

Community Wildfire Safety Program

EL DORADO COUNTY BOARD OF SUPERVISORS

July 20, 2021



Safety

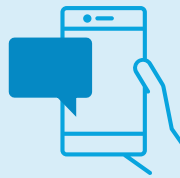
General Safety Tips



Identify two exit routes from your current work area in the event of a fire or other emergency.



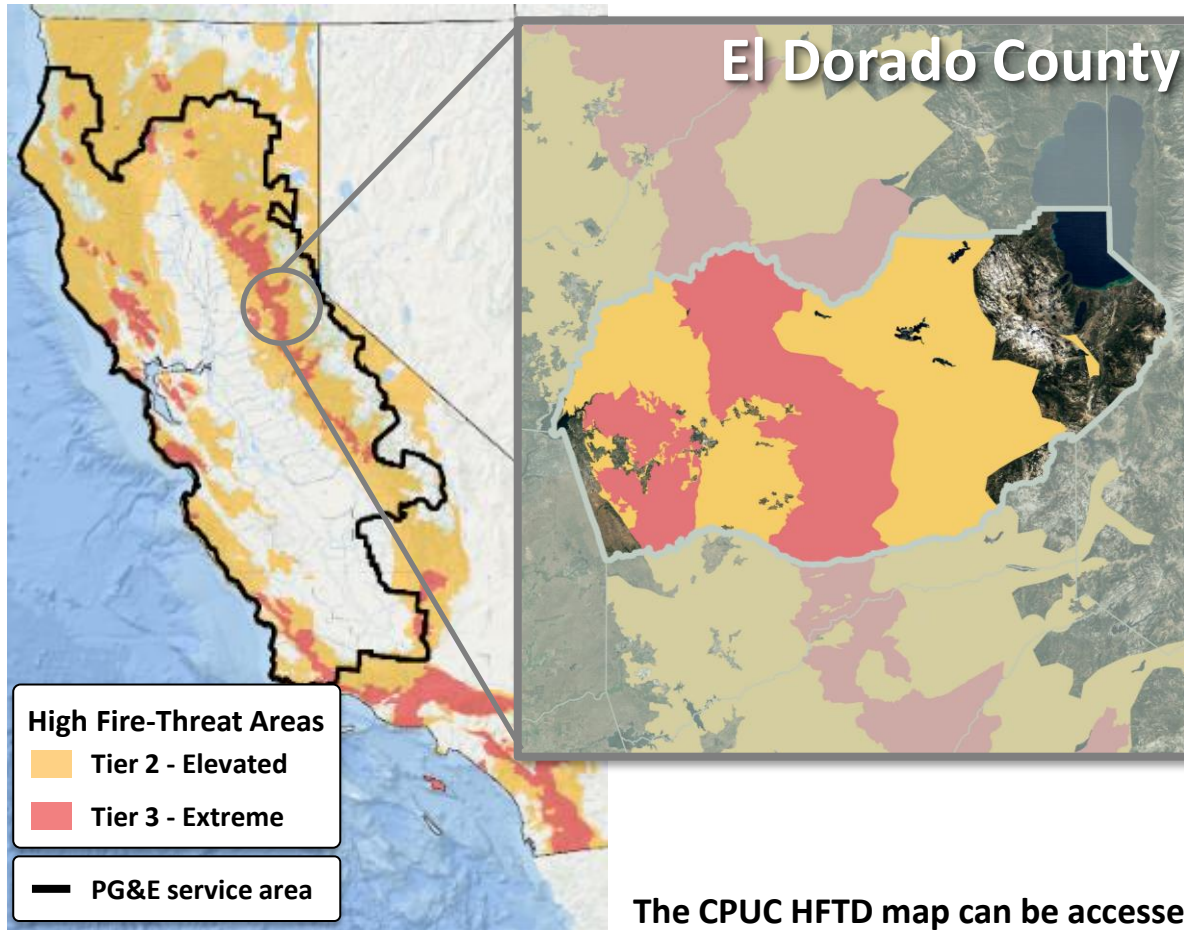
“Drop, cover and hold” in the event of an earthquake.



