Community Wildfire Safety Program
Lake and Mendocino Counties

June 17, 2020
Safety

We know that everyone is currently focused on the response to COVID-19.

We appreciate your participation during this challenging time and hope the following information is helpful in understanding how PG&E is working to reduce wildfire risk.
Introductions

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Topics For Today

- Your Local Electric System
- What Is Public Safety Power Shutoff?
- Lessons Learned and 2020 Improvements
- Local Progress to Help Prevent Wildfires
- Preparing for Public Safety Power Shutoffs
- Open Discussion
Your Electric System In Lake and Mendocino
The California Public Utilities Commission (CPUC) has a map that designates areas that are most at risk for wildfire.

- Tier 3 areas are at extreme risk
- Tier 2 areas are at elevated risk

This map helps PG&E to plan and prioritize wildfire prevention efforts.

~50 percent of PG&E’s service area is in high fire threat districts

The map can be accessed at: [cpuc.ca.gov/FireThreatMaps](http://cpuc.ca.gov/FireThreatMaps)

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What Is A Public Safety Power Shutoff?
If severe weather threatens a portion of the electric system, it may be necessary for PG&E to turn off electricity in the interest of public safety.

The most likely electric lines to be turned off for safety are those that pass through Tier 2 or Tier 3 areas.

Power lines travel long distances. That means your power can be affected by high winds and severe weather that threaten the system miles away.
What Weather Could Lead to a PSPS?

While no single factor will drive a Public Safety Power Shutoff, some factors include:

- **A RED FLAG WARNING** declared by the National Weather Service
- **LOW HUMIDITY LEVELS** generally 20% and below
- **FORECASTED SUSTAINED WINDS GENERALLY ABOVE 25 MPH AND WIND GUSTS IN EXCESS OF APPROXIMATELY 45 MPH**, depending on location and site-specific conditions such as temperature, terrain and local climate
- **CONDITION OF DRY FUEL** on the ground and live vegetation moisture content
- **ON-THE-GROUND, REAL-TIME OBSERVATIONS** from PG&E’s Wildfire Safety Operations Center and field observations from PG&E crews

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How Often Will A PSPS Event Occur?

Below is an estimate of potential PSPS events in your communities based on a review of 30 years of weather data.

The number of events in any particular year will be exclusively driven by the weather pattern experienced and the above historical weather analysis may not be representative of the experience in a particular year.
How Are We Improving For This Year?

**SMALLER IN SIZE**
Reduce the number of customers impacted by PSPS events by one-third compared to 2019

**SHORTER IN DURATION**
Restore customers twice as fast after severe weather has passed

**SMARTER FOR CUSTOMERS**
Provide more accurate/timely communications and additional resources
Deliver more assistance for customers before, during and after a PSPS event

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How Are We Improving For This Year?

GOAL:
Reduce the number of customers impacted by PSPS events by one-third compared to 2019

WHAT WE’RE DOING:
- Installing sectionalizing devices on the transmission and distribution systems capable of re-directing power and limiting the size of outages
- Developing microgrids that use generators to keep the lights on
- Conducting targeted undergrounding as part of system hardening

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How Are We Improving For This Year?

SHORTER IN DURATION

GOAL:
Restore customers twice as fast after severe weather has passed

WHAT WE’RE DOING:

▪ Adding more field crews to speed inspection of lines
▪ Expanding helicopter fleet from 35 to 65 for aerial line inspections
▪ Commissioning two new airplanes for aerial line inspections
▪ Utilizing infrared equipment to inspect at night

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How Are We Improving For This Year?

SMARTER FOR CUSTOMERS

GOALS:
Provide more accurate/timely communications and additional resources
- AND -
Deliver more assistance before, during and after a PSPS event

WHAT WE’RE DOING:
- Enhancing meteorology technology to pinpoint location and timing of severe weather
- Bolstering website capacity
- Improving customer alerts and notifications
- Upgrading Community Resource Centers
- Improving coordination with local agencies and critical service providers
- Working with the California Foundation for Independent Living Centers (CFILC) and other Community-Based Organizations to support customers with medical needs
- Making it easier for eligible customers to join and stay in the Medical Baseline program
- Expanding in-language communications

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Local Progress To Help Prevent Wildfires
Advanced Weather Station Network

We’re adding advanced weather stations to better understand how severe weather can impact our system and proactively respond to potential threats.

MAP LEGEND:
- PG&E Weather Station
- Remote Automated Weather Stations (RAWS) within PG&E’s service area

Data is publicly available at
mesowest.utah.edu
pge.com/weather

To sign up for daily email alerts regarding PSPS potential, visit cloud.em.pge.com/PSPS-7day-Signup.

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Sectionalizing The Electric Grid To Limit PSPS Impacts

We’re installing new sectionalizing devices that separate the grid into smaller parts to limit the number of customers impacted during a PSPS event.

We are installing 600 new sectionalizing devices this year:

- **11** devices planned for Lake County
- **19** devices planned for Mendocino County

We are also working to add remote and/or automated capabilities to many of the devices in order to further reduce the number of customers who are impacted by a public safety power shutoff.
We are working to lessen PSPS impacts through establishing additional temporary microgrids that can utilize backup generation sources to keep portions of communities energized.

In 2020, PG&E will have a portfolio of temporary generation assets that will support some of these microgrid locations across our service area.

