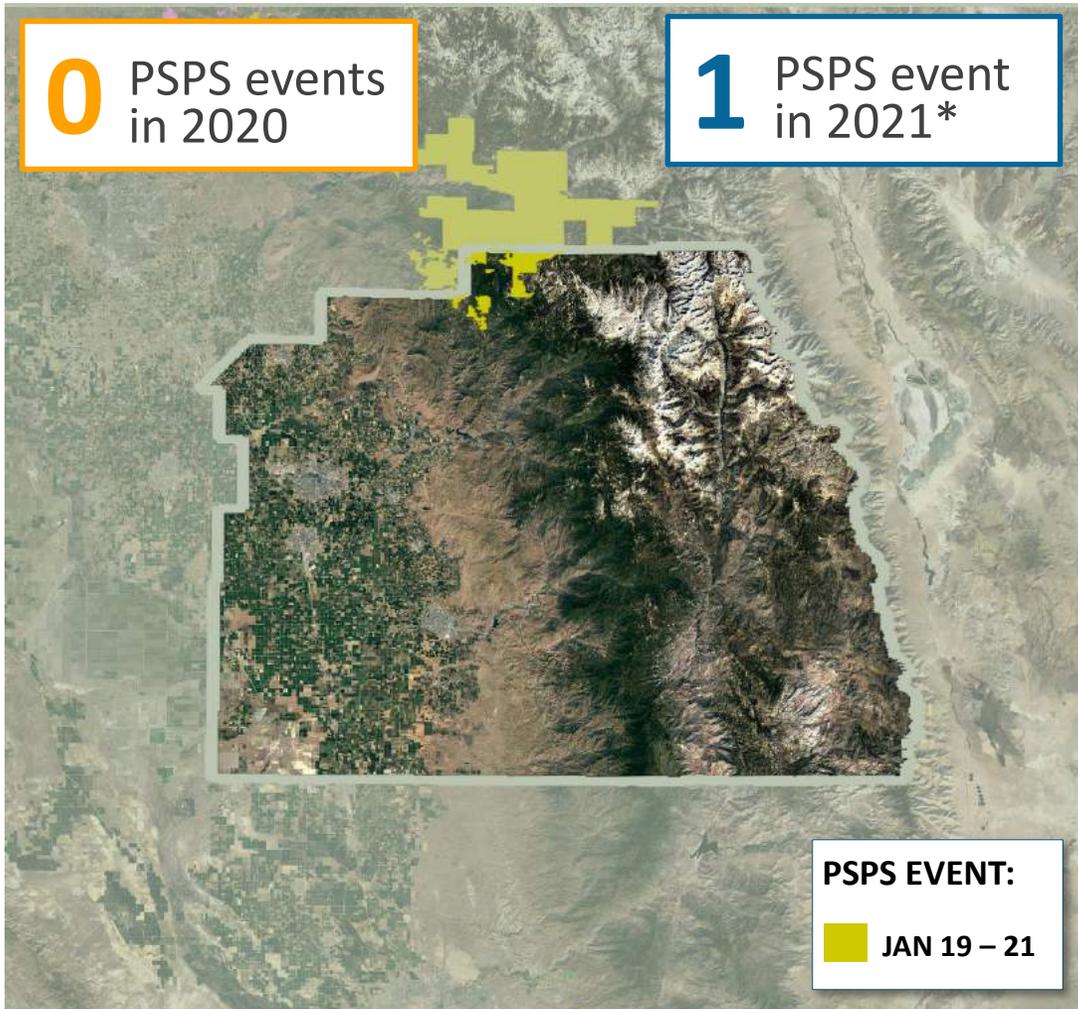


Event Details

OCT
25 - 28

	CUSTOMERS IMPACTED	34
	COMMUNITY RESOURCE CENTERS OPEN	0
	PEAK WIND GUSTS	37 MPH
	DAMAGE/HAZARDS	0
	AVG. RESTORATION TIME	4 HRS
	TOTAL AVG. OUTAGE DURATION	20 HRS

Note: PSPS impact areas are approximate



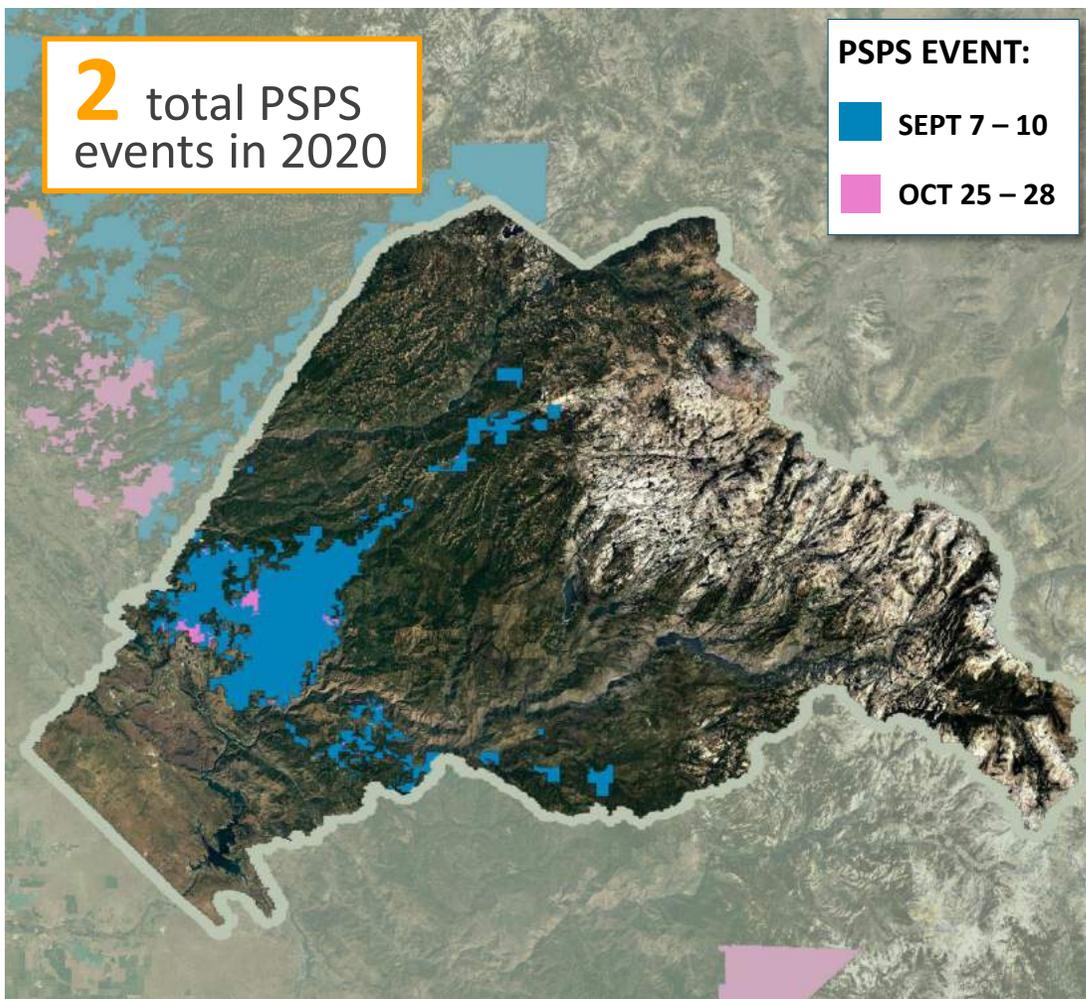
Event Details

2021
JAN
19 – 21

	CUSTOMERS IMPACTED	435
	COMMUNITY RESOURCE CENTERS OPENED	0
	PEAK WIND GUSTS	55 MPH
	DAMAGE/HAZARDS	1
	AVG. RESTORATION TIME	6 HRS
	TOTAL AVG. OUTAGE DURATION	23 HRS

Note: PSPS impact areas are approximate

*Tulare County experienced 0 PSPS events in 2020. This data and map reflect the Jan 2021 event.



Note: PSPS impact areas are approximate and may overlap

Event Details

	SEPT 7 – 10	OCT 25 – 28
CUSTOMERS IMPACTED	29,726	27,825
COMMUNITY RESOURCE CENTERS OPEN	4	4
PEAK WIND GUSTS	38 MPH	40 MPH
DAMAGE/HAZARDS	3	2
AVG. RESTORATION TIME	15 HRS	12 HRS
TOTAL AVG. OUTAGE DURATION	30 HRS	30 HRS

*PG&E's EOC was activated while monitoring a potential wind event on 12/7 but ultimately did not de-energize

Community Wildfire Safety Program

REGIONAL WORKING GROUP

North Coast Region

March 25, 2021



Virtual Sign-In Reminder

Please “sign-in” using the chat function and provide your **name, organization and email**.



Safety

General Safety Tip | New PSPS Address Alerts

We are introducing an important new notification tool: **PSPS Address Alerts**. These alerts can help you prepare and stay safe. Customers and non-account holders can be alerted in multiple languages about a potential PSPS event at any address that is important to them. Notifications will be by call and text.

Sign up for addresses that you care about, such as:

- ✓ Your work or business
- ✓ Your child's school or daycare
- ✓ The home of a friend or loved one



Learn more at

pge.com/addressalerts





Agenda

DISCUSSION TOPICS:

- 1 Safety and Introductions**
- 2 Meeting Purpose and Background**
- 3 Public Safety Power Shutoff (PSPS) Update**
- 4 Grid Overview and Local Resilience Efforts**
- 5 PSPS Temporary Power Communications**
- 6 Grid Resilience Planning Session (Co-Moderated)**
- 7 Open Discussion/Q&A**

REGIONAL CO-MODERATOR:

Kurt Johnson | Yolo County Office of
Emergency Services

PG&E PRESENTERS:

Vic Baker | Senior Manager Local Customer
Experience and Division Lead

Melinda Rivera | Local Public Affairs

Donovan Lee | Public Safety Specialist

Reno Franklin | Tribal Liaison

Jon Stallman | Integrated Grid Planning
and Innovation

Molly Hoyt | Community Microgrid
Enablement Program



Virtual Sign-In Reminder

Please “sign-in” using the chat function and provide your **name, organization and email.**

WORKING GROUP PARTICIPANTS:

- County Office of Emergency Services
- Tribal Representatives
- City/County Staff
- Community Based Organizations
- Access and Functional Needs Representatives
- First Responders
- Health and Human Services Representatives
- Telecommunications Providers
- Water Agencies
- Community Choice Aggregators
- Public Works Partners
- Publicly Owned Electric Utilities
- California Public Utilities Commission (CPUC) Staff
- Filsinger Energy Partners
- PG&E

Meeting Purpose and Background

Regional Working Groups provide a forum for communities impacted by Public Safety Power Shutoff events and PG&E to share lessons learned and discuss wildfire mitigation progress. These meetings address requirements from both the CPUC's [PSPS Phase II Decision](#) and [Microgrid OIR](#).

Meeting Purpose:

- **Highlight feedback received** from agencies, tribes and other stakeholders
- **Discuss planned and ongoing grid improvements** including system hardening, sectionalizing and other resilience efforts
- **Review local resilience projects and resources** available to agencies and customers
- **Provide an overview of the in-event notification** process for temporary power
- **Coordinate with regional stakeholders** on local resilience efforts and make PG&E subject matter experts available to answer questions

A summary of the feedback gathered here today and results from a post-meeting survey, will be made public and shared with the CPUC.



Public Safety Power Shutoff (PSPS) Program





2020/2021 Post-Event Outreach and Feedback

Following this past year's PSPS events, PG&E engaged with agency/Tribal leaders, public safety partners and customers to listen, gather feedback and identify areas for improvement.

Regional Working Groups	Post-event Surveys	PSPS Listening Sessions	PSPS Advisory Committee	Customer Outreach
Quarterly meetings held in five geographic regions (Bay Area, South Bay/Central Coast, Central Valley, Sierra, North Coast)	Surveys sent to impacted county, city and Tribal governments following PSPS events	Meetings with county and Tribal emergency managers, local governments and public safety partners	Ongoing, ad hoc meetings with targeted group of county, Tribal and state agency representatives	Feedback provided from customers via surveys, focus groups, Contact Center calls, online forums and social media
5 meetings in Q4 2020	34 survey responses	41 meetings complete	8 meetings complete	~9,900 customers

Feedback from 2020/2021 PSPS Events

Our customers and communities recognized the improvements we made this PSPS season. While our processes improved compared to last year, we must continue to do better.



What we've heard from our customers:

- Approx. 60% of customers say PG&E's handling of PSPS has improved compared to the previous year
- Users of pge.com noted an improved experience and availability of information
- Customers also noted experiencing inaccurate or inconsistent information in some cases
- Customers want more accurate restoration times
- Customers lose time and money due to PSPS
- Medical Baseline customers want additional support and information



What we've heard from our communities:

- Significant improvement in PSPS execution in 2020, noting scope reductions were impactful
- Provide more consistent, timely and accurate info on the PSPS Portal and other channels
- Build on partnerships with CBOs and explore other resource offerings
- Continue engagement around Community Resource Centers
- Increase coordination with telecom providers
- Requests for additional mitigation and temporary generation information and support

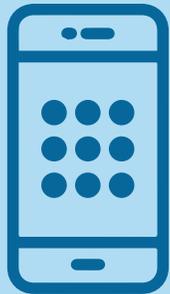
2021 Key PSPS Focus Areas

We continue to evolve our wildfire safety and PSPS programs based on lessons learned, new data and feedback received from our customers and communities.

 Customer Preparedness and Support	 Agency/Tribal Outreach and Support	 Operational Improvements
<ul style="list-style-type: none"> ▪ Enhance and expand CBO partnerships and improve in-event coordination ▪ Drive greater participation in battery programs to help vulnerable and frequently impacted customers ▪ Further refinement of event notification content and timing ▪ Refine Community Resource Centers ▪ Continue to host webinars, open houses and safety town halls to gather feedback, share information and drive preparedness 	<ul style="list-style-type: none"> ▪ Continue to improve information sharing during an event (i.e., PSPS Portal, situation report, etc.) ▪ Conduct trainings and exercises to help public safety partners prepare ▪ Ongoing engagement and coordination with cities, counties and tribes through Regional Working Groups, advisory committees, working sessions and direct outreach ▪ Share information about local wildfire safety projects and grid resiliency 	<ul style="list-style-type: none"> ▪ Ongoing systemwide improvements to reduce scope and duration ▪ Continue to refine and improve PSPS decision-making, scoping process and tools ▪ Enhance data quality, accuracy and reporting capabilities ▪ Drive greater consistency in information sharing across all channels during an event ▪ Additional training and support for EOC staff to ensure in-event readiness ▪ Develop longer-term program plan and potential asset-based solutions



Insert your questions or feedback into the chat function.



Ask your question or provide your feedback verbally by unmuting your line.



How are lessons learned from 2020 affecting your 2021 planning efforts?



Are there additional tools/resources your agency needs?



Do you have any additional PSPS Program feedback?

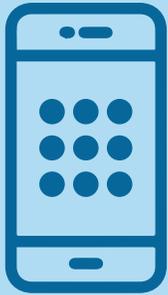
Grid Overview and Local Resilience Efforts

Grid Flyover





Insert your questions or feedback into the chat function.



Ask your question or provide your feedback verbally by unmuting your line.



What areas of your local grid would you like more information about?

How We're Prioritizing Our Wildfire Safety Work



To ensure we are addressing the highest wildfire risk areas, **we have implemented the latest wildfire risk model available** to maximize the safety of our customers and the communities we serve.

What this means in your community:



This advanced wildfire risk model allows us to **more precisely pinpoint the areas where we should focus** our system hardening and wildfire risk reduction efforts.



As a result of the new wildfire risk model, **customers and communities will see a shift in where we are prioritizing** our wildfire safety work in the coming years.



The shift in our work is a **direct result of the improved risk modeling technology** now available, providing a safer system to all of our customers across our service area.



Local System Hardening – North Coast Region

We are installing stronger poles, covered power lines and conducting targeted undergrounding to further reduce wildfire risks.

Our systemwide hardening work in 2021 will occur across **180 distribution circuit miles** in locations facing the highest wildfire risk.

System hardening will:

- Enhance long-term safety, especially during times of high fire-threat
- Improve reliability during winter
- In certain cases, reduce PSPS event impacts

Local work plans are subject to change and data is based on the best available information at this time.

COUNTY	 COMPLETE THROUGH 2020	 2021 PLANNED
Colusa	0 LINE MILES	0 LINE MILES
Glenn	0 LINE MILES	0 LINE MILES
Humboldt	10 LINE MILES	2.9 LINE MILES
Lake	14 LINE MILES	23.2 LINE MILES
Mendocino	1 LINE MILE	1.7 LINE MILES
Napa	78 LINE MILES	13.1 LINE MILES
Sacramento	0 LINE MILES	0 LINE MILES
Siskiyou	0 LINE MILES	0 LINE MILES
Solano	20 LINE MILES	0 LINE MILES
Sonoma	63 LINE MILES	9.8 LINE MILES
Trinity	1 LINE MILE	0 LINE MILES
Yolo	1 LINE MILE	0.5 LINE MILES



Local Sectionalizing – North Coast Region

We're installing new sectionalizing devices to limit the number of customers impacted during a PSPS event.

Our sectionalizing work in 2021 includes installing at least **250 new automated sectionalizing devices** in high fire-threat areas across our service area.

These sectionalizing devices separate the electric grid into smaller parts, allowing us to de-energize targeted areas during severe weather or fire conditions and improve efficiency.

Local work plans are subject to change and data is based on the best available information at this time.

COUNTY	 COMPLETE THROUGH 2020	 2021 PLANNED
Colusa	3 DEVICES	0 DEVICES
Glenn	1 DEVICE	0 DEVICES
Humboldt	24 DEVICES	3 DEVICES
Lake	16 DEVICES	8 DEVICES
Mendocino	26 DEVICES	4 DEVICES
Napa	61 DEVICES	31 DEVICES
Sacramento	0 DEVICES	0 DEVICES
Siskiyou	0 DEVICES	0 DEVICES
Solano	23 DEVICES	0 DEVICES
Sonoma	89 DEVICES	29 DEVICES
Trinity	0 DEVICES	1 DEVICE
Yolo	13 DEVICES	0 DEVICES

Substation Microgrids – Systemwide

In 2020 PG&E prepared 60 substation microgrids to receive temporary generation during PSPS events. Since then, we have continued to make improvements to weather modeling, grid operations and overall system resiliency.

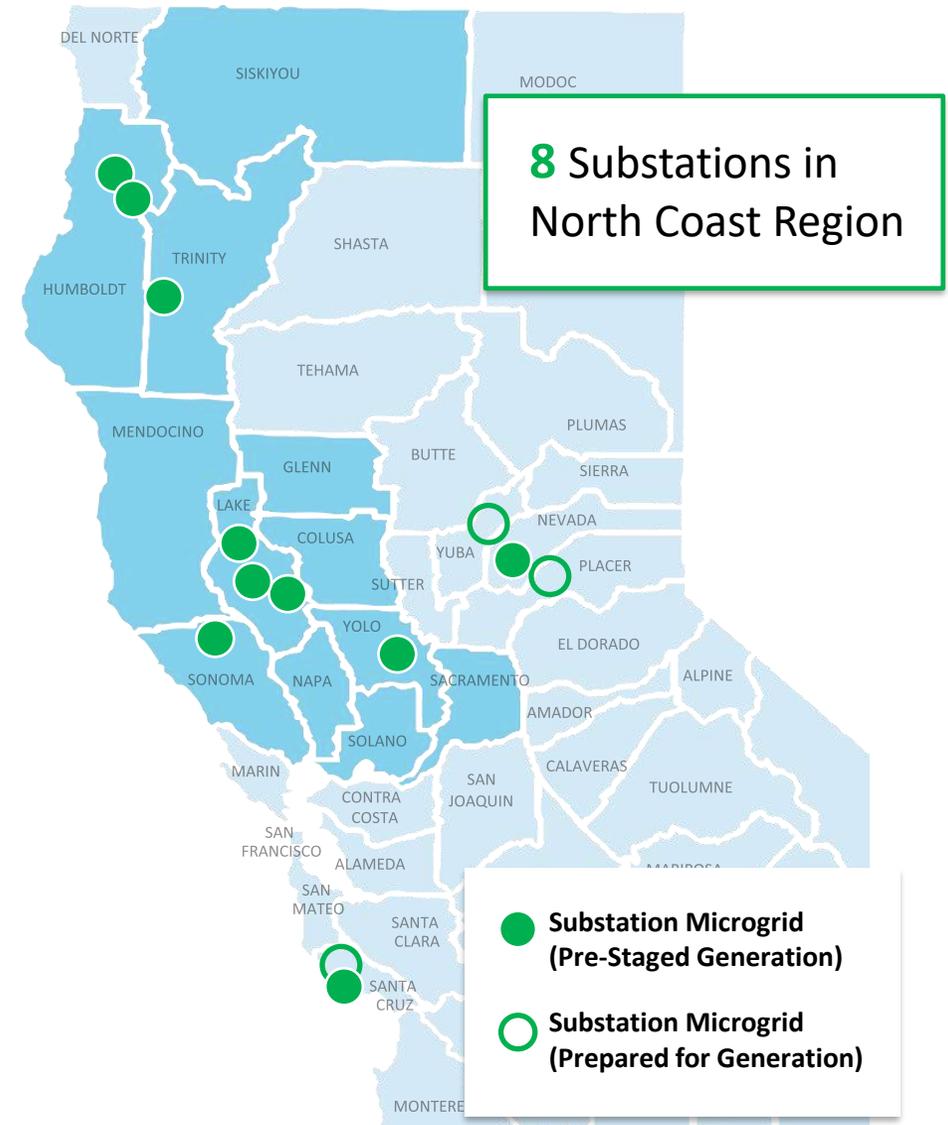


As a result of these improvements, **many of the substation microgrids prepared for temporary generation in 2020 are now significantly less likely to experience a PSPS related outage.**



In 2021, we plan to **pre-interconnect and test generation at 10 substation microgrids**, and we will also develop energization plans for three additional substation microgrids to allow them to more quickly receive generation if needed.

Local work plans are subject to change and data is based on the best available information at this time.





Systemwide Grid Resilience Efforts

To help prevent wildfires and reduce the number of customers affected by PSPS, we are deploying new technology and investing in a stronger, more flexible grid. The following are some of the programs that will help keep the lights on for customers and key community resources during a PSPS event.

Program	Description	2020 Sites	New 2021 Sites
Distribution Microgrids	Microgrids prepared to energize “main street” corridors, central community resources, and critical facilities in areas that frequently experience PSPS events.	7*	5**
Remote Grids	Remote Grids use a combination of solar power, battery storage and propane generation to provide energy to customers independent from the larger electric grid.	0	1***
Islanding Locations	Reconfiguration of local generation sources to allow certain areas to be separated from the larger electric grid and remain energized during PSPS events.	6	0

*Included 3 complete microgrids and 4 temporarily completed microgrids that will require additional work in 2021.

**Represents 5 new microgrids to be completed in 2021; note that additional sites are also in development (see appendix for details).

***Additional remote grids also under consideration (see appendix for details).

Local work plans are subject to change and data is based on the best available information at this time.



Grid Resilience Efforts – North Coast Region

COUNTY	COMPLETE THROUGH 2020	New 2021 Sites
Humboldt	1 LOCATION	0 LOCATIONS
Lake	1** LOCATION	3 LOCATIONS
Napa	2 LOCATIONS	0 LOCATIONS

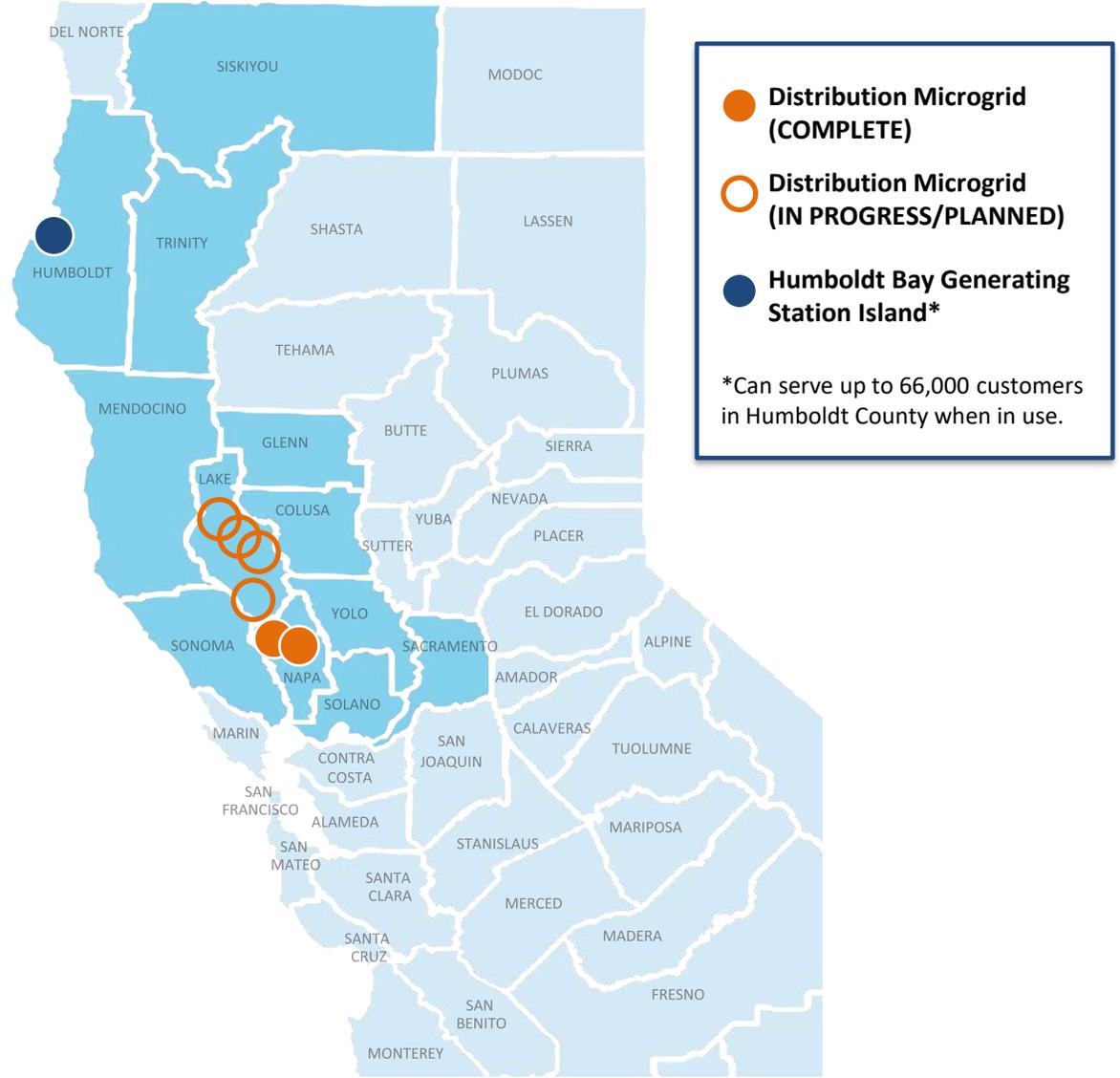
**Includes temporarily completed microgrids that will require additional work in 2021.

Note: Additional microgrid work is not currently planned in the remaining counties within the region.

PG&E is prioritizing its wildfire safety work by locations with the highest risk of wildfire and locations that will reduce PSPS impacts for the most customers.

Additional work is being planned for 2022 and beyond to make our system safer and more resilient.

Local work plans are subject to change and data is based on the best available information at this time.



Community Microgrid Enablement Program (CMEP)

A community microgrid is an electric system that serves multiple customers and can operate independently from the central energy grid. If you're interested in exploring if a microgrid may be a fit for your community, we can help.

Our new CMEP program helps communities plan and implement their own microgrid projects. This can include **technical expertise** and **potentially, one-time cost offsets**.

