SOUTHERN CALIFORNIA EDISON®
Energy for What's Ahead®

Our Commitment to California

Keeping our communities safe from wildfires

Community Meeting for San Bernardino County
May 26, 2021

How to Submit a Question

- You can submit a question using the Q&A window throughout the session
- If there is a similar question already being asked that you would like answered, you can click on the “thumbs up” icon next to the question to “like” it
- Please only submit questions that are relevant to the presentation and topics being presented

SCE Presenters

Mark Cloud
Government Relations Manager
Local Public Affairs

Bola Ayorinde
Director
Distribution

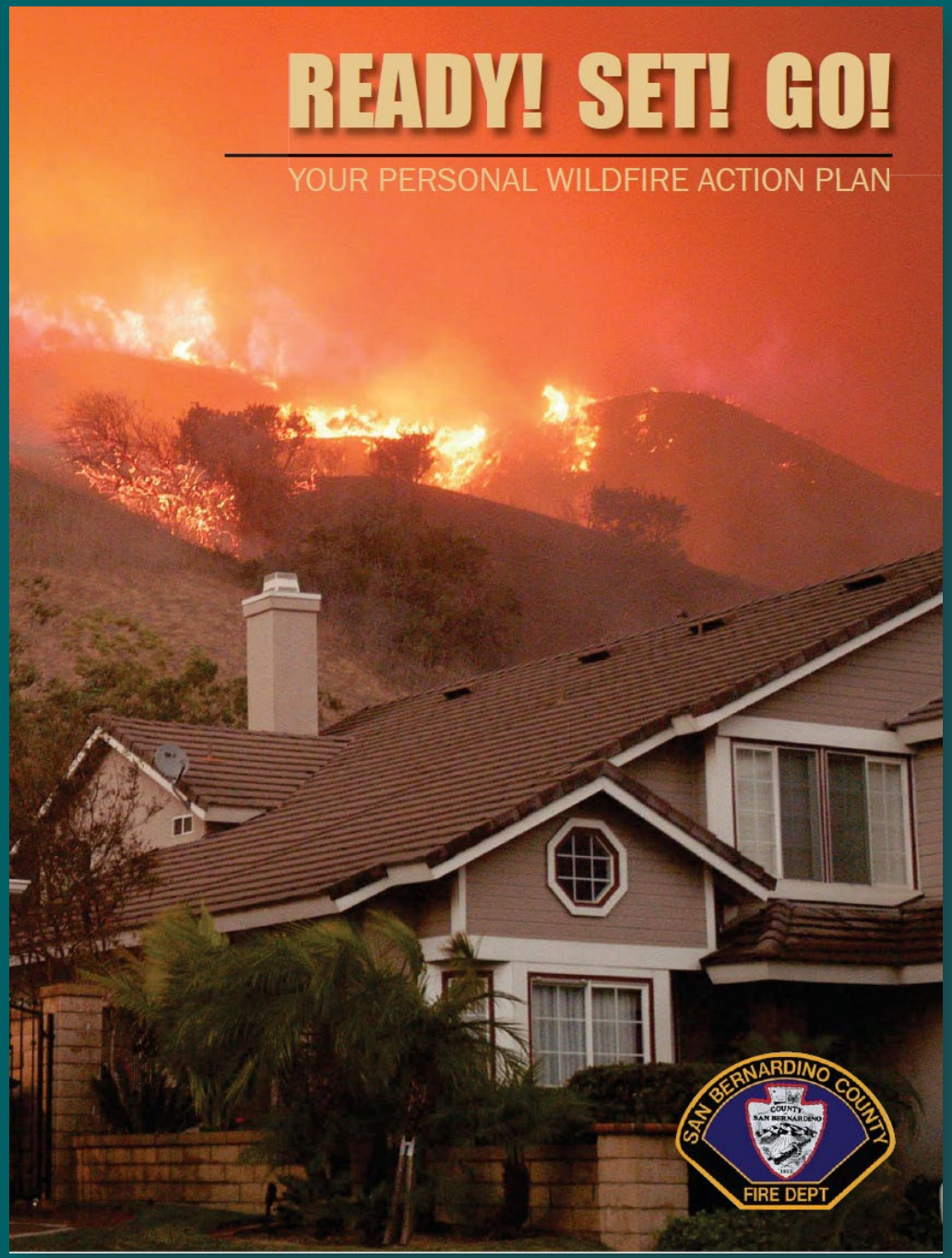
Terry Ohanian
Director
Expedited Grid Hardening

Jessica Lim
Principal Manager
Customer Service

Jennifer Cusack
Government Relations Manager
Local Public Affairs

Agenda

- 2020 Wildfire Season
- SCE's Wildfire Mitigation Plan
- Public Safety Power Shutoffs
- Reducing the Need for PSPS
- Customer Care Programs
- Engaging Our Communities
- Resources
- Q&A



READY!

