

Public Safety Power Shutoff

STAY INFORMED

As a company that prides itself on keeping the lights on, there are times when weather conditions threaten the integrity of our system and require us to turn off the power to protect public safety.

Quick tip

Check out our new three-minute video that describes a Public Safety Power Shutoff at sdge.com/power-shutoff.

Prior to determining if power must be turned off for safety:

We consider the National Weather Service Red Flag Warning, wind speed measurements, temperature, humidity, field observations by SDG&E® crews, and official information from fire agencies. We've also developed safety and fire preparedness tools, including:

- **Santa Ana Wildfire Threat Index** – created in partnership with the U.S. Forest Service and the University of California, Los Angeles, this measure provides a 'rating' system for the potential of wildfires fueled by strong seasonal winds. This is similar to the 'category' system used for hurricanes. In December 2017, the Index registered in the "extreme" category for the first time since it was released in 2014.
- **America's largest utility-owned weather network** – this system includes about 180 weather stations in fire-prone areas that provide readings of wind speed, humidity, and temperature every ten minutes. This information is also shared with fire agencies who use this data when responding to emergencies.
- **Fire Potential Index** – we developed this tool using weather data and moisture content of plants or vegetation to rate the daily fire potential across our region. That information is then shared with the fire community, including first responders, emergency managers and other stakeholders.
- **Segmenting circuits** – We've developed a way to reduce the number of customers impacted during a power shutoff for public safety reasons. Our system is equipped with additional weather stations and electrical devices that improve our ability to divide electric circuits into smaller sections. This means our system can keep power on for more customers in affected areas during a power shutoff.



Make sure to prepare for emergencies with a household emergency plan and emergency kit. Get emergency checklists at sdge.com/emergency.

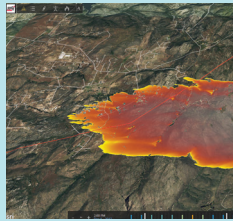
Public Safety Power Shutoff *Last resort measure to reduce wildfire risk*

7-10 days ahead



When forecasts indicate extreme weather, SDG&E begins predictive modeling to assess potential impact.

3-6 days ahead



We monitor Fire Weather Watches from the National Weather Service (NWS) and the Santa Ana Wildfire Threat Index from the United States Forest Service. Fire weather forecasts are refined accordingly.

2 days ahead



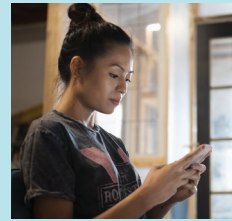
Extreme fire weather conditions forecasted and NWS Red Flag Warning issued. Start communicating with customers affected by possible power shutoff. Coordinate with local government agencies and emergency responders.

1 day ahead



Extreme fire weather conditions imminent; continued modeling and more accurate forecasts determine affected areas. Ongoing communication with customers about possible power shutoff. Continue coordination with first responders and public agencies.

Day of power shutoff



Extreme fire weather present and dangerous conditions validated by field crews. Notify customers, local government and public agencies of power shutoff. Community Resource Centers opened if shutoff is lengthy.

Power restored



Extreme fire weather subsides and equipment inspections and patrols of the electric system by field crews begin during daylight hours. Afterwards, power is restored to affected communities, and customers and public agencies are notified the power is back on.

PLANNING AND MONITORING

OUTAGE

RESTORATION

Learn more at sdge.com/wildfire-safety

Restoration process:

When we turn off power for safety reasons, it can't be turned back on until conditions are safe. It often isn't possible to predict how long an outage might last given a variety of factors. These include: the duration of strong winds, length of the power line, the terrain, when the outage occurred, and whether aerial patrols are possible at the time. Even if wind speeds have subsided in one area, power lines extend over many miles and portions of the line may be in wind-prone areas beyond their immediate location.

The restoration process includes recording reduced wind speeds for a sustained period, then allowing 4-8 hours of daylight for our crews to patrol the line and deem it safe. Our linemen must visually inspect all impacted power lines. During assessments, crews make sure equipment isn't damaged or fallen, and objects like tree limbs and telecommunication wires haven't contacted the lines. If this happens, it could create extremely unsafe conditions if we re-energize the lines without careful inspection.

Because power lines in many of the wind prone areas are in mountainous and difficult-to-access locations, we must inspect the lines from a helicopter. In those situations, we fly during daylight and when the wind speeds are below 35 mph, for the safety of our employees and the public. Crews will work from daybreak to sunset until all customers are restored.

Verify your contact information:

If there's a wildfire in your area, the power could be turned off for public safety. **Stay informed and make sure your contact information is up-to-date.**

- Go to My Account (sdge.com/MyAccount)
- Click on "Manage My Account" and update your contact information, including email address

You can also sign up for outage notifications in My Account:

- Click on the "Alerts and Subscriptions" tab
- Select "Outage Notifications" from the drop-down menu
- From there, choose the way you want to stay informed (email, text and/or phone)