To qualify for this program, microgrid projects must meet the following criteria:

- ✓ Serve areas that have **experienced a past PSPS event**, or are in a high fire-threat district or an area prone to outages
- ✓ Priority will be given to projects in **disadvantaged and vulnerable communities**
- ✓ Serves **one or more critical facilities** plus at least one additional customer
- ✓ **Be supported by local governments and stakeholders**

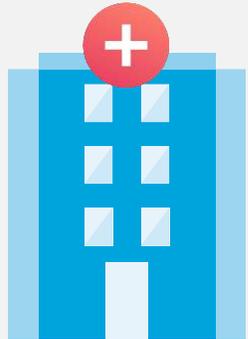
Learn more at

pge.com/resilience



Other Backup Generation Resources

To help mitigate PSPS impacts, PG&E will continue securing temporary generation sources prior to wildfire season to allow us to keep the lights on and provide resources to customers and communities during PSPS events.



Ad Hoc Backup Power Support

As a last resort, backup generation may be available for critical facilities, including but not limited to hospitals, transportation corridors, and water/sewage facilities.



Community Resource Centers

To allow customers to charge cell phones, laptops and small medical devices during a PSPS event.



PG&E will only deploy ad hoc backup power support where there is a high risk to public safety, environmental hazard or essential response facilities. PG&E is not a primary source of backup power for customers during PSPS events. Customers are encouraged to continue to take steps to prepare for the possibility of future PSPS events, including securing backup power if appropriate and possible.



CFILC Disability Disaster Access and Resources Program (DDARP)

PG&E is collaborating with the California Foundation for Independent Living Centers (CFILC) to provide qualifying customers with targeted outreach, personalized emergency planning support, energy needs assessments and in-event PSPS support. In-event support can include the following support based on customer needs:



Response to Escalations

received through PG&E's call center



Hotel Accommodations



Accessible Transportation

to hotels and Community Resource Centers



Food Vouchers



Gas Cards for generator fuel



Portable Batteries

During 2020 PSPS events, the following resources were provided:

~1,700 customers assessed

~1,000 batteries provided

~560 hotel vouchers provided

~900 food vouchers provided

~30 accessible transit rides provided

Data is subject to change and is based on best available information at this time.

Learn more about DDARP by visiting

DisabilityDisasterAccess.org

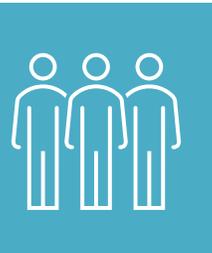
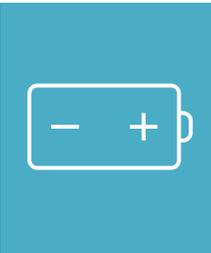




Portable Battery Program

PG&E is also conducting PSPS emergency preparedness outreach and energy needs assessments to support low-income Medical Baseline customers in high fire-threat areas with critical medical equipment and delivering fully subsidized portable battery solutions to eligible customers.

To date, this program has included the following:

	Establishing relationships with seven external battery delivery partners		Assessing over 8,800 customers
	Providing outreach to ~22,000 customers		Providing over 5,550 batteries to customers



Generator Rebate Program

Launched in late 2020, this program provides customers who depend on a well water pump and live in high fire-threat areas with a single rebate for purchasing a qualified portable power generator.

Program Offerings:



\$300 rebate for eligible customers and a **\$500 rebate** for eligible customers who are also participants in the CARE/FERA program.



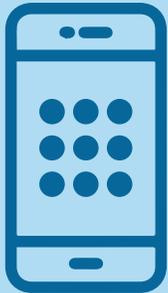
Rebates are offered through PG&E's backup power marketplace located at pge.com/backuppowers and over 100 customers have already taken advantage of the rebate.

Learn more about PG&E's Generator Rebate Program by visiting

pge.com/backuppowers



Insert your questions or feedback into the chat function.



Ask your question or provide your feedback verbally by unmuting your line.



Are there programs we have discussed today that you would like to explore for your community?



Has your agency/ organization explored any resiliency efforts you would like to share with the group?

Public Safety Power Shutoff Microgrid Communications



In-Event Notification/Information Tools for Microgrids

During a PSPS event, we will inform agencies and customers that they will receive temporary generation through the following channels:



Notifications/Calls



Tools and Data

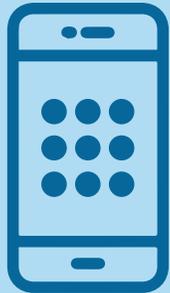


Support

	Notifications/Calls	Tools and Data	Support
Agencies	<ul style="list-style-type: none"> Ongoing coordination with Assigned Agency Representative Operational Area Cooperators Call 	<ul style="list-style-type: none"> Situation Report PSPS Portal 	Assigned Agency Representative
Critical Customers	Standard customer notifications with temporary power specific information, when applicable	Critical facilities that are Public Safety Partners receive: <ul style="list-style-type: none"> Situation Report PSPS Portal 	Assigned Account Representative or PG&E Operational Emergency Center Customer Strategy Officer, if applicable
Residential Customers	Standard customer notifications with temporary power specific information, when applicable	PG&E Emergency Web Address Lookup Tool (all customers)	PG&E Call Center



Insert your questions or feedback into the chat function.



Ask your question or provide your feedback verbally by unmuting your line.



What information would you like to see included in communications during an event around temporary generation, resiliency or backup power?

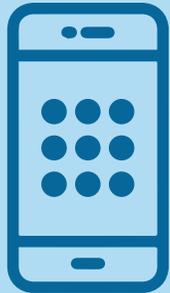
Grid Resilience Planning Session

Regional Co-Moderator





Insert your questions or feedback into the chat function.



Ask your question or provide your feedback verbally by unmuting your line.



Are there resilience subjects you would like us to cover in future Regional Working Group meetings?



What resilience efforts are most important to your community?

Next Steps

- 
Meeting survey shared with participants to gather feedback on approach and content of regional working group

- 
Follow-up on items identified by local agencies/stakeholders

- 
Upcoming meetings
 - Wildfire Safety Working Sessions (WSWS)
 - Safety Town Halls
 - Regional Webinars
 - Future Regional Working Group Meetings

2021 REGIONAL WORKING GROUP CALENDAR	
TIMING	PROPOSED TOPICS
Q1 2021	<ul style="list-style-type: none"> • Electric grid resiliency solutions • Microgrids and temporary generation • PSPS planning and preparedness
Q2 2021	<ul style="list-style-type: none"> • PSPS and Wildfire Safety
Q3 2021	<ul style="list-style-type: none"> • PSPS weather and climatology analysis • Local reliability statistics • Microgrids and temporary generation • PSPS outage scenarios
Q4 2021	<ul style="list-style-type: none"> • PSPS and Wildfire Safety

Thank You



Appendix





Status of Planned/Upcoming Resilience Efforts – Systemwide

Program	County	Site Name/Area	Status	Estimated Completion
Substation Microgrids	Humboldt	Hoopa	Planning	August 1, 2021
	Humboldt	Willow Creek	Planning	August 1, 2021
	Lake	Clear Lake	Planning	August 1, 2021
	Lake	Hartley	Planning	August 1, 2021
	Lake	Konocti	Planning	August 1, 2021
	Nevada	Brunswick	Planning	August 1, 2021
	Placer	Weimar	Planning	August 1, 2021
	Santa Cruz	Big Basin	Planning	August 1, 2021
	Santa Cruz	Point Moretti	Planning	August 1, 2021
	Sonoma	Cloverdale	Planning	August 1, 2021
	Trinity	Low Gap	Planning	August 1, 2021
	Yolo	Plainfield	Planning	August 1, 2021
	Yuba	Dobbins	Planning	August 1, 2021
Distribution Microgrids	Butte	Magalia	Construction	Q2 2021
	Calaveras	Arnold	Construction	Q3 2021
	El Dorado	Georgetown	Planning	Q2 2021
	El Dorado	Placerville	Temp. Complete 2020 – Addl. Enhancements in 2021	Q4 2021
	El Dorado	Pollock Pines	Complete	N/A
	Lake	Clearlake North	Temp. Complete 2020 – Addl. Enhancements in 2021	Q4 2021
	Lake	Clearlake South	Planning	Q3 2021

Local work plans are subject to change and data is based on the best available information at this time.



Status of Planned/Upcoming Resilience Efforts – Systemwide

Program	County	Site Name/Area	Status	Estimated Completion
Distribution Microgrids (cont.)	Lake	Lucerne	Planning	Q3 2021
	Lake	Middletown	Planning	Q2 2021
	Napa	Angwin	Complete	N/A
	Napa	Calistoga	Complete	N/A
	Placer	Colfax	Temp. Complete 2020 – Addl. Enhancements in 2021	Q4 2021
	Placer	Foresthill	Planning	Q3 2021
	Shasta	Shingletown	Complete	N/A
	Tuolumne	Groveland	Planning	Q3 2021
Remote Grids	El Dorado	El Dorado	Planning	Q1 2022
	Mariposa	Mariposa 1	Construction	Q2 2021
	Mariposa	Mariposa 2	Planning	Q1 2022
	Mariposa	Mariposa 3	Planning	Q1 2022
	San Luis Obispo	San Luis Obispo 1	Design & Permitting	Q2 2022
	San Luis Obispo	San Luis Obispo 2	Design & Permitting	Q2 2022
	Tulare	Tulare	Planning	Q2 2022
	Tehama	Tehama	Planning	Q1 2022
Islanding	Amador/Calaveras	Salt Springs Island	Complete	N/A
	Amador/Calaveras	West Point Island	Complete	N/A
	Humboldt	Humboldt Bay Island	Complete	N/A
	Plumas	Caribou Island	Complete	N/A
	Tehama	Red Bluff Island	Complete	N/A
	Tuolumne	Spring Gap Island	Complete	N/A

Local work plans are subject to change and data is based on the best available information at this time.

Some of the measures included in this presentation are contemplated as additional precautionary measures intended to further reduce the risk of wildfires.



Customer Support Resources in North Coast Region

North Coast Region Community-Based Organizations

CFILC

- Disability Action Center (DAC)
- Disability Services & Legal Center (DSLCL)
- Foundation of Resources for Equality and Employment for the Disabled (FREED)
- Independent Living Resources of Solano & Contra Costa Counties (ILRSCC)
- Resources for Independent Living (RIL)
- Tri County Independent Living (TCIL)

Food Banks

- Community Action Agency of Butte County
- Community Action of Napa Valley Food Bank
- Redwood Empire Food Bank
- Fort Bragg Food Bank
- Food Bank of Contra Costa & Solano
- Redwood Empire Food Bank
- Yolo Food Bank

Meals on Wheels

- Ceres Community Project
- Coastal Seniors
- Community Action Agency of Napa Valley
- Meals on Wheels Solano County
- Petaluma People Services

In-Language

- Corazon Healdsburg
- D'Primeramano (Non-Profit)
- KBBF Radio (Non-Profit)
- KCSO Telemundo
- KDTV Univision
- KIQI Radio
- KRON4.2-Skylink TV
- KSFN – News for Chinese Radio
- KSJZ-Korean American Radio
- KTSF-TV
- KTVO-Sing Tao Radio
- La Voz Media
- Lotus Radio Sacramento
- Movimiento Cultural del a Union Indigena
- PAMA One Radio
- Radio Bilingüe (Non-Profit)
- Radio Lazer Sacramento
- Radio Lazer SJ (KSFN)
- Redirect Nuevo Camino & Ocelotecame
- Sound of Hope Radio Network
- Wine Country Radio
- ABS-CNB
- Alianza News
- KBTV-Crossings TV
- Russian American

Additional Partnership Opportunities

Organization	County
Senior Nutrition Center	Colusa
Glenn County Senior Center	Glenn
Food for People	Humboldt
Healy Senior Center	Humboldt
Lake County Council on Aging	Lake
The Fort Bragg Food Bank	Mendocino
Trinity County Food Bank	Mendocino
Roderick/Hayfork Senior Center	Trinity
Yolo Meals on Wheels	Yolo

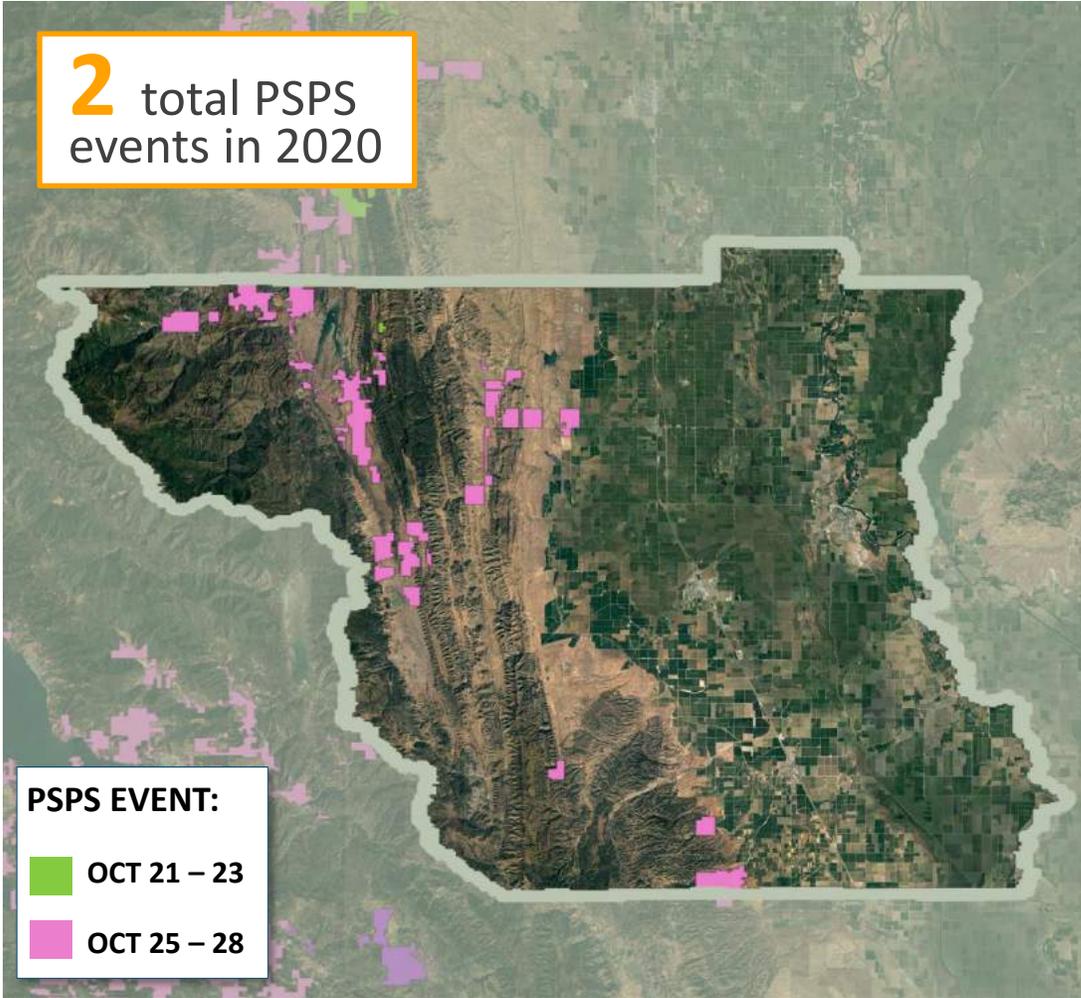


Local partnership request: Can you help us get in touch with these agencies?



PSPS Event Overview Colusa County

2 total PSPS events in 2020



Note: PSPS impact areas are approximate and may overlap

Event Details



CUSTOMERS IMPACTED



COMMUNITY RESOURCE CENTERS OPEN



PEAK WIND GUSTS



DAMAGE/HAZARDS



AVG. RESTORATION TIME



TOTAL AVG. OUTAGE DURATION

OCT
21 – 23

OCT
25 – 28

	OCT 21 – 23	OCT 25 – 28
CUSTOMERS IMPACTED	6	564
COMMUNITY RESOURCE CENTERS OPEN	0	1
PEAK WIND GUSTS	42 MPH	50 MPH
DAMAGE/HAZARDS	0	0
AVG. RESTORATION TIME	5 HRS	2 HRS
TOTAL AVG. OUTAGE DURATION	11 HRS	31 HRS



PSPS Event Overview Glenn County

2 total PSPS events in 2020



PSPS EVENT:

- OCT 21 – 23
- OCT 25 – 28

Note: PSPS impact areas are approximate and may overlap

Event Details



CUSTOMERS IMPACTED



COMMUNITY RESOURCE CENTERS OPEN



PEAK WIND GUSTS



DAMAGE/HAZARDS



AVG. RESTORATION TIME



TOTAL AVG. OUTAGE DURATION

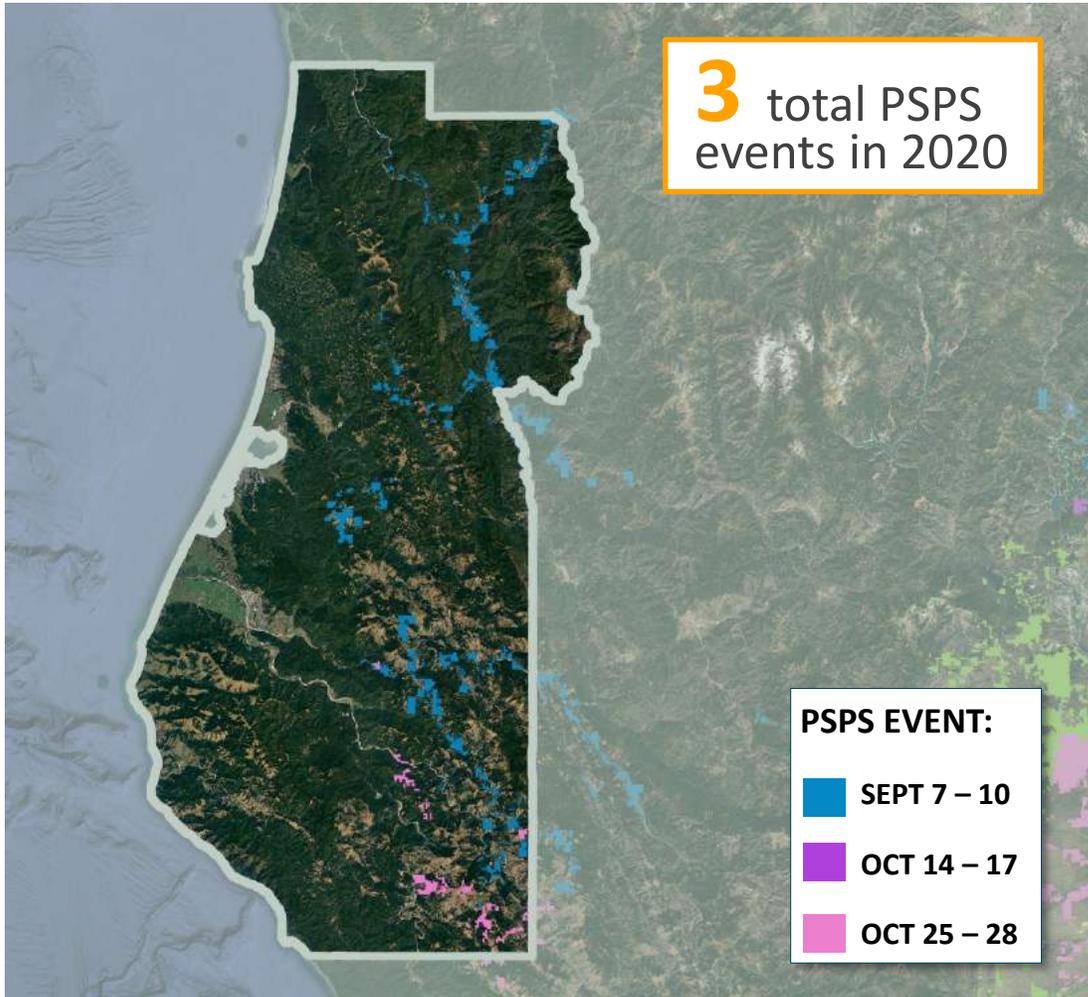
OCT
21 – 23

OCT
25 – 28

	OCT 21 – 23	OCT 25 – 28
CUSTOMERS IMPACTED	162	368
COMMUNITY RESOURCE CENTERS OPEN	1	1
PEAK WIND GUSTS	39 MPH	43 MPH
DAMAGE/HAZARDS	0	0
AVG. RESTORATION TIME	5 HRS	3 HRS
TOTAL AVG. OUTAGE DURATION	11 HRS	28 HRS



PSPS Event Overview Humboldt County



Note: PSPS impact areas are approximate and may overlap

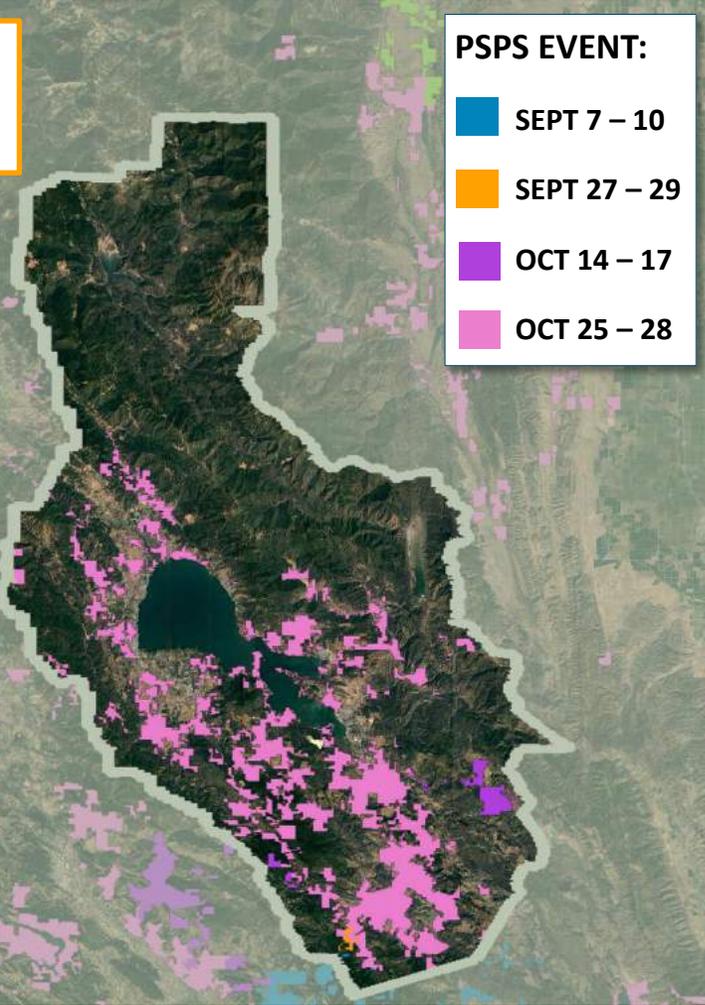
Event Details

	SEPT 7 - 10	OCT 14 - 17	OCT 25 - 28
CUSTOMERS IMPACTED	1,768	175	2,238
COMMUNITY RESOURCE CENTERS OPEN	2	1	4
PEAK WIND GUSTS	45 MPH	26 MPH	46 MPH
DAMAGE/HAZARDS	7	0	0
AVG. RESTORATION TIME	15 HRS	3 HRS	5 HRS
TOTAL AVG. OUTAGE DURATION	37 HRS	18 HRS	15 HRS



PSPS Event Overview Lake County

4 total PSPS events in 2020



Event Details

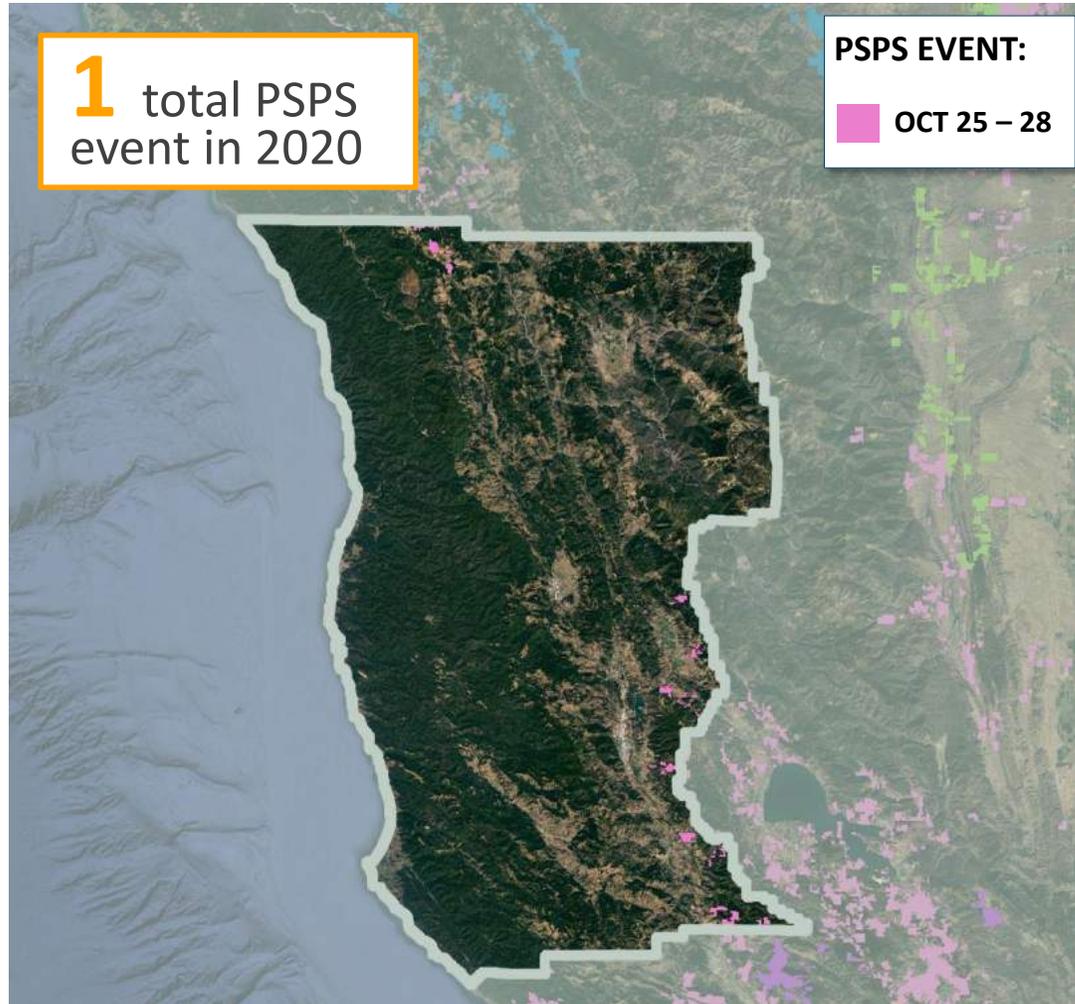
	SEPT 7 – 10	SEPT 27 – 29	OCT 14 – 17	OCT 25 – 28
 CUSTOMERS IMPACTED	49	80	77	21,699
 COMMUNITY RESOURCE CENTERS OPEN	0	1	0	7
 PEAK WIND GUSTS	48 MPH	52 MPH	48 MPH	71 MPH
 DAMAGE/HAZARDS	0	1	0	3
 AVG. RESTORATION TIME	4 HRS	3 HRS	2 HRS	15 HRS
 TOTAL AVG. OUTAGE DURATION	35 HRS	17 HRS	44 HRS	44 HRS

Note: PSPS impact areas are approximate and may overlap

*PG&E's EOC was activated while monitoring a potential wind event on 12/7 but ultimately did not de-energize