Create and maintain defensible space and harden your home against flying embers.

SET!

Prepare your family and home ahead of time for the possibility of having to evacuate.

GO!

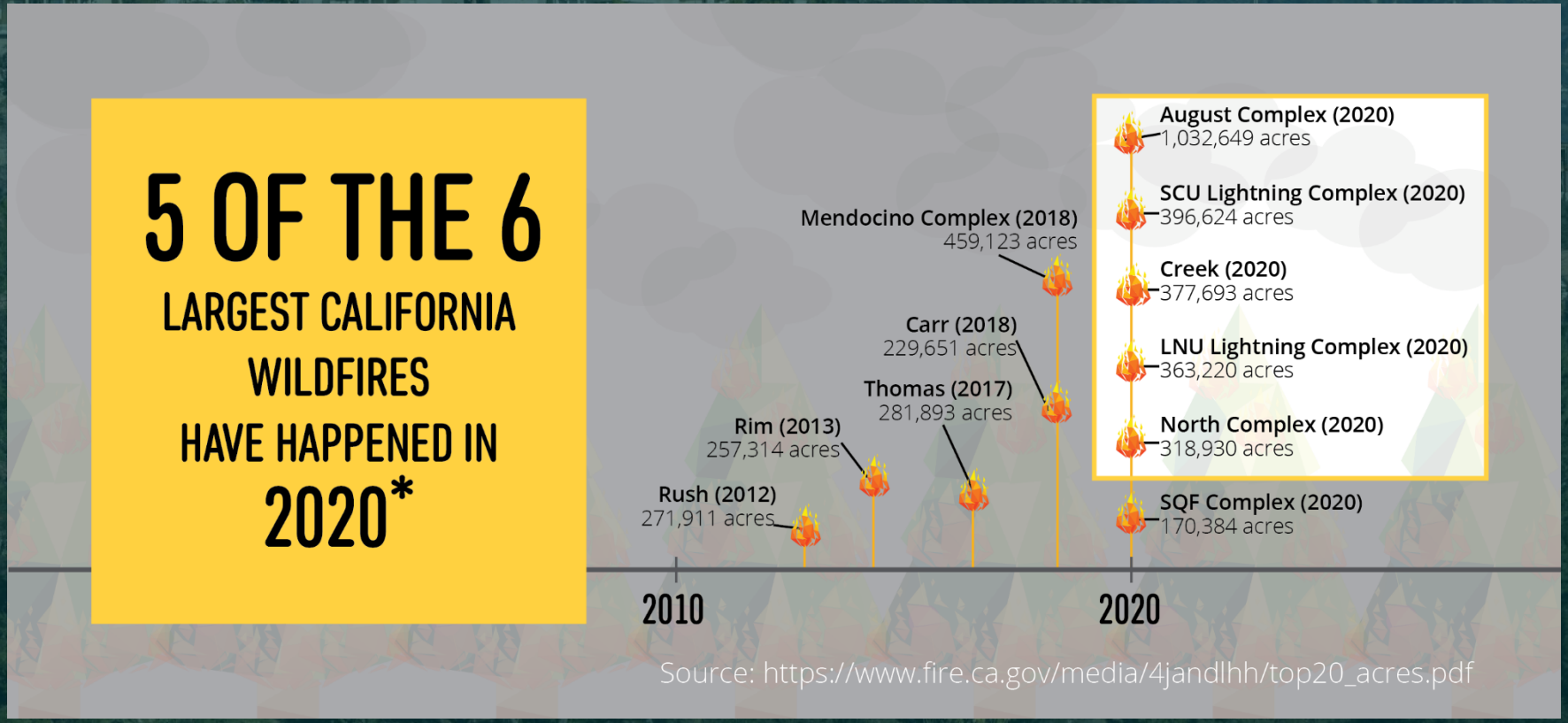
Take the evacuation steps necessary to give your family and home the best chance of surviving a wildfire.

