Slide 1: Introduction

- Thank you for taking the time to meet with us today to discuss our Community Wildfire Safety Program (CWSP).
- Today, we want to talk about what we are doing to reduce the threat of wildfire locally and systemwide, and the opportunities for us to work together to improve the Public Safety Power Shutoff program (PSPS) in 2020.

Slide 2: Safety

- We know that everyone is currently focused on staying safe from COVID-19 and appreciate your participation during this challenging time.
- Guidance has been developed to identify the essential work that must continue for the benefit of our customers and communities, and this includes work associated with CWSP.
- We understand the importance of keeping the lights on, especially given the current stay-at-home orders. We are determined to do everything possible to address both the impact of the COVID-19 pandemic and the threat of catastrophic wildfires. Our overriding goal is to ensure public safety and PSPS is an important tool for doing so.
- This situation is evolving, and we will continue to adjust our work as necessary to deliver safe, reliable energy and to keep our customers, communities and employees safe.

Slide 3: Community Wildfire Safety Program / Topics for Today

- With the complex wildfire threat our state faces, PG&E has a vital responsibility to enhance and expand our wildfire safety efforts to further reduce wildfire risks and keep our customers and the communities we serve safe.
- Our Community Wildfire Safety Program includes short-, medium- and long-term plans to make our system safer, such as:
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    - With the complex wildfire threat our state faces, PG&E has a vital responsibility to enhance and expand our wildfire safety efforts to further reduce wildfire risks and keep our customers and the communities we serve safe.
    - Our Community Wildfire Safety Program includes short-, medium- and long-term plans to make our system safer, such as:
• We all rely on electricity for everyday life and we want to work together with our customers on solutions that can prevent wildfires and keep our communities safe.

Slide 4: PG&E’s Electric System

PG&E: النظام الكهربائي لدى PG&E

Slide 5: Wildfire Risks Across PG&E’s Service Territory

PG&E: مخاطر حرائق الغابات عبر أنحاء المنطقة التي تخدمها PG&E

• High temperatures, extreme dryness and record-high winds have created conditions in our state where any spark at the wrong time and place can lead to a major wildfire.

• More than half of the area where our customers live and work is at high risk for wildfires.

• With the increased wildfire threat our state faces, PG&E is enhancing and expanding our efforts to reduce wildfire risks and keep our customers and communities safe.

Slide 6: What Is A Public Safety Power Shutoff?

PG&E: ما المقصود بقطع التيار الكهربائي من أجل السلامة العامة?

Slide 7: What Is A Public Safety Power Shutoff? (PSPS)

(PSPS): ما المقصود بقطع التيار الكهربائي من أجل السلامة العامة?

• 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. This is called a Public Safety Power Shutoff.

• This year, PG&E is improving our PSPS program by making events smaller in size, shorter in length and smarter for our customers.

• The sole purpose of a PSPS is to reduce the risk of major wildfires during severe weather.

• With more than half of the area where our customers live and work now at high risk for wildfires, PSPS is an important tool for keeping customers and communities safe.

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We know that turning off power can prevent wildfires, but also disrupts lives and can include its own risks, particularly for those who need power for medical equipment. We are listening to our customers about how we can do better by taking feedback and acting on what we hear. This year, we are focused on making PSPS events:

- Smaller in size: We are upgrading our electric system to prevent wildfires and reduce the size of PSPS events by one-third compared to 2019.
- Shorter in length: We are seeking to cut restoration times in half compared to 2019 so that we restore power within 12 daylight hours after severe weather has passed.
- Smarter for customers: We are refining our weather models and providing better information and resources to customers and communities.

No single factor drives a PSPS event, these factors generally include:

- A Red Flag Warning
- Low humidity levels
- Forecasted sustained winds
- Condition of dry fuel on the ground
- On-the-ground, real-time observations

For more information on what we do as an electric company to prepare for and respond to severe weather, please visit www.pge.com. We strive to provide the energy our customers need while also making energy safer and more reliable, protecting the environment, and inspiring a bright digital future. For further information about how to improve safety, visit www.pge.com/safety.
Slide 10: How Are We Improving For This Year? (cont.)