PSPS Event Overview Mendocino County



Note: PSPS impact areas are approximate

Event Details

OCT
25 - 28



CUSTOMERS IMPACTED

203



COMMUNITY RESOURCE
CENTERS OPEN

3



PEAK WIND GUSTS

49
MPH



DAMAGE/HAZARDS

0



AVG. RESTORATION TIME

10
HRS

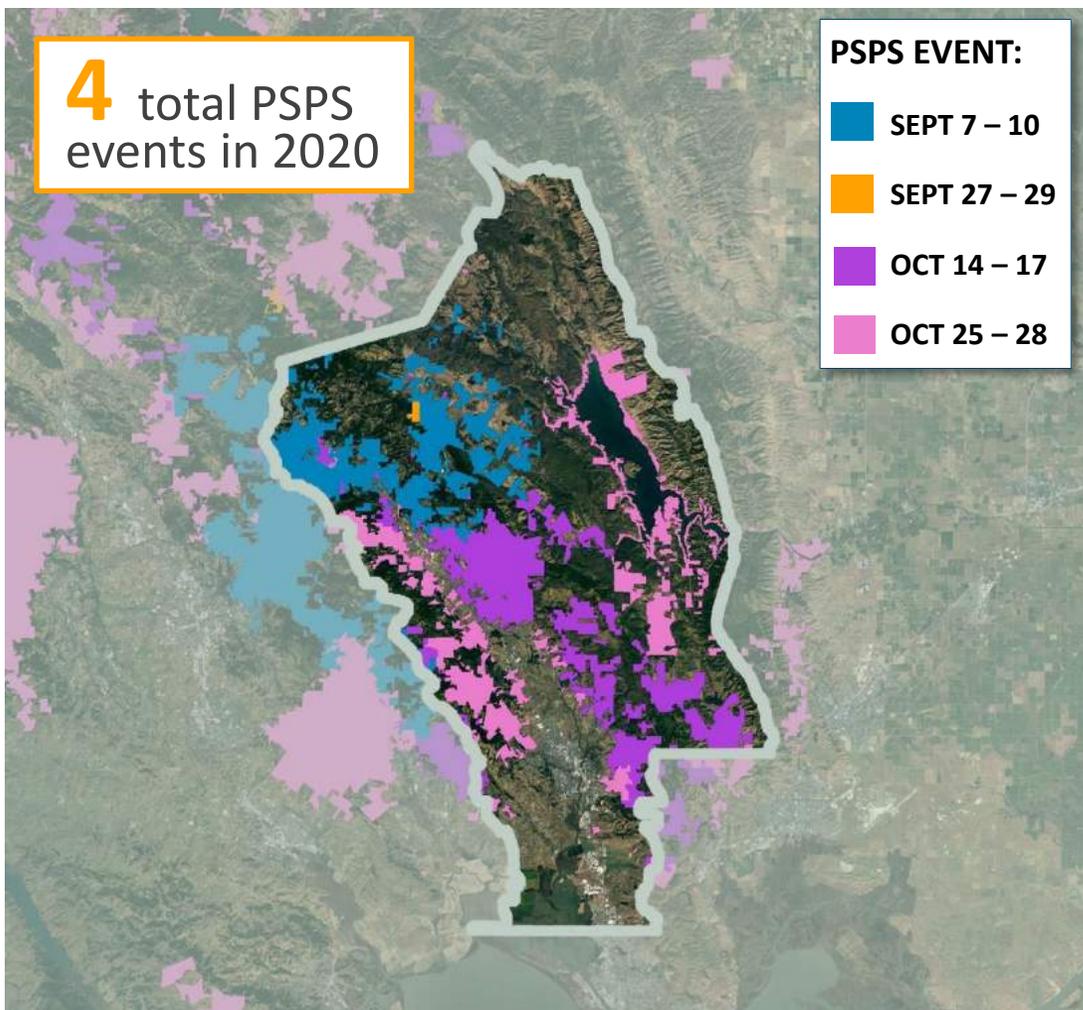


TOTAL AVG. OUTAGE DURATION

34
HRS



PSPS Event Overview Napa County



Note: PSPS impact areas are approximate and may overlap

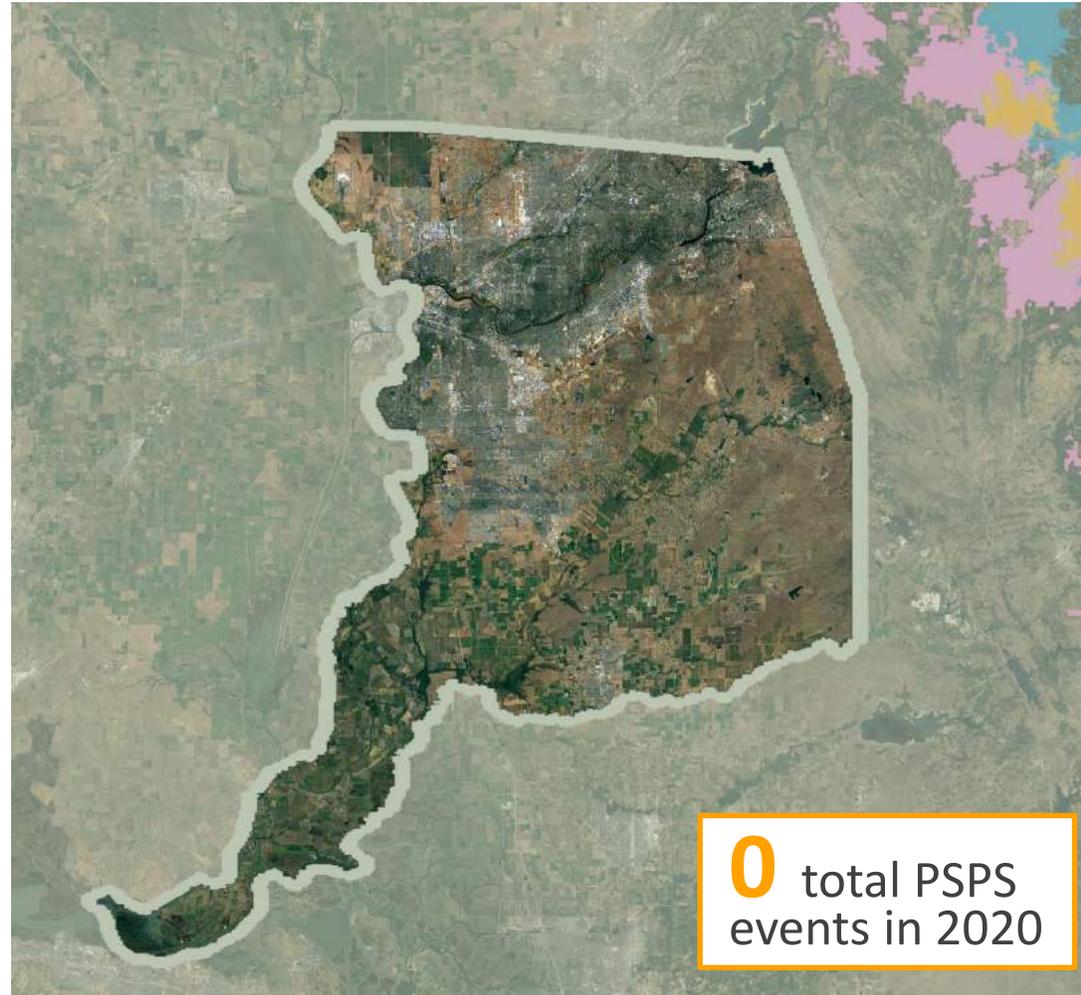
Event Details

	SEPT 7 – 10	SEPT 27 – 29	OCT 14 – 17	OCT 25 – 28
 CUSTOMERS IMPACTED	5,273	204	5,131	8,485
 COMMUNITY RESOURCE CENTERS OPEN	3	1	4	5
 PEAK WIND GUSTS	56 MPH	63 MPH	50 MPH	82 MPH
 DAMAGE/HAZARDS	3	0	4	14
 AVG. RESTORATION TIME	17 HRS	4 HRS	5 HRS	13 HRS
 TOTAL AVG. OUTAGE DURATION	47 HRS	18 HRS	47 HRS	50 HRS

*PG&E's EOC was activated while monitoring a potential wind event on 12/7 but ultimately did not de-energize



PSPS Event Overview Sacramento County

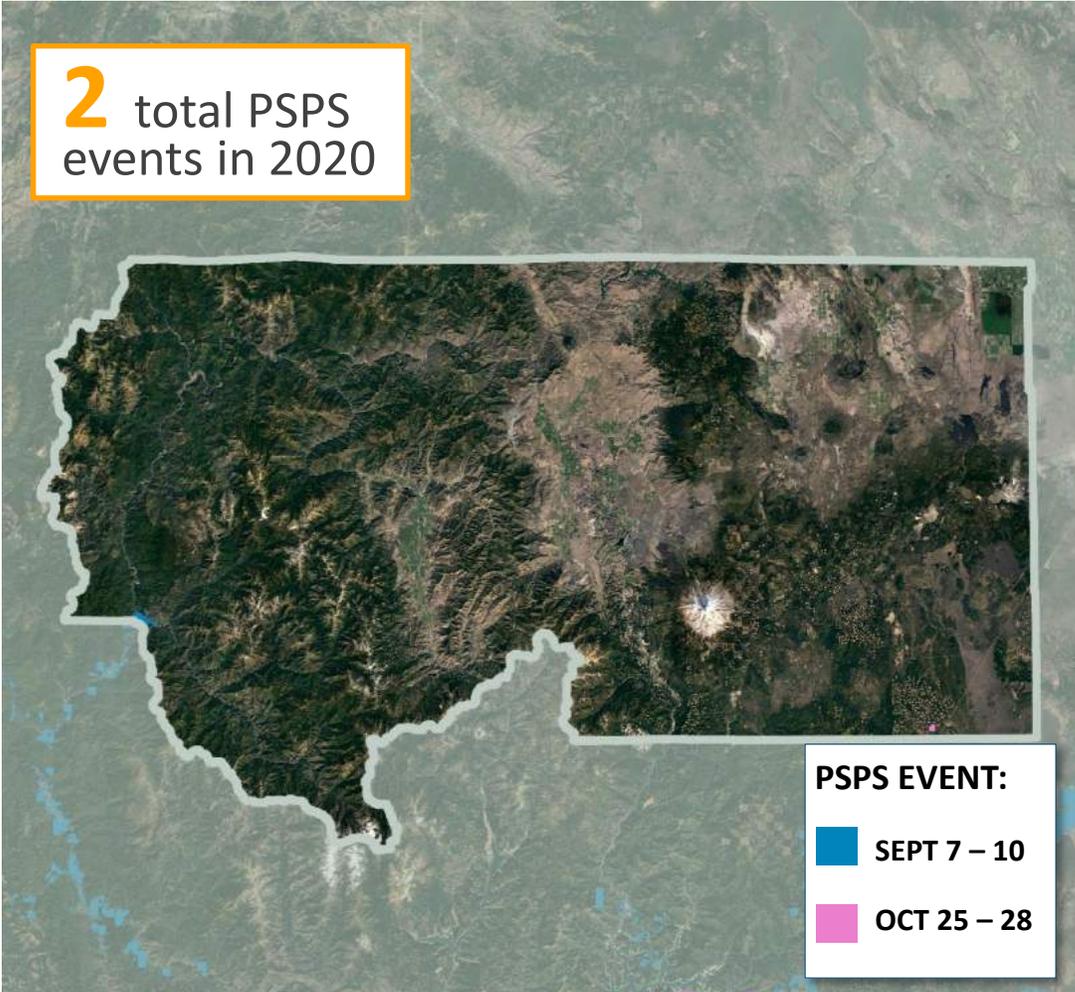


Sacramento County did not experience a PSPS Event in 2020



PSPS Event Overview Siskiyou County

2 total PSPS events in 2020



Note: PSPS impact areas are approximate and may overlap

Event Details

	SEPT 7 – 10	OCT 25 – 28
CUSTOMERS IMPACTED	58	2
COMMUNITY RESOURCE CENTERS OPEN	0	0
PEAK WIND GUSTS	63 MPH	43 MPH
DAMAGE/HAZARDS	0	0
AVG. RESTORATION TIME	22 HRS	25 HRS
TOTAL AVG. OUTAGE DURATION	37 HRS	47 HRS

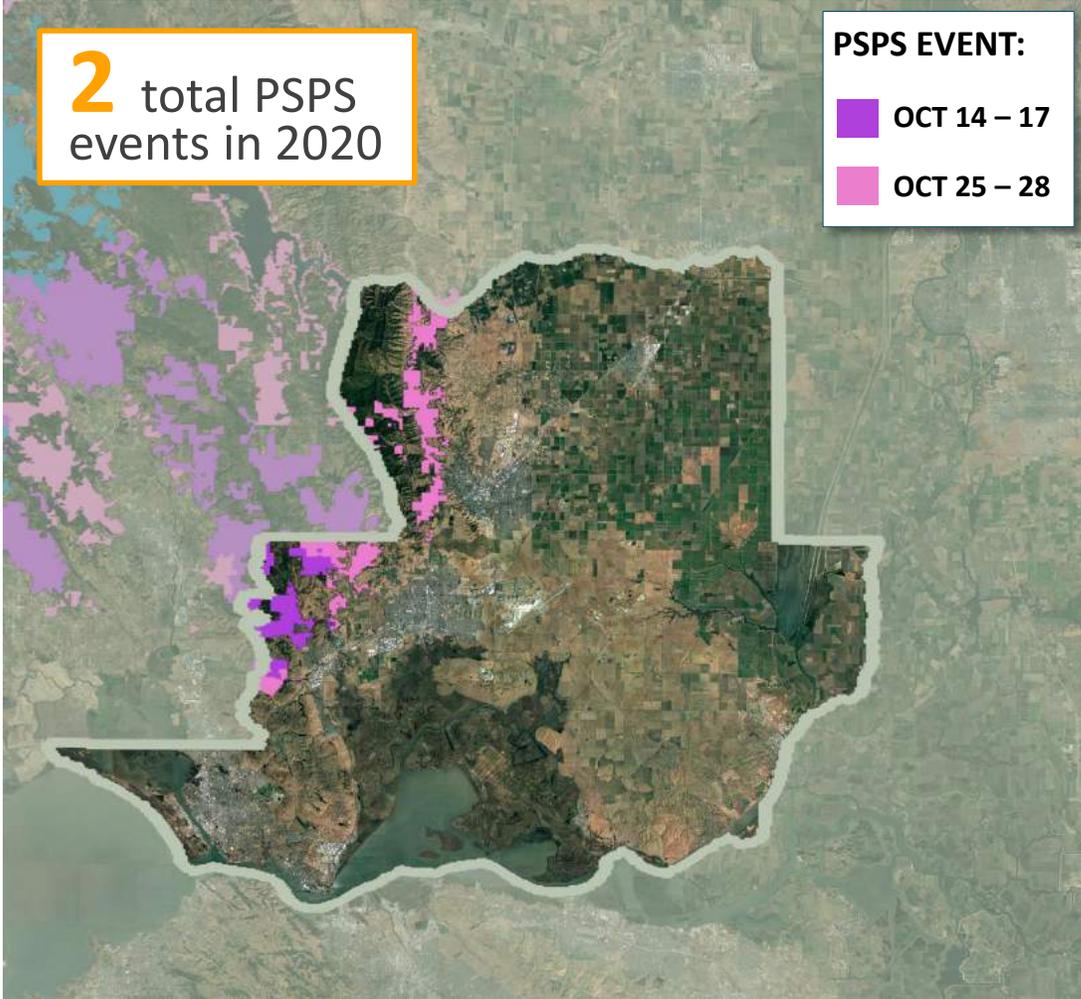


PSPS Event Overview Solano County

2 total PSPS events in 2020

PSPS EVENT:

- OCT 14 – 17
- OCT 25 – 28



Note: PSPS impact areas are approximate and may overlap

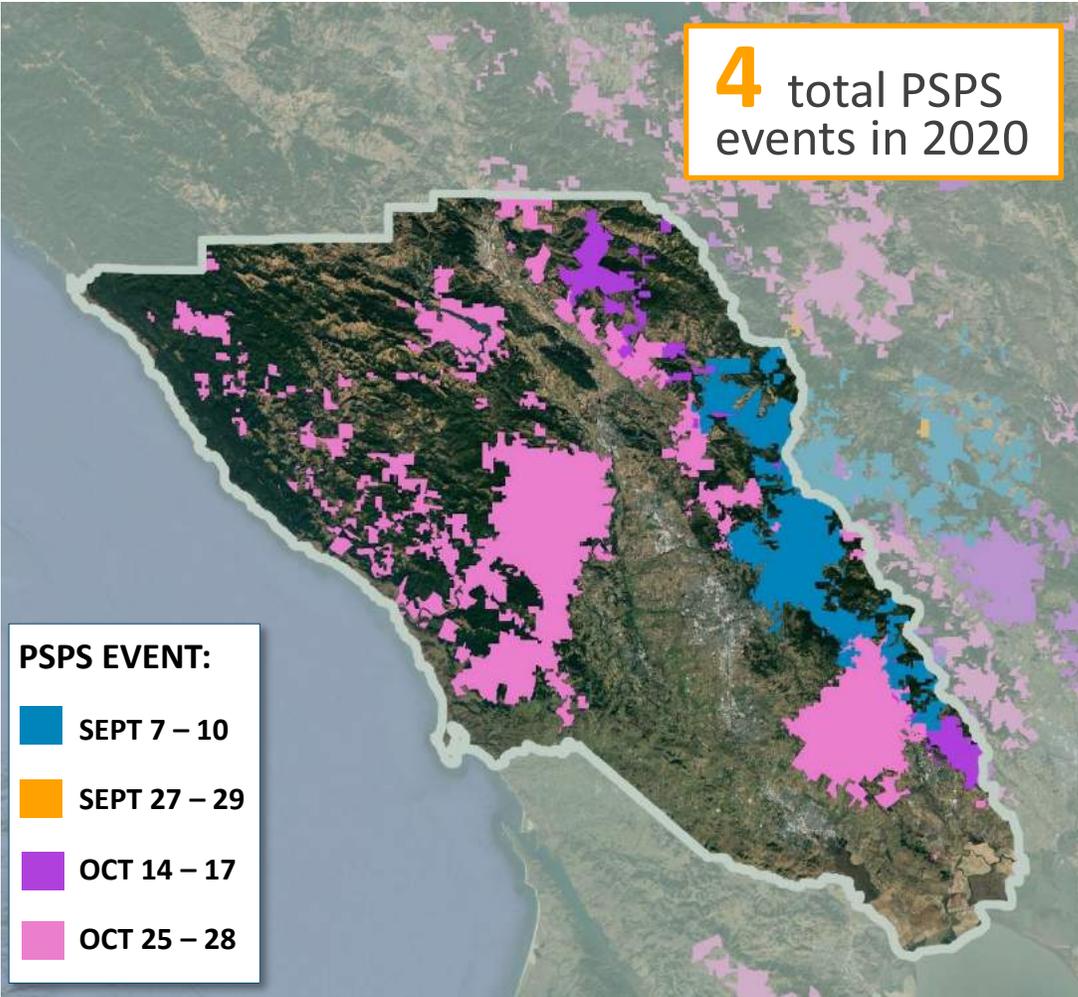
Event Details

	OCT 14 – 17	OCT 25 – 28
 CUSTOMERS IMPACTED	867	1,590
 COMMUNITY RESOURCE CENTERS OPEN	1	1
 PEAK WIND GUSTS	24 MPH	47 MPH
 DAMAGE/HAZARDS	0	0
 AVG. RESTORATION TIME	3 HRS	15 HRS
 TOTAL AVG. OUTAGE DURATION	43 HRS	39 HRS



PSPS Event Overview Sonoma County

4 total PSPS events in 2020



Note: PSPS impact areas are approximate and may overlap

Event Details

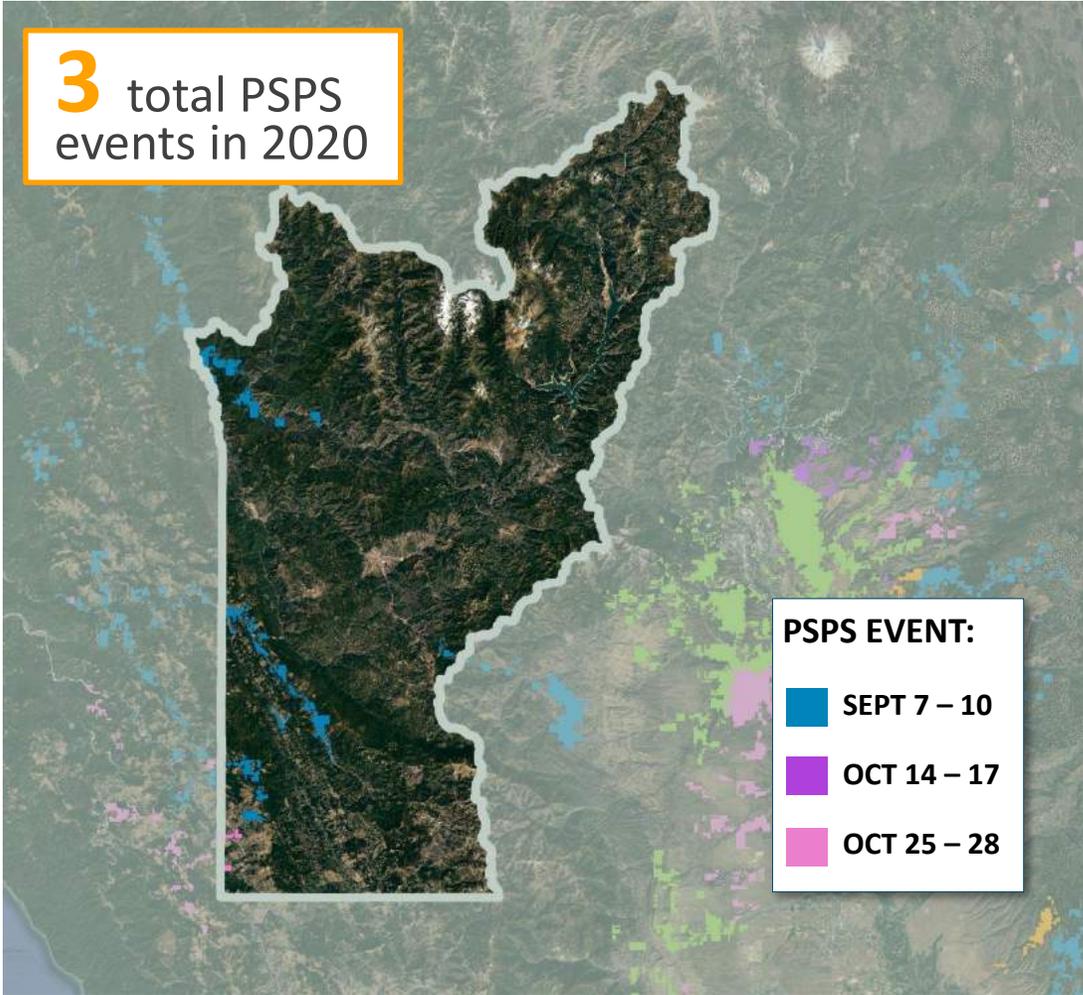
	SEPT 7 – 10	SEPT 27 – 29	OCT 14 – 17	OCT 25 – 28
CUSTOMERS IMPACTED	17,572	2	1,678	23,325
COMMUNITY RESOURCE CENTERS OPEN	3	0	4	7
PEAK WIND GUSTS	66 MPH	73 MPH	73 MPH	89 MPH
DAMAGE/HAZARDS	1	0	2	8
AVG. RESTORATION TIME	5 HRS	3 HRS	4 HRS	13 HRS
TOTAL AVG. OUTAGE DURATION	29 HRS	17 HRS	43 HRS	42 HRS

*PG&E's EOC was activated while monitoring a potential wind event on 12/7 but ultimately did not de-energize



PSPS Event Overview Trinity County

3 total PSPS events in 2020



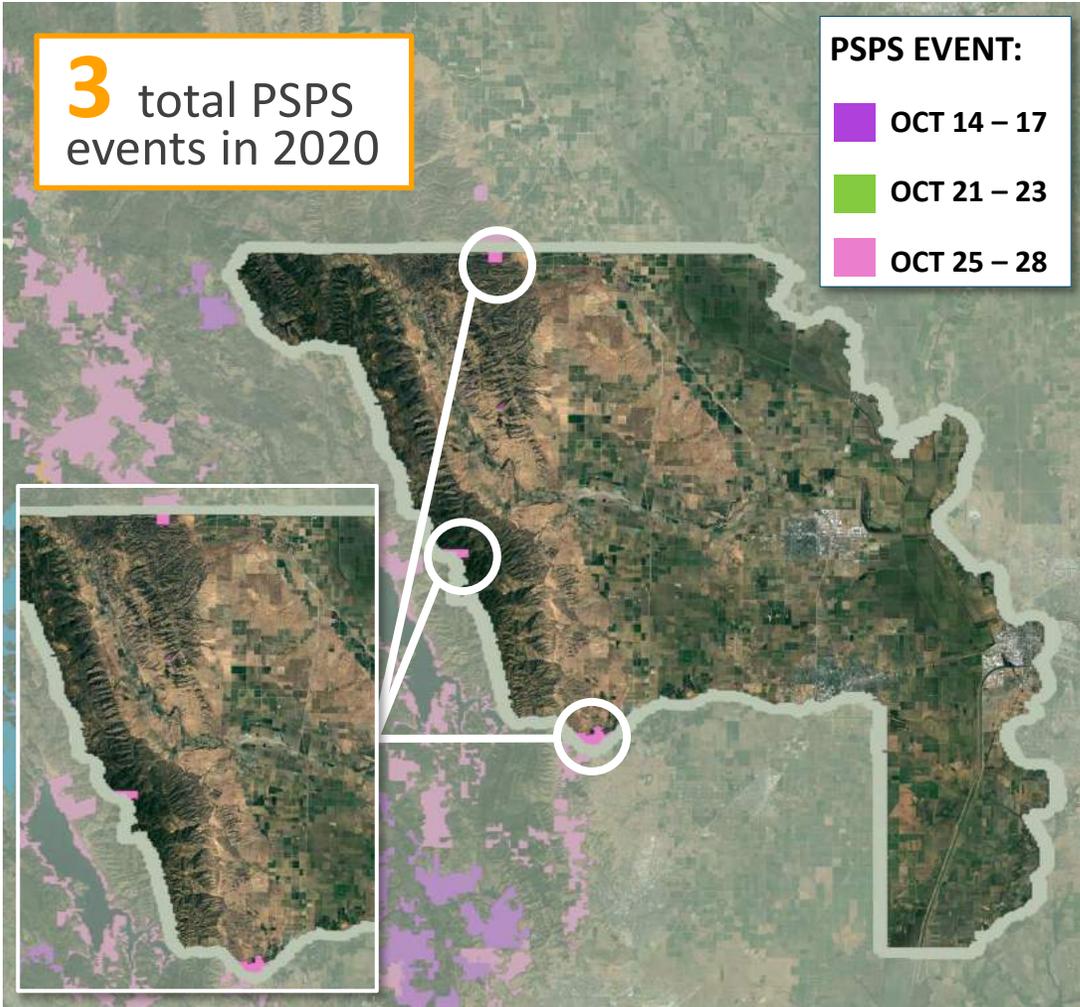
Note: PSPS impact areas are approximate and may overlap

Event Details

	SEPT 7 – 10	OCT 14 – 17	OCT 25 – 28
 CUSTOMERS IMPACTED	485	136	451
 COMMUNITY RESOURCE CENTERS OPEN	2	0	2
 PEAK WIND GUSTS	42 MPH	26 MPH	38 MPH
 DAMAGE/HAZARDS	8	0	3
 AVG. RESTORATION TIME	28 HRS	4 HRS	4 HRS
 TOTAL AVG. OUTAGE DURATION	52 HRS	18 HRS	22 HRS



PSPS Event Overview Yolo County



Note: PSPS impact areas are approximate and may overlap

Event Details

	OCT 14 - 17	OCT 21 - 23	OCT 25 - 28
CUSTOMERS IMPACTED	10	10	167
COMMUNITY RESOURCE CENTERS OPEN	0	0	1
PEAK WIND GUSTS	55 MPH	45 MPH	52 MPH
DAMAGE/HAZARDS	0	0	0
AVG. RESTORATION TIME	1 HR	2 HRS	2 HRS
TOTAL AVG. OUTAGE DURATION	42 HRS	7 HRS	25 HRS

Community Wildfire Safety Program

REGIONAL WORKING GROUP

South Bay/Central Coast Region

March 25, 2021



Virtual Sign-In Reminder

Please “sign-in” using the chat function and provide your **name, organization and email**.



