Community Wildfire Safety Program
Monterey, San Benito and Santa Cruz Counties

June 24, 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

<table>
<thead>
<tr>
<th>Name</th>
<th>Position</th>
</tr>
</thead>
<tbody>
<tr>
<td>Vanessa Bryan</td>
<td>Manager, Local Customer Experience</td>
</tr>
<tr>
<td>Rob Morse</td>
<td>Senior Manager, Central Coast Division</td>
</tr>
<tr>
<td>Pat Mullen</td>
<td>Senior Manager, Kern and Los Padres Division</td>
</tr>
<tr>
<td>Stew Roth</td>
<td>Public Safety Specialist</td>
</tr>
<tr>
<td>Frank Fraone</td>
<td>Public Safety Specialist</td>
</tr>
<tr>
<td>Matt Pender</td>
<td>Director, Community Wildfire Safety Program</td>
</tr>
</tbody>
</table>

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

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Your Electric System In Monterey, San Benito and Santa Cruz
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

### Local CPUC High Fire-Threat District (HFTD) Map

<table>
<thead>
<tr>
<th>County</th>
<th>Overhead Line Miles</th>
<th>Distribution Line Miles</th>
<th>Transmission Line Miles</th>
<th>In HFTD</th>
</tr>
</thead>
<tbody>
<tr>
<td>Monterey County</td>
<td>2,907</td>
<td>775</td>
<td>678</td>
<td>178</td>
</tr>
<tr>
<td>San Benito County</td>
<td>775</td>
<td>179</td>
<td>194</td>
<td>92</td>
</tr>
<tr>
<td>Santa Cruz County</td>
<td>1,475</td>
<td>880</td>
<td>100</td>
<td>67</td>
</tr>
</tbody>
</table>

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?
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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.

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**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:

<table>
<thead>
<tr>
<th>Factor</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>A RED FLAG WARNING</td>
<td>declared by the National Weather Service</td>
</tr>
<tr>
<td>LOW HUMIDITY LEVELS</td>
<td>generally 20% and below</td>
</tr>
<tr>
<td>FORECASTED SUSTAINED WINDS GENERALLY ABOVE 25 MPH AND WIND GUSTS</td>
<td>depending on location and site-specific conditions such as temperature, terrain and local climate</td>
</tr>
<tr>
<td>CONDITION OF DRY FUEL</td>
<td>on the ground and live vegetation moisture content</td>
</tr>
<tr>
<td>ON-THE-GROUND, REAL-TIME OBSERVATIONS</td>
<td>from PG&amp;E’s Wildfire Safety Operations Center and field observations from PG&amp;E crews</td>
</tr>
</tbody>
</table>

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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.

Monterey County
1 event per year on average

San Benito County
1 event per year on average

Santa Cruz County
1-2 events per year on average

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.

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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 LENGTH**
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
- Developing microgrids
- Conducting targeted undergrounding

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

WHAT WE’RE DOING:
- Adding more field crews
- Expanding helicopter fleet from 35 to 65 and commissioning 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 more timely communications and additional resources
- AND -
Deliver more assistance before, during and after a PSPS event

WHAT WE’RE DOING:
- Enhancing meteorology technology
- 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 Community-Based Organizations (CBOs)
- Making it easier for eligible customers to join and stay on the Medical Baseline program
- Expanding in-language communications
Local Progress To Help Prevent Wildfires
We’re adding advanced weather stations to better understand how severe weather can impact our system and proactively respond to potential threats.

**Advanced Weather Station Network**

**MONTEREY COUNTY**

- 37 PG&E Stations

**SAN BENITO COUNTY**

- 10 PG&E Stations

**SANTA CRUZ COUNTY**

- 19 PG&E Stations

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Data is publicly available at: [mesowest.utah.edu](mesowest.utah.edu) and [pge.com/weather](pge.com/weather).

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

- **38 devices** planned for Monterey County
- **6 devices** planned for San Benito County
- **20 devices** planned for Santa Cruz 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.

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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>
</tr>
</thead>
<tbody>
<tr>
<td>MONTEREY</td>
<td>181 LINE MILES</td>
</tr>
<tr>
<td>SAN BENITO</td>
<td>0 LINE MILES</td>
</tr>
<tr>
<td>SANTA CRUZ</td>
<td>IN REVIEW**</td>
</tr>
</tbody>
</table>

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

**We have been working closely with Santa Cruz County to review the scope of this work and identify next steps and any permitting needs. The work plan will be established once this review process is completed and any permits needed are acquired. The team will then reach out to residents with advance notification. The work plan is subject to change due to weather, access, presence of resources that need to be protected and/or other schedule constraints.

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Preparing For Public Safety
Power Shutoffs
Advance PSPS Alerts For Customers

This year, we will provide advance notice and more details prior to turning off power and updates until power is 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 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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PG&E PSPS 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.
"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.

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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:

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

During a PSPS event, the locations will be made available on pge.com/pspupdates and via social media, local news and radio.

If physical distancing measures remain in place due to COVID-19, we will be incorporating alternative solutions like mobile, pop-up or reconfigured CRCs.

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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. We will also leverage our network of CBOs 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.

Resources include:

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

Central Coast Center for Independent Living (CCCIL)
831-757-2968
318 Cayuga Street, Suite 208, Salinas, CA 93901

CCCIL Satellite Office
831-462-8720
1350 41st Ave, Suite 101, Capitola, CA 95010

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

cflic.org
disabilitydisasteraccess.org

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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

<table>
<thead>
<tr>
<th>EVENT DETAILS</th>
<th>OCT 9 - 12</th>
<th>OCT 26 - NOV 1</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>MONTEREY</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>CUSTOMERS IMPACTED</td>
<td>-</td>
<td>~10,000</td>
</tr>
<tr>
<td>PEAK WIND GUSTS</td>
<td>-</td>
<td>36</td>
</tr>
<tr>
<td>DAMAGE/HAZARDS</td>
<td>-</td>
<td>1</td>
</tr>
<tr>
<td>MAX. OUTAGE LENGTH (HRS)</td>
<td>-</td>
<td>~66</td>
</tr>
<tr>
<td><strong>SAN BENITO</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>CUSTOMERS IMPACTED</td>
<td>-</td>
<td>~1,400</td>
</tr>
<tr>
<td>PEAK WIND GUSTS</td>
<td>-</td>
<td>32</td>
</tr>
<tr>
<td>DAMAGE/HAZARDS</td>
<td>-</td>
<td>0</td>
</tr>
<tr>
<td>MAX. OUTAGE LENGTH (HRS)</td>
<td>-</td>
<td>~65</td>
</tr>
<tr>
<td><strong>SANTA CRUZ</strong></td>
<td>~40,500</td>
<td>~48,500</td>
</tr>
<tr>
<td>PEAK WIND GUSTS</td>
<td>54</td>
<td>71</td>
</tr>
<tr>
<td>DAMAGE/HAZARDS</td>
<td>18</td>
<td>40</td>
</tr>
<tr>
<td>MAX. OUTAGE LENGTH (HRS)</td>
<td>~84</td>
<td>~98</td>
</tr>
</tbody>
</table>

**Note:** All data is subject to change based on ongoing data reconciliation.

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How Is PG&E Improving Restoration Times?

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.

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

Images publicly available at
alertwildfire.org
pge.com/weather

PG&E HD Camera
Non-PG&E Camera that looks into PG&E’s service area

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