

2022 PG&E Updates & Important Information for Hospitals

March 29, 2022

Welcome

T Abraham

Regional Vice President

Hospital Council – Northern & Central California

Online Questions: At any time, submit your questions in the Q/A box at the bottom of your screen, press enter. We will take questions throughout the presentation.

**Bryan J. Bucklew, President and Chief Executive Officer
Hospital Council Northern & Central California**

In 2018, Bryan became the President and CEO of the Hospital Council of Northern & Central California. In his work for our hospital members, he has successfully led council's focus on serving our hospital members through advocacy, community relationship building, and supporting solutions and programs that make tangible progress on hospital challenges – all during natural disasters and the COVID-19 pandemic.

**Brian Ambrosini, Manager, Government, Healthcare and Education Account Services
Pacific Gas and Electric Company**

Brian joined PG&E 11 years ago. He currently leads a team of account managers who support the largest government, health care & education customers throughout PG&E service territory. Previously, Brian held positions in energy efficiency and medical devices.

**Matt Kanter, Senior Account Manager
Pacific Gas and Electric Company**

Matt Kanter is a Senior Account Manager at Pacific Gas & Electric Company. He supports large health care systems, as well as independent health care customers, including senior living communities. Matt has been an account manager at PG&E since 2011 and on the health care team since 2019.

**Dave Meier, Senior Manager
Pacific Gas and Electric Company**

As a senior manager, Dave is on the All Hazards Team where he leads as the primary Customer Strategy Officer during planned and unplanned emergencies.

**Kristen Burke, Strategic Account Manager, Expert, Healthcare
Pacific Gas and Electric Company**

Kristen Burke is the Healthcare Team Strategic Account Manager at Pacific Gas & Electric Company. Since 2017, she has served as a single point of contact/assigned account manager for many large health care systems and independent health care customers within the PG&E service territory.



Agenda

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Safety

General Safety Tips

Identify two exit routes from your current work area in the event of a fire or other emergency.

.....

“Drop, cover and hold” in the event of an earthquake.

.....

Notify emergency services if you are in danger. You can also ask for help by putting a message in the chat function of this meeting.





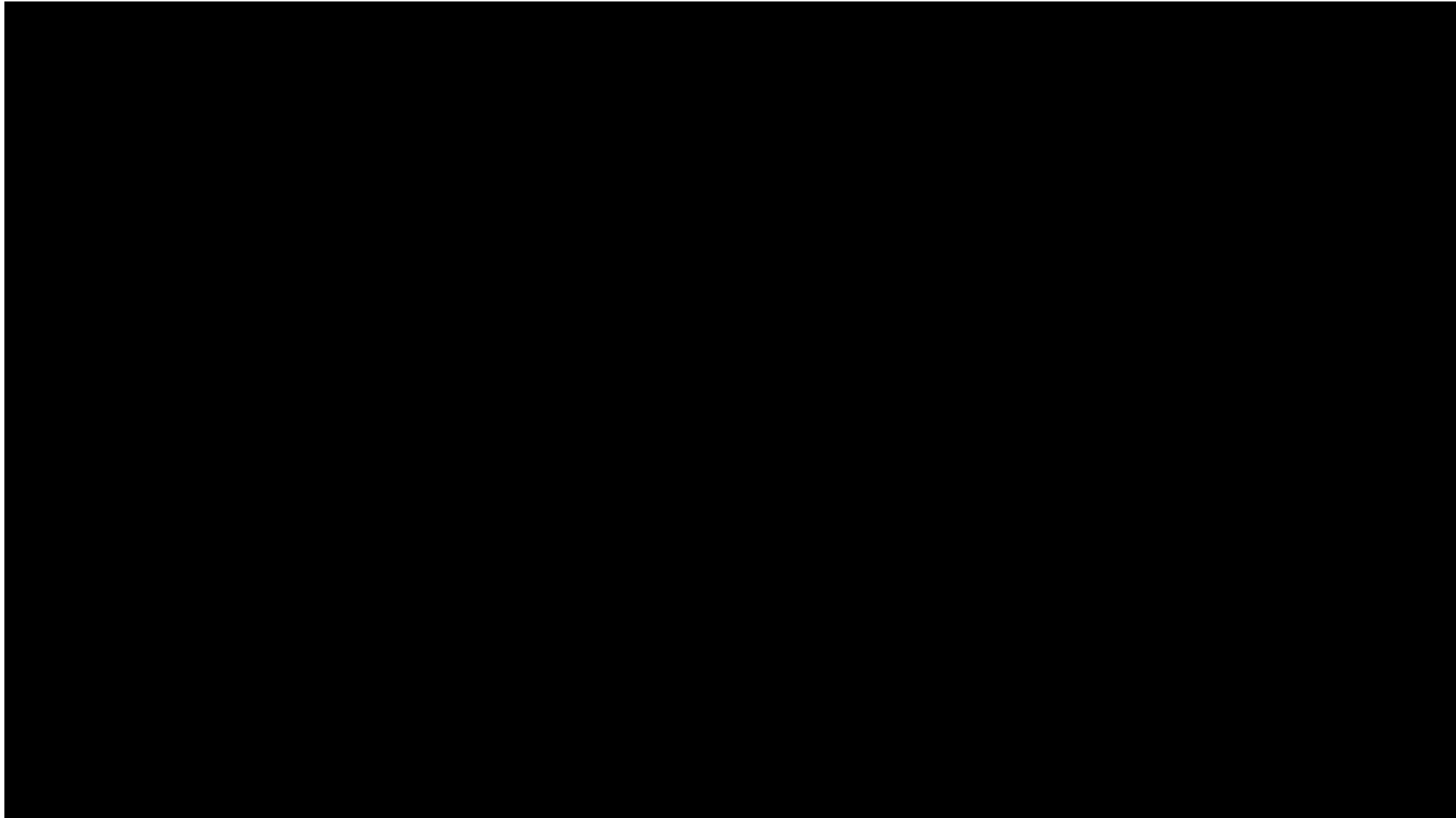
Hospital Council and PG&E Partnership Overview