For more information:

sbcfire.org/Programs/ReadySetGoFire.aspx

2020 Wildfire Season

California's wildfires in 2020 were the worst on record, with dry vegetation and strong winds threatening our communities during an unprecedented fire season



SCE's PSPS Execution

- To reduce the threat of wildfires, SCE implemented Public Safety Power Shutoffs (PSPS) that impacted about 138,000 customers, with some customers experiencing multiple PSPS outages
- We understand the significant impact that PSPS has on communities, especially during a pandemic when many people are working and learning from home
- PSPS is used as a tool of last resort to protect public safety under dangerous fire weather conditions
- We are working to reduce the impact of PSPS and are continuing to strengthen the electric grid to become more resilient in the face of extreme weather events

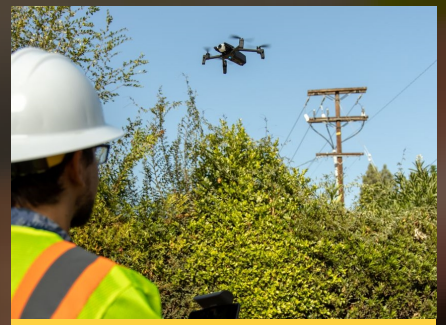
Our Wildfire Mitigation Plan

Grid Hardening

Improving the electrical system to make the grid more resilient in high fire risk areas, improving reliability and reducing wildfire risk

Situational Awareness

Using a dense network of weather stations and wildfire cameras to monitor location-specific, real-time conditions that help inform operational decision-making



High Fire Risk Inspections

Annually inspect equipment in high fire risk areas for any needed maintenance, repair or replacement, prioritizing the highest-risk structures

Vegetation Management

Annually inspect, trim and remove trees to prevent vegetation from coming into contact with electrical equipment and potentially sparking a fire

safetrees@sce.com

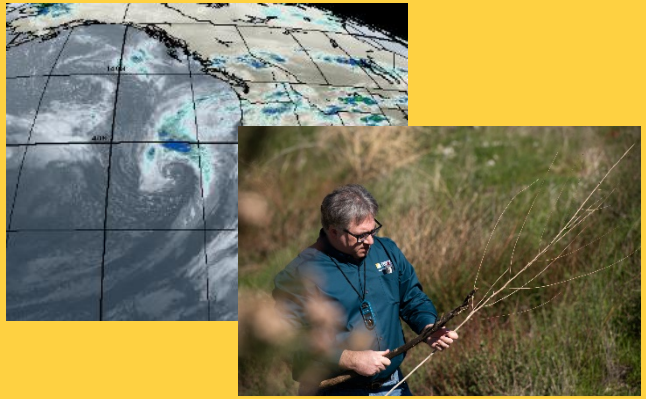
Public Safety Power Shutoffs

Tool of last resort to protect our communities from the threat of wildfire, where we temporarily shut off power to prevent our electric system from becoming the source of an ignition

PSPS Decision Points

sce.com/pspsdecisionmaking

Decision points include, but are not limited to:



- National Weather Service Red Flag Warnings
- SCE meteorologists forecast **strong wind** conditions in service area
- SCE fire scientist assessment **of fire potential** to include consideration of **weather** and **fuels**

- Real-time observations from qualified electrical workers monitoring for **hazardous conditions** in the field

- Impact of de-energizing circuits on **first responders and essential services**

Our PSPS Action Plan

We are implementing a plan to reduce the impact of PSPS to our customers and communities

Reducing the Need for PSPS	Executing PSPS More Effectively	Reducing the Impacts of PSPS	Keeping Partners and Customers Informed	Enhancing Post-Event Reporting
Expediting grid hardening and other measures	Making decision-making process transparent, improving communications and notifications	Increasing customer and community resiliency	Educating and engaging our communities and stakeholders	Improving our post-event reports to make them more transparent and clearer

Reducing the Need for PSPS

- We are putting specific emphasis on those circuits most frequently impacted by PSPS while continuing work on other circuits subject to PSPS
- Grid hardening make circuits more resilient in the face of extreme weather events and reduce the scope, frequency and duration of future PSPS events

