Community Wildfire Safety Program
FIRE SEASON INFORMATION FORUM FOR
NAPA COUNTY SCHOOLS

August 25, 2022
Some of the measures included in this presentation are contemplated as additional precautionary measures intended to further reduce the risk of wildfires.
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Enhanced Powerline Safety Settings (EPSS)
A Technology 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

73% decrease in CPUC-reportable ignitions in 2022 on EPSS-enabled circuits compared to the prior 3-year average as of 7/22

SAFETY SETTINGS IN ACTION
In July, these settings prevented a potential ignition when a tree 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...

2. ...protective devices shut off power within one-tenth of a second.

3. We check the lines for damage before safely restoring power.

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

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### What Schools Can Expect

#### When are outages most likely to occur?
- When elevated fire risk is present.
- Most likely from May to November but can occur throughout the year depending on the wildfire risk.

#### How will schools be notified?
- Through automated calls, texts or emails about when to expect the power back.
- Since outages happen automatically, we are unable to provide advance notification.
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EPSS Overview: Working To Restore Power

**Restoring Power More Quickly**

- Adapting patrol methods to identify outage sources more quickly.
- Installing fault indicators to help patrol crews identify with precision where on a line a fault occurs and safely restore power more quickly.
- PG&E crews now only need to patrol the section of the line from where the power outage originated to the next protective device.
A Look at Napa County
Thank You
Appendix
Public Safety Power Shutoffs (PSPS)
What is a Public Safety Power Shutoff?

High winds and dangerous conditions can cause branches to contact powerlines. This could damage our equipment or cause a wildfire.

To prevent such fires, we may need to turn off power as a last resort.
As we work to build the electric system of the future, with efforts like undergrounding and system hardening, PSPS as a measure of last resort will continue to decline.

PSPS impacts have declined significantly through new, advanced technologies and improvements to the electric system infrastructure.

<table>
<thead>
<tr>
<th></th>
<th>2019</th>
<th>2020</th>
<th>2021</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSPS EVENTS</td>
<td>7</td>
<td>6</td>
<td>5</td>
</tr>
<tr>
<td>CUSTOMERS IMPACTED</td>
<td>2,014,000</td>
<td>653,000</td>
<td>80,400</td>
</tr>
<tr>
<td>DAMAGE/HAZARDS</td>
<td>722</td>
<td>257</td>
<td>442</td>
</tr>
<tr>
<td>AVERAGE OUTAGE DURATION (HRS)</td>
<td>43</td>
<td>35</td>
<td>31</td>
</tr>
<tr>
<td>AVERAGE RESTORATION TIME (HRS)</td>
<td>17</td>
<td>10</td>
<td>12</td>
</tr>
</tbody>
</table>

Data is approximate
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## Differences Between PSPS and Safety Settings

### Public Safety Power Shutoffs
Turning off power to prevent tree branches and debris from contacting energized lines

**WHEN**
During times of high winds, low humidity and dry vegetation

**NOTIFICATIONS**
In advance through automated calls, texts, and emails along with real-time updates

**2022 FOCUS**
Continuing to refine the program and reducing impacts in the areas at highest risk

### Enhanced Powerline Safety Settings
Turning off power automatically within one-tenth of a second if a problem is detected on the line.

**WHEN**
Elevated wildfire risk is present, most likely from May to November, but can occur year-round.

**NOTIFICATIONS**
After the outage occurs. Advance notice cannot be provided due to the adjusted settings that allow power to automatically shut off. Regular updates are also provided.

**2022 FOCUS**
Expanding from ~45% HFTD to 100% of HFRA circuits, increasing customer outreach & improving reliability.
This year, we will be making a change to the timing of Public Safety Power Shutoff (PSPS) notifications and will send them during both day and night, as needed.

**WHAT’S CHANGED?**

<table>
<thead>
<tr>
<th>Prior Years</th>
<th>2022</th>
</tr>
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<tbody>
<tr>
<td>We did not send notifications between 9 p.m. and 8 a.m.</td>
<td>Notifications may be received between 9 p.m. and 8 a.m.</td>
</tr>
</tbody>
</table>

**WHY THE CHANGE?**

- This update is based on requirements from the California Public Utilities Commission.
- An outage, change in weather or power coming back on can happen overnight. If that occurs, we will now notify you between 9 p.m. and 8 a.m.

Note: Opting out of notifications after dry, windy weather has passed will be unavailable.

**PG&E resources to help you prepare now:**

- Receive PSPS notifications for any address at pge.com/addressalerts
- Find resources and support at pge.com/pspsresources
- Update your contact information at pge.com/psps

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Customer Resources and Support
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**Portable Battery Program**
Supporting eligible customers with fully subsidized portable battery solutions.

[link](pge.com/pspsresources)

**California Foundation for Independent Living Centers**
Providing qualifying customers with hotel stays, food stipends and more.

[link](cfilc.org)

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**Generator and Battery Rebate Program**
Rebates for eligible customers to purchase a qualifying generator or battery.

[link](pge.com/backuppower)

**Partnership with 211**
24-7 free and confidential support and resources via calls or texts to 211.

[link](211.org)