- Early PSPS Experience for Hospitals
- Advocating for Hospitals within PG&E
- The Future of the Partnership

Video: Patti Poppe, CEO PG&E

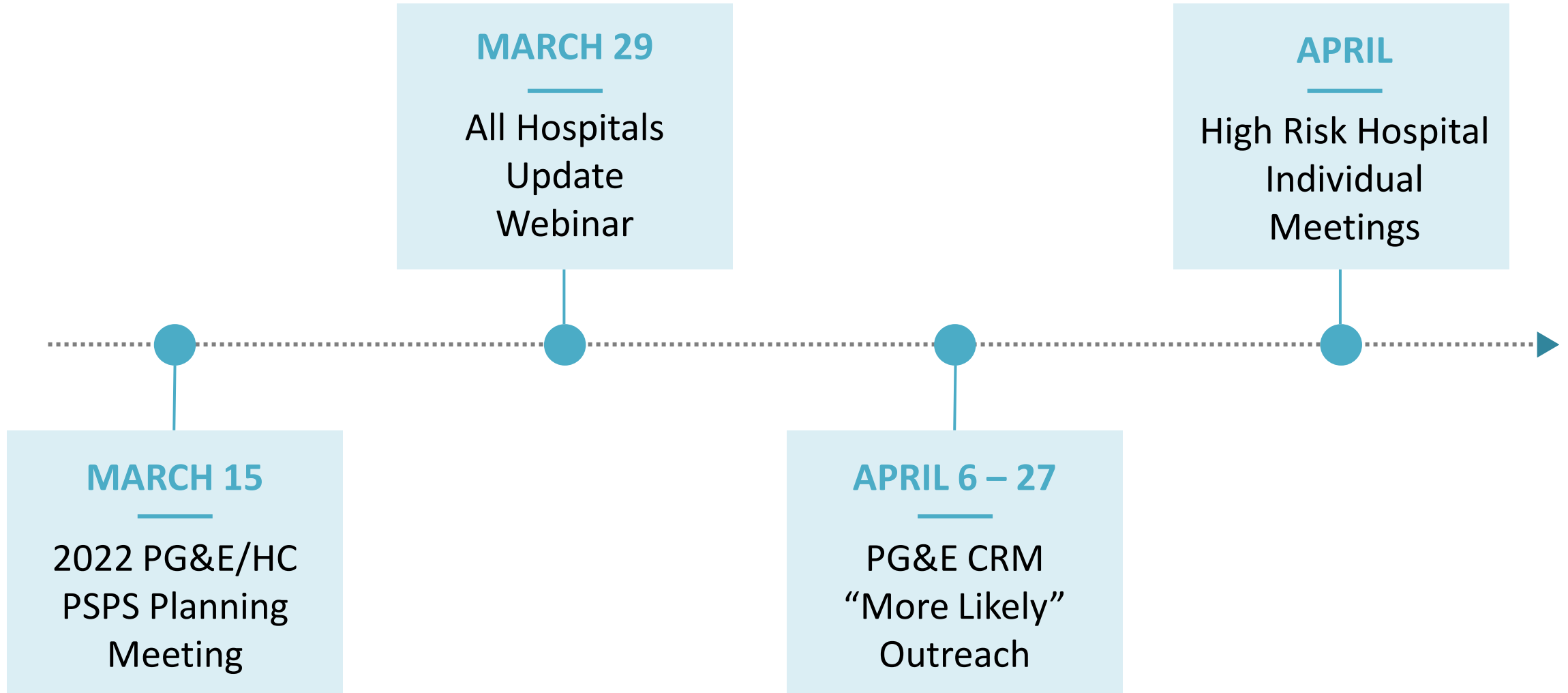


Hospital Council and PG&E Partnership Overview (cont.)