Notify emergency services if you are in danger. You can also ask for help by putting a message in the chat function of this meeting.

Wildfire Risks Across PG&E's Service Area

The California Public Utilities Commission (CPUC) has a map that designates areas that are most at risk for wildfire. This map helps us plan and prioritize wildfire prevention efforts.



EL DORADO COUNTY		
	Total Customers Served	75,494
	Customers in HFTD	42,421
	Total Distribution Line Miles	2,303
	Distribution Line Miles in HFTD	2,098
	Total Transmission Line Miles	125
	Transmission Line Miles in HFTD	97

The CPUC HFTD map can be accessed at:

cpuc.ca.gov/FireThreatMaps



Community Wildfire Safety Program



REDUCE WILDFIRE POTENTIAL

- Asset inspection and repair
- Enhanced vegetation management (EVM)
- System hardening
- Targeted device replacement
- Public Safety Power Shutoffs (PSPS)

IMPROVE SITUATIONAL AWARENESS

- Wildfire Safety Operations Center
- Weather stations
- High-definition cameras
- Meteorology
- Satellite detection
- Bolster field-based wildfire expertise for program validation

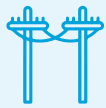
REDUCE IMPACTS OF PSPS EVENTS

- Focus on areas of highest risk
- Continuously improve based on feedback and past experience
- Further expand our ongoing coordination with and support for customers and communities
- Enhanced microgrid capability

What's New in 2021

We are continuing to harden our electric grid to reduce wildfire risks, working nonstop to lessen the impact of Public Safety Power Shutoffs (PSPS) and providing more resources to customers and communities before, during and after PSPS events.

REDUCING WILDFIRE RISKS



System hardening on: **180**
CIRCUIT MILES



Tracking conditions with: **300**
NEW WEATHER STATIONS



Enhanced vegetation management on: **1,800**
HIGH-RISK CIRCUIT MILES



Monitoring for wildfires with: **135**
NEW HIGH-DEF CAMERAS

REDUCING PSPS IMPACTS



Limiting the number of customers impacted by installing **275+** additional distribution sectionalizing devices and transmission switches



Weather modeling improvements and **5 days** of forecast data



Helping to keep the power on with **10** substations prepared for temporary generation and **5** additional microgrids constructed to power key community resources

SUPPORTING CUSTOMERS AND COMMUNITIES



Customer notifications in **16 languages** and new **Address Alerts** to keep informed about any address



~**5,550 batteries** available, covering all interested income qualified Medical Baseline customers in high fire-threat areas



Targeting **additional ADA-accessible Community Resource Center sites**



Meal replacement options for customers in **46 counties**



Targeting **additional partnerships** with Community-Based Organizations to support customers with Access and Functional Needs



El Dorado County Overview

Quarterly progress updates are available at:

pge.com/wildfiresafety



WILDFIRE SAFETY AND CUSTOMER SUPPORT PROGRAM EFFORTS

COMPLETE THROUGH 2020*

2021 PROGRESS

2021 PLAN

System Hardening Stronger poles, covered power lines and/or targeted undergrounding	56 LINE MILES		0 LINE MILES		31 LINE MILES
Sectionalizing Devices Separating the grid into small sections for operational flexibility	22 DEVICES		16 DEVICES		17 DEVICES
Enhanced Vegetation Management Address vegetation that poses a higher potential for wildfire risk	233 LINE MILES		75 LINE MILES		211 LINE MILES
Community Resource Centers (CRC) Provide basic power needs and up-to-date information	5 INDOOR	13 OUTDOOR	5 INDOOR	13 OUTDOOR	ONGOING†
Weather Stations Enhancing weather forecasting and modeling	35 STATIONS		2 STATIONS		ONGOING‡
High-Definition Cameras Improving real-time monitoring of high-risk areas and conditions	17 CAMERAS		3 CAMERAS		ONGOING‡

*Cumulative progress from 2018 through 2020.

