



# Community Wildfire Safety Program

## Wildfire Mitigation Plan: 2020 Q3 Update

September 2020

On June 11, the California Public Utilities Commission conditionally approved PG&E's 2020 Wildfire Mitigation Plan. The plan expands and enhances the Community Wildfire Safety Program (CWSP) designed to address the growing threat of extreme weather and wildfires across PG&E's service area.



### COMMUNITY WILDFIRE SAFETY PROGRAM STATUS - DATA AS OF 9/30



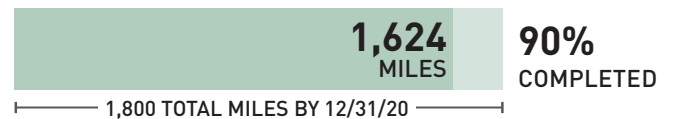
#### System Hardening

Installing stronger poles, covered lines and/or targeted undergrounding



#### Enhanced Vegetation Management

Meeting and exceeding state vegetation and safety standards



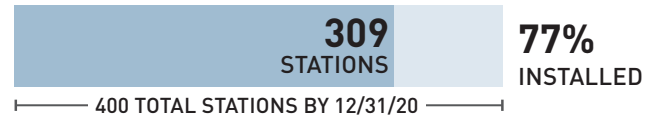
#### High-Definition Cameras

Improving our ability to monitor and respond to wildfires



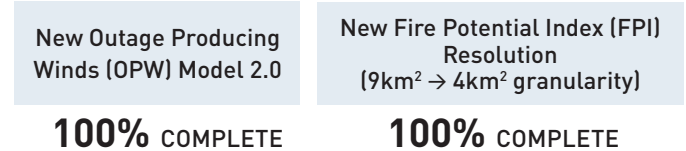
#### Weather Stations

Enhancing the ability to predict and respond to severe weather



#### Improved Weather Modeling

Improved ability to pinpoint severe weather and minimize outage areas



#### Sectionalizing Devices

Separating the distribution grid into smaller parts



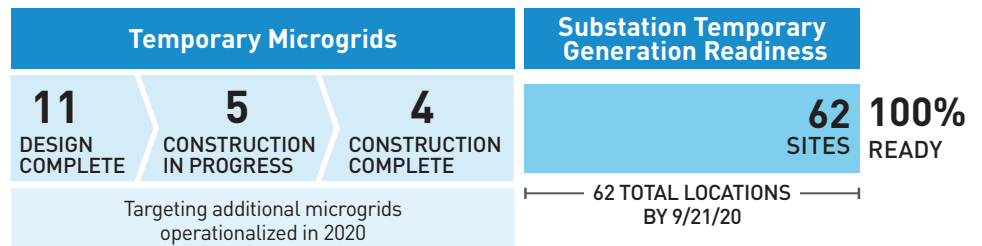
#### Transmission Line Switches

Installing line switches to redirect power and keep communities energized



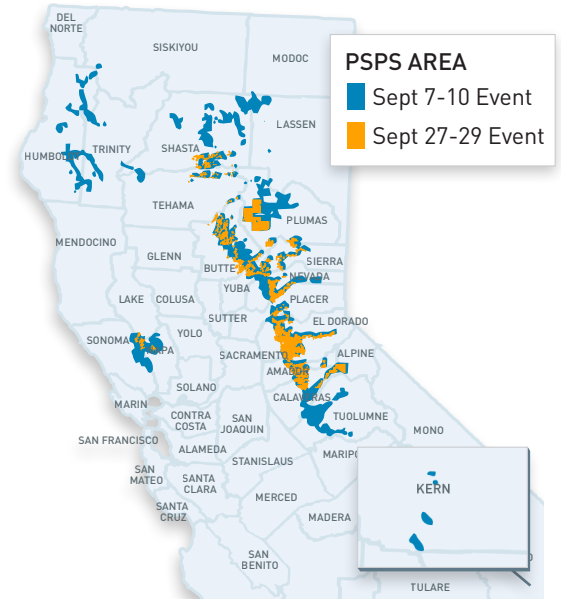
#### Microgrids and Temporary Generation

Safely energizing customers during a PSPS event



# Public Safety Power Shutoff (PSPS)

PSPS events are used as a last resort when the weather forecast is so severe that customers may be in danger of major wildfires. Below are details from this year's PSPS events to date.



EVENT DETAILS	SEPT 7-10	SEPT 27-29
CUSTOMERS IMPACTED	171,947	64,297
COUNTIES IN SCOPE	22	15
TRIBES IN SCOPE	7	0
COMMUNITY RESOURCE CENTERS (CRC) OPEN	50	29
PEAK WIND GUSTS	66 mph	72 mph
DAMAGE/HAZARDS	83	11
AVG. OUTAGE DURATION AFTER "ALL-CLEAR"	11 hrs	5 hrs
AVG. TOTAL OUTAGE DURATION	38 hrs	22 hrs

## 2020 Goals and Progress

We are working everyday to make PSPS events **smaller** in size, **shorter** in length and **smarter** for customers. The following includes combined details for both September PSPS events.

### SMALLER IN SIZE

**GOAL:** 33% fewer customers impacted by each PSPS event compared to 2019

**2020 EVENTS:** 55% fewer customers on average impacted due to:

- Temporary generation and microgrids
- "Off-grid" islanding
- Sectionalizing devices
- More granular weather forecasting

### SHORTER IN LENGTH

**GOAL:** Restore power within 12 daylight hours of weather "all-clear"

**2020 EVENTS:** 9.5-hour average outage duration after weather "all-clear" due to enhanced patrols and repairs by:

~3,200\* on-the-ground personnel | 78\* helicopters | 2\* airplanes

### SMARTER FOR CUSTOMERS

**GOAL:** Better communications, resources and assistance before, during and after events

#### COMMUNICATIONS

**2020 EVENTS:** 3.9 million notifications sent to customers via calls, texts and emails including estimated shut off and restoration times

- 98% of Medical Baseline customers confirmed receipt of notification or door knock
- Daily systemwide cooperator calls with local governments, public safety partners and community-based organization (CBO) partners

#### CUSTOMER SUPPORT

**2020 EVENTS:** 79\* total CRCs open to support customers (~13,200 total visitors; grab-and-go bag offered to every visitor). All CRCs follow COVID-19 health considerations and state and county guidelines.

**Resources for customers in disabled and aging populations:**

- 370 customers served through partnerships with CBOs (i.e., hotel stays, food, transportation, etc.)
- 14,876 food boxes provided via partnerships with local food banks
- 781 total backup batteries distributed to date

**Supporting vote tabulation centers** to ensure election activities remain energized

**Working with medical facilities and temporary pandemic-care facilities** to alleviate PSPS impacts to the extent possible

\*Total for both events