Outreach Timeline

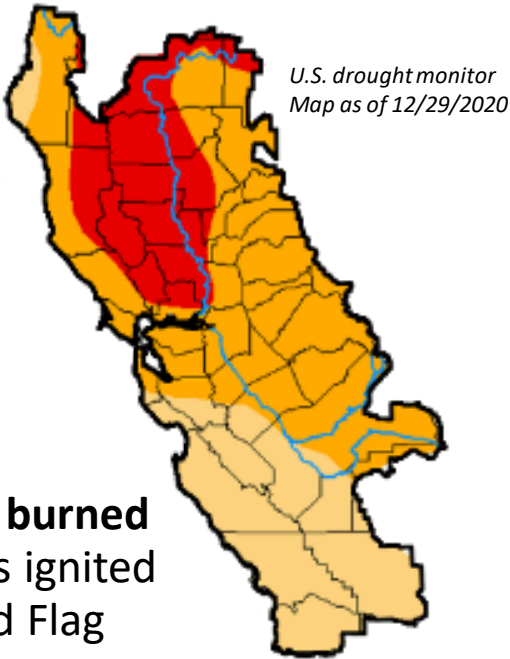


California's Intensifying Wildfire Risk

2020

5th
driest year
in the last
century

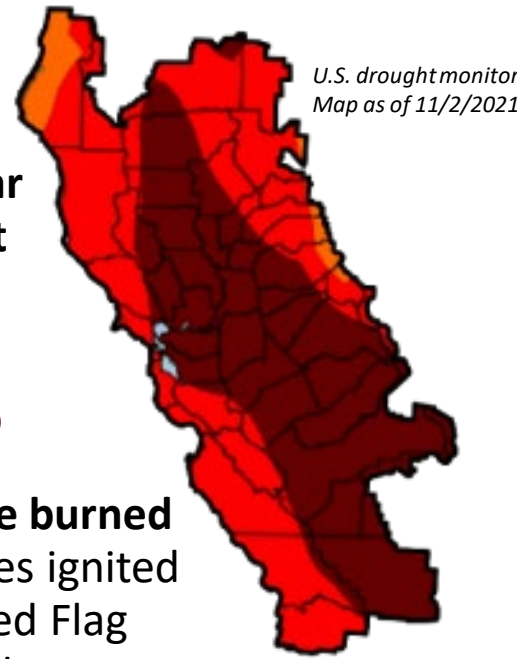
47%
of acreage burned
by wildfires ignited
on non-Red Flag
Warning days



