

Coloma Lotus Advisory Committee

Enhanced Powerline Safety Settings (EPSS)

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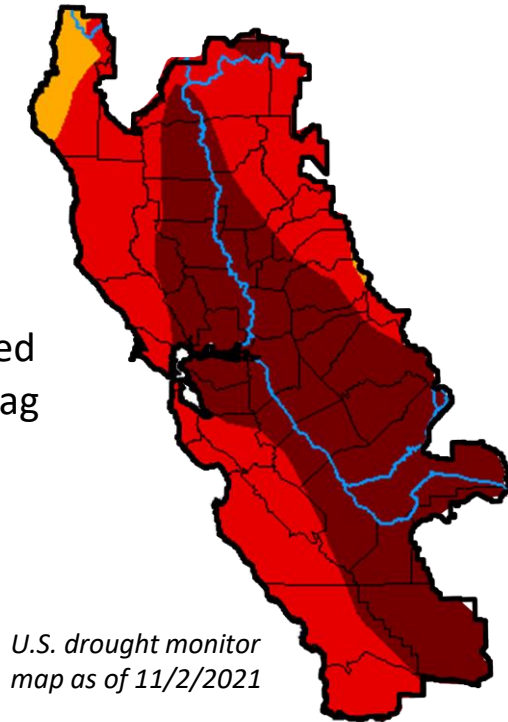
Senior Manager, Customer
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Drought-Intensified Wildfire Risk