Above photos: SCE crew installing insulated wire

Tools to Reduce Need for PSPS

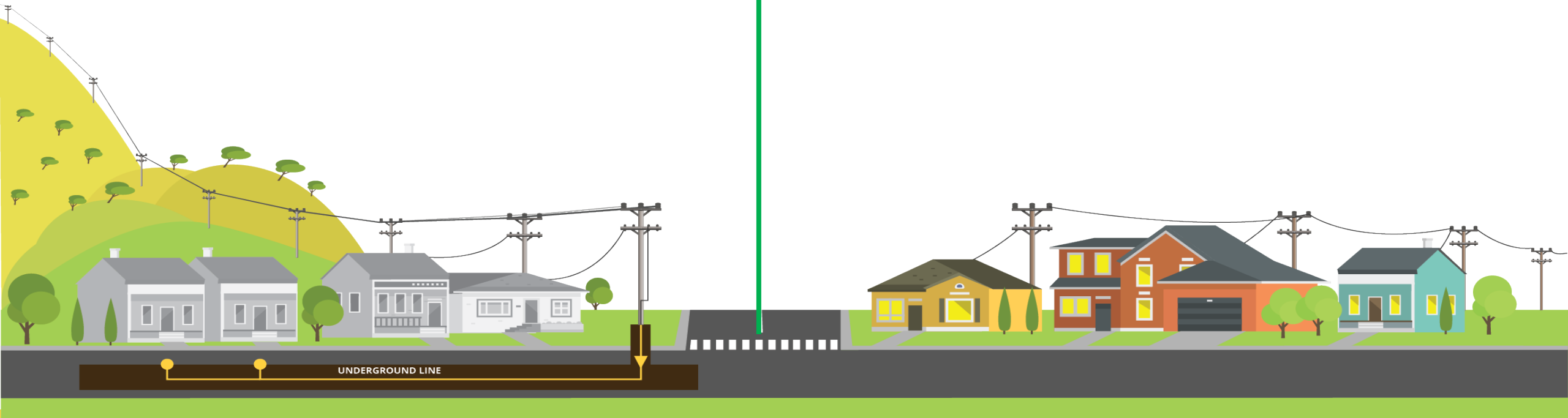
Insulated Wires	Segmentation	Weather Stations	Switching Protocols	Operational Protocols
Targeted replacement of bare wire with insulated wires (covered conductor) to be able to safely raise windspeed thresholds for PSPS	Installing additional automated devices to further isolate and reduce the number of customers that have to be de-energized per circuit	Adding new weather stations to improve situational awareness and increase accuracy of PSPS operations – so only those circuits facing danger are in scope	Continuing to develop circuit-specific protocols to move customers to nearby circuits not impacted by PSPS, to reduce the number of customers remaining on an affected circuit	Up-to-date information on ground conditions, such as lack of vegetation, recent burn scars, and location of poles and wires are considered to assess wildfire threat and the need for PSPS

Why Does My Neighbor Have Power and I Don’t?

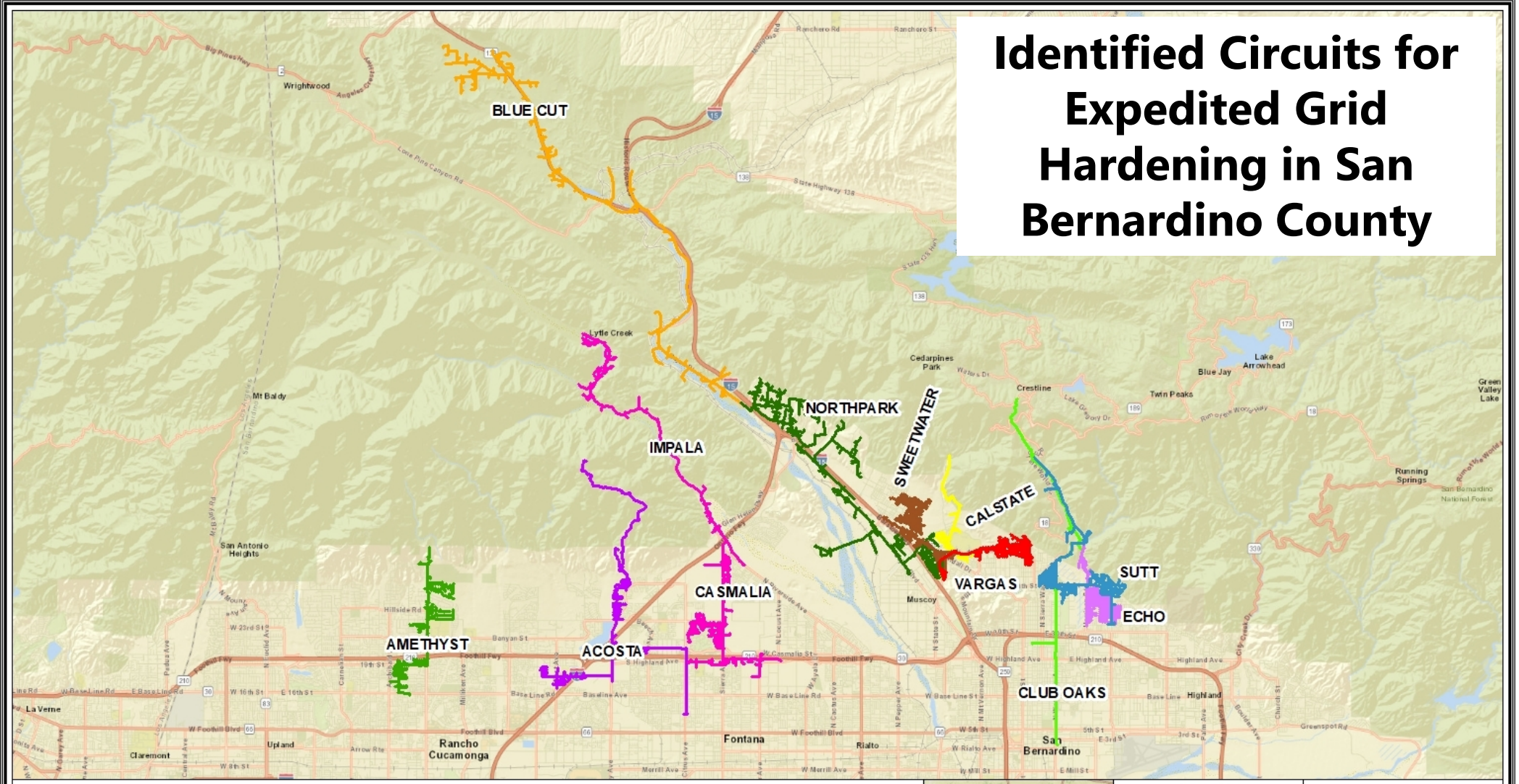
The location of your home or business on a circuit and the area of severe weather relative to your local substation are important factors in determining whether or not you are impacted by a Public Safety Power Shutoff (PSPS)