2021

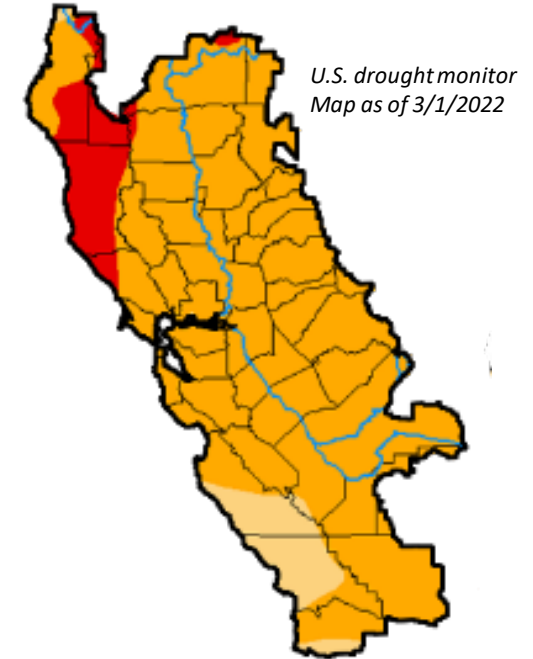
2nd
driest year
in the last
century

95%
of acreage burned
by wildfires ignited
on non-Red Flag
Warning days



2022

2nd
driest
January
over the
last 128
years



MAP LEGEND

- D0: Abnormally dry
- D1: Moderate drought
- D2: Severe drought
- D3: Extreme drought
- D4: Exceptional drought

CAL FIRE

Incidents ▾ About Us ▾ Careers Programs ▾ Grants ▾ Resources ▾ Stats & Events Search

2022 Fire Season Outlook

California continues to experience longer wildfire seasons as a direct result of Climate Change. Extended dryness originating from January is expected to continue into the Spring with little perception leaving most of the state in moderate to extreme drought conditions prior to Summer. These continued dry conditions with above normal temperatures through Spring will leave fuel moisture levels lower than normal increasing the potential for wildland fire activity.

USDA Forest Service
U.S. DEPARTMENT OF AGRICULTURE

Enter Keyword(s) **GO**

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Home • Feature Stories • Wildfires in all seasons?

Wildfires in all seasons?

Deb Schweizer
USDA Forest Service, Fire Aviation and Management
June 26, 2019

In recent decades the number, severity and overall size of wildfires has increased across much of the U.S. In fact, the 2018 wildfire season in California recorded the largest fire in acres burned, most destructive fire in property loss and deadliest fires in the state's history.

But for many USDA [Forest Service](#) employees, fire season is something they remember from the start of their careers, when they quickly learned there were five seasons: winter, spring, summer, fall and fire season. However, wildfire is year-round for much of the western United States.

The New York Times

Why Does California Have So Many Wildfires?

There are four key ingredients to the disastrous wildfire seasons in the West, and climate change is a key culprit.