- Smaller in size:
  - Installing more than 600 devices capable of re-directing power and limiting the size of outages so fewer communities are without power.
  - Installing microgrids that use generators to keep the lights on for whole communities.
  - Conducting targeted undergrounding as part of system hardening.

- Shorter in duration:
  - 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.

- Smarter for customers:
  - Provide more accurate/timely communications and additional resources:
    - Enhancing meteorology technology to pinpoint severe weather.
    - Bolstering website capacity.
    - Improving customer alerts and notifications.
    - Upgrading Community Resource Centers.
    - Improving coordination with local agencies and critical service providers.
  - Deliver more assistance before, during and after a PSPS event.
  - Working with the California Foundation for Independent Living Centers and other Community Based Organizations to support vulnerable customers.
  - Making it easier for eligible customers to join and stay in the Medical
Baseline program

- تسهيل التحقق العملاء المؤهلين برقم جمهور المعلومات الطبية الأساسية والبقاء فيه
- Expanding in-language communications
  توسيع المراسلات باللغات

Slide 13: Progress to Help Prevent Wildfires

Slide 14: Wildfire Mitigation Plan 2019 vs. 2020 by the Numbers

- We have provided details regarding the work we conducted in 2019 and the work we are targeting in 2020.

- As you can see, we are taking immediate and comprehensive actions to upgrade our infrastructure, monitor fire threats in real time and institute new wildfire safety measures throughout our service territory.

• We're hardening our infrastructure with stronger poles, covered power lines and targeted undergrounding.

Slide 15: Vegetation Management

- In response to the growing wildfire threat, we have expanded and enhanced our vegetation and safety work. This includes addressing vegetation that poses a higher potential for wildfire risk in high fire-threat areas.

- Our Enhanced Vegetation Management work includes the following:
  o Exceeding state standards for minimum clearances around the power lines.
  o Clearing to the sky the limbs and branches that overhang the 4-foot clearance zone around the lines.
  o Conducting inspections to remove hazardous vegetation such as dead, diseased, dying or defective trees that pose a potential risk to the lines or equipment, in addition to our routine patrols.
  o Evaluating the condition of trees that may need to be addressed if they are tall enough to strike the lines or equipment.

Slide 16: System Hardening and Resiliency

- As part of PG&E’s efforts to prevent wildfires, we are strengthening the electric system to further reduce wildfire risk and better withstand severe weather.

- We’re hardening our infrastructure with stronger poles, covered power lines and targeted undergrounding.
This work is taking place across 7,100 miles of distribution lines over the next several years in the highest fire-threat areas. Electric system hardening work will:

- Help reduce the risk of wildfire due to environmental factors.
- Enhance long-term safety, especially during times of high fire-threat.
- Significantly improve reliability during winter weather.
- Our goal is to harden approximately 240 distribution circuit miles in 2020.

Slide 17: Inspection Plans

Our updated System Inspections Program evaluates our electric infrastructure on an ongoing basis to find and fix potential risks to the safety and reliability of our system. Through the System Inspections Program, PG&E is conducting safety inspections of distribution, transmission and substation equipment throughout our service territory. Continuing in 2020, we are accelerating our inspection cycles beyond compliance regulations to align with wildfire risk.

滑板17: 付款计划

- 我们的最新系统检查计划评估我们的电力基础设施，通过持续的基础查找并修复潜在风险，以确保我们系统的安全和可靠性。
- 通过系统检查计划，PG&E正在对分布、传输和变电站设备进行全面的安全检查，遍布我们的服务区域。
- 在2020年，我们正在加速我们的检查周期，以超越合规要求，与野火风险对齐。

Slide 18: Preparing for Public Safety Power Shutoffs

- We are prioritizing work in areas of extreme (Tier 3) and elevated (Tier 2) wildfire risk as defined by the California Public Utilities Commission (CPUC) High Fire-Threat District Map.
- Electric infrastructure in Tier 3 and Tier 2 areas will be evaluated more frequently, while infrastructure in non-high fire-threat areas will be inspected at least every six years.