†CRC planning for 2021 is conducted in coordination with local agencies/tribes and is ongoing.

‡Identified on a monthly basis.

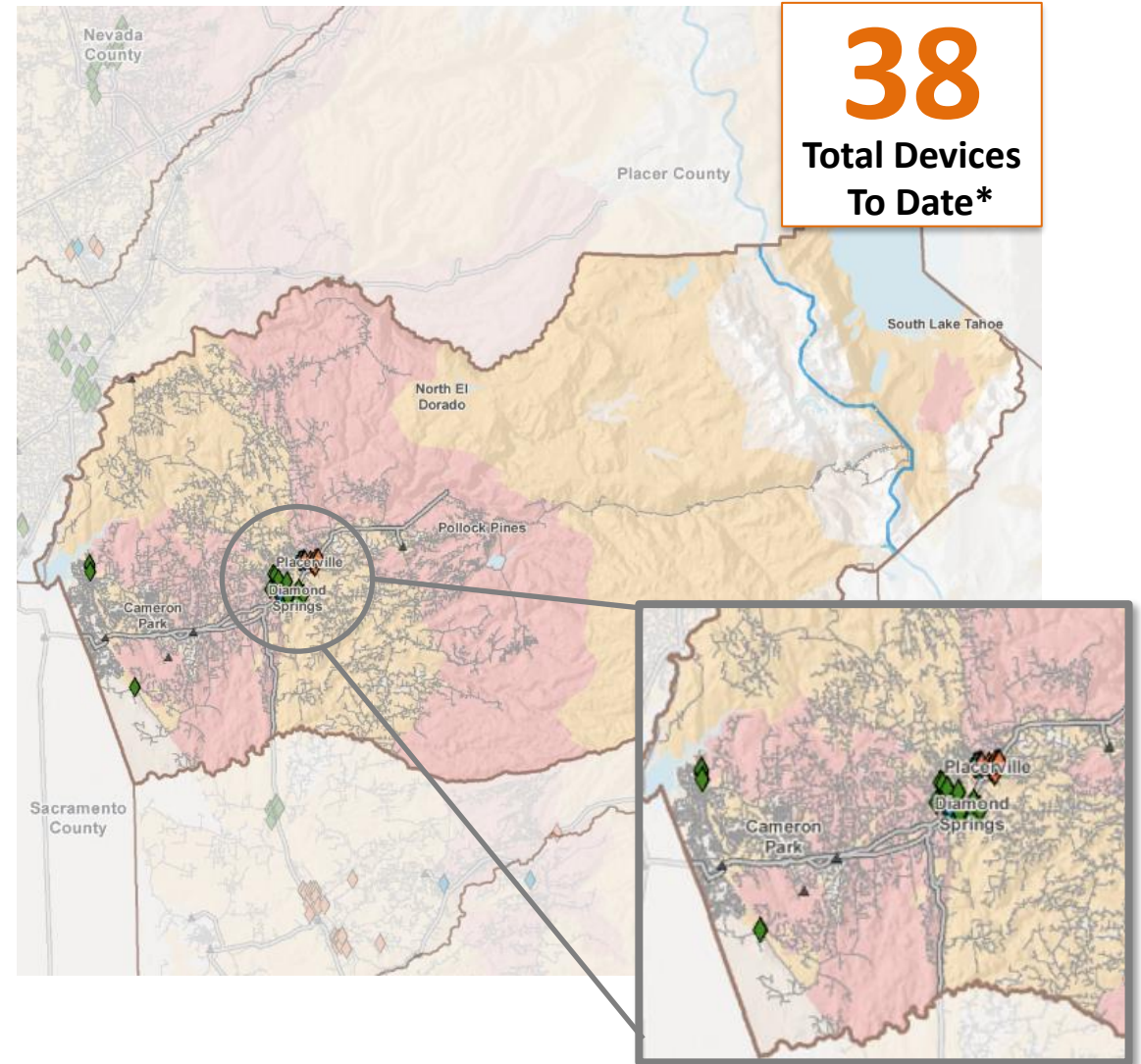
Installing Sectionalizing Devices to Reduce the Scope of PSPS

We're installing new sectionalizing devices to limit the number of customers impacted during a Public Safety Power Shutoff event.