The Washington Post

Democracy Dies in Darkness

California's wildfire season is expanding as the wet season becomes compressed

In many cities, the winter rains are arriving later every year

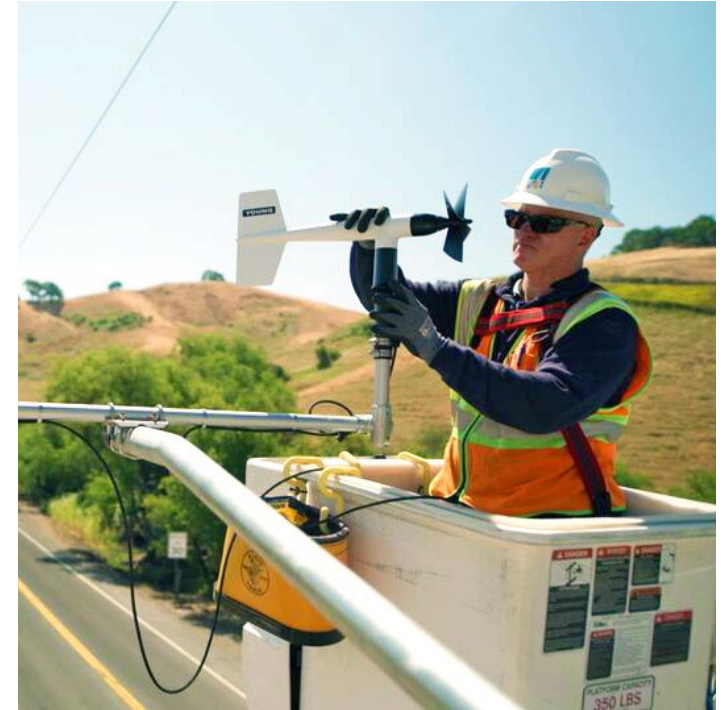
MITIGATE Wildfire Risk



MINIMIZE Customer Impact



MAXIMIZE Situational Awareness





Public Safety Power Shutoff (PSPS)

In 2021, we continued to evolve and improve, keeping our customers safe and reducing the impact of PSPS.

EVENT DETAILS	2019	2020	2021
PSPS Events	7	6	5
Customers Impacted	2,014,000	653,000	80,400
Average Number of Counties Impacted	17	17	10
Average Outage Duration (hours)	43	35	31
Average Outage Restoration Time (hours)	17	10	12



97% notification accuracy



98% Medical Baseline notification accuracy



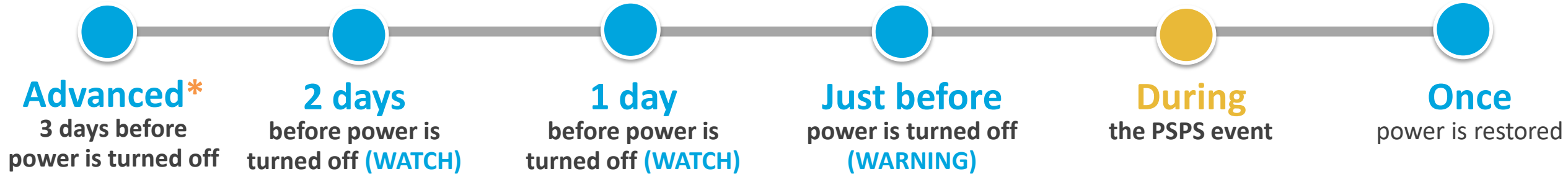
ZIP Code Alerts expanded to both customers and non-customers



How Will Customers be Notified of a PSPS?

When severe weather is forecast, we provide advance notice prior to turning off power and updates until power is restored.

Timing of Notifications (when possible)



*Public Safety Partners only



Notifications sent via automated calls, texts and emails.

We will also use pge.com, social media and will inform local news and radio.

@pacificgasandelectric

@PGE4Me

@pacificgasandelectric

Address Alerts

Receive notifications about PSPS for any location, such as:

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



Enroll at: pge.com/addressalerts

Enhanced Powerline Safety Settings (EPSS)

A new tool to prevent wildfires.

HOW IT WORKS

PG&E powerlines have equipment that allows them to turn off power within one-tenth of a second if a tree branch or other object strikes the line.



WHY WE DO IT

Quickly and automatically shutting off power when there is a problem can **help stop wildfires before they have a chance to start.**

