Community Wildfire Safety Program
K-12 Schools

August 13, 2020
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 and reduce impacts from Public Safety Power Shutoffs.
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Topics For Today

- What Is A Public Safety Power Shutoff?
- Lessons Learned And 2020 Improvements
- Resources For K-12 Schools
- Open Discussion
What Is A Public Safety Power Shutoff?
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What Is A Public Safety Power Shutoff?

High winds can cause tree branches or debris to contact energized electric lines, which could damage our equipment and cause a major wildfire. We may need to turn off power during severe weather for public safety to prevent such fires. This is called a Public Safety Power Shutoff (PSPS).

Power lines travel long distances. That means your power can be affected by high winds and severe weather that threaten the system miles away.

The most likely electric lines to be turned off for safety are those that pass through Tier 2 or Tier 3 areas.
### What Weather Could Lead To A PSPS?

As each weather situation is unique, we carefully review a combination of factors when deciding if power must be turned off. Some factors include:

<table>
<thead>
<tr>
<th>Factor</th>
<th>Description</th>
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<tr>
<td><strong>LOW HUMIDITY LEVELS</strong></td>
<td>generally 20% and below</td>
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<tr>
<td><strong>FORECASTED WINDS</strong></td>
<td>above 25 mph and gusts above 45 mph</td>
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<td><strong>CONDITION OF DRY MATERIAL</strong></td>
<td>on the ground and live vegetation (e.g., moisture content)</td>
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<td><strong>A RED FLAG WARNING</strong></td>
<td>declared by the National Weather Service</td>
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<td><strong>ON-THE-GROUND, REAL TIME OBSERVATIONS</strong></td>
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How Often Will PSPS Events Occur?

30-Year Weather Analysis

PG&E analyzed 30 years of high-resolution data covering ~80 billion data points, as well as 26 years of wildfire data in our service area to help determine the average likelihood and frequency of a PSPS event.

The following weather model data points were analyzed:

- Wind Speed
- Relative Humidity
- Dead Fuel Moisture (4 Types)
- Wind Gust
- Precipitation
- Live Fuel Moisture
- Temperature
- Fosberg Fire Weather Index
- National Fire Danger Rating System Outputs (4 Main Outputs)

Regional webinars with county-specific maps can be accessed at:

pge.com/wildfirewebinar

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Lessons Learned And 2020 Improvements
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How Are We Improving For This Year?

**SMALLER IN SIZE**
Reduce the number of customers affected by a PSPS event by one-third compared to last year

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

**SMARTER FOR CUSTOMERS**
Provide better information and additional resources
Provide more assistance before, during and after a PSPS event
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**How Are We Improving For This Year?**

**GOAL:**
Reduce the number of customers affected by a PSPS event by one-third compared to last year

**WHAT WE’RE DOING:**
- Installing **devices that limit the size of outages**
- Installing microgrids
- Placing lines underground in targeted locations
- Using **better weather monitoring technology and installing new weather stations**

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

**WHAT WE’RE DOING:**
- Deploying more PG&E and contractor crews for inspection and restoration efforts
- Expanding helicopter fleet from 35 to 65 and using two new airplanes for aerial line inspections
- Utilizing infrared equipment to inspect at night
How Are We Improving For This Year?

SMARTER FOR CUSTOMERS

GOALS:

Provide better information and additional resources
- AND -
Provide more assistance before, during and after a PSPS event

WHAT WE’RE DOING:

- Improving PG&E’s website bandwidth
- Improving customers notifications
- Opening Community Resource Centers
- Working more collaboratively with local agencies and critical service providers
- Working with the California Foundation for Independent Living Centers (CFILC) and community-based organizations (CBOs)
- Making it easier for eligible customers to join and stay on the Medical Baseline Program
- Providing emergency information in 13 languages

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Resources For K-12 Schools
We are incorporating feedback from schools and educators about how we can do better and help schools better prepare for PSPS events.

Based on your feedback, we are working to improve:

<table>
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<tr>
<th>PSPS Planning and Event Maps</th>
<th>Customer Notifications</th>
<th>Coordination</th>
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<tr>
<td>- Refining our <strong>PSPS planning and event maps</strong></td>
<td>- Better communications including <strong>earlier estimates of restoration timing</strong></td>
<td>- <strong>Improving coordination</strong> with offices of education and local emergency services</td>
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<tr>
<td>- Providing event-specific maps showing <strong>which areas may be impacted</strong> by the PSPS event</td>
<td>- <strong>Improving PG&amp;E’s website bandwidth</strong> to provide information for all customers</td>
<td>- Designating schools as critical facilities, which includes:</td>
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<td>- Developing an “all-in-one” map that includes both PSPS planned outages and actual outages</td>
<td>- <strong>Links for where to find detailed information</strong> about potentially affected communities</td>
<td>- <strong>Advanced communication</strong> before and during outages, where possible</td>
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<td></td>
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<td>- <strong>Prioritized restoration</strong> to the extent possible</td>
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Advance PSPS Notifications 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 it’s anticipated that the power will be shut off 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 shut off and restored.