2021 PLAN 17 Devices

2021 PROGRESS 16 Devices

- High Fire Threat District Tier 3 - Extreme
- High Fire Threat District Tier 2 - Elevated
- High Fire Threat District Zone 1 - HZ
- High Fire Threat District Tier 1 - No HFTD
- PG&E Substation
- Sectionalizing devices installed in 2019 & 2020
- Sectionalizing devices 2021 planned†



Locations are approximate and may overlap.

*Cumulative progress from 2019 through May 2021. †Location subject to change.
Some of the measures included in this presentation are contemplated as additional precautionary measures intended to further reduce the risk of wildfires. Data as of May 2021.

Enhanced 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.

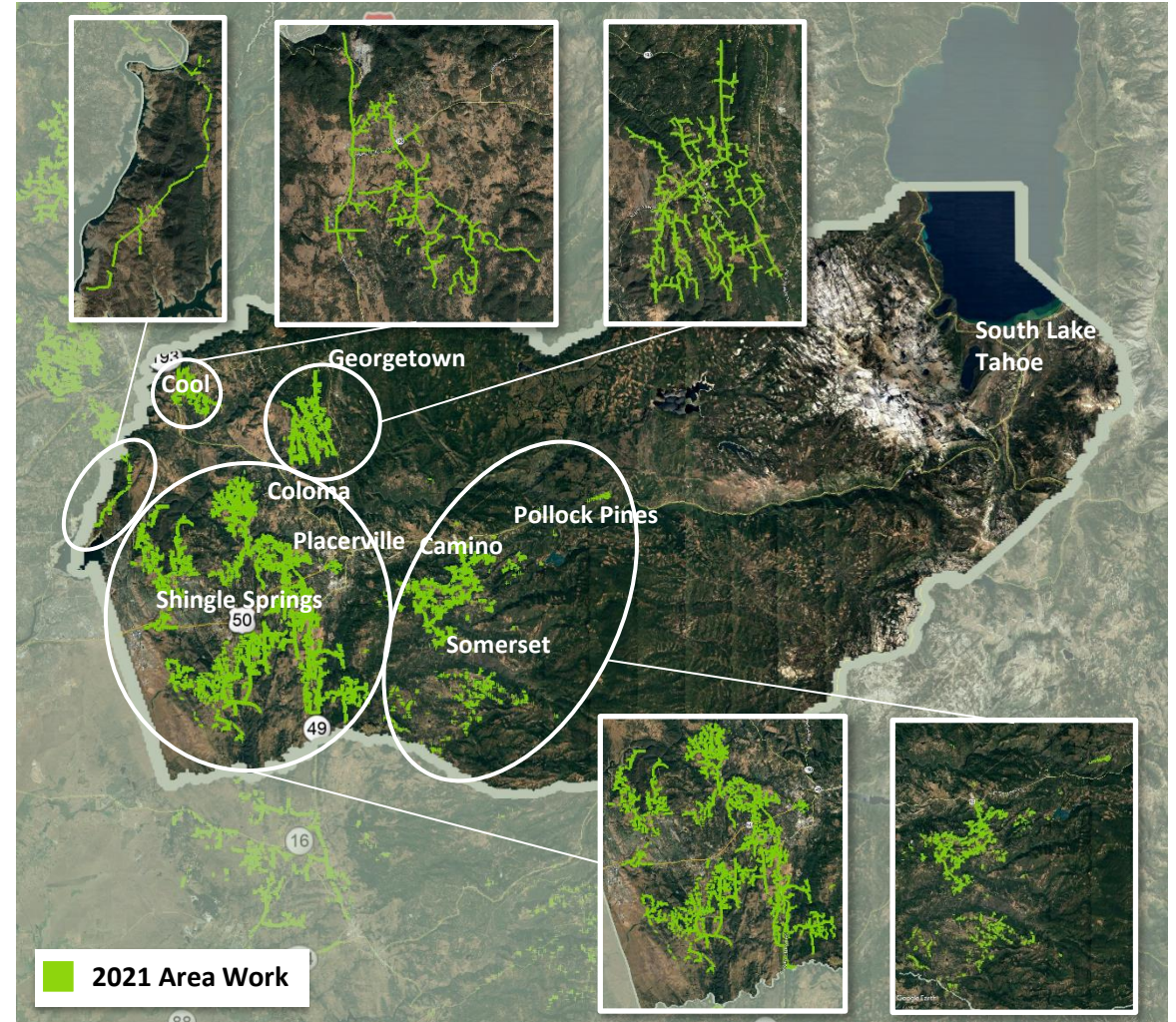
233 miles completed through 2020



2021 GOAL: 211 high-risk miles

2021 IMPROVEMENTS

- Improving and increasing work verification and inspections
- Creating a centralized team of arborists to address issues in real-time
- Piloting ground-based LiDAR technology



Local work plans are subject to change.

Temporary Power in Your Community



To help prevent wildfires and reduce the number of customers affected by PSPS, we are deploying new technology and investing in a stronger, more flexible grid.



Distribution microgrids energize “main street” corridors, central community resources, and critical facilities in areas that frequently experience Public Safety Power Shutoff events.

Site Name/Area	Status
Placerville	<ul style="list-style-type: none"> • Complete in 2020 • 2021 enhancements complete and ready to operate



What is a Public Safety Power Shutoff?

Safety is our most important responsibility. That is why we may need to turn off power as a last resort to prevent wildfires during severe weather conditions.

High winds and dangerous conditions can cause branches and debris to contact energized power lines.

This could damage our equipment and cause a wildfire.



To prevent such fires, we may need to turn off power.

This is called a **Public Safety Power Shutoff (PSPS)**.



Once severe weather has passed, we will inspect the system and repair any damage.



Once inspections and any repairs are complete, power is restored.