Safety

General Safety Tip | New PSPS Address Alerts

We are introducing an important new notification tool: **PSPS Address Alerts**. These alerts can help you prepare and stay safe. Customers and non-account holders can be alerted in multiple languages about a potential PSPS event at any address that is important to them. Notifications will be by call and text.

Sign up for addresses that you care about, such as:

- ✓ Your work or business
- ✓ Your child's school or daycare
- ✓ The home of a friend or loved one



Learn more at

pge.com/addressalerts





Agenda

DISCUSSION TOPICS:

- 1 Safety and Introductions**
- 2 Meeting Purpose and Background**
- 3 Public Safety Power Shutoff (PSPS) Update**
- 4 Grid Overview and Local Resilience Efforts**
- 5 PSPS Temporary Power Communications**
- 6 Grid Resilience Planning Session (Co-Moderated)**
- 7 Open Discussion/Q&A**

REGIONAL CO-MODERATOR:

Gerry Malais | Monterey County Office of Emergency Services

PG&E PRESENTERS:

Pat Mullen | Senior Manager Local Customer Experience and Division Lead

Daniel Cedeño | Local Public Affairs

Stew Roth | Public Safety Specialist

Steve Crawford | Public Safety Specialist

Reno Franklin | Tribal Liaison

Jon Stallman | Integrated Grid Planning and Innovation

Molly Hoyt | Community Microgrid Enablement Program



Virtual Sign-In Reminder

Please “sign-in” using the chat function and provide your **name, organization and email.**

WORKING GROUP PARTICIPANTS:

- County Office of Emergency Services
- Tribal Representatives
- City Government Representatives
- Access and Functional Needs Representatives
- Community Based Organizations
- First Responders
- Telecommunications Providers
- Community Choice Aggregators
- Small, Multi-Jurisdictional Electric Utilities
- National Aeronautics and Space Administration
- California Public Utilities Commission (CPUC) Staff
- Filsinger Energy Partners
- PG&E

Meeting Purpose and Background

Regional Working Groups provide a forum for communities impacted by PSPS events and PG&E to share lessons learned and discuss wildfire mitigation progress. These meetings address requirements from both the CPUC's [PSPS Phase II Decision](#) and [Microgrid OIR](#).

Meeting Purpose:

- **Highlight feedback received** from agencies, tribes and other stakeholders
- **Discuss planned and ongoing grid improvements** including system hardening, sectionalizing and other resilience efforts
- **Review local resilience projects and resources** available to agencies and customers
- **Provide an overview of the in-event notification** process for temporary power
- **Coordinate with regional stakeholders** on local resilience efforts and make PG&E subject matter experts available to answer questions

A summary of the feedback gathered here today and results from a post-meeting survey, will be made public and shared with the CPUC.



Public Safety Power Shutoff (PSPS) Program





2020/2021 Post-Event Outreach and Feedback

Following this past year's PSPS events, PG&E engaged with agency/Tribal leaders, public safety partners and customers to listen, gather feedback and identify areas for improvement.

Regional Working Groups	Post-event Surveys	PSPS Listening Sessions	PSPS Advisory Committee	Customer Outreach
Quarterly meetings held in five geographic regions (Bay Area, South Bay/Central Coast, Central Valley, Sierra, North Coast)	Surveys sent to impacted county, city and Tribal governments following PSPS events	Meetings with county and Tribal emergency managers, local governments and public safety partners	Ongoing, ad hoc meetings with targeted group of county, Tribal and state agency representatives	Feedback provided from customers via surveys, focus groups, Contact Center calls, online forums and social media
5 meetings in Q4 2020	34 survey responses	41 meetings complete	8 meetings complete	~9,900 customers

Feedback from 2020/2021 PSPS Events

Our customers and communities recognized the improvements we made this PSPS season. While our processes improved compared to last year, we must continue to do better.



What we've heard from our customers:

- Approx. 60% of customers say PG&E's handling of PSPS has improved compared to the previous year
- Users of pge.com noted an improved experience and availability of information
- Customers also noted experiencing inaccurate or inconsistent information in some cases
- Customers want more accurate restoration times
- Customers lose time and money due to PSPS
- Medical Baseline customers want additional support and information



What we've heard from our communities:

- Significant improvement in PSPS execution in 2020, noting scope reductions were impactful
- Provide more consistent, timely and accurate info on the PSPS Portal and other channels
- Build on partnerships with CBOs and explore other resource offerings
- Continue engagement around Community Resource Centers
- Increase coordination with telecom providers
- Requests for additional mitigation and temporary generation information and support

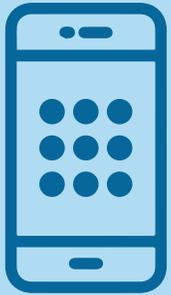
2021 Key PSPS Focus Areas

We continue to evolve our wildfire safety and PSPS programs based on lessons learned, new data and feedback received from our customers and communities.

 Customer Preparedness and Support	 Agency/Tribal Outreach and Support	 Operational Improvements
<ul style="list-style-type: none"> ▪ Enhance and expand CBO partnerships and improve in-event coordination ▪ Drive greater participation in battery programs to help vulnerable and frequently impacted customers ▪ Further refinement of event notification content and timing ▪ Refine Community Resource Centers ▪ Continue to host webinars, open houses and safety town halls to gather feedback, share information and drive preparedness 	<ul style="list-style-type: none"> ▪ Continue to improve information sharing during an event (i.e., PSPS Portal, situation report, etc.) ▪ Conduct trainings and exercises to help public safety partners prepare ▪ Ongoing engagement and coordination with cities, counties and tribes through Regional Working Groups, advisory committees, working sessions and direct outreach ▪ Share information about local wildfire safety projects and grid resiliency 	<ul style="list-style-type: none"> ▪ Ongoing systemwide improvements to reduce scope and duration ▪ Continue to refine and improve PSPS decision-making, scoping process and tools ▪ Enhance data quality, accuracy and reporting capabilities ▪ Drive greater consistency in information sharing across all channels during an event ▪ Additional training and support for EOC staff to ensure in-event readiness ▪ Develop longer-term program plan and potential asset-based solutions



Insert your questions or feedback into the chat function.



Ask your question or provide your feedback verbally by unmuting your line.



How are lessons learned from 2020 affecting your 2021 planning efforts?



Are there additional tools/resources your agency needs?



Do you have any additional PSPS Program feedback?

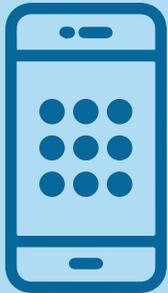
Grid Overview and Local Resilience Efforts

Grid Flyover





Insert your questions or feedback into the chat function.



Ask your question or provide your feedback verbally by unmuting your line.



What areas of your local grid would you like more information about?

How We're Prioritizing Our Wildfire Safety Work



To ensure we are addressing the highest wildfire risk areas, **we have implemented the latest wildfire risk model available** to maximize the safety of our customers and the communities we serve.

What this means in your community:



This advanced wildfire risk model allows us to **more precisely pinpoint the areas where we should focus** our system hardening and wildfire risk reduction efforts.



As a result of the new wildfire risk model, **customers and communities will see a shift in where we are prioritizing** our wildfire safety work in the coming years.



The shift in our work is a **direct result of the improved risk modeling technology** now available, providing a safer system to all of our customers across our service area.



Local System Hardening – South Bay/Central Coast Region

We are installing stronger poles, covered power lines and conducting targeted undergrounding to further reduce wildfire risks.

Our systemwide hardening work in 2021 will occur across **180 distribution circuit miles** in locations facing the highest wildfire risk.

System hardening will:

- Enhance long-term safety, especially during times of high fire-threat
- Improve reliability during winter
- In certain cases, reduce PSPS event impacts

Local work plans are subject to change and data is based on the best available information at this time.

COUNTY	 COMPLETE THROUGH 2020	 2021 PLANNED
Monterey	4 LINE MILES	0 LINE MILES
San Benito	0 LINE MILES	0 LINE MILES
San Luis Obispo	3 LINE MILES	4 LINE MILES
Santa Barbara	5 LINE MILES	0 LINE MILES
Santa Clara	13 LINE MILES	2 LINE MILES
Santa Cruz	24 LINE MILES	4 LINE MILES



Local Sectionalizing – South Bay/Central Coast Region

We’re installing new sectionalizing devices to limit the number of customers impacted during a PSPS event.

Our sectionalizing work in 2021 includes installing at least **250 new automated sectionalizing devices** in high fire-threat areas across our service area.

These sectionalizing devices separate the electric grid into smaller parts, allowing us to de-energize targeted areas during severe weather or fire conditions and improve efficiency.

Local work plans are subject to change and data is based on the best available information at this time.

COUNTY	 COMPLETE THROUGH 2020	 2021 PLANNED
Monterey	53 DEVICES	10 DEVICES
San Benito	12 DEVICES	0 DEVICES
San Luis Obispo	50 DEVICES	3 DEVICES
Santa Barbara	9 DEVICES	0 DEVICES
Santa Clara	65 DEVICES	13 DEVICES
Santa Cruz	28 DEVICES	19 DEVICES

Substation Microgrids – Systemwide

In 2020, PG&E prepared 60 substation microgrids to receive temporary generation during PSPS events. Since then, we have continued to make improvements to weather modeling, grid operations and overall system resiliency.

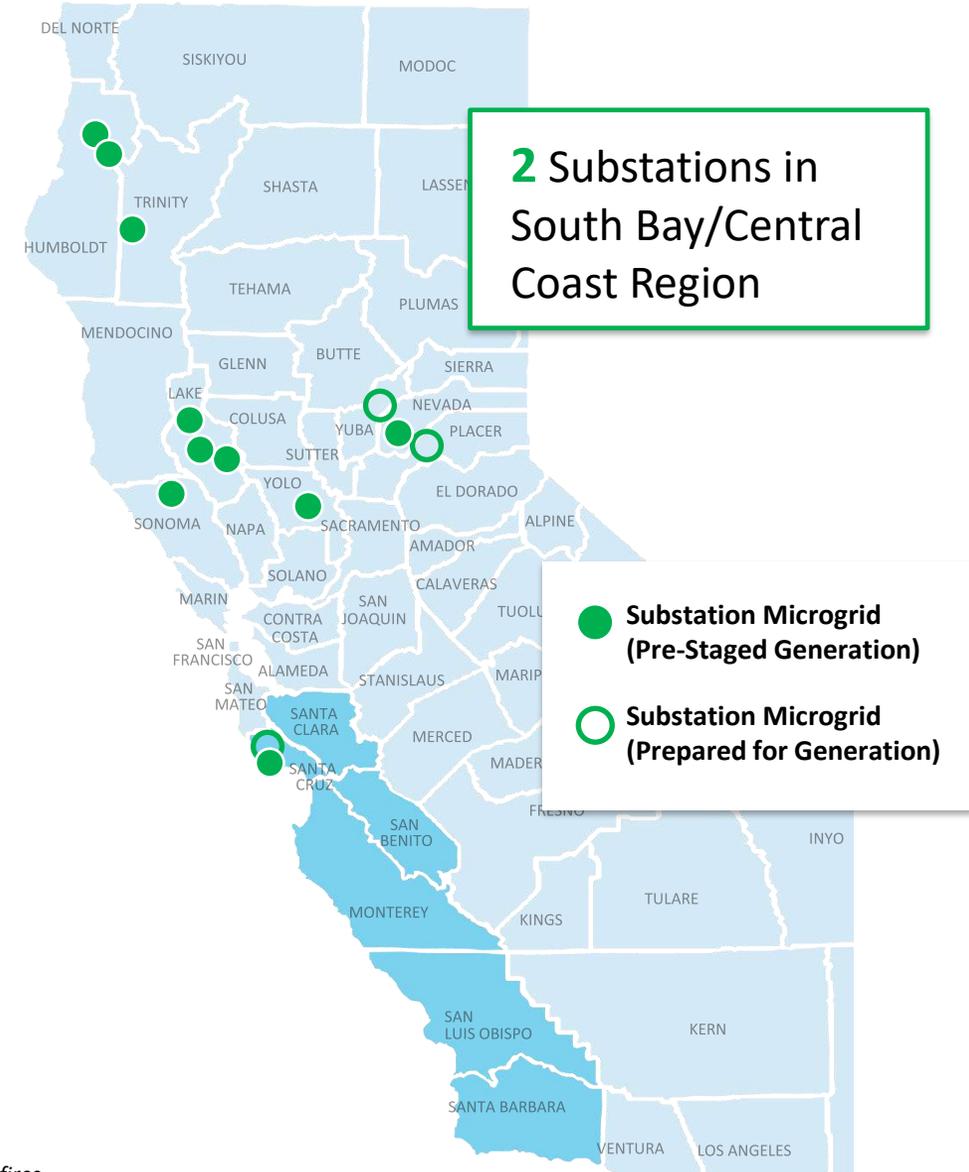


As a result of these improvements, **many of the substation microgrids prepared for temporary generation in 2020 are now significantly less likely to experience a PSPS related outage.**



In 2021, we plan to **pre-interconnect and test generation at 10 substation microgrids**, and we will also develop energization plans for three additional substation microgrids to allow them to more quickly receive generation if needed.

Local work plans are subject to change and data is based on the best available information at this time.





Systemwide Grid Resilience Efforts

To help prevent wildfires and reduce the number of customers affected by PSPS, we are deploying new technology and investing in a stronger, more flexible grid. The following are some of the programs that will help keep the lights on for customers and key community resources during a PSPS event.

Program	Description	2020 Sites	New 2021 Sites
Distribution Microgrids	Microgrids prepared to energize “main street” corridors, central community resources, and critical facilities in areas that frequently experience PSPS events.	7*	5**
Remote Grids	Remote Grids use a combination of solar power, battery storage and propane generation to provide energy to customers independent from the larger electric grid.	0	1***
Islanding Locations	Reconfiguration of local generation sources to allow certain areas to be separated from the larger electric grid and remain energized during PSPS events.	6	0

*Included 3 complete microgrids and 4 temporarily completed microgrids that will require additional work in 2021.

**Represents 5 new microgrids to be completed in 2021; note that additional sites are also in development (see appendix for details).

***Additional remote grids also under consideration (see appendix for details).

Local work plans are subject to change and data is based on the best available information at this time.



Grid Resilience Efforts – South Bay/Central Coast Region

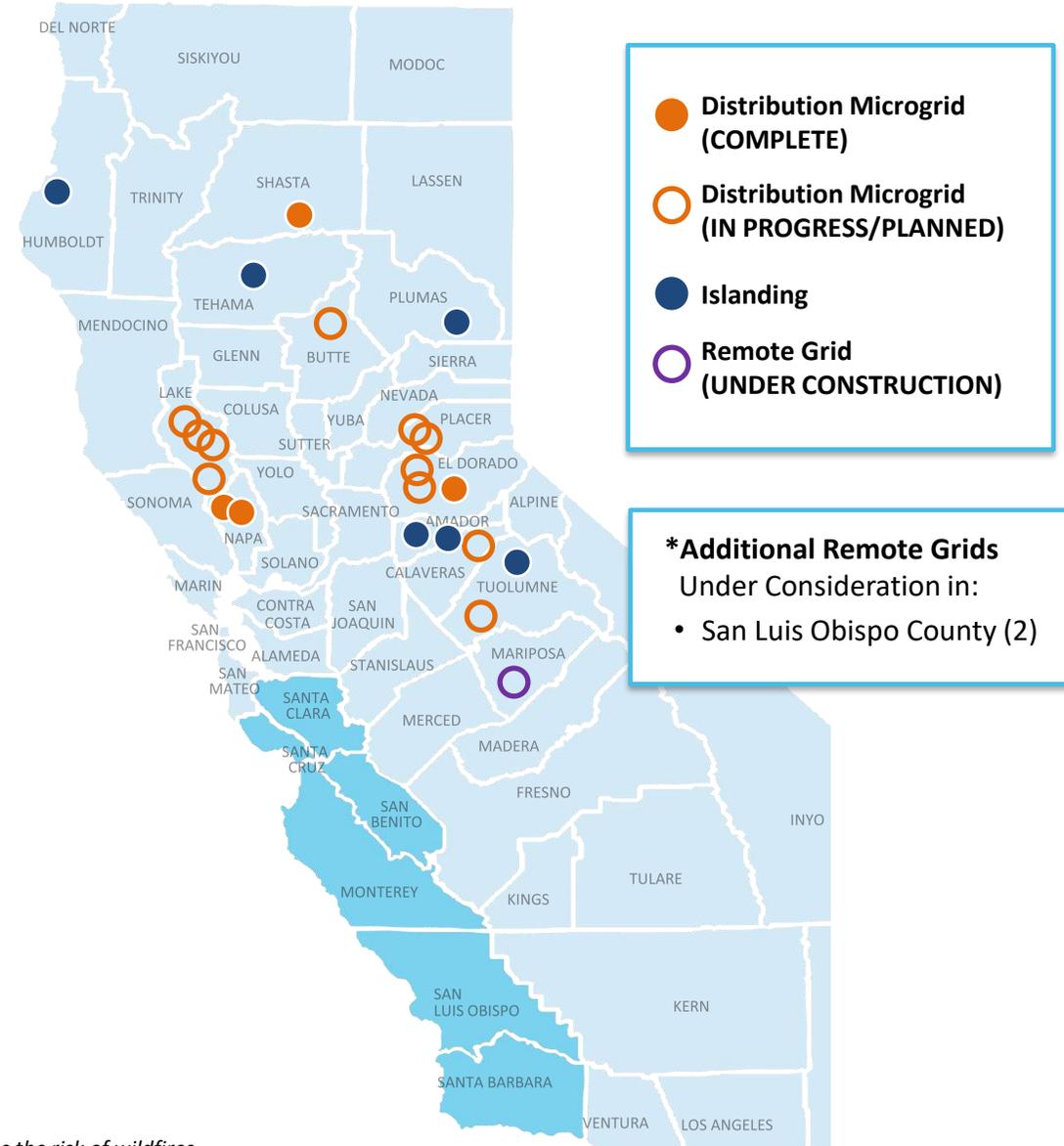
COUNTY	COMPLETE THROUGH 2020	2021 PLANNED
San Luis Obispo	0 LOCATION	2* LOCATIONS

Note: Additional microgrid work is not currently planned in this region.

PG&E is prioritizing its wildfire safety work by locations with the highest risk of wildfire and locations that will reduce PSPS impacts for the most customers.

Additional work is being planned for 2022 and beyond to make our system safer and more resilient.

Local work plans are subject to change and data is based on the best available information at this time.



Community Microgrid Enablement Program (CMEP)

A community microgrid is an electric system that serves multiple customers and can operate independently from the central energy grid. If you're interested in exploring if a microgrid may be a fit for your community, we can help.

Our new CMEP program helps communities plan and implement their own microgrid projects. This can include **technical expertise** and **potentially, one-time cost offsets**.

To qualify for this program, microgrid projects must meet the following criteria:

- ✓ Serve areas that have **experienced a past PSPS event**, or are in a high fire-threat district or an area prone to outages
- ✓ Priority will be given to projects in **disadvantaged and vulnerable communities**
- ✓ Serves **one or more critical facilities** plus at least one additional customer
- ✓ **Be supported by local governments and stakeholders**

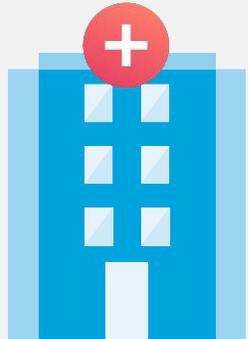
Learn more at

pge.com/resilience



Other Backup Generation Resources

To help mitigate PSPS impacts, PG&E will continue securing temporary generation sources prior to wildfire season to allow us to keep the lights on and provide resources to customers and communities during PSPS events.



Ad Hoc Backup Power Support

As a last resort, backup generation may be available for critical facilities, including but not limited to hospitals, transportation corridors, and water/sewage facilities.



Community Resource Centers

To allow customers to charge cell phones, laptops and small medical devices during a PSPS event.



PG&E will only deploy ad hoc backup power support where there is a high risk to public safety, environmental hazard or essential response facilities. PG&E is not a primary source of backup power for customers during PSPS events. Customers are encouraged to continue to take steps to prepare for the possibility of future PSPS events, including securing backup power if appropriate and possible.



CFILC Disability Disaster Access and Resources Program (DDARP)

PG&E is collaborating with the California Foundation for Independent Living Centers (CFILC) to provide qualifying customers with targeted outreach, personalized emergency planning support, energy needs assessments and in-event PSPS support. In-event support can include the following support based on customer needs:



Response to Escalations

received through PG&E's call center



Hotel Accommodations



Accessible Transportation

to hotels and Community Resource Centers



Food Vouchers



Gas Cards for generator fuel



Portable Batteries

During 2020 PSPS events, the following resources were provided:

~1,700 customers assessed

~1,000 batteries provided

~560 hotel vouchers provided

~900 food vouchers provided

~30 accessible transit rides provided

Data is subject to change and is based on best available information at this time.

Learn more about DDARP by visiting

DisabilityDisasterAccess.org

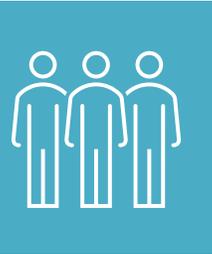
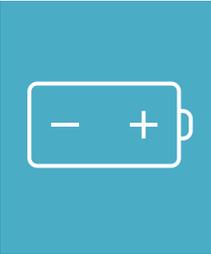




Portable Battery Program

PG&E is also conducting PSPS emergency preparedness outreach and energy needs assessments to support low-income Medical Baseline customers in high fire-threat areas with critical medical equipment and delivering fully subsidized portable battery solutions to eligible customers.

To date, this program has included the following:

	Establishing relationships with seven external battery delivery partners		Assessing over 8,800 customers
	Providing outreach to ~22,000 customers		Providing over 5,550 batteries to customers



Generator Rebate Program

Launched in late 2020, this program provides customers who depend on a well water pump and live in high fire-threat areas with a single rebate for purchasing a qualified portable power generator.

Program Offerings:



\$300 rebate for eligible customers and a **\$500 rebate** for eligible customers who are also participants in the CARE/FERA program.



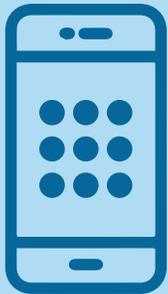
Rebates are offered through PG&E's backup power marketplace located at pge.com/backuppowers and over 100 customers have already taken advantage of the rebate.

Learn more about PG&E's Generator Rebate Program by visiting

pge.com/backuppowers



Insert your questions or feedback into the chat function.



Ask your question or provide your feedback verbally by unmuting your line.



Are there programs we have discussed today that you would like to explore for your community?



Has your agency/ organization explored any resiliency efforts you would like to share with the group?

Public Safety Power Shutoff Microgrid Communications



In-Event Notification/Information Tools for Microgrids

During a PSPS event, we will inform agencies and customers that they will receive temporary generation through the following channels:



Notifications/Calls



Tools and Data

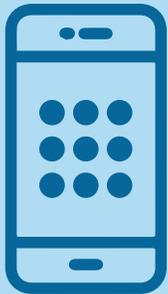


Support

	Notifications/Calls	Tools and Data	Support
Agencies	<ul style="list-style-type: none"> Ongoing coordination with Assigned Agency Representative Operational Area Cooperators Call 	<ul style="list-style-type: none"> Situation Report PSPS Portal 	Assigned Agency Representative
Critical Customers	Standard customer notifications with temporary power specific information, when applicable	Critical facilities that are Public Safety Partners receive: <ul style="list-style-type: none"> Situation Report PSPS Portal 	Assigned Account Representative or PG&E Operational Emergency Center Customer Strategy Officer, if applicable
Residential Customers	Standard customer notifications with temporary power specific information, when applicable	PG&E Emergency Web Address Lookup Tool (all customers)	PG&E Call Center



Insert your questions or feedback into the chat function.



Ask your question or provide your feedback verbally by unmuting your line.



What information would you like to see included in communications during an event around temporary generation, resiliency or backup power?

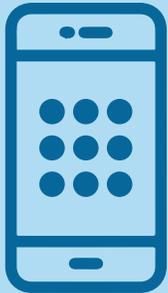
Grid Resilience Planning Session

Regional Co-Moderator





Insert your questions or feedback into the chat function.



Ask your question or provide your feedback verbally by unmuting your line.



Are there resilience subjects you would like us to cover in future Regional Working Group meetings?



What resilience efforts are most important to your community?

Next Steps

- 
Meeting survey shared with participants to gather feedback on approach and content of regional working group

- 
Follow-up on items identified by local agencies/stakeholders

- 
Upcoming meetings
 - Wildfire Safety Working Sessions (WSWS)
 - Safety Town Halls
 - Regional Webinars
 - Future Regional Working Group Meetings

2021 REGIONAL WORKING GROUP CALENDAR	
TIMING	PROPOSED TOPICS
Q1 2021	<ul style="list-style-type: none"> • Electric grid resiliency solutions • Microgrids and temporary generation • PSPS planning and preparedness
Q2 2021	<ul style="list-style-type: none"> • PSPS and Wildfire Safety
Q3 2021	<ul style="list-style-type: none"> • PSPS weather and climatology analysis • Local reliability statistics • Microgrids and temporary generation • PSPS outage scenarios
Q4 2021	<ul style="list-style-type: none"> • PSPS and Wildfire Safety

Thank You



Appendix





Status of Planned/Upcoming Resilience Efforts – Systemwide

Program	County	Site Name/Area	Status	Estimated Completion
Substation Microgrids	Humboldt	Hoopa	Planning	August 1, 2021
	Humboldt	Willow Creek	Planning	August 1, 2021
	Lake	Clear Lake	Planning	August 1, 2021
	Lake	Hartley	Planning	August 1, 2021
	Lake	Konocti	Planning	August 1, 2021
	Nevada	Brunswick	Planning	August 1, 2021
	Placer	Weimar	Planning	August 1, 2021
	Santa Cruz	Big Basin	Planning	August 1, 2021
	Santa Cruz	Point Moretti	Planning	August 1, 2021
	Sonoma	Cloverdale	Planning	August 1, 2021
	Trinity	Low Gap	Planning	August 1, 2021
	Yolo	Plainfield	Planning	August 1, 2021
	Yuba	Dobbins	Planning	August 1, 2021
Distribution Microgrids	Butte	Magalia	Construction	Q2 2021
	Calaveras	Arnold	Construction	Q3 2021
	El Dorado	Georgetown	Planning	Q2 2021
	El Dorado	Placerville	Temp. Complete 2020 – Addl. Enhancements in 2021	Q4 2021
	El Dorado	Pollock Pines	Complete	N/A
	Lake	Clearlake North	Temp. Complete 2020 – Addl. Enhancements in 2021	Q4 2021
	Lake	Clearlake South	Planning	Q3 2021

Local work plans are subject to change and data is based on the best available information at this time.



Status of Planned/Upcoming Resilience Efforts – Systemwide

Program	County	Site Name/Area	Status	Estimated Completion
Distribution Microgrids (cont.)	Lake	Lucerne	Planning	Q3 2021
	Lake	Middletown	Planning	Q2 2021
	Napa	Angwin	Complete	N/A
	Napa	Calistoga	Complete	N/A
	Placer	Colfax	Temp. Complete 2020 – Addl. Enhancements in 2021	Q4 2021
	Placer	Foresthill	Planning	Q3 2021
	Shasta	Shingletown	Complete	N/A
	Tuolumne	Groveland	Planning	Q3 2021
Remote Grids	El Dorado	El Dorado	Planning	Q1 2022
	Mariposa	Mariposa 1	Construction	Q2 2021
	Mariposa	Mariposa 2	Planning	Q1 2022
	Mariposa	Mariposa 3	Planning	Q1 2022
	San Luis Obispo	San Luis Obispo 1	Design & Permitting	Q2 2022
	San Luis Obispo	San Luis Obispo 2	Design & Permitting	Q2 2022
	Tulare	Tulare	Planning	Q2 2022
	Tehama	Tehama	Planning	Q1 2022
Islanding	Amador/Calaveras	Salt Springs Island	Complete	N/A
	Amador/Calaveras	West Point Island	Complete	N/A
	Humboldt	Humboldt Bay Island	Complete	N/A
	Plumas	Caribou Island	Complete	N/A
	Tehama	Red Bluff Island	Complete	N/A
	Tuolumne	Spring Gap Island	Complete	N/A

Local work plans are subject to change and data is based on the best available information at this time.