Neighborhood with power shut off due to PSPS
Wires originate in windy area with high fire risk

Neighborhood keeps power during PSPS
Wires originate in area with lower fire risk

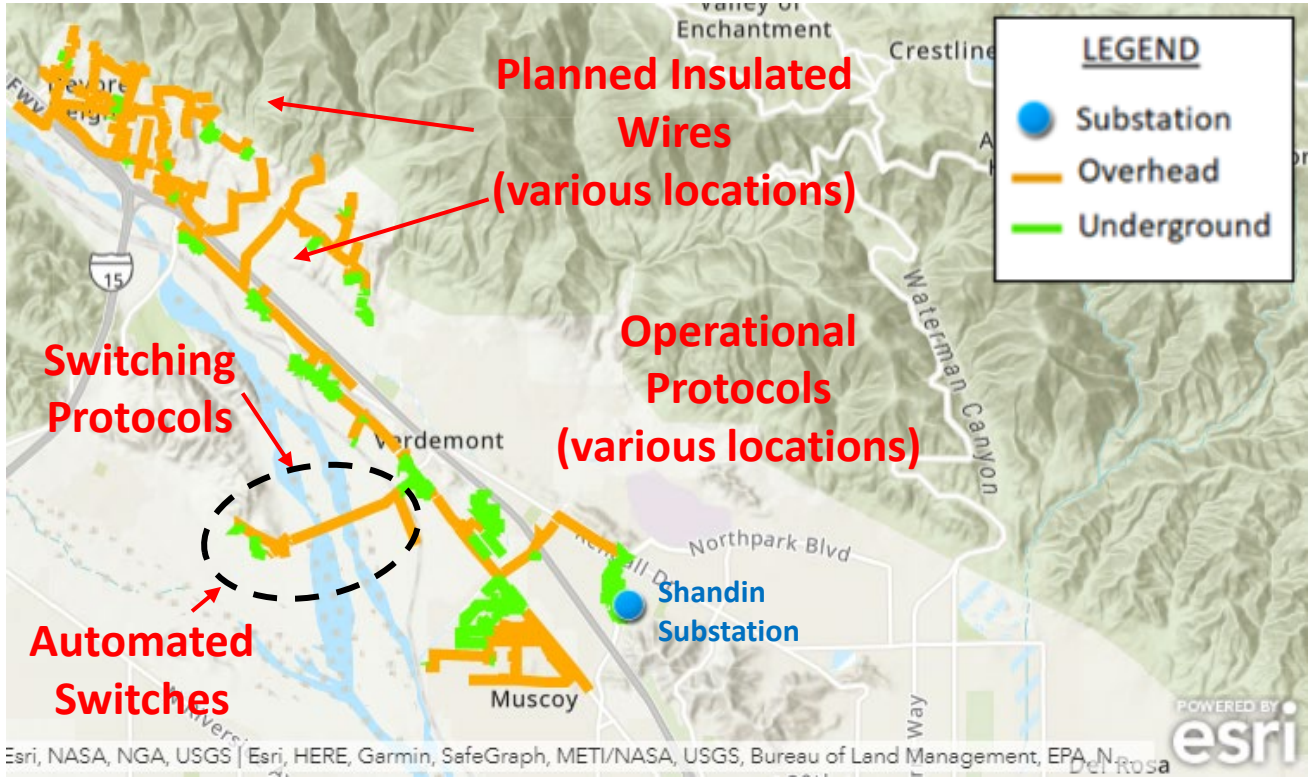


Identified Circuits for Expedited Grid Hardening in San Bernardino County



Example of Reducing the Need for PSPS

Northpark Circuit



Communities: Devore Heights, San Bernardino

Planned Work:

1. Insulated Wires: Replace 20.1 miles of existing overhead wire with new insulated wire
2. Switching Protocols: Transfer load to a less affected circuit during PSPS events
3. Segmentation: Automate 3 existing sectionalizing devices
4. Operational Protocols: Implement updated protocol to raise PSPS wind speed thresholds

Expected Completion Date:

- September 2021

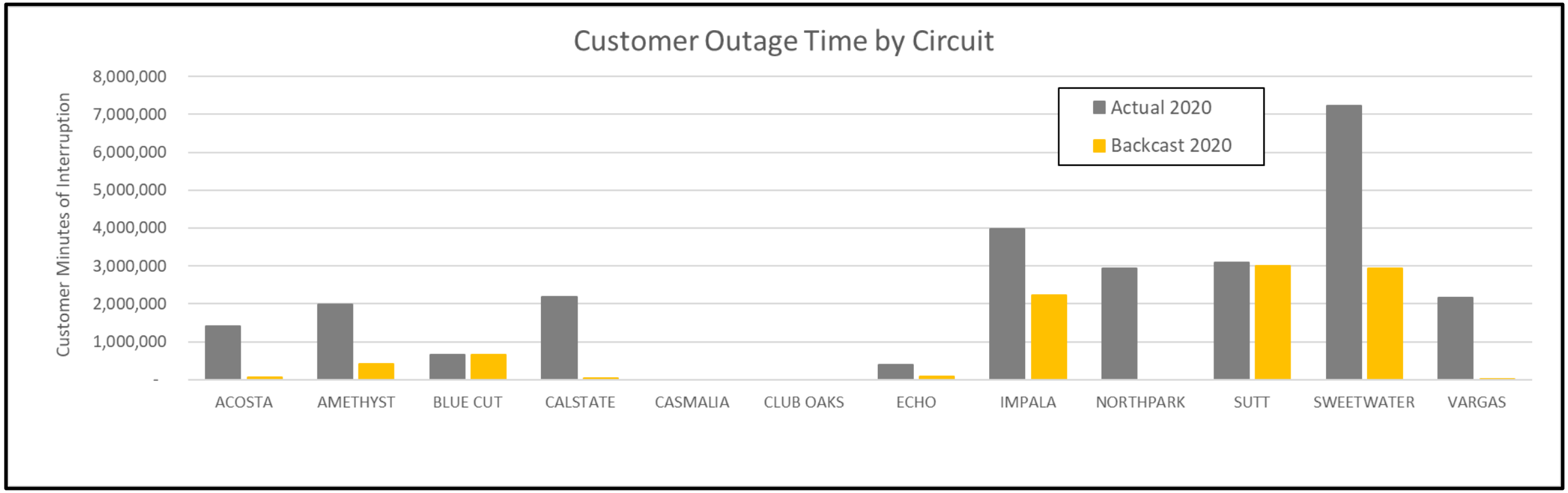
Expected Improvements:

- **100% reduction** in customer outage time assuming the same weather conditions in 2020

Expected Improvements

For circuit details and status, visit:
sce.com/pspsenhancements

With the implementation of our plans, we expect to see a **64% reduction in customer outage time** across the frequently impacted circuits in San Bernardino County communities compared to 2020, assuming the same weather conditions