- **50+** sites currently being considered across PG&E’s service area
- **6** sites considered for Lake County
- **10** sites considered for Mendocino County

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Enhancing Vegetation Work In Your Community

We are exceeding state vegetation and fire safety standards by addressing vegetation that poses a higher potential for wildfire risk to maximize the safety of our customers and communities.

<table>
<thead>
<tr>
<th>COUNTY</th>
<th>2020 TARGET</th>
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<tbody>
<tr>
<td>LAKE</td>
<td>34 LINE MILES</td>
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<tr>
<td>MENDOCINO</td>
<td>48 LINE MILES</td>
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</table>

*Work plan is subject to change due to weather, access or other scheduled constraints.

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Preparing For Public Safety
Power Shutoffs
Advance PSPS Alerts For Customers

We provide advance notice prior to turning off power and updates until power is restored. This year, notifications will include more details about when the power will be shutoff and restored.

Timing of Notifications (when possible)

- **2 days** before power is turned off
- **1 day** before power is turned off
- **Just before** power is turned off
- **During** the PSPS event
- **Once** power has been restored

Notifications will provide an estimated window of time when the power will be shutoff and restored.

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Direct Customer Notifications
We will attempt to reach customers through calls, texts and emails.

Additional Updates
We will also use social media and keep local news and radio outlets informed and updated.

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Community Resource Centers (CRCs)

**CRCs provide customers and residents with a safe, ADA accessible location** with basic resources, as well as up-to-date information. The following resources may be available:

- Heating and cooling
- Power strips to charge devices
- Bottled water
- Non-perishable snacks/fruit
- Wi-Fi service
- Coffee/tea
- Blankets
- ADA-compliant toilets and hand washing stations
- Security personnel
- Chairs and tables

During a PSPS event, the locations will be made available on [pge.com/pspsupdates](http://pge.com/pspsupdates) and via social media, local news and radio.

If social distancing measures remain in place due to COVID-19, we will be incorporating alternative solutions like mobile, popup or reconfigured CRCs.
Additional Support for People with Disabilities and Older Adults

PG&E is working with the California Foundation for Independent Living Centers (CFILC) to fund resources to help prepare for disasters and extended power outages.

PSPS event specific AFN resources will be posted at pge.com/afn. Press releases, radio advertisements and leveraging our network of CBOs will also be used to communicate with customers who depend on power for medical and independent living needs when possible during events.

**Application Process:** The CFILC will determine who qualifies for resources. Medical needs and income will be taken into account.

Applications are available online or at Independent Living Centers (ILCs) and will be accepted at regional ILC locations. More information is available through these ILC locations:

- **Disability Services and Legal Center (DSLC)**
  - 707-528-2745
  - 521 Mendocino Avenue, Santa Rosa, CA 95401

- **DSLC Mendocino/Lake Satellite Office**
  - 707-463-8876
  - 415 Talmage, Suite B, Ukiah, CA 95482

- **DSLC Napa Satellite Office**
  - 707-258-0276
  - 1820 Jefferson Street, Napa, CA 94559

**Coordination of resources takes time.** Individuals are encouraged to engage with their local ILC and plan before a PSPS event is imminent.

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**Resources include:**

- Portable backup power
- Emergency preparedness assistance
- Accessible transportation
- Hotel vouchers and food stipends
- Medical Baseline application assistance

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Where To Go For Additional Information

DO WE HAVE YOUR CURRENT CONTACT INFORMATION? pge.com/mywildfirealerts

WEATHER AND PSPS FORECASTING
Live weather information, a 7-day PSPS potential lookahead and images from PG&E’s high-definition cameras deployed in high fire-threat areas. pge.com/weather

SAFETY ACTION CENTER
Information about wildfire risks and what customers can do before, during and after an emergency to keep their home, family or business safe. safetyactioncenter.pge.com

BACKUP POWER
Information on backup power options, safety tips, financing options, a marketplace to search major backup power retailers and more. pge.com/backuppower

MEDICAL BASELINE
Learn more about PG&E’s Medical Baseline program for those who rely on power for medical devices. pge.com/medicalbaseline

KEEP UP TO DATE DURING A PSPS EVENT pge.com/PSPSUpdates

For more information about our Community Wildfire Safety Program, please: Call 1-866-743-6589 Email wildfiresafety@pge.com Visit pge.com/wildfiresafety

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Appendix
# 2019 PSPS Overview

## EVENT DETAILS

<table>
<thead>
<tr>
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<th>OCT 9 - 12</th>
<th>OCT 23 - 25</th>
<th>OCT 26 - NOV 1</th>
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<td>240</td>
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<td><strong>MENDOCINO</strong></td>
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<tr>
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<tr>
<td>MAX. OUTAGE LENGTH</td>
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<td>51</td>
<td>119</td>
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Note: All data is subject to change based on ongoing data reconciliation.

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We expect to be able to restore power to most customers **within 12 daylight hours after extreme weather has passed**, a **50 percent improvement** from 2019.

**WEATHER ALL CLEAR**

**PATROL & INSPECT**
Crews visually inspect for damage by **vehicle, foot and air**

**ISOLATE & REPAIR DAMAGE**
Crews **isolate and fix damage**

**RESTORE POWER**
The **PG&E Control Center** restores power to customers

**NOTIFY CUSTOMERS**
Customers are notified that **power has been restored**

**Note:** Because extreme weather can last several hours or days, for planning purposes, we suggest customers prepare for outages that could last multiple days.

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Monitoring For Wildfires

We’re supporting the installation of new HD cameras in high fire-threat areas, which allow PG&E and first responders to monitor potential wildfire threats in real time.

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