2021

95%
of acreage
burned by
wildfires ignited
on non-Red Flag
Warning days

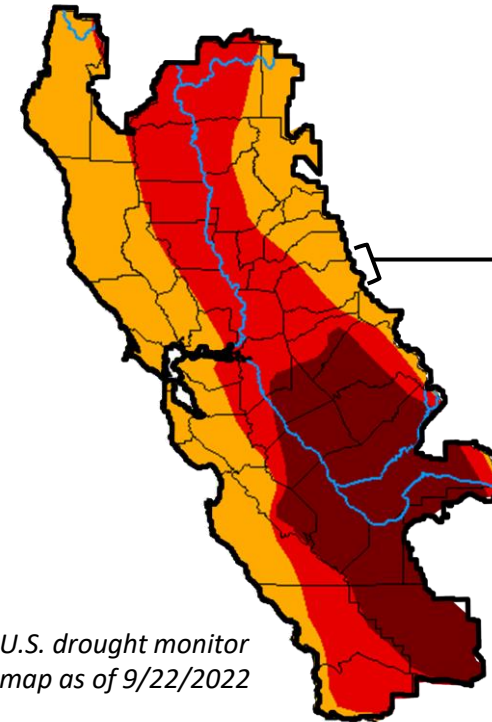


2022

**Driest
year to
date**
over the last
128 years

PG&E Service Area

El Dorado County



□ PG&E service area
U.S. drought monitor
map as of 9/27/2022

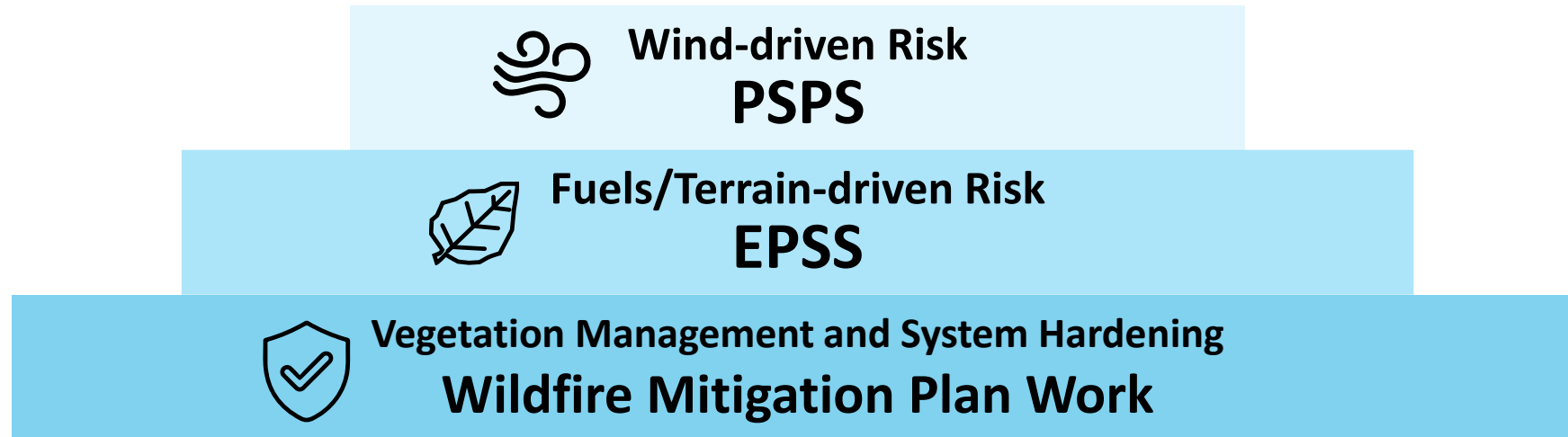
MAP LEGEND

D0: Abnormally dry
 D1: Moderate drought
 D2: Severe drought
 D3: Extreme drought
 D4: Exceptional drought

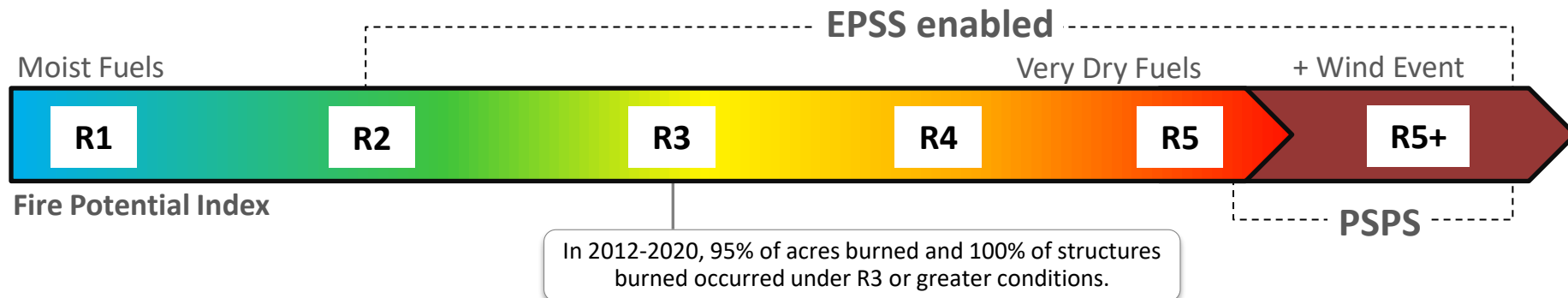


An Adaptive, Systematic, Risk Mitigation Approach...

PG&E has continued to adapt to California's changing wildfire risk profile.



EPSS and PSPS address a significant portion of the wildfire risk



...Layers of Protection



Enhanced Powerline Safety Settings (EPSS) A Technology to Prevent Wildfires

How It Works

PG&E powerlines have equipment that allows power to automatically turn off within one-tenth of a second if there is a wildfire risk, like a tree branch or other object striking the line.

Why We Do It

Quickly and automatically shutting off power when a hazard is detected can help stop wildfires before they have a chance to start.

Preventing Wildfires

80% decrease in CPUC-reportable ignitions
in 2021 on EPSS-enabled circuits.