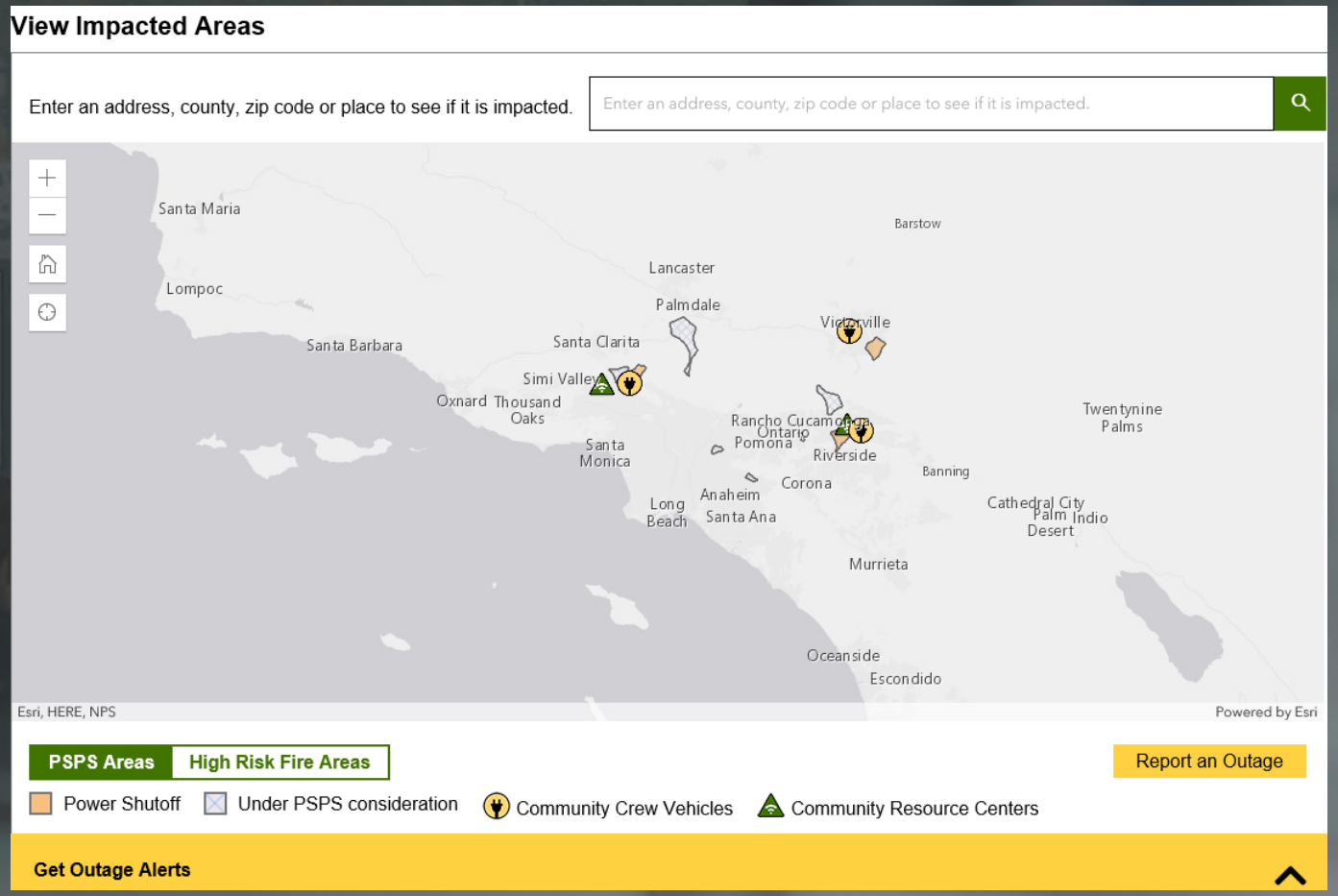
Updated: 05-24-2021

1) Frequently impacted circuits are circuits that have experienced four or more PSPS related outages in 2019-2021.
2) Customer outage time is measured as total Customer Minutes of Interruption (CMI).
3) Improvements on Blue Cut and Sutt expected in 2022 are not shown on this chart.

PSPS Communications

Notifications

- SCE provides PSPS notifications through various communication channels
  - SCE Account Holders (email, text, and voice call)
  - Zip Code
  - NextDoor
- Sign up to stay informed before, during and after a PSPS event



PSPS Outage Map

- Outage status look up is also available on our website

Customer Care Programs

Rebates & Programs

- Fully subsidized Critical Care Backup Battery Program
  - Eligible Medical Baseline customers*
- $50 rebate for portable batteries (small device battery backup)
- $300 & $500 portable generator rebates for well water dependent customers
- Self-Generation Incentive Program (SGIP)

Care During Outages

- Community Crew Vehicles and Community Resource Centers
  - Information & Customer Support
  - Resiliency Kits
- Hotel discounts

Community Resiliency

- Resiliency zones targeting essential services in rural communities providing back-up generation during PSPS
- Community partnerships

*Income-qualified Medical Baseline customers living in high-risk fire areas

Helping Protect Communities

- SCE supports the readiness of fire agencies
- SCE's partnership with local firefighting agencies will bring three fire-suppression helicopters to help combat wildfires across SCE's service area

Engaging Our Communities

- Customer education and community outreach
  - Use of digital, social media, media and radio channels
  - Community meetings for impacted communities
  - Annual PSPS newsletter to all customers
  - Engage our most vulnerable customers
  - Partner with community-based organizations to support resiliency and emergency preparedness
- Ongoing engagement with government officials, public safety partners, essential service providers and other stakeholders