What Conditions Could Lead to a PSPS Event?

We carefully review a combination of factors when deciding if power must be turned off for safety. These factors include:



Low humidity levels generally 30% and below



Forecasted high winds above 20 mph and gusts above 30-40 mph



A Red Flag Warning issued by the National Weather Service



Condition of dry material on the ground and vegetation near lines



On-the-ground, real-time observations



This year, our decision-making process is evolving to also account for the presence of trees tall enough to strike power lines when determining if a PSPS event is necessary.

How Will Customers be Notified?

When severe weather is forecast, we provide advance notice prior to turning off power and updates until power is restored.

Timing of Notifications (when possible)



Notifications sent via automated calls, texts and emails.

We will also use pge.com, social media and will inform local news and radio.

@pacificgasandelectric

@PGE4Me

@pacificgasandelectric

New for 2021 | Address Alerts

Receive PSPS notifications, available in multiple languages, for any location, such as:

- The home of a friend or loved one
- Your child's school or day care
- Your work or business



Enroll at: pge.com/addressalerts

Customer Preparedness and Resources

We are increasing resources to help customers and communities before, during and after PSPS events:

- 
Partnerships with 250+ Community-Based Organizations (CBOs) to provide emergency preparedness information and PSPS event assistance
- 
Sponsored food replacement through partner food banks and Meals on Wheels organizations
- 
California Foundation for Independent Living Centers (CFILC) providing emergency planning, portable backup power, accessible transportation, hotel stays and food stipends
- 
Providing portable backup batteries for income qualified Medical Baseline customers in high fire-threat areas
- 
Generator rebate programs offered to customers who depend on well water pumps and live in high-fire threat areas
- 
Providing better information about when power will be turned off and back on in 16 languages