Some of the measures included in this presentation are contemplated as additional precautionary measures intended to further reduce the risk of wildfires.



Customer Support Resources in South Bay/Central Coast Region

South Bay/Central Coast Region Community-Based Organizations

CFILC

- Central Coast Center for Independent Living (CCCIL)
- Independent Living Resource Center (ILC)
- Silicon Valley Independent Living Center (SVILC)

Food Banks

- Community Food Bank of San Benito County
- Second Harvest Food Bank of Silicon Valley
- Second Harvest Food Bank of Santa Cruz County
- San Luis Obispo Food Bank

Meals on Wheels

- Community Bridges
- Meals on Wheels Monterey Peninsula

In-Language

- ABS-CNB
- Alianza News
- Centro Binacional Para el Desarollo Indigena Oaxaqueno
- KBTV – Crossings TV
- KDTV Univision
- KIQI Radio
- KRON4.2 – Skylink TV
- KSFN – News for Chinese Radio
- KSJZ – Korean American Radio
- KTSF-TV
- KTVO – Sing Tao Radio
- KZSF Radio
- Mixteco Indigena Community Organizing Project
- PAMA One Radio
- Radio Lazer Sacramento
- Radio Lazer SJ (KXZM 93.7 FM)
- Radio Bilingue (Non-Profit)
- Radio Campesina (Non-Profit)
- Russian American Media
- Saigon Radio
- Sound of Hope Radio Network

Additional Partnership Opportunities

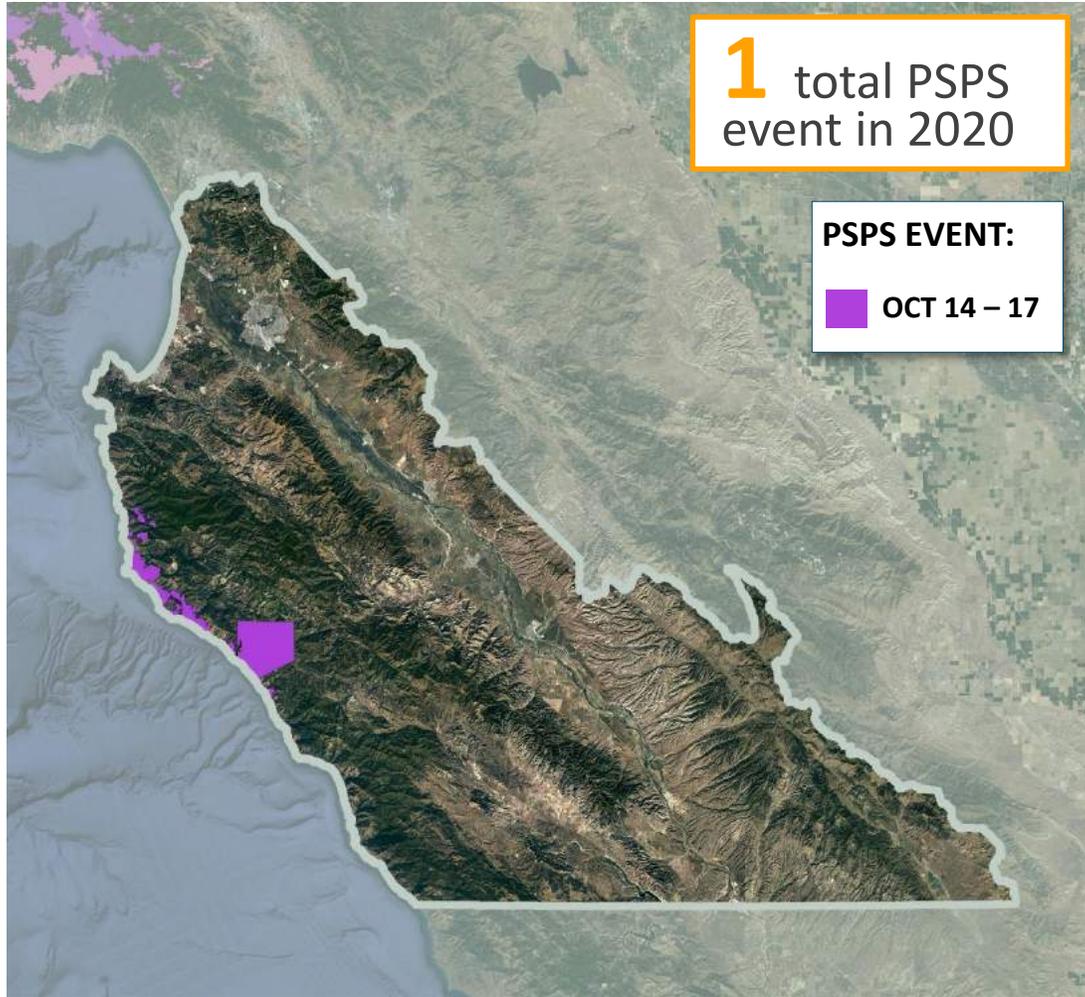
Organization	County
Monterey Food Bank	Monterey
San Luis Obispo Food Bank	San Luis Obispo



Local partnership request: Can you help us get in touch with these agencies?



PSPS Event Overview Monterey County



Event Details

OCT
14 - 17



CUSTOMERS IMPACTED

634



COMMUNITY RESOURCE CENTERS OPEN

2



PEAK WIND GUSTS

23
MPH



DAMAGE/HAZARDS

1



AVG. RESTORATION TIME

5
HRS



TOTAL AVG. OUTAGE DURATION

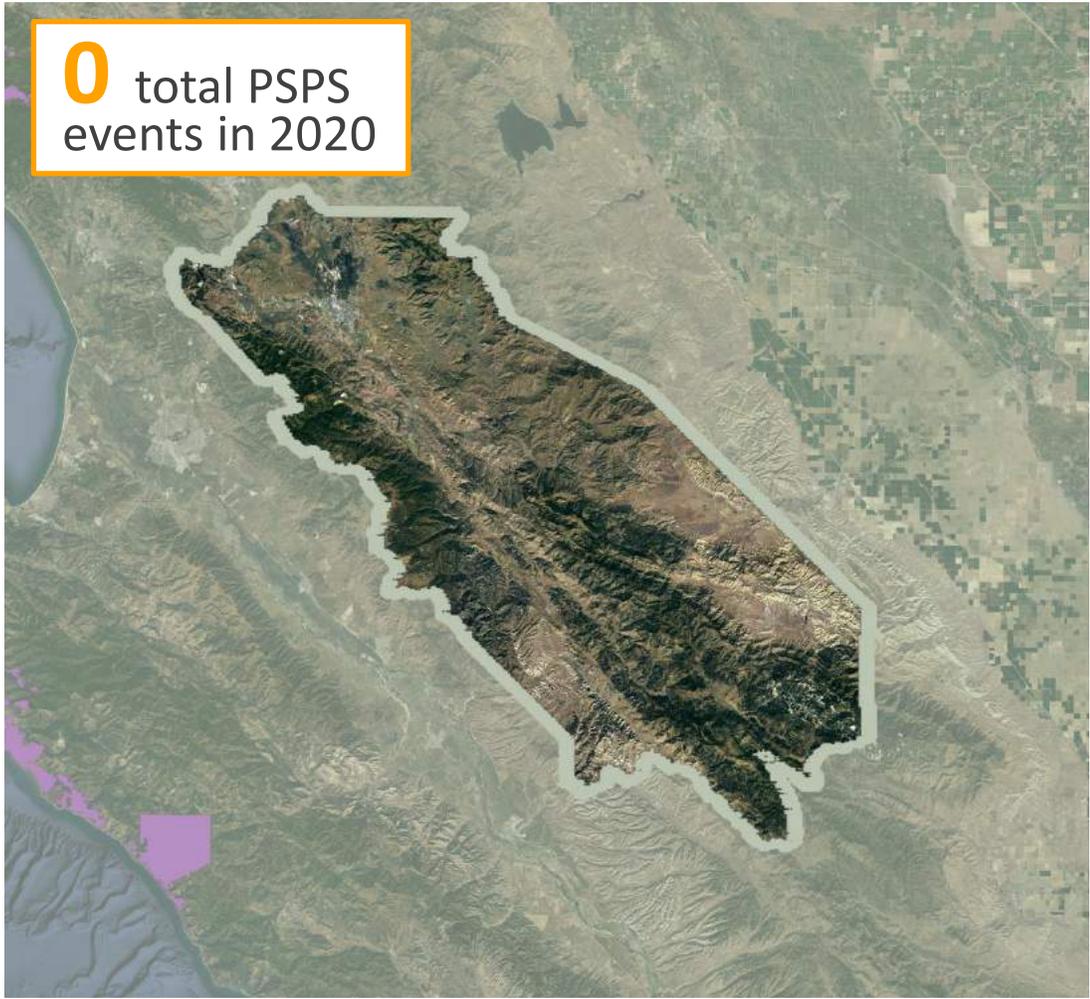
17
HRS

Note: PSPS impact areas are approximate

*PG&E's EOC was activated while monitoring a potential wind event on 12/7 but ultimately did not de-energize



PSPS Event Overview San Benito County



San Benito County did not experience a PSPS Event in 2020



PSPS Event Overview San Luis Obispo County



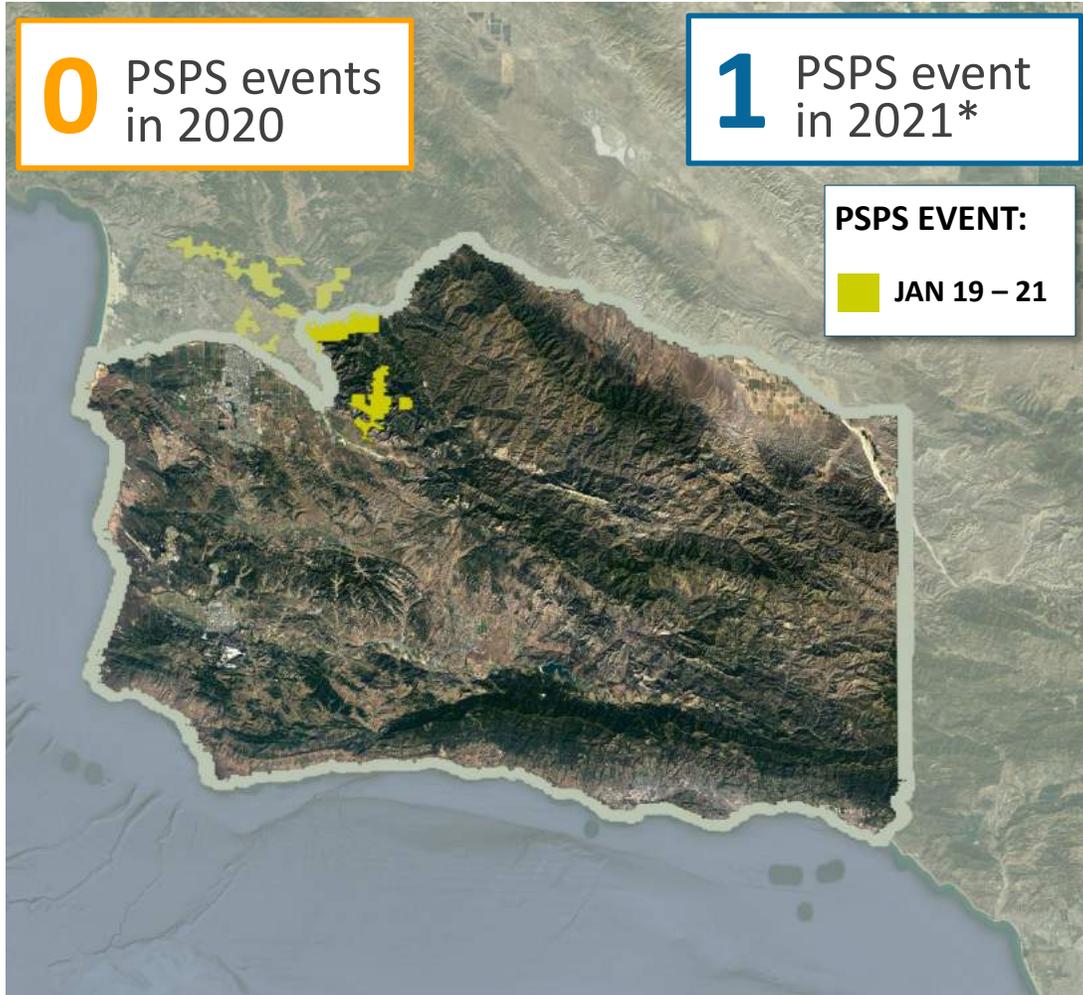
Event Details

2021
JAN
19 – 21

	CUSTOMERS IMPACTED	154
	COMMUNITY RESOURCE CENTERS OPEN	1
	PEAK WIND GUSTS	67 MPH
	DAMAGE/HAZARDS	0
	AVG. RESTORATION TIME	6 HRS
	TOTAL AVG. OUTAGE DURATION	26 HRS

Note: PSPS impact areas are approximate

*San Luis Obispo County experienced 0 PSPS events in 2020. This data and map reflect the Jan 2021 event.



Note: PSPS impact areas are approximate

Event Details

2021
JAN
19 – 21

	CUSTOMERS IMPACTED	287
	COMMUNITY RESOURCE CENTERS OPEN	1
	PEAK WIND GUSTS	58 MPH
	DAMAGE/HAZARDS	0
	AVG. RESTORATION TIME	5 HRS
	TOTAL AVG. OUTAGE DURATION	26 HRS

*Santa Barbara County experienced 0 PSPS events in 2020. This data and map reflect the Jan 2021 event.

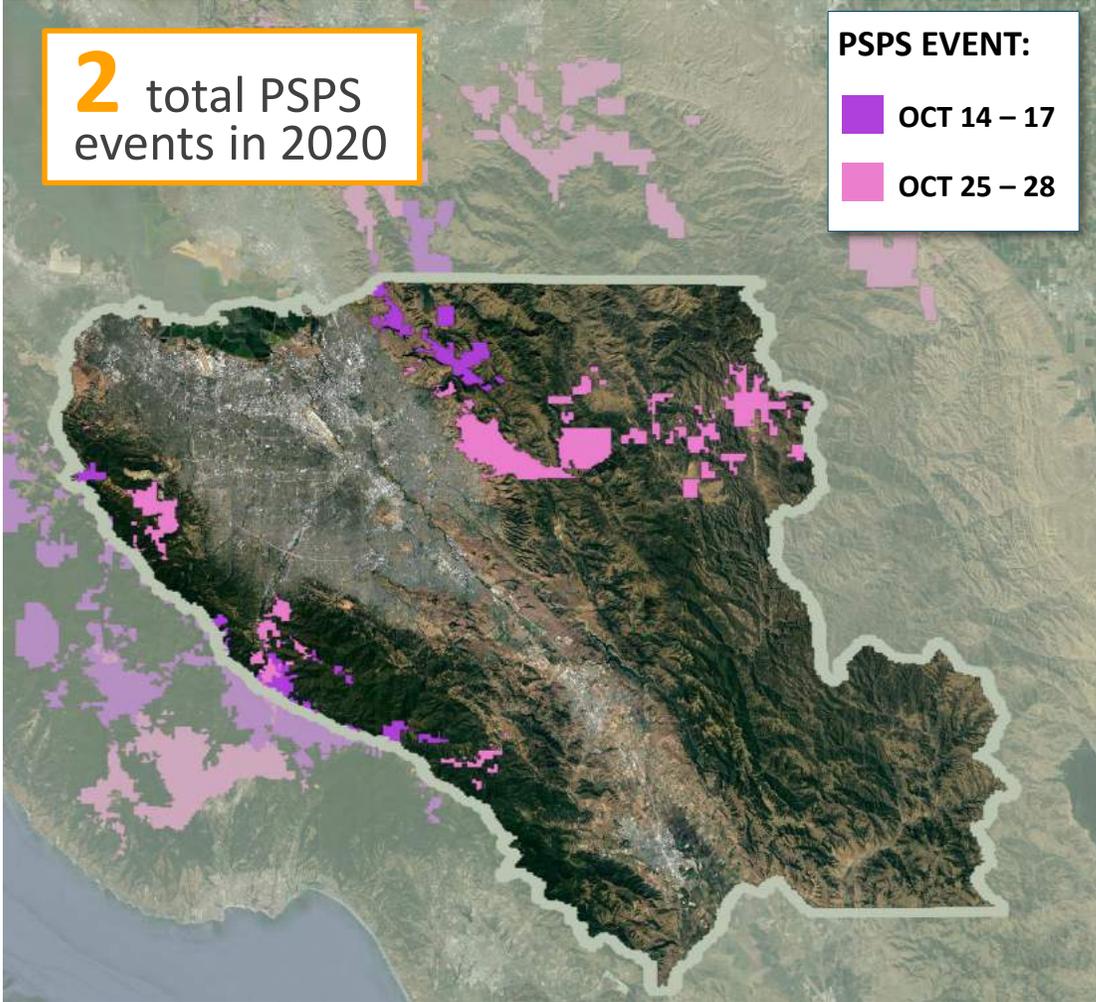


PSPS Event Overview Santa Clara County

2 total PSPS events in 2020

PSPS EVENT:

- OCT 14 – 17
- OCT 25 – 28



Note: PSPS impact areas are approximate and may overlap

Event Details



CUSTOMERS IMPACTED



COMMUNITY RESOURCE CENTERS OPEN



PEAK WIND GUSTS



DAMAGE/HAZARDS



AVG. RESTORATION TIME



TOTAL AVG. OUTAGE DURATION

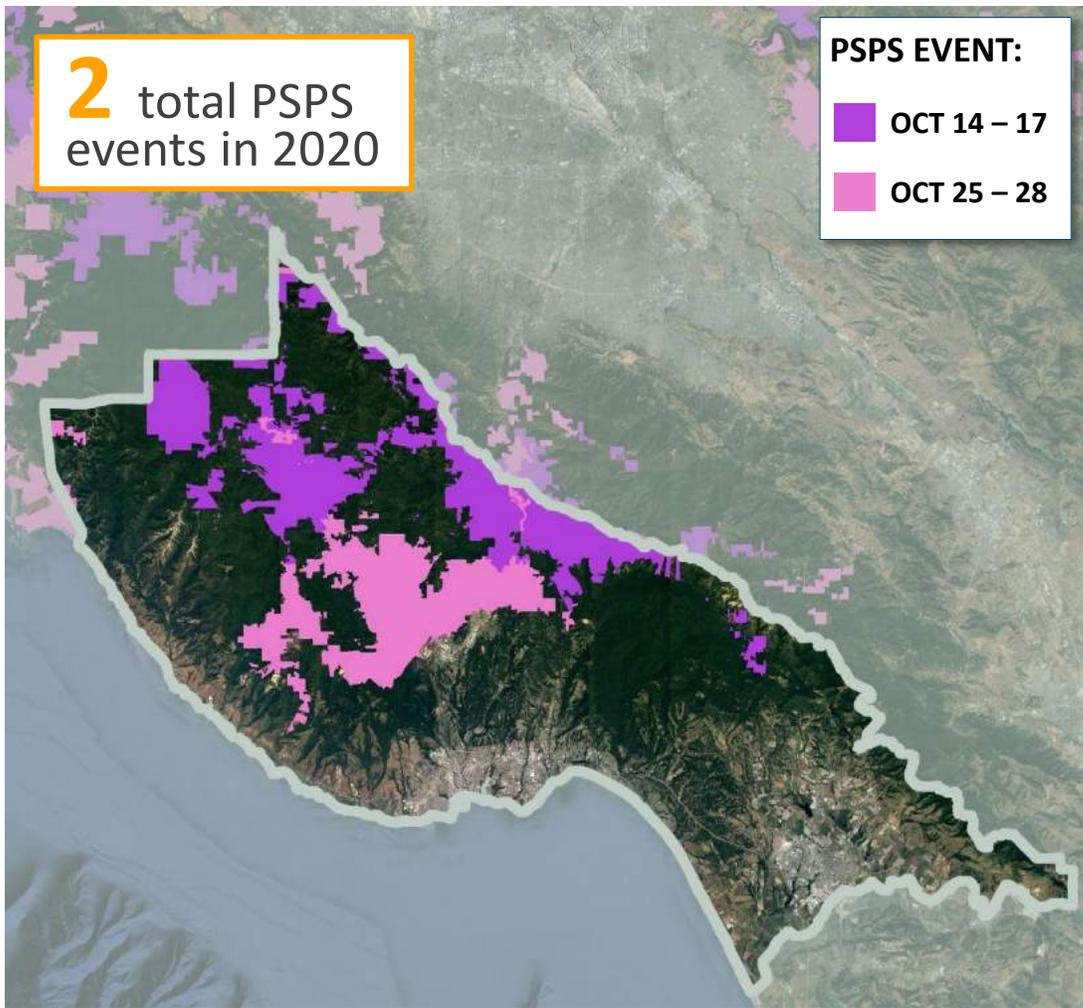
OCT
14 – 17

OCT
25 – 28

	OCT 14 – 17	OCT 25 – 28
CUSTOMERS IMPACTED	2,213	4,173
COMMUNITY RESOURCE CENTERS OPEN	1	2
PEAK WIND GUSTS	53 MPH	65 MPH
DAMAGE/HAZARDS	3	1
AVG. RESTORATION TIME	8 HRS	12 HRS
TOTAL AVG. OUTAGE DURATION	23 HRS	28 HRS



PSPS Event Overview Santa Cruz County



Note: PSPS impact areas are approximate and may overlap

Event Details

	OCT 14 – 17	OCT 25 – 28
 CUSTOMERS IMPACTED	1,677	13,846
 COMMUNITY RESOURCE CENTERS OPEN	4	4
 PEAK WIND GUSTS	34 MPH	60 MPH
 DAMAGE/HAZARDS	7	11
 AVG. RESTORATION TIME	8 HRS	15 HRS
 TOTAL AVG. OUTAGE DURATION	23 HRS	30 HRS

Community Wildfire Safety Program

REGIONAL WORKING GROUP

Sierra Region

March 24, 2021



Virtual Sign-In Reminder

Please “sign-in” using the chat function and provide your **name, organization and email.**



Safety

General Safety Tip | New PSPS Address Alerts

We are introducing an important new notification tool: **PSPS Address Alerts**. These alerts can help you prepare and stay safe. Customers and non-account holders can be alerted in multiple languages about a potential PSPS event at any address that is important to them. Notifications will be by call and text.

Sign up for addresses that you care about, such as:

- ✓ Your work or business
- ✓ Your child's school or daycare
- ✓ The home of a friend or loved one



Learn more at

pge.com/addressalerts





Agenda

DISCUSSION TOPICS:

- 1 Safety and Introductions**
- 2 Meeting Purpose and Background**
- 3 Public Safety Power Shutoff (PSPS) Update**
- 4 Grid Overview and Local Resilience Efforts**
- 5 PSPS Temporary Power Communications**
- 6 Grid Resilience Planning Session**
- 7 Open Discussion/Q&A**

PRESENTERS:

Jim Monninger | Senior Manager Local Customer Experience and Division Lead

Sarah Rasheed | Local Public Affairs

Mike Weaver | Public Safety Specialist

Reno Franklin | Tribal Liaison

Jon Stallman | Grid Resilience Planning and Innovations

Molly Hoyt | Community Microgrid Enablement Program



Virtual Sign-In Reminder

Please “sign-in” using the chat function and provide your **name, organization and email.**

WORKING GROUP PARTICIPANTS:

- ❑ County Offices of Emergency Services
- ❑ City Government Representatives
- ❑ Tribal Representatives
- ❑ Access and Functional Needs Representatives
- ❑ Community Based Organizations
- ❑ Community Choice Aggregators
- ❑ First Responders
- ❑ Telecommunications Providers
- ❑ Health and Human Services Representatives
- ❑ Publicly Owned Electric Utilities
- ❑ Small, Multi-Jurisdictional Electric Utilities
- ❑ Water Agencies
- ❑ California Public Utilities Commission (CPUC) Staff
- ❑ Filsinger Energy Partners
- ❑ PG&E

Meeting Purpose and Background

Regional Working Groups provide a forum for communities impacted by Public Safety Power Shutoff events and PG&E to share lessons learned and discuss wildfire mitigation progress. These meetings address requirements from both the CPUC's [PSPS Phase II Decision](#) and [Microgrid OIR](#).

Meeting Purpose:

- **Highlight feedback received** from agencies, tribes and other stakeholders
- **Discuss planned and ongoing grid improvements** including system hardening, sectionalizing and other resilience efforts
- **Review local resilience projects and resources** available to agencies and customers
- **Provide an overview of the in-event notification** process for temporary power
- **Coordinate with regional stakeholders** on local resilience efforts and make PG&E subject matter experts available to answer questions

A summary of the feedback gathered here today and results from a post-meeting survey, will be made public and shared with the CPUC.



Public Safety Power Shutoff (PSPS) Program





2020/2021 Post-Event Outreach and Feedback

Following this past year's PSPS events, PG&E engaged with agency/Tribal leaders, public safety partners and customers to listen, gather feedback and identify areas for improvement.

Regional Working Groups	Post-event Surveys	PSPS Listening Sessions	PSPS Advisory Committee	Customer Outreach
Quarterly meetings held in five geographic regions (Bay Area, South Bay/Central Coast, Central Valley, Sierra, North Coast)	Surveys sent to impacted county, city and Tribal governments following PSPS events	Meetings with county and Tribal emergency managers, local governments and public safety partners	Ongoing, ad hoc meetings with targeted group of county, Tribal and state agency representatives	Feedback provided from customers via surveys, focus groups, Contact Center calls, online forums and social media
5 meetings in Q4 2020	34 survey responses	41 meetings complete	8 meetings complete	~9,900 customers

Feedback from 2020/2021 PSPS Events

Our customers and communities recognized the improvements we made this PSPS season. While our processes improved compared to last year, we must continue to do better.



What we've heard from our customers:

- Approx. 60% of customers say PG&E's handling of PSPS has improved compared to the previous year
- Users of pge.com noted an improved experience and availability of information
- Customers also noted experiencing inaccurate or inconsistent information in some cases
- Customers want more accurate restoration times
- Customers lose time and money due to PSPS
- Medical Baseline customers want additional support and information



What we've heard from our communities:

- Significant improvement in PSPS execution in 2020, noting scope reductions were impactful
- Provide more consistent, timely and accurate info on the PSPS Portal and other channels
- Build on partnerships with CBOs and explore other resource offerings
- Continue engagement around Community Resource Centers
- Increase coordination with telecom providers
- Requests for additional mitigation and temporary generation information and support

2021 Key PSPS Focus Areas

We continue to evolve our wildfire safety and PSPS programs based on lessons learned, new data and feedback received from our customers and communities.

Customer Preparedness and Support

- Enhance and expand **CBO partnerships** and improve in-event coordination
- Drive greater participation in **battery programs to help vulnerable and frequently impacted customers**
- Further refinement of event **notification content and timing**
- Refine **Community Resource Centers**
- Continue to **host webinars, open houses and safety town halls** to gather feedback, share information and drive preparedness

Agency/Tribal Outreach and Support

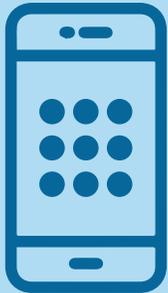
- Continue to **improve information sharing during an event** (i.e., PSPS Portal, situation report, etc.)
- Conduct **trainings and exercises** to help public safety partners prepare
- Ongoing **engagement and coordination with cities, counties and tribes** through Regional Working Groups, advisory committees, working sessions and direct outreach
- Share **information about local wildfire safety projects** and grid resiliency

Operational Improvements

- Ongoing systemwide improvements to **reduce scope and duration**
- Continue to **refine and improve PSPS decision-making**, scoping process and tools
- Enhance **data quality, accuracy and reporting** capabilities
- **Drive greater consistency in information sharing** across all channels during an event
- Additional **training and support** for EOC staff to ensure in-event readiness
- Develop **longer-term program plan** and potential asset-based solutions



Insert your questions or feedback into the chat function.