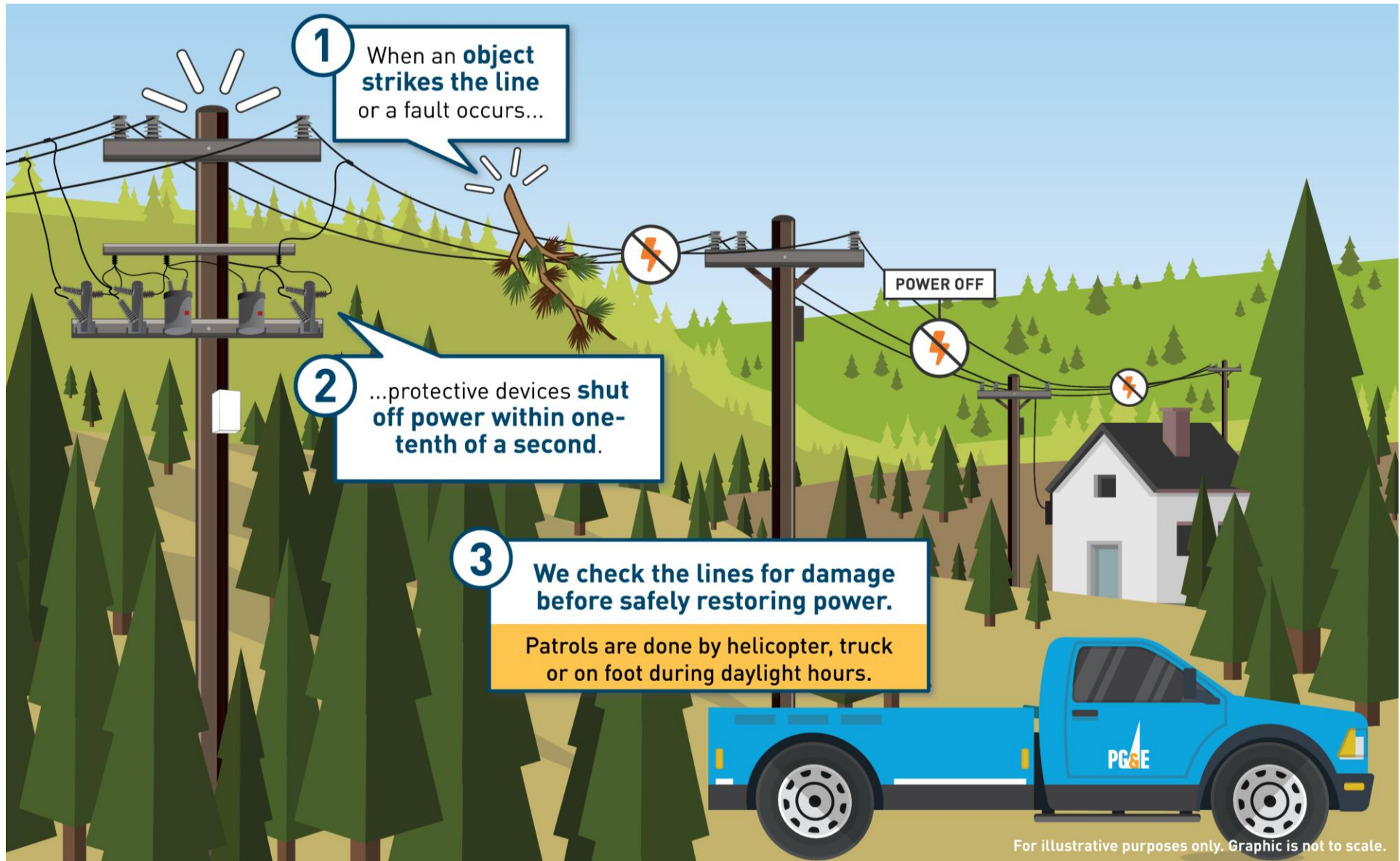
compared to the prior 3-year average as of 7/31/22.



SAFETY SETTINGS IN ACTION

An example of these settings preventing a potential ignition in Santa Cruz County, when a tree branch fell into a powerline in 2022 and power was quickly and automatically turned off.

What Are Enhanced Powerline Safety Settings?



What Customers Can Expect

When are outages most likely to occur?

- When elevated fire risk is present.
- Most likely from May to November.

How will customers be notified?

- Through automated calls, texts or emails about when to expect the power back.
- Since outages happen automatically, we are unable to provide advance notification





Planned vs Unplanned Outages: What You Can Expect



PG&E can notify you in advance of

Planned Outages

Public Safety Power Shutoffs

ADVANCED NOTIFICATION/REGULAR UPDATES

- Phone calls*
- Texts
- Emails
- Social media
- News releases
- Local/Tribal government outreach
- CBO** outreach

Rotating Outages

ADVANCED NOTIFICATION/REGULAR UPDATES

- Phone calls*
- Texts
- Emails
- Social media
- News releases
- Local/Tribal government outreach