滑板18: 准备公共安全停电

- 我们正在优先处理极高火灾威胁区域（Tier 3）和高火灾威胁区域（Tier 2）的工作，这些区域的定义由加州公共事业委员会（CPUC）的高火灾威胁地区地图确定。
- 在Tier 3和 Tier 2区域的电力建设将被更频繁地评估，而非高火灾威胁区域的基础设施至少每六年检查一次。

Slide 19: Advance PSPS Alerts for Customers

- All of the highest-priority conditions found through inspections will be promptly repaired or made safe.

滑板19: 高级公共安全停电通知给客户
We will provide alerts to customers in advance of a PSPS. 

• Our goal, dependent on weather, is to send customer alerts two days ahead, one day ahead and just prior to shutting off power through automated calls, texts and emails.

• This year, we are updating our customer alerts to provide more detail earlier – including a window of estimated time of shutoff and restoration – about what to expect during PSPS events.

• Customers will also be notified when their power has been restored.

• We will also provide updates on pge.com/pspsupdates and through social media channels, local news and radio outlets.

Slide 20: How is PG&E Improving Restoration Times?

• After the weather has passed and it is safe to do so, our crews will visually inspect for damage to ensure the lines are safe to energize.

• This year, we are seeking to cut restoration times in half so that we restore power within 12 daylight hours after severe weather has passed.

  o Nearly doubling our exclusive-use helicopter fleet during events from 35 to 65.

  o Using two airplanes with infrared cameras capable of inspecting transmission lines at night.

  o Adding more field crews to speed up inspections.

  o Utilizing mutual assistance from other utility companies to support PSPS restoration inspections, when needed.

Slide 21: Community Resource Centers (CRCs)

• During a PSPS event, PG&E will open Community Resource Centers (CRCs) where community members can access resources.

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  o Adding more field crews to speed up inspections.

  o Utilizing mutual assistance from other utility companies to support PSPS restoration inspections, when needed.
• Our goal will be to set up and open a CRC as soon as possible after the start of a PSPS event forecasted to last longer than 24 hours.

Location and hours of operation will be posted on pge.com/pspspupdates. We will also reach out to customers in affected communities via social media, local news and radio.

PLEASE NOTE: PG&E is adapting our approach to CRCs to reflect appropriate COVID-19 public health considerations.

We are planning to offer micro CRCs (smaller, open air tents) and mobile CRCs (vans) to supplement hardened CRCs if stay-at-home and physical distancing requirements are in place during PSPS events.

Slide 22: Additional Support For People With Disabilities And Older Adults

Slide 22: دعم إضافي للأشخاص ذوي الإعاقة وكبار السن

• We are funding the California Foundation for Independent Living Centers, or CFILC, to assist the Access and Functional Needs, or AFN, population.

• The pilot program, Disaster Access and Resources Program, provides qualifying customers who use electrical medical devices access backup portable batteries.

• The program will also provide transportation resources, assistive communication equipment, hotel and food vouchers, emergency planning and education and Medical Baseline program enrollment assistance.

• We encourage customers interested in the pilot program to visit disabilitydisasteraccess.org for more information.

Slide 23: Where To Go For Additional Information

Slide 23: أين تجد المعلومات الإضافية

• To make sure you/customers receive alerts regarding potential safety outages in your/their community, update the contact information PG&E has on file.

• We strongly encourage customers to visit disabilitydisasteraccess.org for more information.
We have also made additional wildfire preparedness tools available online including:

- Weather and PSPS Forecasting Webpage
- Backup Power Webpage
- Safety Action Center
- Medical Baseline
- “Prepare for Power Down” Website

Slide 24: Thank You

- Please direct customers with/If you have any questions, they/you can call us at 1-866-743-6589 or email at wildfiresafety@pge.com.
- Customers/You can also visit our dedicated website at pge.com/wildfiresafety for more information on our wildfire safety efforts and tips to help prepare for extreme weather and possible power outages.