Ask your question or provide your feedback verbally by unmuting your line.



How are lessons learned from 2020 affecting your 2021 planning efforts?



Are there additional tools/resources your agency needs?



Do you have any additional PSPS Program feedback?

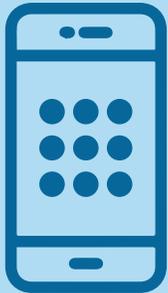
Grid Overview and Local Resilience Efforts

Grid Flyover





Insert your questions or feedback into the chat function.



Ask your question or provide your feedback verbally by unmuting your line.



What areas of your local grid would you like more information about?

How We're Prioritizing Our Wildfire Safety Work



To ensure we are addressing the highest wildfire risk areas, **we have implemented the latest wildfire risk model available** to maximize the safety of our customers and the communities we serve.

What this means in your community:



This advanced wildfire risk model allows us to **more precisely pinpoint the areas where we should focus** our system hardening and wildfire risk reduction efforts.



As a result of the new wildfire risk model, **customers and communities will see a shift in where we are prioritizing** our wildfire safety work in the coming years.



The shift in our work is a **direct result of the improved risk modeling technology** now available, providing a safer system to all of our customers across our service area.



Local System Hardening – Sierra Region

We are installing stronger poles, covered power lines and conducting targeted undergrounding to further reduce wildfire risks.

Our systemwide hardening work in 2021 will occur across **180 distribution circuit miles** in locations facing the highest wildfire risk.

System hardening will:

- Enhance long-term safety, especially during times of high fire-threat
- Improve reliability during winter
- In certain cases, reduce PSPS event impacts

Local work plans are subject to change and data is based on the best available information at this time.

COUNTY	 COMPLETE THROUGH 2020	 2021 PLANNED
Alpine	0 LINE MILES	0 LINE MILES
Amador	14 LINE MILES	5 LINE MILES
Butte	93 LINE MILES	26 LINE MILES
El Dorado	56 LINE MILES	33 LINE MILES
Lassen	0 LINE MILES	0 LINE MILES
Nevada	36 LINE MILES	13 LINE MILES
Placer	3 LINE MILES	0 LINE MILES
Plumas	2 LINE MILES	0 LINE MILES
Shasta	46 LINE MILES	3 LINE MILES
Sierra	0 LINE MILES	0 LINE MILES
Sutter	0 LINE MILES	0 LINE MILES
Tehama	2 LINE MILES	3 LINE MILES
Yuba	0 LINE MILES	0 LINE MILES



Local Sectionalizing – Sierra Region

We’re installing new sectionalizing devices to limit the number of customers impacted during a PSPS event.

Our sectionalizing work in 2021 includes installing at least 250 new automated sectionalizing devices in high fire-threat areas across our service area.

These sectionalizing devices separate the electric grid into smaller parts, allowing us to de-energize targeted areas during severe weather or fire conditions and improve efficiency.

Local work plans are subject to change and data is based on the best available information at this time.

COUNTY	 COMPLETE THROUGH 2020	 2021 PLANNED
Alpine	0 DEVICES	0 DEVICES
Amador	9 DEVICES	26 DEVICES
Butte	13 DEVICES	22 DEVICES
El Dorado	22 DEVICES	17 DEVICES
Lassen	2 DEVICES	0 DEVICES
Nevada	20 DEVICES	5 DEVICES
Placer	33 DEVICES	0 DEVICES
Plumas	14 DEVICES	0 DEVICES
Shasta	26 DEVICES	12 DEVICES
Sierra	0 DEVICES	1 DEVICE
Sutter	0 DEVICES	0 DEVICES
Tehama	10 DEVICES	0 DEVICES
Yuba	5 DEVICES	0 DEVICES

Substation Microgrids – Systemwide

In 2020 PG&E prepared 60 substation microgrids to receive temporary generation during PSPS events. Since then, we have continued to make improvements to weather modeling, grid operations and overall system resiliency.

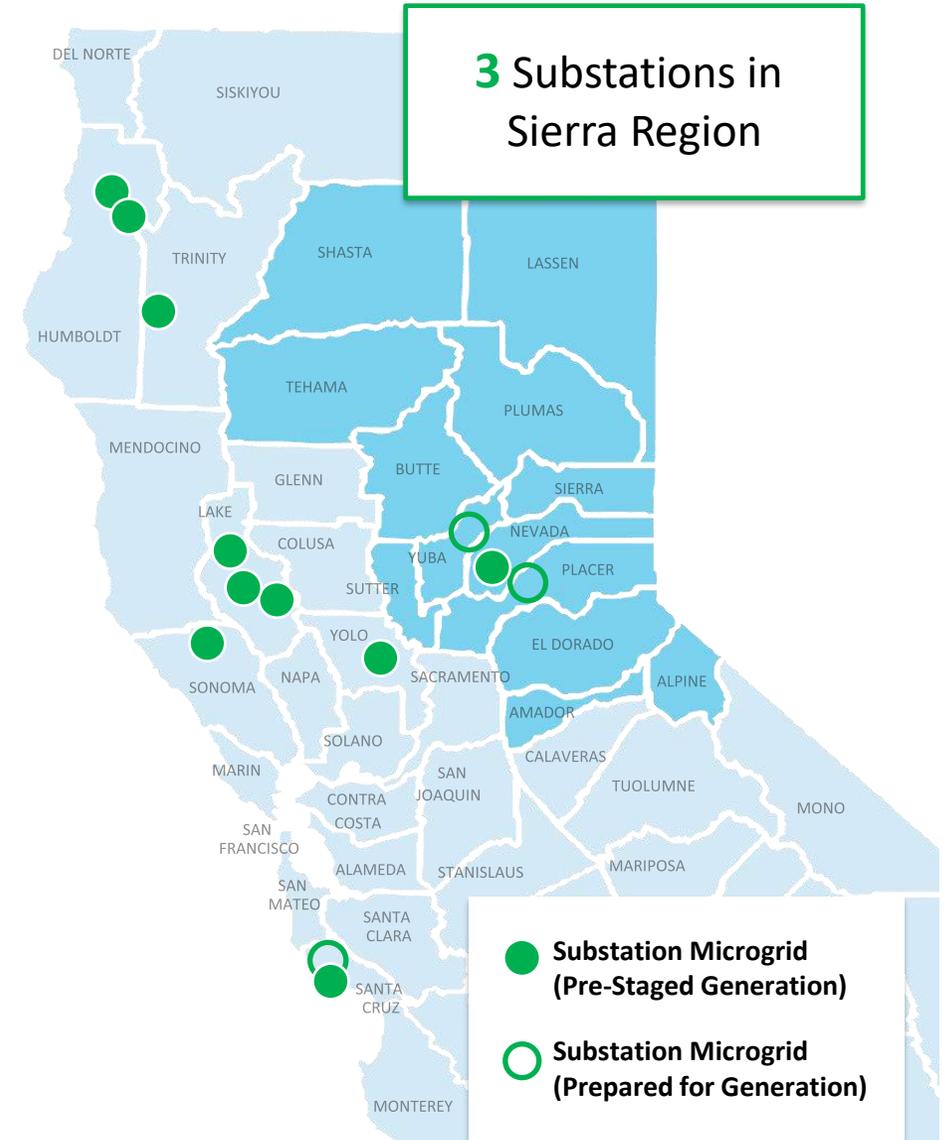


As a result of these improvements, **many of the substation microgrids prepared for temporary generation in 2020 are now significantly less likely to experience a PSPS related outage.**



In 2021, we plan to **pre-interconnect and test generation at 10 substation microgrids**, and we will also develop energization plans for three additional substation microgrids to allow them to more quickly receive generation if needed.

Local work plans are subject to change and data is based on the best available information at this time.





Systemwide Grid Resilience Efforts

To help prevent wildfires and reduce the number of customers affected by PSPS, we are deploying new technology and investing in a stronger, more flexible grid. The following are some of the programs that will help keep the lights on for customers and key community resources during a PSPS event.

Program	Description	2020 Sites	New 2021 Sites
Distribution Microgrids	Microgrids prepared to energize “main street” corridors, central community resources, and critical facilities in areas that frequently experience PSPS events.	7*	5**
Remote Grids	Remote Grids use a combination of solar power, battery storage and propane generation to provide energy to customers independent from the larger electric grid.	0	1***
Islanding Locations	Reconfiguration of local generation sources to allow certain areas to be separated from the larger electric grid and remain energized during PSPS events.	5	0

*Included 3 complete microgrids and 4 temporarily completed microgrids that will require additional work in 2021.

**Represents 5 new microgrids to be completed in 2021; note that additional sites are also in development (see appendix for details).

***Additional remote grids also under consideration (see appendix for details).

Local work plans are subject to change and data is based on the best available information at this time.



Grid Resilience Efforts – Sierra Region

COUNTY	COMPLETE THROUGH 2020	NEW 2021 SITES
Amador	1 LOCATION	0 LOCATIONS
Butte	0 LOCATIONS	1 LOCATION
El Dorado	1** LOCATION	2 LOCATIONS
Placer	1** LOCATIONS	1 LOCATIONS
Plumas	1 LOCATION	0 LOCATIONS
Shasta	1 LOCATION	0 LOCATIONS
Tehama	1 LOCATION	0 LOCATIONS

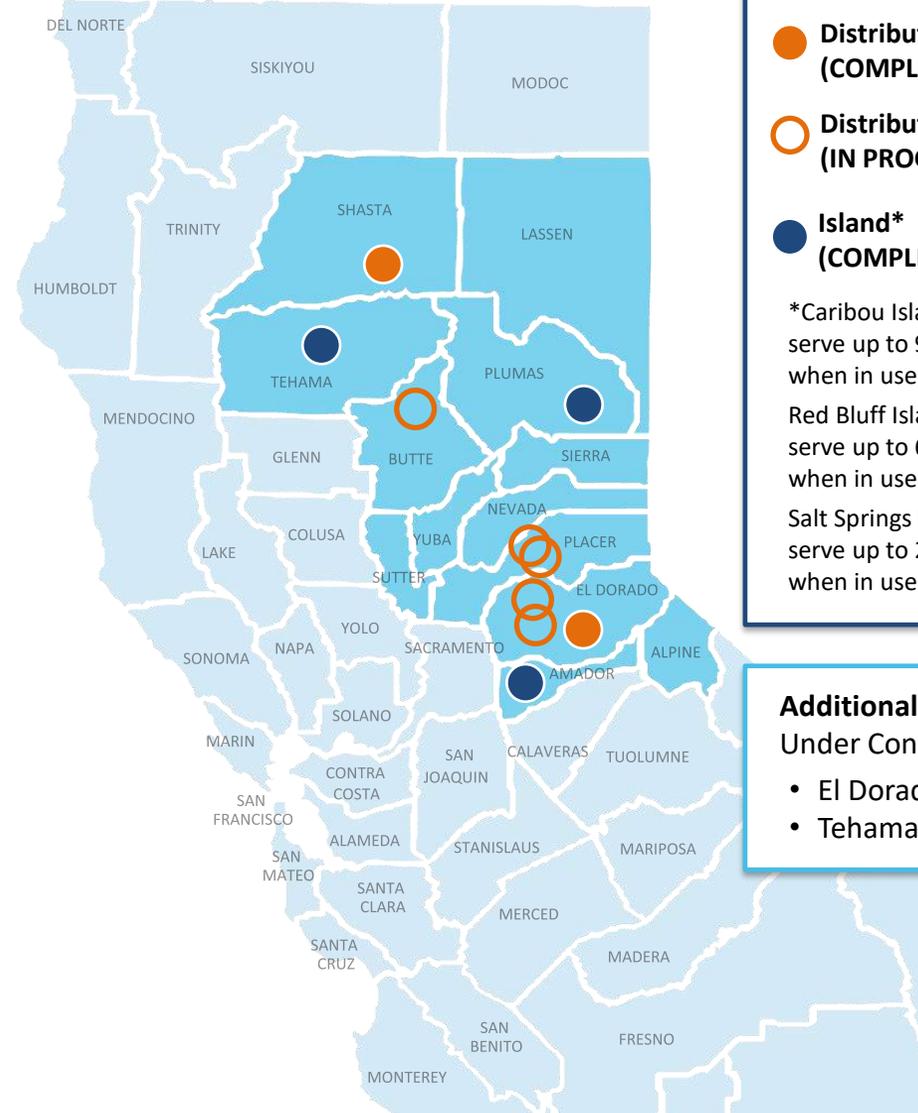
**Includes temporarily completed microgrids that will require additional work in 2021.

Note: Additional microgrid work is not currently planned in the remaining counties within the region.

PG&E is prioritizing its wildfire safety work by locations with the highest risk of wildfire and locations that will reduce PSPS impacts for the most customers.

Additional work is being planned for 2022 and beyond to make our system safer and more resilient.

Local work plans are subject to change and data is based on the best available information at this time.



- Distribution Microgrid (COMPLETE)
- Distribution Microgrid (IN PROGRESS/PLANNED)
- Island* (COMPLETE)

*Caribou Island (Plumas) can serve up to 9,600 customers when in use.
 Red Bluff Island (Tehama) can serve up to 6,000 customers when in use.
 Salt Springs Island (Amador) can serve up to 2,400 customers when in use.

Additional Remote Grids Under Consideration in:

- El Dorado County
- Tehama County

Community Microgrid Enablement Program (CMEP)

A community microgrid is an electric system that serves multiple customers and can operate independently from the central energy grid. If you're interested in exploring if a microgrid may be a fit for your community, we can help.

Our new CMEP program helps communities plan and implement their own microgrid projects. This can include **technical expertise** and **potentially, one-time cost offsets**.

To qualify for this program, microgrid projects must meet the following criteria:

- ✓ Serve areas that have **experienced a past PSPS event**, or are in a high fire-threat district or an area prone to outages
- ✓ Priority will be given to projects in **disadvantaged and vulnerable communities**
- ✓ Serves **one or more critical facilities** plus at least one additional customer
- ✓ **Be supported by local governments and stakeholders**

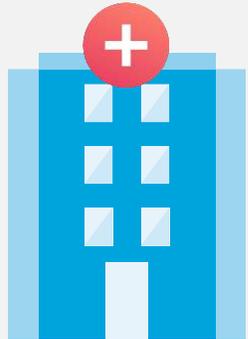
Learn more at

pge.com/resilience



Other Backup Generation Resources

To help mitigate PSPS impacts, PG&E will continue securing temporary generation sources prior to wildfire season to allow us to keep the lights on and provide resources to customers and communities during PSPS events.



Ad Hoc Backup Power Support

As a last resort, backup generation may be available for critical facilities, including but not limited to hospitals, transportation corridors, and water/sewage facilities.



Community Resource Centers

To allow customers to charge cell phones, laptops and small medical devices during a PSPS event.



PG&E will only deploy ad hoc backup power support where there is a high risk to public safety, environmental hazard or essential response facilities. PG&E is not a primary source of backup power for customers during PSPS events. Customers are encouraged to continue to take steps to prepare for the possibility of future PSPS events, including securing backup power if appropriate and possible.



CFILC Disability Disaster Access and Resources Program (DDARP)

PG&E is collaborating with the California Foundation for Independent Living Centers (CFILC) to provide qualifying customers with targeted outreach, personalized emergency planning support, energy needs assessments and in-event PSPS support. In-event support can include the following support based on customer needs:



Response to Escalations

received through PG&E's call center



Hotel Accommodations



Accessible Transportation

to hotels and Community Resource Centers



Food Vouchers



Gas Cards for generator fuel



Portable Batteries

During 2020 PSPS events, the following resources were provided:

~1,700 customers assessed

~1,000 batteries provided

~560 hotel vouchers provided

~900 food vouchers provided

~30 accessible transit rides provided

Data is subject to change and is based on best available information at this time.

Learn more about DDARP by visiting

DisabilityDisasterAccess.org

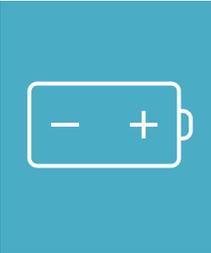




Portable Battery Program

PG&E is also conducting PSPS emergency preparedness outreach and energy needs assessments to support low-income Medical Baseline customers in high fire-threat areas with critical medical equipment and delivering fully subsidized portable battery solutions to eligible customers.

To date, this program has included the following:

	Establishing relationships with seven external battery delivery partners		Assessing over 8,800 customers
	Providing outreach to ~22,000 customers		Providing over 5,550 batteries to customers



Generator Rebate Program

Launched in late 2020, this program provides customers who depend on a well water pump and live in high fire-threat areas with a single rebate for purchasing a qualified portable power generator.

Program Offerings:



\$300 rebate for eligible customers and a **\$500 rebate** for eligible customers who are also participants in the CARE/FERA program.



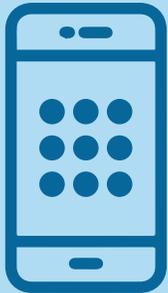
Rebates are offered through PG&E's backup power marketplace located at pge.com/backuppowers and over 100 customers have already taken advantage of the rebate.

Learn more about PG&E's Generator Rebate Program by visiting

pge.com/backuppowers



Insert your questions or feedback into the chat function.



Ask your question or provide your feedback verbally by unmuting your line.



Are there programs we have discussed today that you would like to explore for your community?



Has your agency/ organization explored any resiliency efforts you would like to share with the group?

Public Safety Power Shutoff Microgrid Communications



In-Event Notification/Information Tools for Microgrids

During a PSPS event, we will inform agencies and customers that they will receive temporary generation through the following channels:



Notifications/Calls



Tools and Data

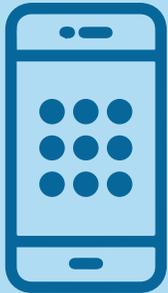


Support

	Notifications/Calls	Tools and Data	Support
Agencies	<ul style="list-style-type: none"> Ongoing coordination with Assigned Agency Representative Operational Area Cooperators Call 	<ul style="list-style-type: none"> Situation Report PSPS Portal 	Assigned Agency Representative
Critical Customers	Standard customer notifications with temporary power specific information, when applicable	Critical facilities that are Public Safety Partners receive: <ul style="list-style-type: none"> Situation Report PSPS Portal 	Assigned Account Representative or PG&E Operational Emergency Center Customer Strategy Officer, if applicable
Residential Customers	Standard customer notifications with temporary power specific information, when applicable	PG&E Emergency Web Address Lookup Tool (all customers)	PG&E Call Center



Insert your questions or feedback into the chat function.



Ask your question or provide your feedback verbally by unmuting your line.



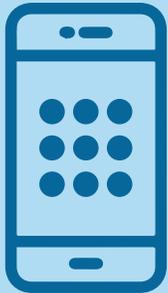
What information would you like to see included in communications during an event around temporary generation, resiliency or backup power?

Grid Resilience Planning Session





Insert your questions or feedback into the chat function.



Ask your question or provide your feedback verbally by unmuting your line.



Are there resilience subjects you would like us to cover in future Regional Working Group meetings?



What resilience efforts are most important to your community?

Next Steps

- 
Meeting survey shared with participants to gather feedback on approach and content of regional working group

- 
Follow-up on items identified by local agencies/stakeholders

- 
Upcoming meetings
 - Wildfire Safety Working Sessions (WSWS)
 - Safety Town Halls
 - Regional Webinars
 - Future Regional Working Group Meetings

2021 REGIONAL WORKING GROUP CALENDAR	
TIMING	PROPOSED TOPICS
Q1 2021	<ul style="list-style-type: none"> • Electric grid resiliency solutions • Microgrids and temporary generation • PSPS planning and preparedness
Q2 2021	<ul style="list-style-type: none"> • PSPS and Wildfire Safety
Q3 2021	<ul style="list-style-type: none"> • PSPS weather and climatology analysis • Local reliability statistics • Microgrids and temporary generation • PSPS outage scenarios
Q4 2021	<ul style="list-style-type: none"> • PSPS and Wildfire Safety

Thank You



Appendix





Status of Planned/Upcoming Resilience Efforts – Systemwide

Program	County	Site Name/Area	Status	Estimated Completion
Substation Microgrids	Humboldt	Hoopa	Planning	August 1, 2021
	Humboldt	Willow Creek	Planning	August 1, 2021
	Lake	Clear Lake	Planning	August 1, 2021
	Lake	Hartley	Planning	August 1, 2021
	Lake	Konocti	Planning	August 1, 2021
	Nevada	Brunswick	Planning	August 1, 2021
	Placer	Weimar	Planning	August 1, 2021
	Santa Cruz	Big Basin	Planning	August 1, 2021
	Santa Cruz	Point Moretti	Planning	August 1, 2021
	Sonoma	Cloverdale	Planning	August 1, 2021
	Trinity	Low Gap	Planning	August 1, 2021
	Yolo	Plainfield	Planning	August 1, 2021
	Yuba	Dobbins	Planning	August 1, 2021
Distribution Microgrids	Butte	Magalia	Construction	Q2 2021
	Calaveras	Arnold	Construction	Q3 2021
	El Dorado	Georgetown	Planning	Q2 2021
	El Dorado	Placerville	Temp. Complete 2020 – Addl. Enhancements in 2021	Q4 2021
	El Dorado	Pollock Pines	Complete	N/A
	Lake	Clearlake North	Temp. Complete 2020 – Addl. Enhancements in 2021	Q4 2021
	Lake	Clearlake South	Planning	Q3 2021

Local work plans are subject to change and data is based on the best available information at this time.



Status of Planned/Upcoming Resilience Efforts – Systemwide

Program	County	Site Name/Area	Status	Estimated Completion
Distribution Microgrids (cont.)	Lake	Lucerne	Planning	Q3 2021
	Lake	Middletown	Planning	Q2 2021
	Napa	Angwin	Complete	N/A
	Napa	Calistoga	Complete	N/A
	Placer	Colfax	Temp. Complete 2020 – Addl. Enhancements in 2021	Q4 2021
	Placer	Foresthill	Construction	Q3 2021
	Shasta	Shingletown	Complete	N/A
	Tuolumne	Groveland	Planning	Q3 2021
Remote Grids	El Dorado	El Dorado	Planning	Q1 2022
	Mariposa	Mariposa 1	Construction	Q2 2021
	Mariposa	Mariposa 2	Planning	Q1 2022
	Mariposa	Mariposa 3	Planning	Q1 2022
	San Luis Obispo	San Luis Obispo 1	Design & Permitting	Q2 2022
	San Luis Obispo	San Luis Obispo 2	Design & Permitting	Q2 2022
	Tulare	Tulare	Planning	Q2 2022
	Tehama	Tehama	Planning	Q1 2022
Islanding	Amador	Salt Springs Island	Complete	N/A
	Calaveras	West Point Island	Complete	N/A
	Humboldt	Humboldt Bay Island	Complete	N/A
	Plumas	Caribou Island	Complete	N/A
	Tehama	Red Bluff Island	Complete	N/A

Local work plans are subject to change and data is based on the best available information at this time.

Some of the measures included in this presentation are contemplated as additional precautionary measures intended to further reduce the risk of wildfires.



Customer Support Resources in Sierra Region

Sierra Region Community-Based Organizations

CFILC

- Disability Action Center (DAC)
- Disability Resources Agency for Independent Living
- Foundation of Resources for Equality and Employment for the Disabled (FREED)

Food Banks

- Community Action Agency of Butte County
- Dignity Health Connected Living
- El Dorado Food Bank
- Food Bank of Nevada County
- Interfaith Council of Amador
- Placer Food Bank
- Yuba Sutter Food Bank

Meals on Wheels

- Chico Meals on Wheels
- Dignity Health Connected Living
- Gold County Community Services
- Tehama County Community Action Agency
- Common Ground Senior Services

In-Language

- Redrect Nuevo Camino & Ocelotecame
- KCSO Telemundo
- Lotus Radio Sacramento
- Alianza News

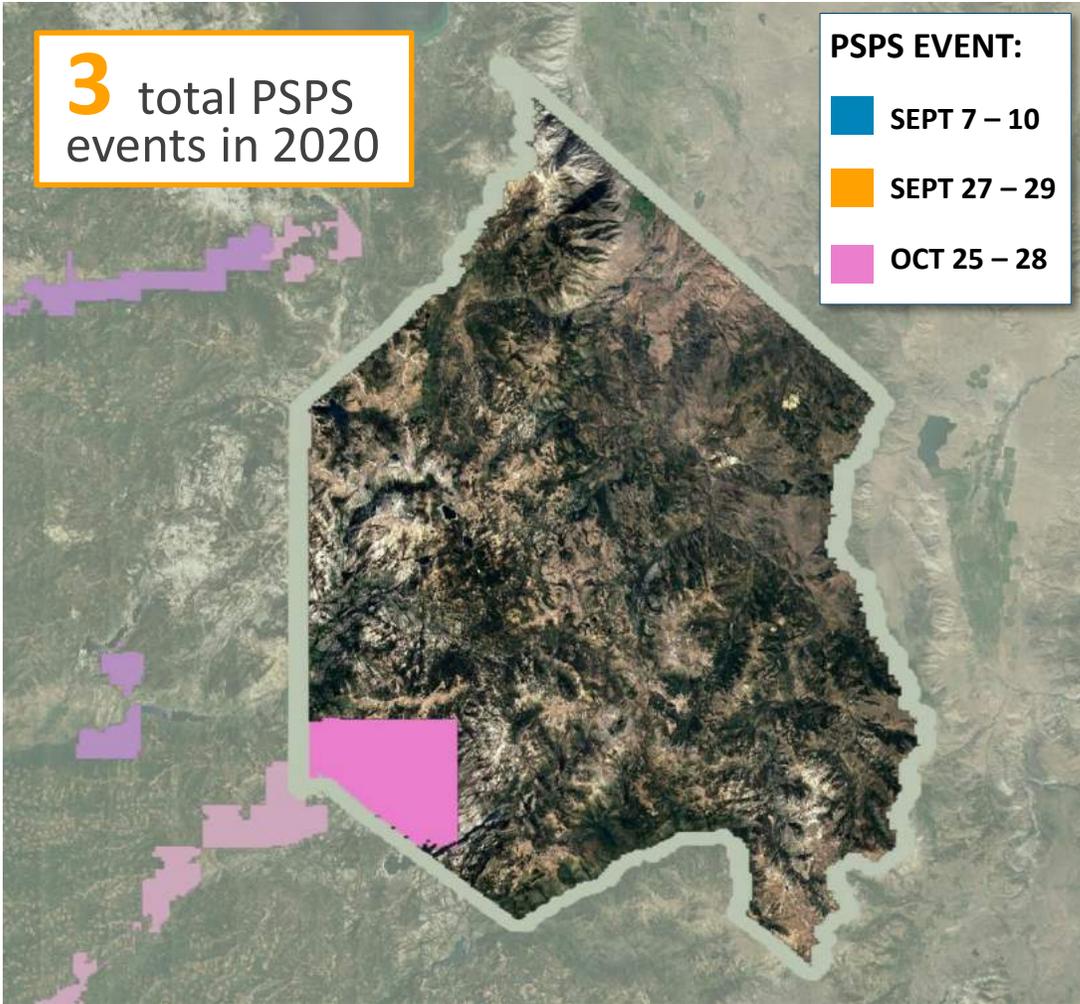
Additional Partnership Opportunities

Organization	County
South Lake Tahoe Senior Center	Alpine
Amador Senior Center	Amador
El Dorado County	El Dorado
Seniors First	Placer
Plumas Senior Nutrition	Plumas
Meals on Wheels – Feather River	Plumas
Sierra Senior Services	Sierra
Yuba Sutter Meals on Wheels	Sutter, Yuba

Local partnership request: Can you help us get in touch with these agencies?