Planned Maintenance

10-DAY ADVANCE NOTIFICATION

- Phone calls*
- Texts
- Emails



PG&E is **unable to notify you** before

Unplanned Outages

Emergency Repairs

Active Wildfires

System Damage

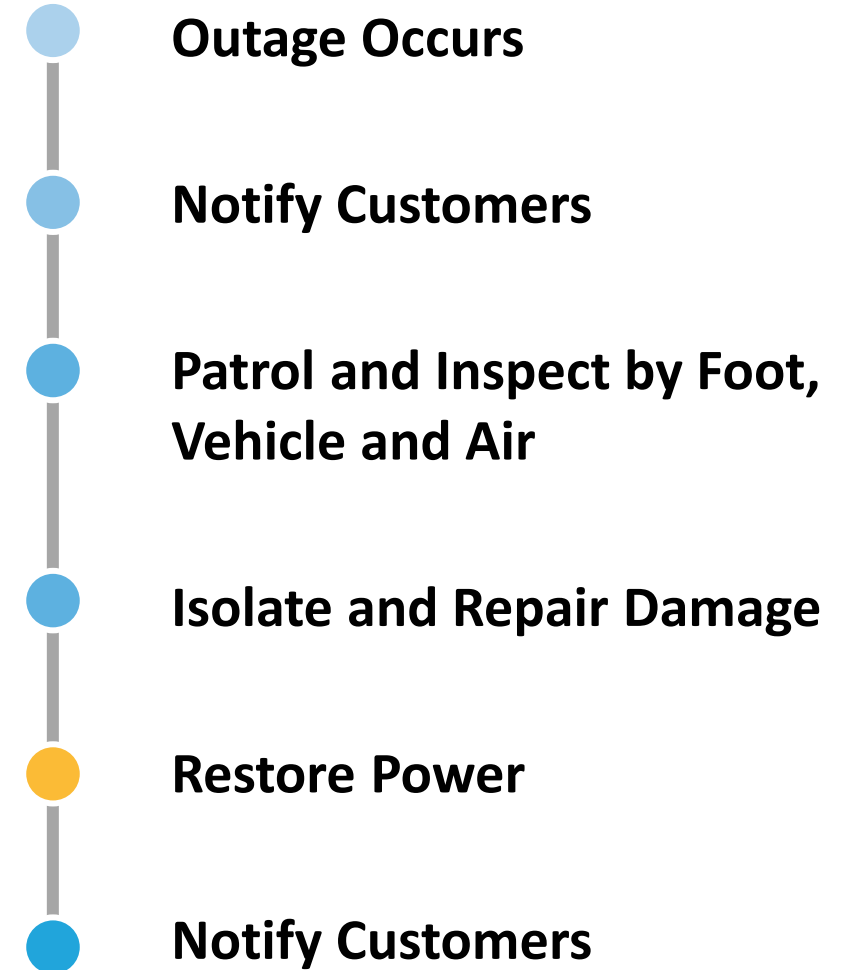
Outages on EPSS-Enabled Powerlines

UPDATES DURING AND AFTER OUTAGES

- Phone calls*
- Texts
- Emails

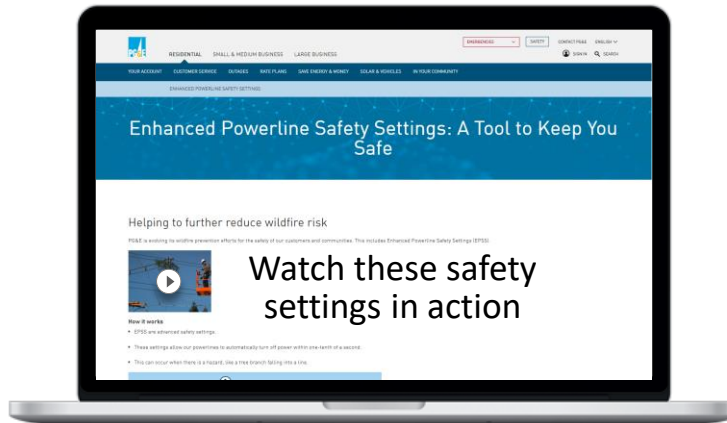
Restoring Power More Quickly

- ✓ Adapting patrol methods to identify outage sources more quickly.
- ✓ Installing fault indicators to help patrol crews identify with precision where on a line a fault occurs and safely restore power more quickly.
- ✓ PG&E crews now only need to patrol the section of the line from where the power outage originated to the next protective device.