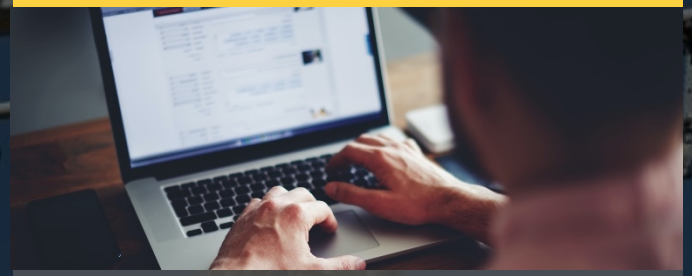
Website: sce.com/wildfire

Email: wildfireoutreach@sce.com

Social Media: @SCE on Twitter & Facebook

SCE Customer Support: 1-800-655-4555

LEARN MORE



- Visit our website to learn more about our wildfire safety efforts and Public Safety Power Shutoffs (PSPS)
- Provide feedback through the survey

SIGN UP

- PSPS alerts
- SCE's Medical Baseline program
- SCE programs and rebates

BE PREPARED

- Be prepared with a safety preparedness plan, some basic supplies and advance planning
- Power outage tips

Additional Resources

HELPFUL INFORMATION & RESOURCES

SCE Wildfire Webpage – sce.com/wildfire

SCE Notifications

- Sign up for PSPS alerts – sce.com/pspsalerts
- Sign up for the Energized by Edison Wildfire Mitigation Newsletter – energized.edison.com/newsletter

Situational Awareness

- PSPS maps and information – sce.com/psps
- PSPS decision making – sce.com/pspsdecisionmaking
- Role of weather in PSPS – sce.com/fireweather
- CPUC wildfire maps – cpuc.ca.gov/wildfiresinfo
- Fire cameras – alertwildfire.org

Preparedness

- SCE emergency preparedness – sce.com/beprepared
- CAL FIRE fire preparedness – readyforwildfire.org
- Red Cross emergency preparedness – redcross.org/prepare
- Listos California – listoscalifornia.org

Vegetation Management

- Vegetation Management – sce.com/safety/power-lines; contact 1-800-655-4555 or safetrees@sce.com

Customer Programs & Rebates

- SCE Customer Programs & Resources – sce.com/customerresources
- SCE Marketplace (rebates and programs) – marketplace.sce.com
- SCE Medical Baseline Program – sce.com/medicalbaseline
- Self Generation Incentive Program (SGIP) – sce.com/sgip or selfgenca.com

Community Meetings

- Join SCE's wildfire safety community meetings – sce.com/wildfiresafetymeetings

Social Media

- Follow @SCE on Twitter and Facebook

Home Generator Tips

Using a backup source of power can keep you up and running during an outage, but generators can be dangerous if connected or used improperly. Consult an electrician before you bring a generator home to determine the proper equipment and set you up safely.

1. Equipment Options: Choose a generator for more power than you think you will need, depending on what lighting, appliances, and equipment you plan to connect to the generator. Again, this is best determined by an electrician.

2. Safety Hazards: Every year people die in portable generator-related incidents. The primary hazards to avoid when using a generator are carbon monoxide (CO) poisoning, electric shock, electrocution and fire. Follow the directions supplied with the generator.

3. Getting Hooked up: Connect electrical equipment to a portable generator using a heavy duty, outdoor extension cord that is rated more than the sum of the connected appliance loads. Make sure the entire cord has no cuts or tears and that the plug has all three prongs, especially a grounding pin. Do not run portable generators indoors, and don't connect a portable generator to your home's electrical wiring or electrical panel as this can lead to serious injury or electrocution.

4. Beware of Backfeeding: Never try to power the house wiring by plugging a generator into a wall outlet, otherwise known as "backfeeding". This is extremely dangerous and can electrocute utility workers and even neighbors. Electrocution is the fifth leading cause of all reported occupational deaths.

5. Connect with an Electrician: If you decide to wire a generator directly to your home, California state law mandates that you notify Southern California Edison. The only recommended method to connect a generator to house wiring is by having a qualified electrician install a power transfer switch, in compliance with national, state and local electrical codes. Find a licensed electrician to see if you can install the appropriate equipment.

6. Portable vs. Permanent: Even a properly connected portable generator can become overloaded, become overheated and stress the generator components, which can lead to generator failure. For power outages, permanently installed, stationary generators are better suited for providing backup power to a home or business.

For more information, see the Understanding Backup Generation fact sheet.