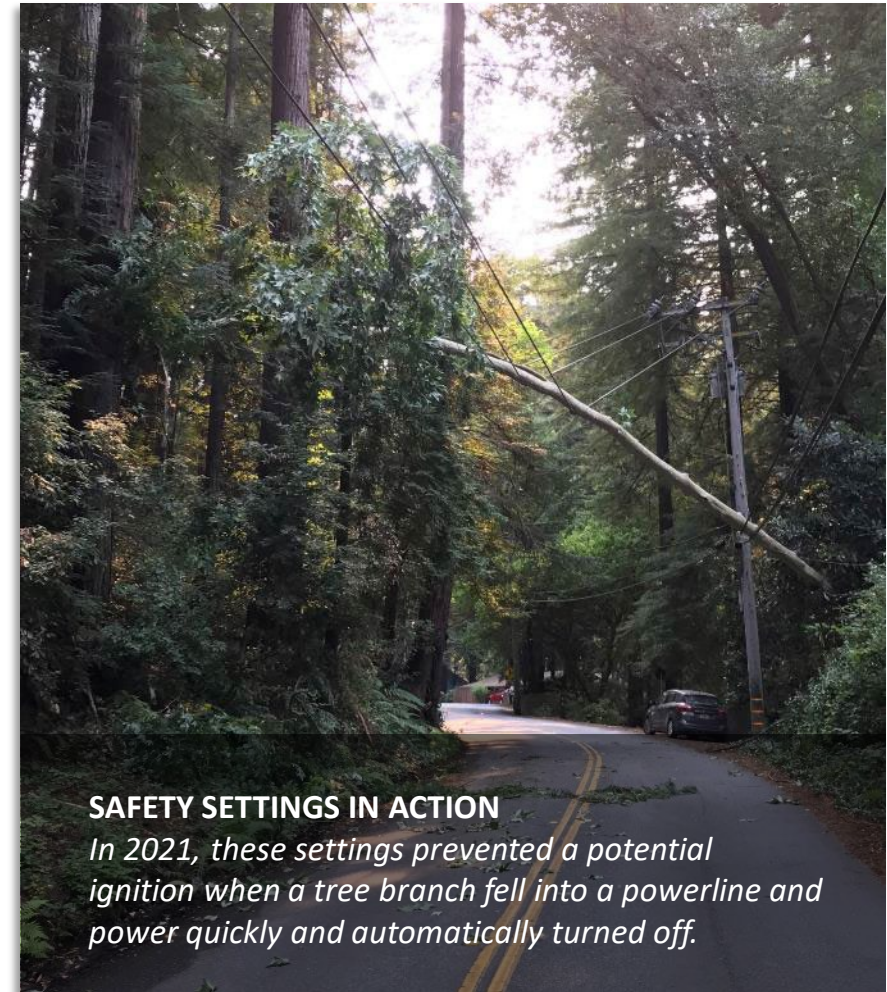


PREVENTING WILDFIRES

~80%

decrease in CPUC-reportable ignitions in 2021 on EPSS-enabled circuits.*

**Compared to the prior three-year average.*



SAFETY SETTINGS IN ACTION

In 2021, these settings prevented a potential ignition when a tree branch fell into a powerline and power quickly and automatically turned off.

What Are Enhanced Powerline Safety Settings?

1 When an **object strikes the line** or a fault occurs...

To help prevent wildfires during the hot and dry season, we adjust the sensitivity settings on our equipment to quickly and automatically turn off power if the system detects a problem.

2 ...protective devices detect the change in current and **shut off power within one-tenth of a second.**

3 **We check the lines for damage before safely restoring power.** This process can take several hours, depending on terrain.

Patrols are done by helicopter, truck or on foot during daylight hours.

POWER OFF

PG&E

For illustrative purposes only. Graphic is not to scale.