PSPS Event Overview Alpine County



Note: PSPS impact areas are approximate and may overlap

Event Details

	SEPT 7 – 10	SEPT 27 – 29	OCT 25 – 28
CUSTOMERS IMPACTED	571	573	574
COMMUNITY RESOURCE CENTERS OPEN	1	1	1
PEAK WIND GUSTS	28 MPH	18 MPH	17 MPH
DAMAGE/ HAZARDS	0	0	2
AVG. RESTORATION TIME	11 HRS	3 HRS	5 HRS
TOTAL AVG. OUTAGE DURATION	43 HRS	20 HRS	49 HRS

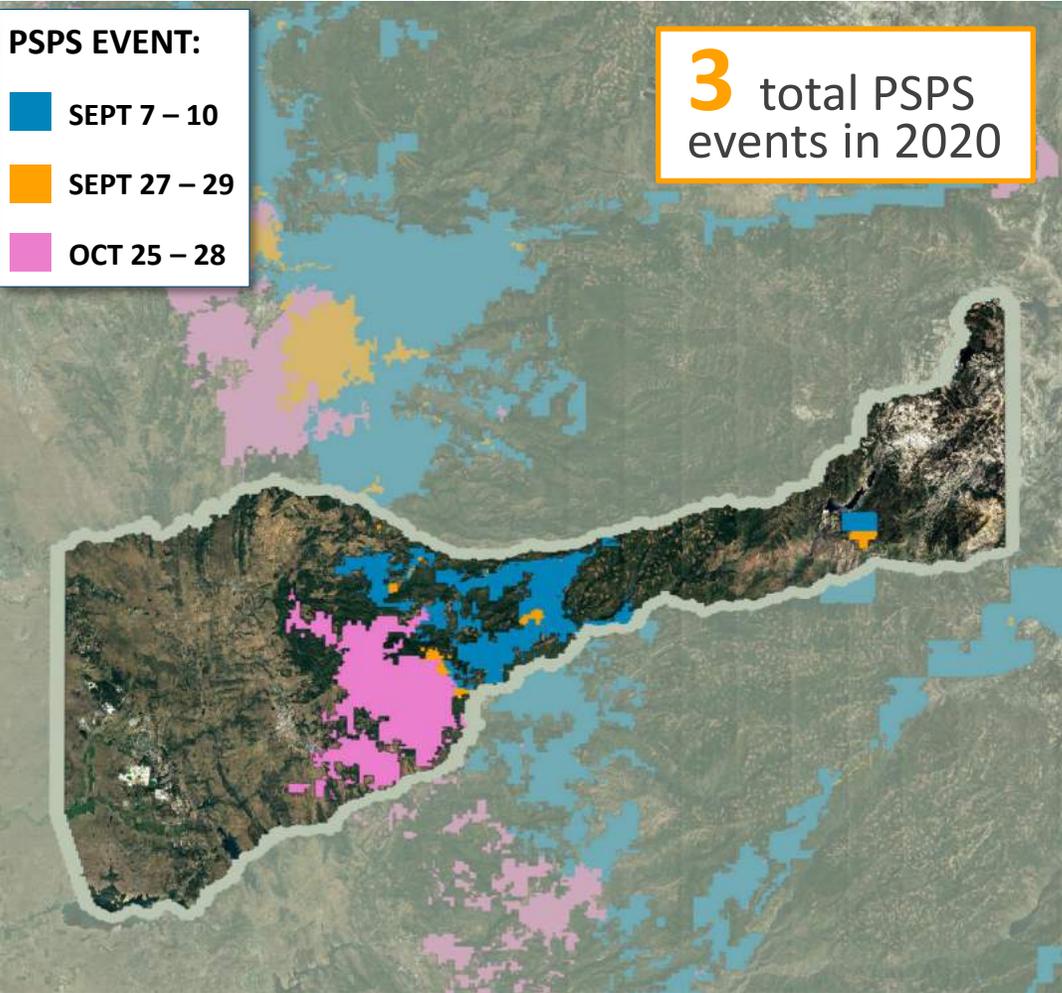
*PG&E's EOC was activated while monitoring a potential wind event on 12/7 but ultimately did not de-energize



PSPS Event Overview Amador County

PSPS EVENT:

- SEPT 7 – 10
- SEPT 27 – 29
- OCT 25 – 28



Note: PSPS impact areas are approximate and may overlap

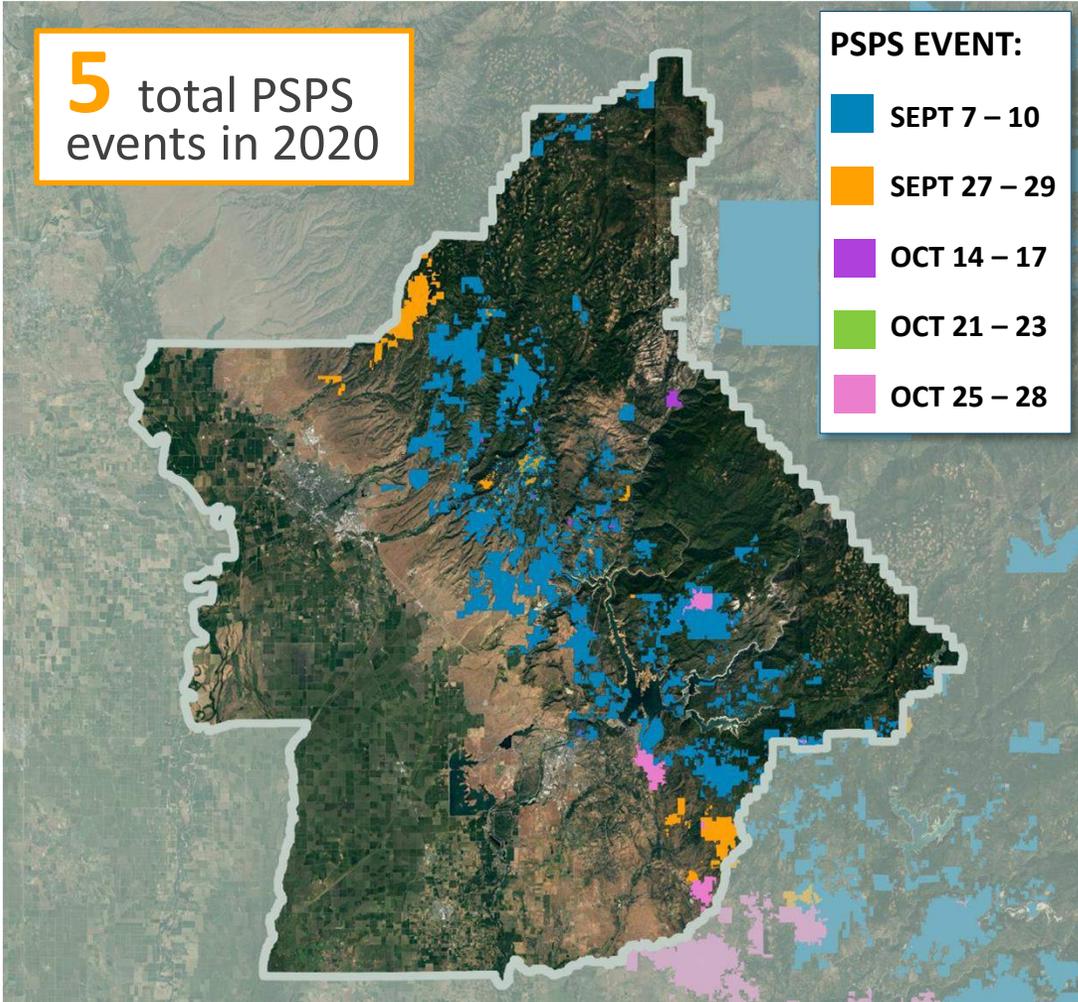
Event Details

	SEPT 7 – 10	SEPT 27 – 29	OCT 25 – 28
CUSTOMERS IMPACTED	5,288	5,461	9,272
COMMUNITY RESOURCE CENTERS OPEN	2	2	3
PEAK WIND GUSTS	40 MPH	78 MPH	38 MPH
DAMAGE/HAZARDS	3	0	1
AVG. RESTORATION TIME	7 HRS	3 HRS	5 HRS
TOTAL AVG. OUTAGE DURATION	37 HRS	17 HRS	29 HRS



PSPS Event Overview Butte County

5 total PSPS events in 2020



Note: PSPS impact areas are approximate and may overlap

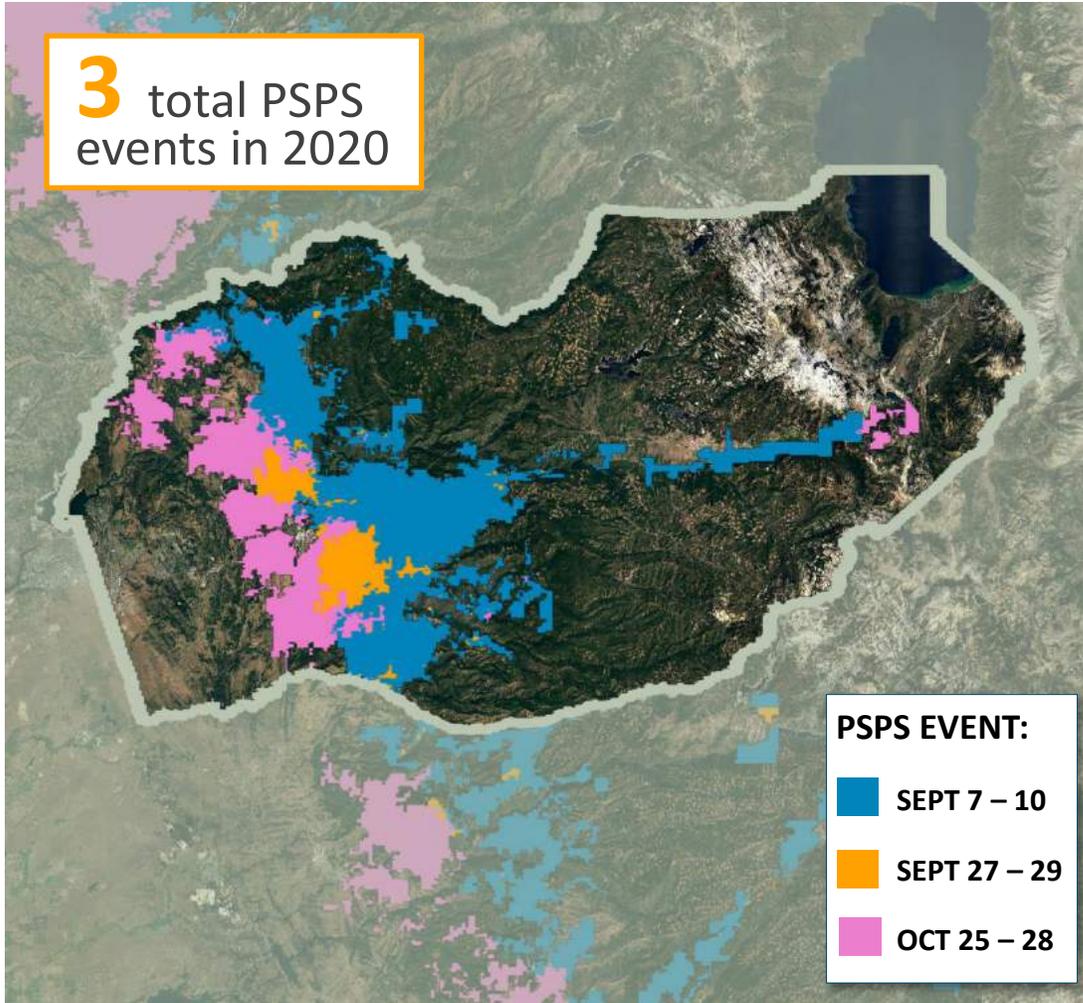
Event Details

	SEPT 7 – 10	SEPT 27 – 29	OCT 14 – 17	OCT 21 – 23	OCT 25 – 28
CUSTOMERS IMPACTED	13,751	11,002	10,982	9,554	12,845
COMMUNITY RESOURCE CENTERS OPEN	5	5	5	4	5
PEAK WIND GUSTS	66 MPH	72 MPH	64 MPH	53 MPH	55 MPH
DAMAGE/HAZARDS	10	2	3	1	3
AVG. RESTORATION TIME	14 HRS	4 HRS	7 HRS	5 HRS	11 HRS
TOTAL AVG. OUTAGE DURATION	45 HRS	34 HRS	46 HRS	15 HRS	45 HRS



PSPS Event Overview El Dorado County

3 total PSPS events in 2020



Note: PSPS impact areas are approximate and may overlap

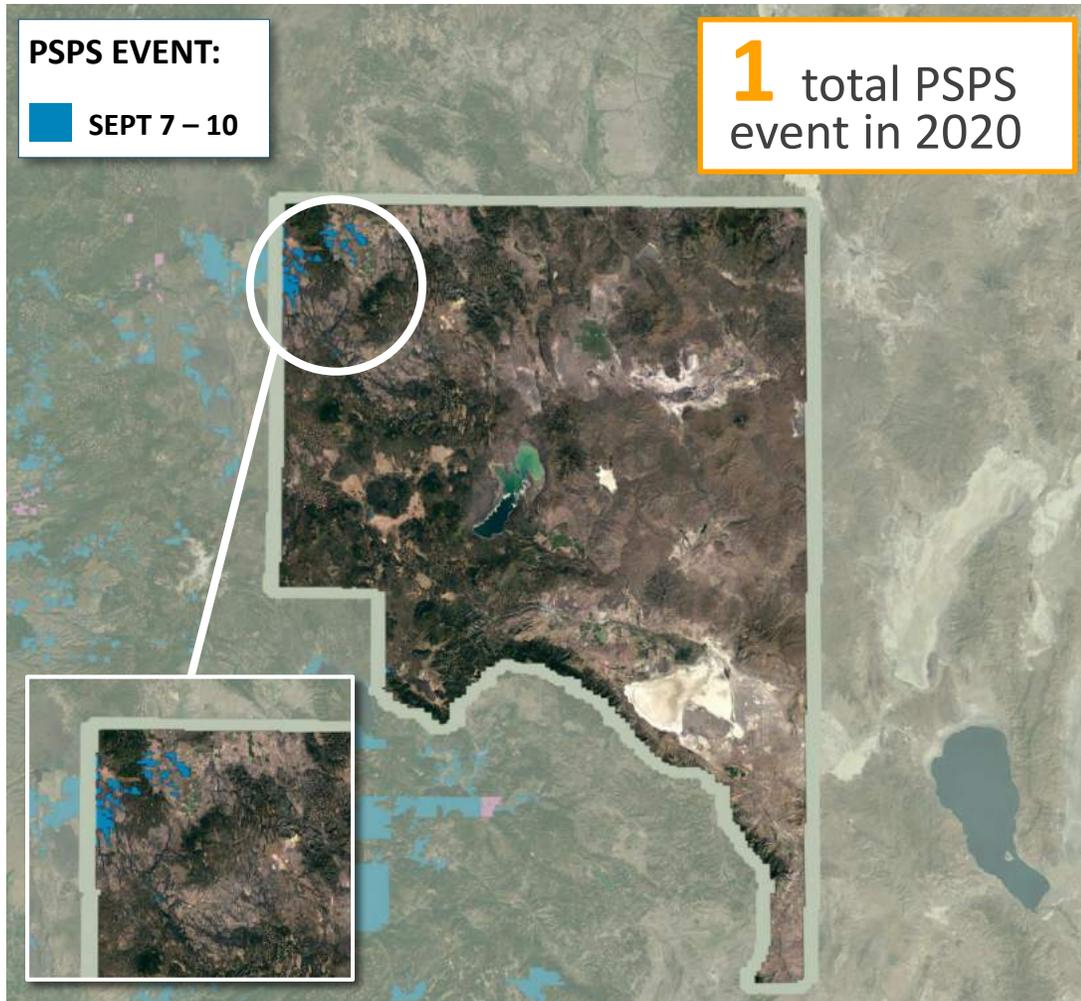
Event Details

	SEPT 7 – 10	SEPT 27 – 29	OCT 25 – 28
CUSTOMERS IMPACTED	24,794	26,795	38,441
COMMUNITY RESOURCE CENTERS OPEN	5	6	6
PEAK WIND GUSTS	42 MPH	43 MPH	50 MPH
DAMAGE/HAZARDS	8	3	16
AVG. RESTORATION TIME	8 HRS	5 HRS	8 HRS
TOTAL AVG. OUTAGE DURATION	37 HRS	20 HRS	43 HRS

During the 10/14 event, ~440 customers experienced a brief outage while being switched to temporary generation.



PSPS Event Overview Lassen County



Note: PSPS impact areas are approximate

Event Details

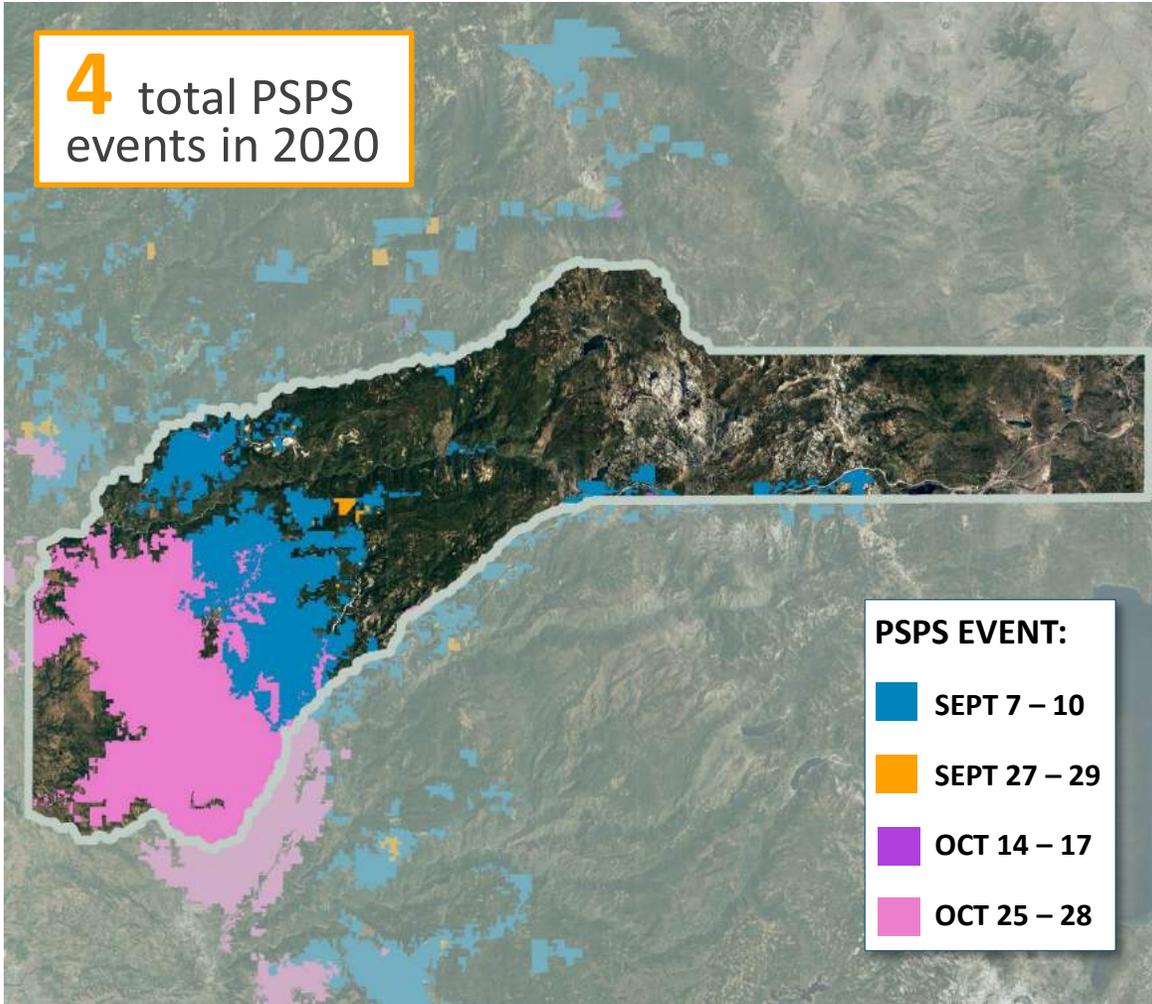
SEPT
7 - 10

	CUSTOMERS IMPACTED	988
	COMMUNITY RESOURCE CENTERS OPEN	1
	PEAK WIND GUSTS	41 MPH
	DAMAGE/HAZARDS	0
	AVG. RESTORATION TIME	14 HRS
	TOTAL AVG. OUTAGE DURATION	41 HRS



PSPS Event Overview Nevada County

4 total PSPS events in 2020



Note: PSPS impact areas are approximate and may overlap

Event Details

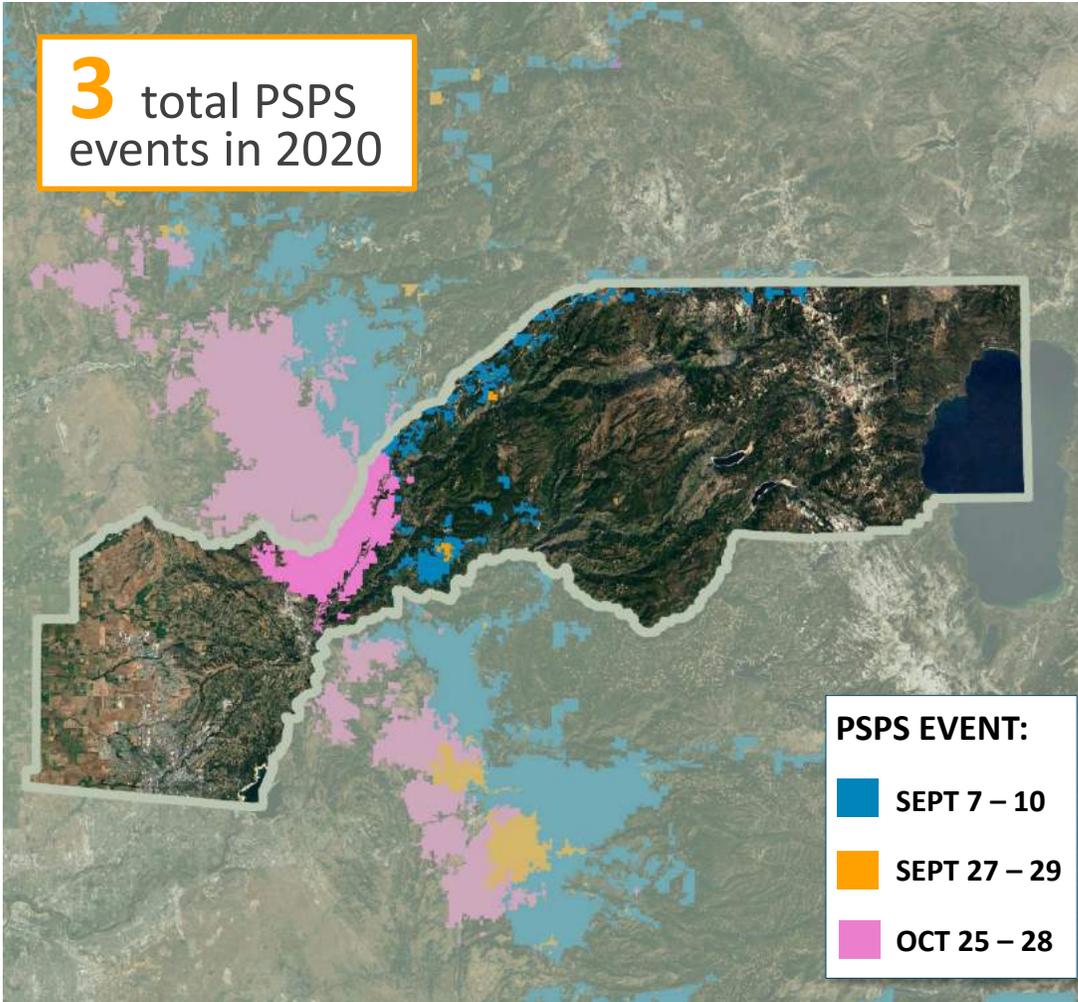
	SEPT 7 – 10	SEPT 27 – 29	OCT 14 – 17	OCT 25 – 28
 CUSTOMERS IMPACTED	23,020	2,882	19	39,781
 COMMUNITY RESOURCE CENTERS OPEN	2	2	0	4
 PEAK WIND GUSTS	54 MPH	34 MPH	33 MPH	58 MPH
 DAMAGE/ HAZARDS	6	2	0	2
 AVG. RESTORATION TIME	12 HRS	7 HRS	3 HRS	10 HRS
 TOTAL AVG. OUTAGE DURATION	42 HRS	22 HRS	35 HRS	40 HRS

*PG&E's EOC was activated while monitoring a potential wind event on 12/7 but ultimately did not de-energize



PSPS Event Overview Placer County

3 total PSPS events in 2020



Note: PSPS impact areas are approximate and may overlap

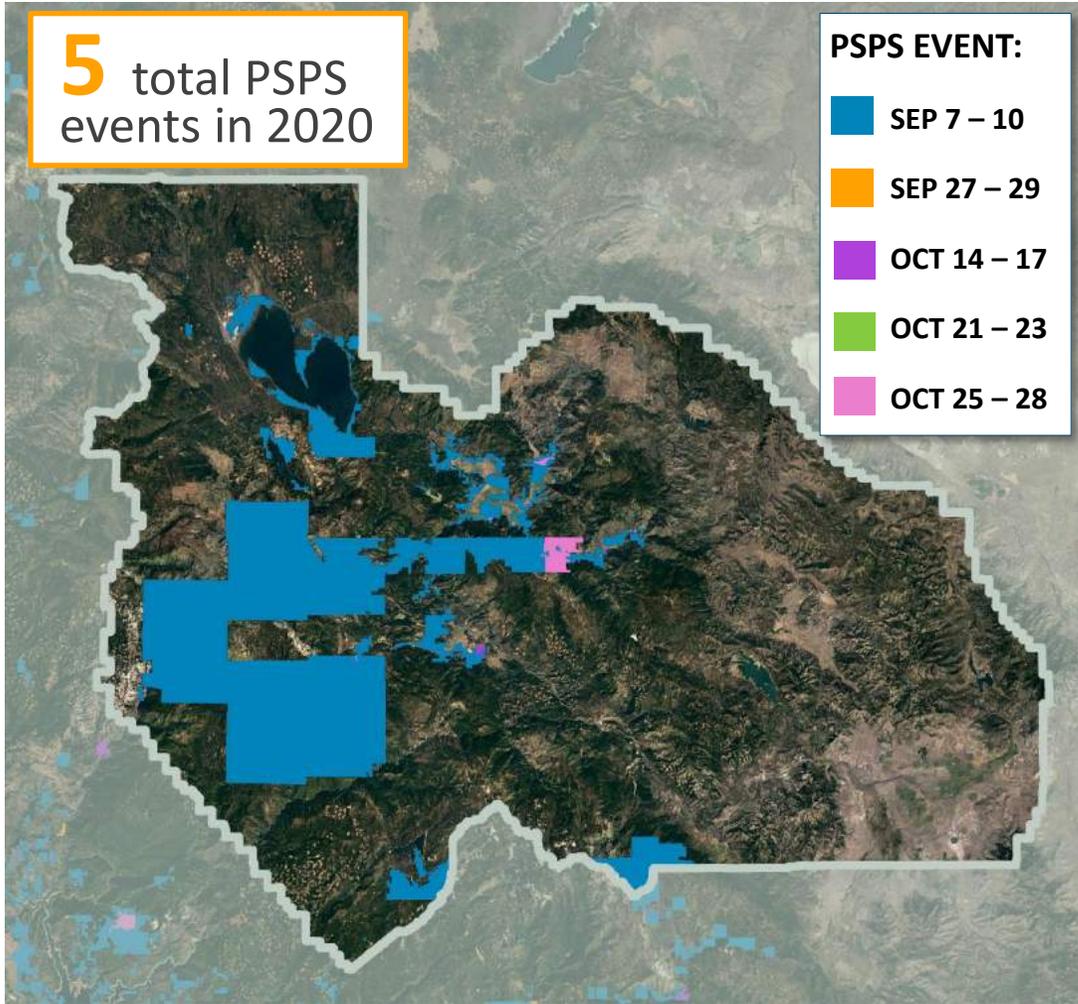
Event Details

	SEPT 7 – 10	SEPT 27 – 29	OCT 25 – 28
CUSTOMERS IMPACTED	5,738	4,372	16,999
COMMUNITY RESOURCE CENTERS OPEN	3	3	4
PEAK WIND GUSTS	54 MPH	50 MPH	73 MPH
DAMAGE/ HAZARDS	8	2	11
AVG. RESTORATION TIME	10 HRS	4 HRS	5 HRS
TOTAL AVG. OUTAGE DURATION	38 HRS	19 HRS	35 HRS