How Customers Can Prepare

Learn More
About EPSS



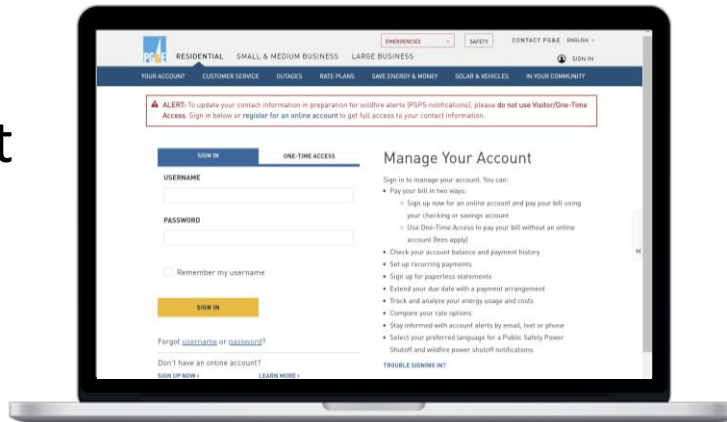
pge.com/epss

Stay Up-to-Date on
Outages Near You



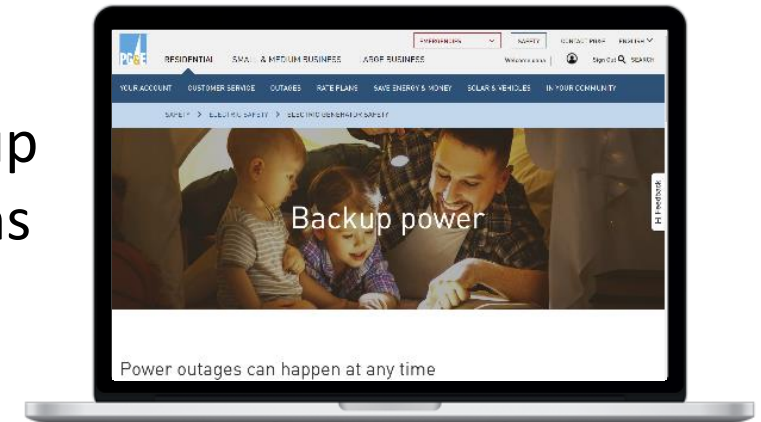
pge.com/outages

Update Contact
Information



pge.com/myalerts

Explore Backup
Power Options



pge.com/backuppower

Grid Flyover



Q&A



Thank You



Appendix



Differences Between PSPS and Safety Settings

Public Safety Power Shutoffs (PSPS)

Turning off power to prevent tree branches and debris from contacting energized lines



WHEN

During times of high winds, low humidity and dry vegetation



NOTIFICATIONS

In advance through automated calls, texts, and emails along with real-time updates



2022 FOCUS

Continuing to refine the program and reducing impacts in the areas at highest risk

Enhanced Powerline Safety Settings

Turning off power automatically within one-tenth of a second if a problem is detected on the line.



WHEN

Elevated wildfire risk is present, most likely from May to November, but can occur year-round.



NOTIFICATIONS

After the outage occurs. Advance notice cannot be provided due to the adjusted settings that allow power to automatically shut off. Regular updates are also provided.



2022 FOCUS

Expanding from ~45% HFTD to 100% of HFRA circuits, increasing customer outreach & improving reliability.

Safety Settings in Action

Watch the full video [HERE](#)



EPSS Settings ENABLED



EPSS Settings DISABLED



Customer Resources and Support – Expanded in 2022

Backup Power Transfer Meter Program

Helps safely connect generator power to your home during emergency outages.

pge.com/transfermeter



Portable Battery Program*

Fully subsidized portable battery solutions.

pge.com/pspsresources



Generator and Battery Rebate Program*

Rebates to purchase a qualifying generator or battery.

pge.com/backupper



Partnership with 211

24/7 free, confidential support and resources via call or text to 211.

211.org



*For qualifying customers