EPSS Overview For Hospitals

2021

~170
distribution
circuits

45%
of circuits in
HFTD

7
hospitals on
circuits

Enabled with EPSS

2022

~1,000
distribution circuits*

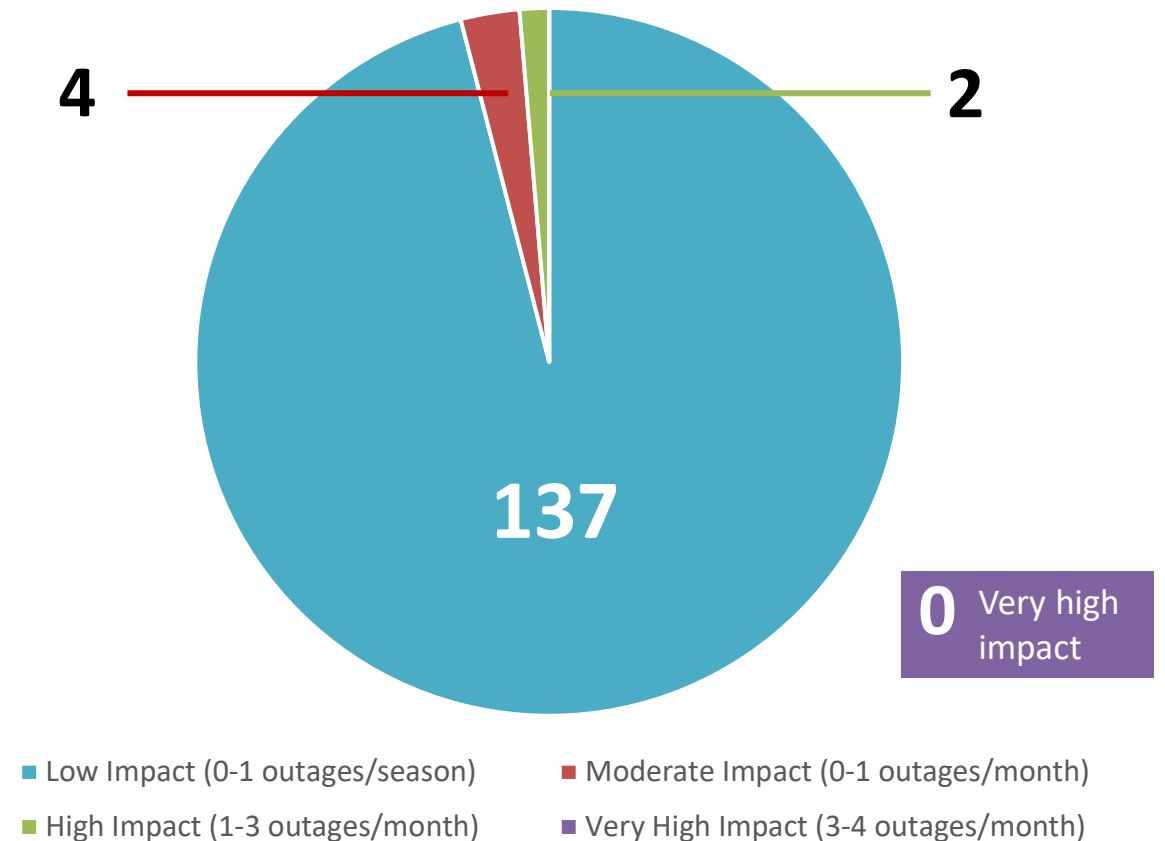
0
hospitals in very high
impact category

100%
of circuits in HFTD
and HFTA

<5%
hospitals in high or
moderate impact category

PG&E's healthcare team will be reaching out to
high-risk hospitals in April

Risk Analysis
Potential impacts for all hospitals in PG&E's service area



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

Re-Engineering Settings



- **Enabling EPSS on all distribution circuits** in/near high-fire threat areas
- **Conducting readiness efforts** to ensure enhanced safety setting protection

Minimizing Outages



- **Fine tuning equipment** to reduce the number and duration of outages
- **Conducting targeted vegetation clearing** to prevent fall-ins

Supporting Customers



- **Promoting awareness and preparedness early**
- **Expanding customer resources**
- **Improving notifications** and estimated restoration times

Outage Types and Demand Response Programs





Types of Outages

	Advanced Notifications			Real-time Notifications		
Why is Power Shut Off?	Rotating Outages	Public Safety Power Shutoff	Planned Maintenance	Emergency Repairs	Active Wildfires	Enhanced Powerline Safety Settings
How Will We Inform Customers?	Advanced notification/regular updates <ul style="list-style-type: none"> ▪ Phone calls* ▪ Emails ▪ Texts ▪ Social media ▪ News releases ▪ Local/Tribal government outreach 	Advanced notification/regular updates <ul style="list-style-type: none"> ▪ Phone calls* ▪ Emails ▪ Texts ▪ Social media ▪ News releases ▪ Local/Tribal government outreach ▪ CBO** outreach 	10-day advance notification <ul style="list-style-type: none"> ▪ Phone calls* ▪ Texts ▪ Emails 	Updates after and during outages <ul style="list-style-type: none"> ▪ Phone calls* ▪ Texts ▪ Emails 	Updates after or during outages <ul style="list-style-type: none"> ▪ Phone calls* ▪ Texts ▪ Emails 	Updates after and during outages <ul style="list-style-type: none"> ▪ Phone calls* ▪ Texts ▪ Emails
Who Makes the Decision?	CAISO, the state's grid operator	PG&E	PG&E	N/A	CAL FIRE or first responder agencies	PG&E

*Via interactive voice recordings (IVR)

**Community-based organization



BIP – Demand Response Program

Program Summary

- BIP Customers are on standby 24/7/365 to provide day-of-load reduction on PG&E’s system when PG&E or CAISO issues a curtailment notice.
- When events are called, participants are given a 30-minute notice to reduce their load down to or below their Firm Service Level (FSL) or face a penalty.