PSPS Event Overview Plumas County

5 total PSPS events in 2020



- PSPS EVENT:**
- SEP 7 – 10
 - SEP 27 – 29
 - OCT 14 – 17
 - OCT 21 – 23
 - OCT 25 – 28

Event Details

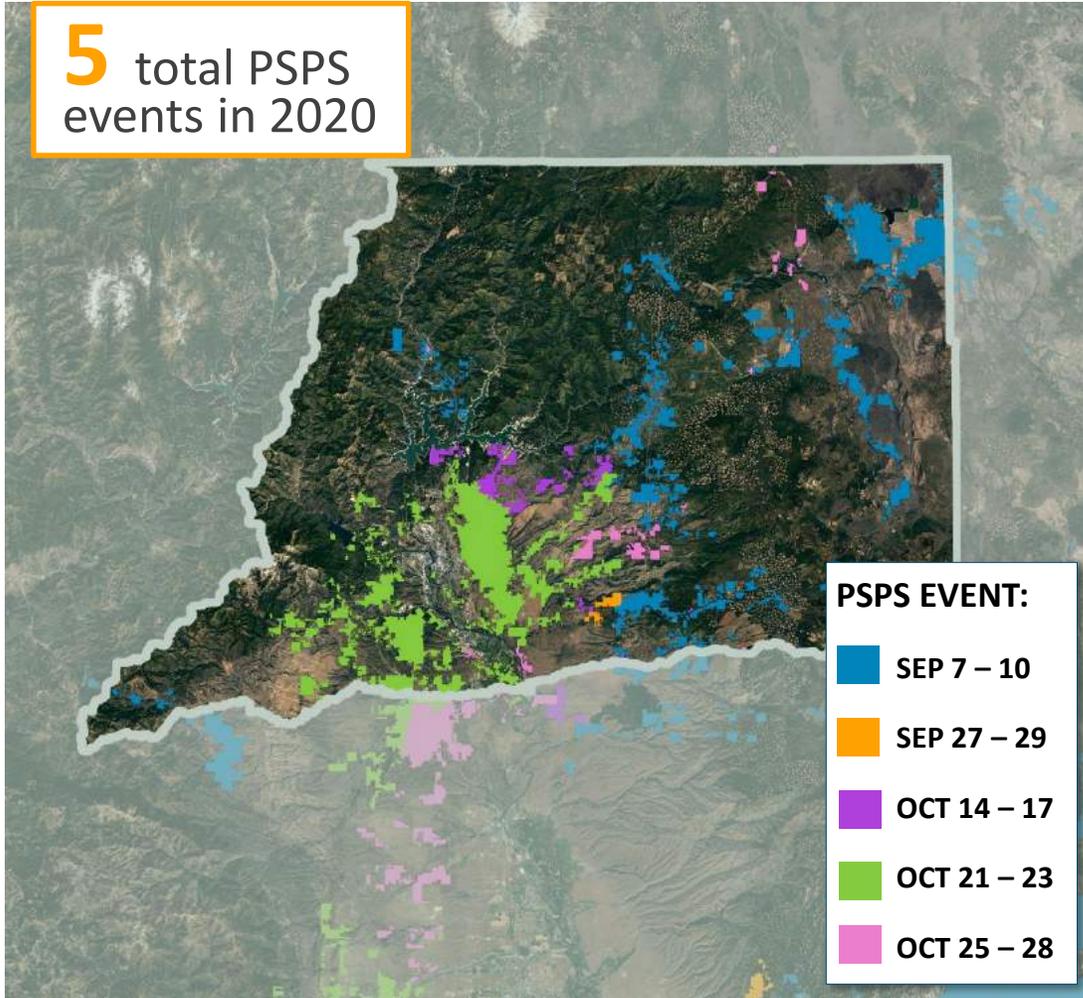
	SEPT 7 – 10	SEPT 27 – 29	OCT 14 – 17	OCT 21 – 23	OCT 25 – 28
 CUSTOMERS IMPACTED	10,835	782	349	431	1,666
 COMMUNITY RESOURCE CENTERS OPEN	3	1	2	2	3
 PEAK WIND GUSTS	46 MPH	49 MPH	33 MPH	37 MPH	40 MPH
 DAMAGE/ HAZARDS	10	0	0	0	2
 AVG. RESTORATION TIME	15 HRS	6 HRS	7 HRS	5 HRS	8 HRS
 TOTAL AVG. OUTAGE DURATION	45 HRS	31 HRS	43 HRS	12 HRS	53 HRS

Note: PSPS impact areas are approximate and may overlap



PSPS Event Overview Shasta County

5 total PSPS events in 2020



Note: PSPS impact areas are approximate and may overlap

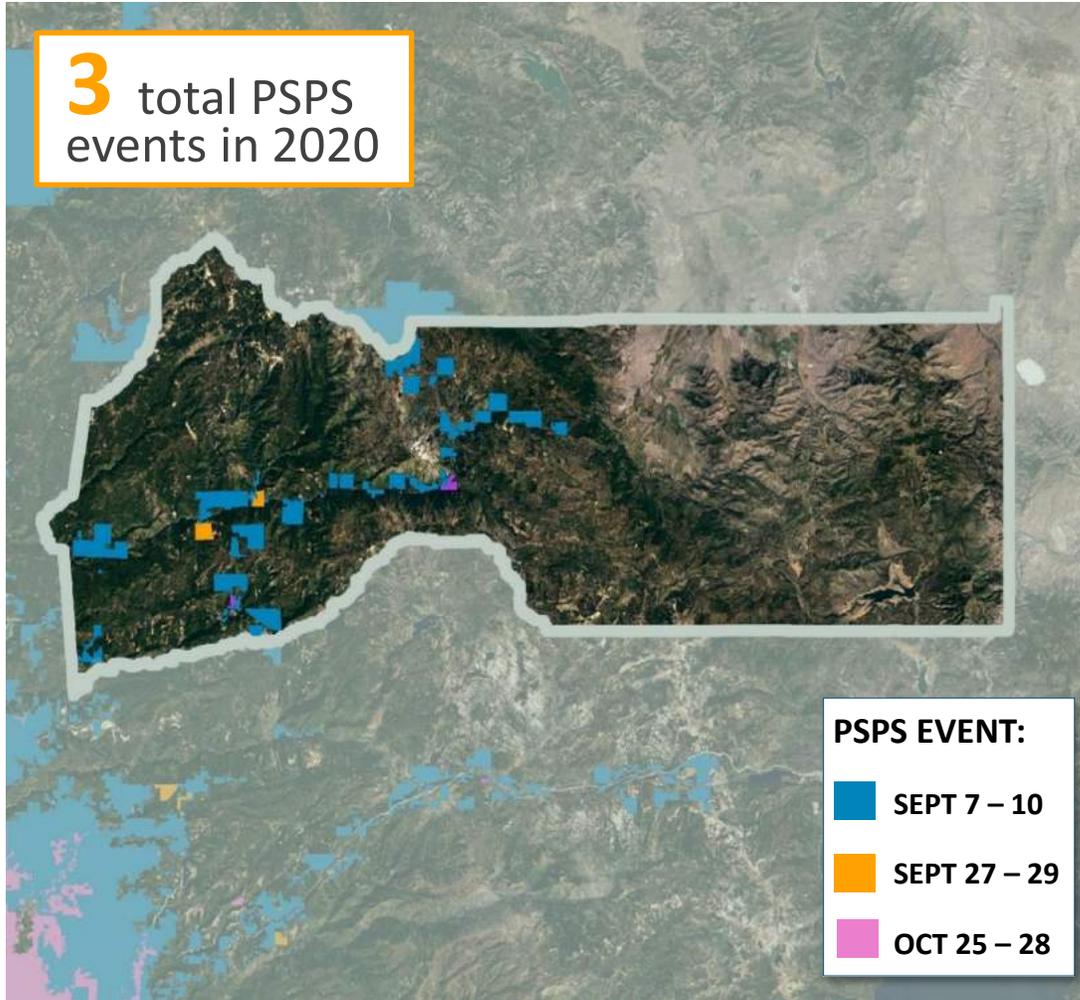
Event Details

	SEPT 7 – 10	SEPT 27 – 29	OCT 14 – 17	OCT 21 – 23	OCT 25 – 28
CUSTOMERS IMPACTED	9,969	2,815	4,731	18,375	24,493
COMMUNITY RESOURCE CENTERS OPEN	6	1	3	6	6
PEAK WIND GUSTS	56 MPH	46 MPH	49 MPH	56 MPH	50 MPH
DAMAGE/HAZARDS	9	0	0	7	9
AVG. RESTORATION TIME	10 HRS	4 HRS	4 HRS	9 HRS	8 HRS
TOTAL AVG. OUTAGE DURATION	37 HRS	16 HRS	43 HRS	21 HRS	33 HRS



PSPS Event Overview Sierra County

3 total PSPS events in 2020



Note: PSPS impact areas are approximate and may overlap

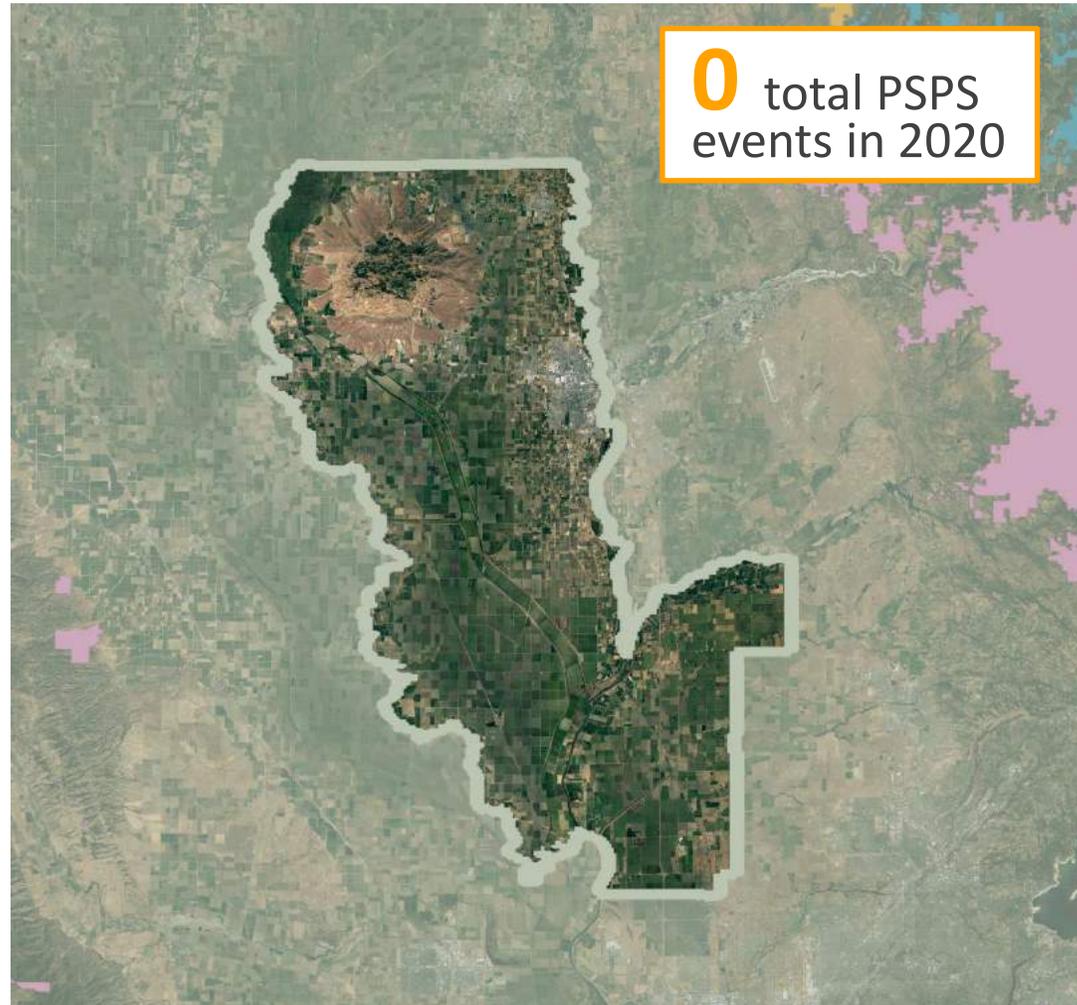
Event Details

	SEPT 7 - 10	SEPT 27 - 29	OCT 25 - 28
 CUSTOMERS IMPACTED	1,089	1,094	1,095
 COMMUNITY RESOURCE CENTERS OPEN	1	2	2
 PEAK WIND GUSTS	33 MPH	51 MPH	32 MPH
 DAMAGE/HAZARDS	5	0	1
 AVG. OUTAGE DURATION AFTER ALL-CLEAR	26 HRS	15 HRS	16 HRS
 TOTAL AVG. OUTAGE DURATION	57 HRS	32 HRS	63 HRS

During the 10/14 event, ~960 customers experienced a brief outage while being switched to temporary generation.



PSPS Event Overview Sutter County



Sutter County did not experience a PSPS Event in 2020

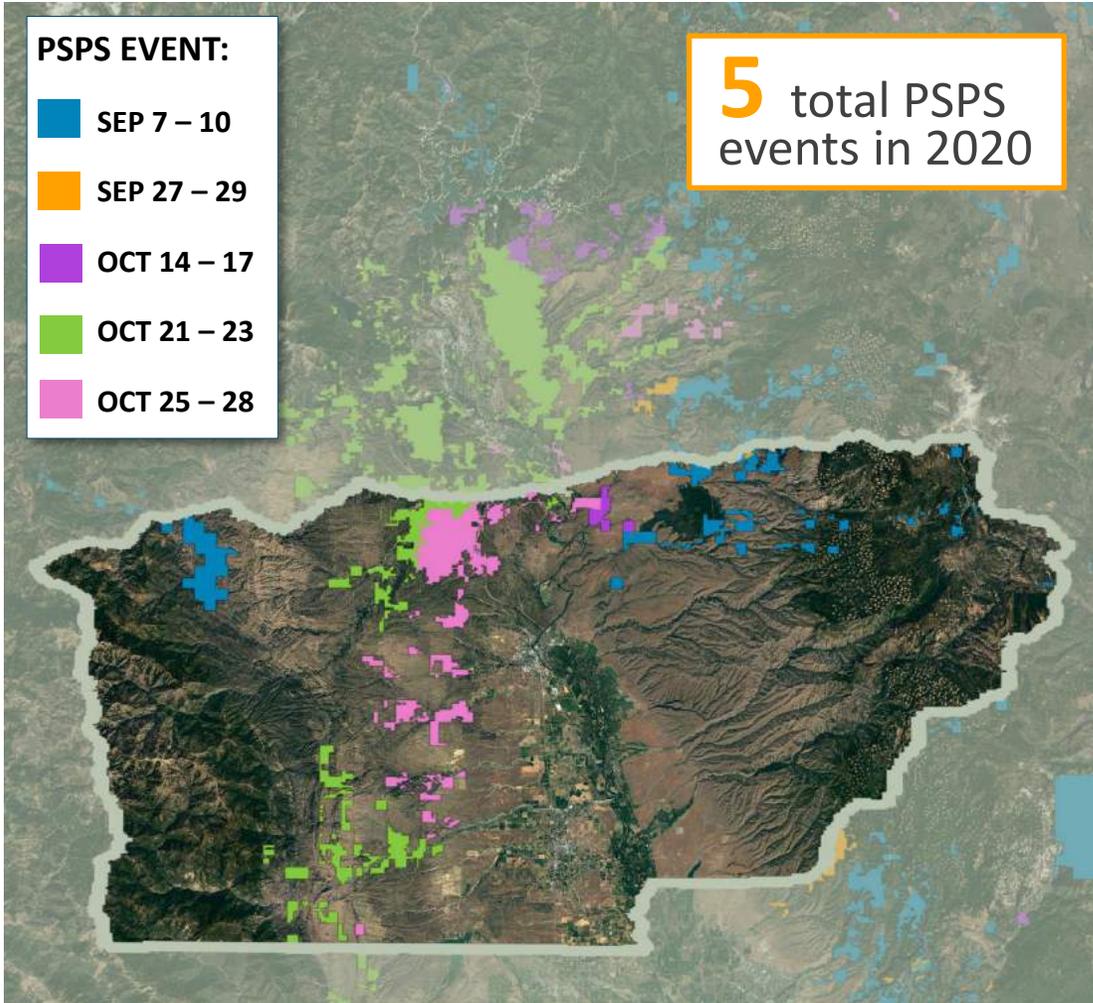


PSPS Event Overview Tehama County

PSPS EVENT:

- SEP 7 – 10
- SEP 27 – 29
- OCT 14 – 17
- OCT 21 – 23
- OCT 25 – 28

5 total PSPS events in 2020



Note: PSPS impact areas are approximate and may overlap

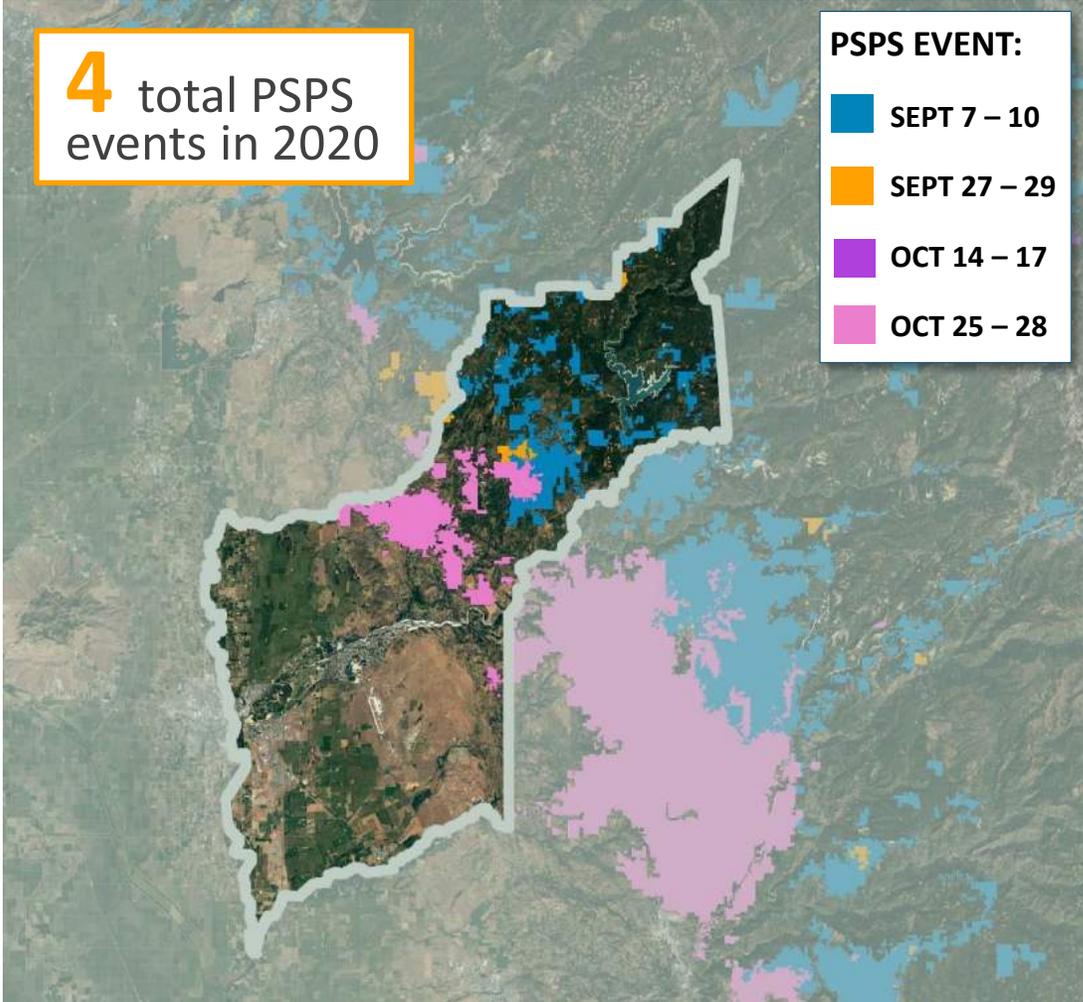
Event Details

	SEPT 7 – 10	SEPT 27 – 29	OCT 14 – 17	OCT 21 – 23	OCT 25 – 28
 CUSTOMERS IMPACTED	1,220	1,219	1,224	1,615	6,483
 COMMUNITY RESOURCE CENTERS OPEN	0	0	0	0	2
 PEAK WIND GUSTS	52 MPH	51 MPH	49 MPH	48 MPH	47 MPH
 DAMAGE/HAZARDS	1	0	1	0	0
 AVG. RESTORATION TIME	4 HRS	3 HRS	4 HRS	4 HRS	7 HRS
 TOTAL AVG. OUTAGE DURATION	40 HRS	19 HRS	44 HRS	14 HRS	32 HRS



PSPS Event Overview Yuba County

4 total PSPS events in 2020



Note: PSPS impact areas are approximate and may overlap

Event Details

	SEPT 7 – 10	SEPT 27 – 29	OCT 14 – 17	OCT 25 – 28
CUSTOMERS IMPACTED	2,387	1,888	1,238	4,658
COMMUNITY RESOURCE CENTERS OPEN	2	1	1	2
PEAK WIND GUSTS	50 MPH	43 MPH	39 MPH	44 MPH
DAMAGE/HAZARDS	1	0	0	0
AVG. RESTORATION TIME	18 HRS	4 HRS	6 HRS	8 HRS
TOTAL AVG. OUTAGE DURATION	51 HRS	20 HRS	40 HRS	45 HRS

*PG&E's EOC was activated while monitoring a potential wind event on 12/7 but ultimately did not de-energize

Advice 6148-E
April 1, 2021

Attachment 3

**E-mail to Commission Staff Notifying of the Dates for
the the First Quarter 2021, Regional Working Groups
(including Resiliency Workshop)**

Grinberg, Igor

From: Grinberg, Igor
Sent: Monday, February 22, 2021 4:25 PM
To: Enis, Julian; Steingass, Joyce; Kaser, Forest
Subject: PG&E's Semi-Annual Resiliency Workshops - Schedule for Q1 2021 Meetings

Hi Julian et al,

Per the Microgrid OIR Track 1 decision requirements, I am informing you of PG&E's planned local and tribal government workshops to discuss resiliency initiatives. I will provide the virtual meeting information in the next week or two.

PG&E's Community Wildfire Safety Program Regional Working Groups 1st Quarter, 2021

Region	Meeting Date	Meeting Time
Central Valley	Wednesday, March 24	10:30 a.m. - 12:30 p.m.
Sierra	Wednesday, March 24	1:30 p.m. - 3:30 p.m.
North Coast	Thursday, March 25	10:30 a.m. - 12:30 p.m.
South Bay/Central Coast	Thursday, March 25	1:30 p.m. - 3:30 p.m.
Bay Area	Friday, March 26	10:30 a.m. - 12:30 p.m.

Thanks,
Igor

[Igor Grinberg](#) | Case Manager | Regulatory Affairs | Pacific Gas and Electric Company | (415) 973-8580 | igor.grinberg@pge.com

Grinberg, Igor

From: Grinberg, Igor
Sent: Thursday, March 18, 2021 3:26 PM
To: 'Enis, Julian'; 'Steingass, Joyce'; 'Kaser, Forest'
Subject: RE: PG&E's Semi-Annual Resiliency Workshops - Meeting Information for Q1 2021 Meetings

Julian et al,

Please see below the virtual meeting information for PG&E's upcoming resiliency workshops next week with local and tribal governments and other stakeholders.

DATE	TIME	MEETING LINK	DIAL-IN
Wednesday, March 24 (Central Valley Region)	10:30 a.m. – 12:30 p.m.	Click here to join the meeting	+1 415-906-0873,,986934747#

DATE	TIME	MEETING LINK	DIAL-IN
Wednesday, March 24 (Sierra Region)	1:30 p.m. – 3:30 p.m.	Click here to join the meeting	+1 415-906-0873,,257304052#

DATE	TIME	MEETING LINK	DIAL-IN
Thursday, March 25 (North Coast Region)	10:30 a.m. – 12:30 p.m.	Join Here	+1 415-906-0873,,757966407#

DATE	TIME	MEETING LINK	DIAL-IN
Thursday, March 25 (South Bay/Central Coast Region)	1:30 p.m. – 3:30 p.m.	Click here to join the meeting	+1 415-906-0873,,505558660#

DATE	TIME	MEETING LINK	DIAL-IN
Friday, March 26 (Bay Area Region)	10:30 a.m. – 12:30 p.m.	Click here to join the meeting	+1 415-906-0873,,478292979#

Thanks,
Igor

From: Grinberg, Igor
Sent: Monday, February 22, 2021 4:25 PM
To: Enis, Julian <Julian.Enis@cpuc.ca.gov>; Steingass, Joyce <Joyce.Steingass@cpuc.ca.gov>; Kaser, Forest <Forest.Kaser@cpuc.ca.gov>
Subject: PG&E's Semi-Annual Resiliency Workshops - Schedule for Q1 2021 Meetings

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**PG&E's Community Wildfire Safety Program Regional Working Groups
1st Quarter, 2021**

Region	Meeting Date	Meeting Time
Central Valley	Wednesday, March 24	10:30 a.m. - 12:30 p.m.
Sierra	Wednesday, March 24	1:30 p.m. - 3:30 p.m.
North Coast	Thursday, March 25	10:30 a.m. - 12:30 p.m.
South Bay/Central Coast	Thursday, March 25	1:30 p.m. - 3:30 p.m.
Bay Area	Friday, March 26	10:30 a.m. - 12:30 p.m.

Thanks,
Igor

Igor Grinberg | Case Manager | Regulatory Affairs | Pacific Gas and Electric Company | (415) 973-8580 | igor.grinberg@pge.com

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

AT&T
Albion Power Company

Alta Power Group, LLC
Anderson & Poole

Atlas ReFuel
BART

Barkovich & Yap, Inc.
California Cotton Ginners & Growers Assn
California Energy Commission

California Hub for Energy Efficiency
Financing

California Alternative Energy and
Advanced Transportation Financing
Authority
California Public Utilities Commission
Calpine

Cameron-Daniel, P.C.
Casner, Steve
Cenergy Power
Center for Biological Diversity

Chevron Pipeline and Power
City of Palo Alto

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

East Bay Community Energy Ellison
Schneider & Harris LLP Energy
Management Service
Engineers and Scientists of California

GenOn Energy, Inc.
Goodin, MacBride, Squeri, Schlotz &
Ritchie

Green Power Institute
Hanna & Morton
ICF

IGS Energy
International Power Technology
Intestate Gas Services, Inc.
Kelly Group
Ken Bohn Consulting
Keyes & Fox LLP
Leviton Manufacturing Co., Inc.

Los Angeles County Integrated
Waste Management Task Force
MRW & Associates
Manatt Phelps Phillips
Marin Energy Authority
McKenzie & Associates

Modesto Irrigation District
NLine Energy, Inc.
NRG Solar

Office of Ratepayer Advocates
OnGrid Solar
Pacific Gas and Electric Company
Peninsula Clean Energy

Pioneer Community Energy

Redwood Coast Energy Authority
Regulatory & Cogeneration Service, Inc.
SCD Energy Solutions
San Diego Gas & Electric Company

SPURR
San Francisco Water Power and Sewer
Sempra Utilities

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.

TransCanada
Utility Cost Management
Utility Power Solutions
Water and Energy Consulting Wellhead
Electric Company
Western Manufactured Housing
Communities Association (WMA)
Yep Energy