El Dorado County Community-Based Organizations

- CFILC**
 - Foundation of Resources for Equality and Employment for the Disabled
- In-Language Media**
 - ABS-CNB
 - Alianza News
 - KBTv-Crossings TV
 - KCSO Telemundo
 - Lotus Radio Sacramento
 - Russian American Media
- Food Bank/s**
 - El Dorado Food Bank
 - Placer Food Bank
- Other**
 - California Council of the Blind






Potential Partnership:

- 211



Generator and Battery Rebate Program

PG&E is offering eligible customers a rebate on the purchase of a qualifying product (generator or battery) to prepare for outages.

	PRIOR PROGRAM	NEW AS OF JUNE 2021
 ELIGIBILITY	<ul style="list-style-type: none"> PG&E customers who depend on water well pumps to satisfy their primary water needs Located in Tier 2/3 High Fire Threat Districts (T2/3 HFTD) 	<ul style="list-style-type: none"> Customers must: <ul style="list-style-type: none"> Have an active PG&E account Reside in Tier 2 or 3 high-fire threat area Meet one of the following criteria: <ul style="list-style-type: none"> Rely on water pumping for your premise Enrolled in the Medical Baseline program Are a small/micro non-critical care essential business (i.e., Grocery Stores, Veterinarian Services, Urgent Care/Clinics)
 REBATE STRUCTURE	<ul style="list-style-type: none"> \$300 if eligible \$500 if eligible and on CARE/FERA program 	<p>Tiered based on retail pricing*</p> <ul style="list-style-type: none"> <u>Level 1</u>: \$0 - \$500/product = \$300 <u>Level 2</u>: \$501 - \$1,000/product = \$500 <u>Level 3</u>: \$1,001+/product = \$1,000 <p><i>*Each tier receives an additional \$200 kicker if on CARE/FERA</i></p>
 PRODUCT OFFERINGS	<ul style="list-style-type: none"> Portable Fuel Generators 	<ul style="list-style-type: none"> Portable Fuel Generators (well pump, SMB) Portable Backup Batteries (MBL) <p>Note: Product must be in the Qualified Product List</p>

For more information, visit:

pge.com/backuppowers





Disability Disaster Access and Resources Program

We are collaborating with the **Disability Disaster Access and Resources (DDAR) Program** to provide qualifying customers with targeted outreach, personalized emergency planning support, energy needs assessments and in-event Public Safety Power Shutoff support. In-event support can include the following support based on customer needs:



Response to Escalations

received through PG&E's call center



Hotel Accommodations



Accessible Transportation

to hotels and Community Resource Centers



Food Vouchers



Portable Backup Batteries

During 2020 PSPS events, the following resources were provided:

~1,700 customer assessments

~1,000 batteries

~560 hotel accommodations

~900 food vouchers

~30 accessible transit rides

Data is subject to change and is based on best available information at this time.






Learn more about DDAR by visiting

disabilitydisasteraccess.org



Electric Vehicle Rescue Charging Service

We will be providing residents of El Dorado County emergency electric vehicle (EV) charging services during Public Safety Power Shutoff events.

	WHO?	Customers without enough vehicle charge to drive to the nearest energized public charging station*
	WHAT?	15 miles of charge for each electric vehicle
	WHERE?	At or near a PG&E Community Resource Center (CRC) Exact location TBD
	WHEN?	During a PSPS event in El Dorado when the CRC (TBD) is activated
	WHY?	Provide increased resiliency to electric vehicle customers and test the feasibility of mobile and deployable charging solutions

Customers can find out which stations are energized by visiting ev.pge.com/charging-stations





More Information and Tools to Prepare

For more information about our wildfire safety efforts, visit pge.com/wildfiresafety

For specific information, please consider the following:



Would you like to receive PSPS notifications but are not the PG&E account holder?

Sign up to receive PSPS alerts for any address at

pge.com/addressalerts



Do you need information in a language other than English? Find assistance at

pge.com/mywildfirealerts



Do you want to learn more about the live weather conditions we are tracking in your area?