Incentive Payments

- Customers receive monthly incentives based on their potential load reduction regardless of if an event is called.

Penalties For Event Non-Compliance

- \$6.00/kWh excess energy charges

POTENTIAL LOAD REDUCTION

INCENTIVE RATE*

1 kW to 500kW

\$9.50/kW

501 kW to 1000kW

\$10.00/kW

1001 kW and above

\$10.50/kW

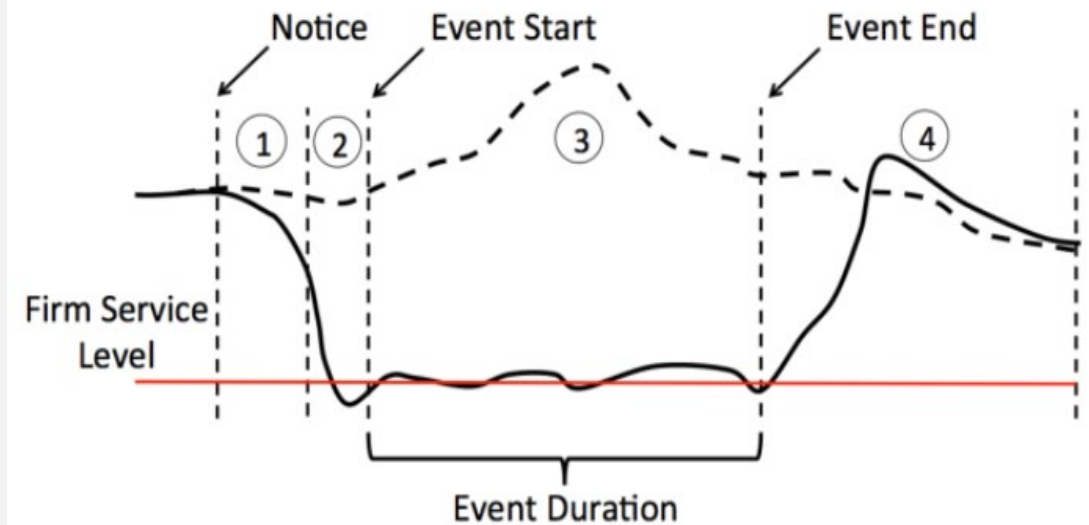
Program Example

250 kW
AVERAGE DEMAND

50 kW
FIRM SERVICE LEVEL (FSL)

$$\text{Monthly Incentive} = (250 - 50) \text{ kW} * \$9.50/\text{kW} =$$

\$1,900/month





ERLP – Demand Response Program

Program Summary

- No penalty option to acquire additional DR capacity to mitigate effects of the anticipated capacity shortfalls on the system.
- Demand reduction and existing Back Up Generation (BUG) allowed
- Pre-notification (day ahead)
- 1-5hr between 4-9PM (May – Oct) - max 60hrs/year
- Easiest entry into DR programs to value stack other DR offerings when ready

Incentive Payments

- \$2/kWh

Program Example	10,000 kWh AVERAGE DAILY USAGE	1,000 kWh ELRP ENROLLMENT
	Event Incentive = 1,000 kWh * \$2/kWh = \$2,000/event	



Customer Support and Resources





More Information and Tools For Customers to Prepare

[Wildfire Safety](#)

[Public Safety Power Shutoff](#)

[Enhanced Powerline Safety Settings](#)

[Customer Planning Map](#)

[PG&E Outage Map](#)

[Resources for Accessibility, Aging,
Financial and Language Needs](#)

[Community Resource Centers](#)

[211](#)

[Backup Power](#)

Please type your question in the Q&A box at the bottom of your screen, press enter.

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Thank You

Thank you for participating in today's webinar.

A recording of the program will be sent to each attendee.

For education questions, contact:
CHA Education at education@calhospital.org