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

Additional Updates
We will also use social media and keep local news and radio outlets informed and updated.
PG&E’s ZIP Code Alert tool allows anyone, including non-account holders, to be notified of potential public safety outages.

- **Notifications will be based on the ZIP Code selected** and will not provide address-specific notifications.
- The subscriber can **select one or more ZIP Code** that they want to receive PSPS notifications for, or **all ZIP Codes in PG&E’s service territory**.
- Notifications will be shared via **automated calls, texts and emails**.
- No username or password is required.
- To sign up for ZIP Code Alerts call **1-877-900-0743** or text “**ENROLL**” to **97633**.

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Website Improvements And Map Refinement

We are **improving our website bandwidth** and **refining our PSPS planning and event maps** to help the communities and critical facilities we serve plan for and coordinate during PSPS events.

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PG&E PPS Outage Alert
10/5/20: Due to weather PG&E may turn off power for safety at 1234 EL ANYWHERE COURT on 10/7/20. Estimated shutoff: 6:00pm – 10:00pm. Estimated restoration: 10/8/20 by 4:00 pm. Changes in weather can affect shutoff & restoration times. pge.com/pspsupdates

Reply w/ “1” to verify receipt.

If you rely on power to operate life-sustaining medical devices or have access and functional needs, additional support may be available. For more information, visit pge.com/specialresources.

If this is not the correct phone number for 1234 EL ANYWHERE COURT, press 2.

Press # to repeat this message.

Thank you. Goodbye.
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"PSPS Warning" Notifications Scripts – General Customers

PG&E PSPS Outage Alert
10/7/20: PG&E will turn off power for safety at 1234 EL ANYWHERE COURT on 10/7/20. Estimated shutoff: 6:00pm – 10:00pm or later if weather improves. Estimated restoration: 10/8/20 by 4:00 pm depending on weather & equipment damage. Info: pge.com/pspsupdates Reply w/ “1” to verify receipt.
PG&E’s dedicated weather webpage offers a **7-day PSPS potential forecast** that indicates the potential weather conditions that could necessitate a PSPS.

The 7-day PSPS potential forecast is updated daily by PG&E’s meteorology team.

PG&E’s weather webpage also offers an interactive weather map updated in real time using information from weather stations and cameras throughout PG&E’s service territory.

To sign up for daily email notifications regarding PSPS, visit [cloud.em.pge.com/PSPS-7day-Signup](http://cloud.em.pge.com/PSPS-7day-Signup).

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Community Resource Centers (CRCs)

During a PSPS event, PG&E will open CRCs to provide a safe location where community members can access basic resources, as well as up-to-date information. The following resources may be available:

- Heating and cooling
- Device charging
- Bottled water
- Non-perishable snacks
- Wi-Fi service
- Coffee/tea
- Blankets
- ADA-compliant restrooms and hand washing stations
- Security personnel
- Chairs and tables

During a PSPS event, CRC locations will be shared on pge.com/pspsupdates and via social media.

COVID-19 CONSIDERATIONS

PG&E is adapting our approach to CRCs to reflect appropriate COVID-19 public health considerations. We will offer Micro CRCs (smaller, open air tents) and Mobile CRCs (vans) to supplement Indoor CRCs if shelter-at-home and physical distancing recommendations prevent the use of Indoor CRCs.

We are also taking measures to:

- Require facial coverings in accordance with state and county guidelines
- Administer temperature checks before entering indoor facilities
- Limit attendance to maintain physical distancing
- Regularly sanitize surfaces

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STAY UP TO DATE DURING A PSPS EVENT

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.

pge.com/PSPSUpdates

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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

WILDFIRE SAFETY CURRICULUM
Activity books and online games that teach students about wildfire safety and how to prepare for emergencies will be available at the Safety Action Center.

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

PREPARING FOR OUTAGES
Tips for making a safety plan, building an emergency kit, planning for medical needs and more.

prepareforpowerdown.com
Learn More

Additional Information
- For more information about PG&E’s Community Wildfire Safety Program, please visit pge.com/wildfiresafety.
- For additional questions, please contact your PG&E representative or email your questions to wildfiresafety@pge.com.

Students and Parents
- We are conducting focus groups to gather feedback from parents to learn how we can provide additional support for students and parents.
- We are also developing activity booklets and interactive, digital materials to teach students about wildfire safety and how to prepare for outages, which will be available at the Safety Action Center at safetyactioncenter.pge.com.

California Department of Education
- For information and resources about Public Safety Power Shutoffs from the California Department of Education, please visit cde.ca.gov/ls/ep/publicsafetyshutoff.asp.

Wildfire Safety Webinars
- For more information about PG&E’s wildfire safety efforts in your community, region-specific webinars are available at pge.com/wildfirewebinar.
- Today’s K-12 Schools Wildfire Safety Webinar will also be available at pge.com/wildfirewebinar in the coming days.

Help Us Learn
- To share your suggestions about how PG&E can help schools and students prepare for and stay safe during outages, please email wildfiresafety@pge.com.

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