Get up-to-the-minute weather information at

pge.com/weather



Are you looking for tools and activities to help children prepare for an emergency? Visit our interactive site at

kidsemergency.com



Are you looking for more information on how to stay safe before and during a PSPS event?

Learn more about wildfire risks and how to prepare for emergencies at

safetyactioncenter.pge.com



Do you need backup power? Check out backup power options, safety tips and financing at

See if you qualify for the Portable Battery Program at

pge.com/backuppowers

pge.com/storage

Thank You

For more information, please:

- Call us at **1-866-743-6589**
- Email us at **wildfiresafety@pge.com**
- Visit **pge.com/wildfiresafety**



Additional Information




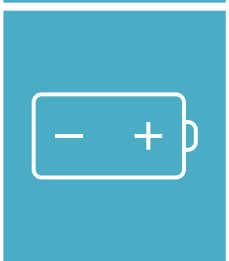




Portable Battery Program

We are also conducting Public Safety Power Shutoff emergency preparedness outreach and energy needs assessments to support income qualified Medical Baseline customers in high fire-threat areas with critical medical equipment and delivering fully subsidized portable battery solutions to eligible customers.

To date, this program has included the following:

	Establishing relationships with seven external battery delivery partners		Completing energy assessments for over 8,800 customers
	Providing outreach to ~22,000 customers		Providing over 5,550 batteries to customers

For more information, visit:

pgebatteryprogram.com





Medical Baseline Program

Our Medical Baseline Program is an assistance program for customers who need energy for certain medical conditions.

Assistance offered:

- **Extra notifications** in advance of a PSPS event, including in-person doorbell rings by a PG&E representative if positive contact has not been made
- **Additional monthly allotment of energy** at a lower rate

Examples of Qualifying Medical Conditions and Qualifications:

- Asthma/Sleep Apnea
- Respirators
- Multiple Sclerosis
- Special Heating/Cooling Needs
- IPPB/CPAP Machines
- Hemodialysis Machine

NEED EXTRA HELP BUT DON'T QUALIFY FOR MEDICAL BASELINE?

Self-certify as a vulnerable customer.

[pge.com/vcstatus](https://www.pge.com/vcstatus)

Applying for Medical Baseline



Submit the “Medical Baseline Allowance” application form. Forms can be found by visiting [pge.com/medicalbaseline](https://www.pge.com/medicalbaseline)

— OR —



Mail the completed and signed application form to:

PG&E
Attention: Medical Baseline
P.O. Box 8329
Stockton, CA 95208



Types of Outages

PG&E customers may experience outages for different reasons.

Why is Power Shut Off?	Rotating Outages	Emergency Repairs	Planned Maintenance	Active Wildfires	Public Safety Power Shutoff
How Will We Inform Customers?	Advanced notification/regular updates <ul style="list-style-type: none"> ▪ Phone calls* ▪ Emails ▪ Texts ▪ Social media ▪ News releases ▪ Local/Tribal government outreach 	Updates after and during outages <ul style="list-style-type: none"> ▪ Phone calls ▪ Texts ▪ Emails 	10-day advance notification	Updates after or during outages <ul style="list-style-type: none"> ▪ Phone calls ▪ Texts ▪ Emails 	Advanced notification/regular updates <ul style="list-style-type: none"> ▪ Phone calls* ▪ Emails ▪ Texts ▪ Social media ▪ News releases ▪ Local/Tribal government outreach ▪ CBO** outreach
Who Makes the Decision?	CAISO, the state's grid operator	N/A	PG&E	CAL FIRE or first responder agencies	PG&E

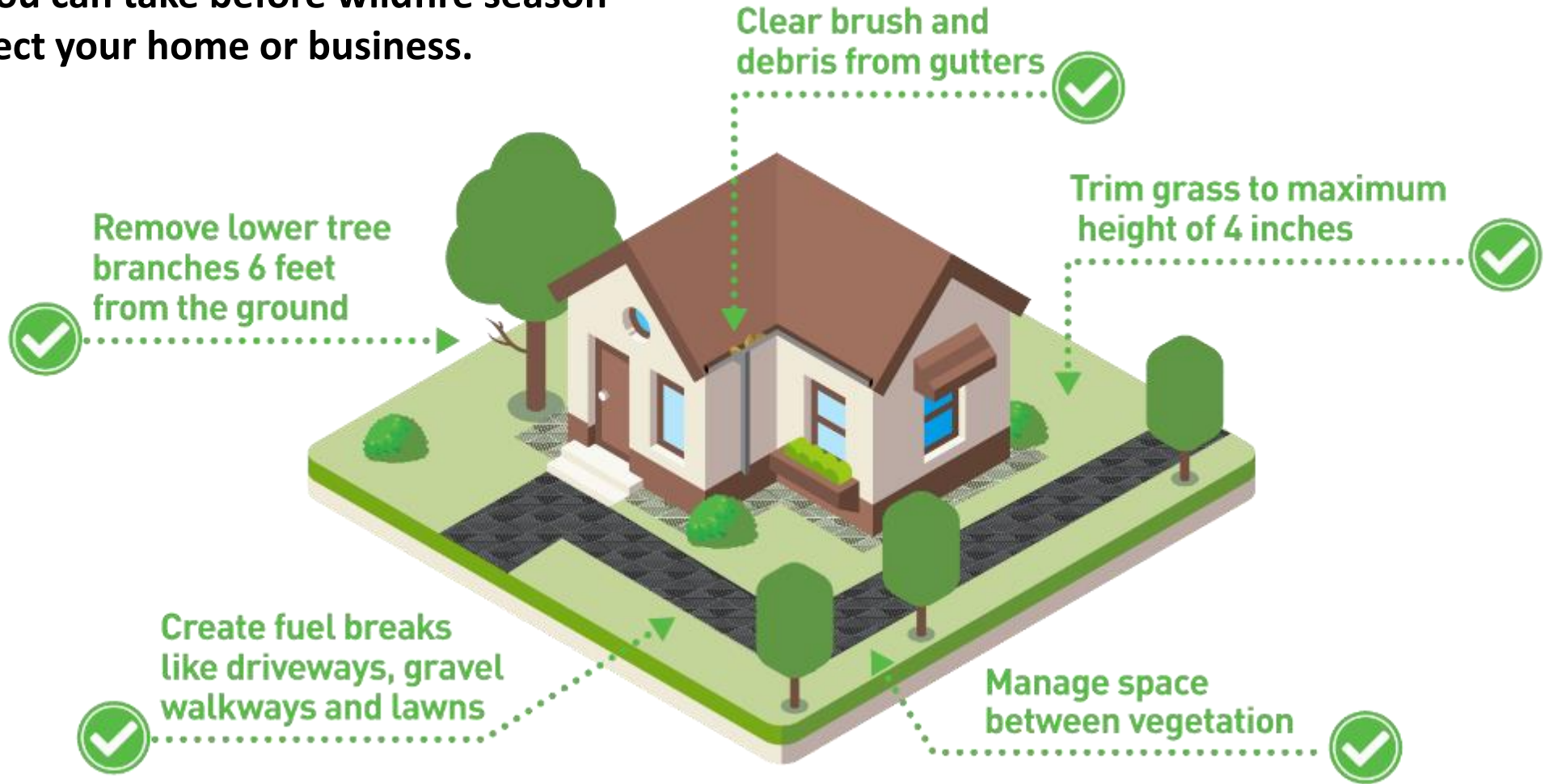
*Via interactive voice recordings (IVR)

**Community-based organization

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

Creating Defensible Space

Steps you can take before wildfire season to protect your home or business.



For more tips to protect your home from a wildfire, visit:

[ReadyForWildfire.org](https://www.ReadyForWildfire.org)