WELCOME - HOUSEKEEPING

Thank you for joining us this evening.

This meeting is being recorded.

Please note, the chat function, camera, microphone, and reactions are disabled for this meeting.

To add closed captioning, please click the three dots found at the top right of the tool bar. In the dropdown menu, select turn on live captions.

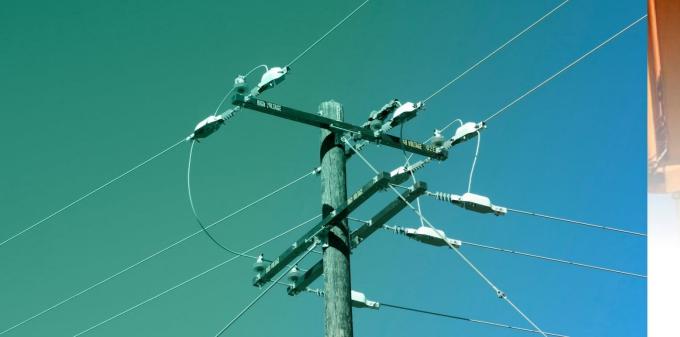
To submit a question, use the **Q&A window** throughout the session.

Please only submit questions that are relevant to the presentation and topics being presented.



Community Meeting for Ventura County May 17, 2022



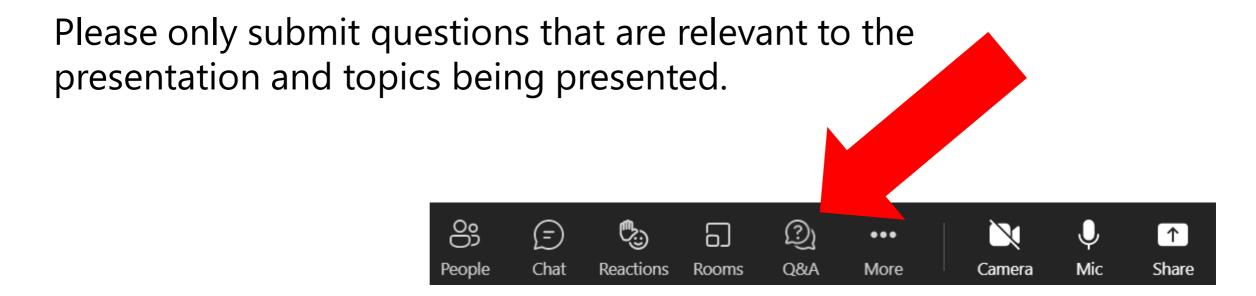


Our Commitment to California

Keeping our communities safe from wildfires

HOW TO SUBMIT A QUESTION

You can submit a question using the **Q&A window** throughout the session.



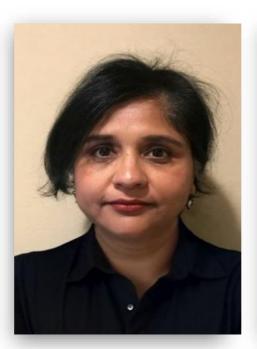
PRESENTERS



Patrick Maynard
Director
Office of Emergency Services
Ventura County Sheriff



Andrew Thomas
Government Relations
Manager
Local Public Affairs



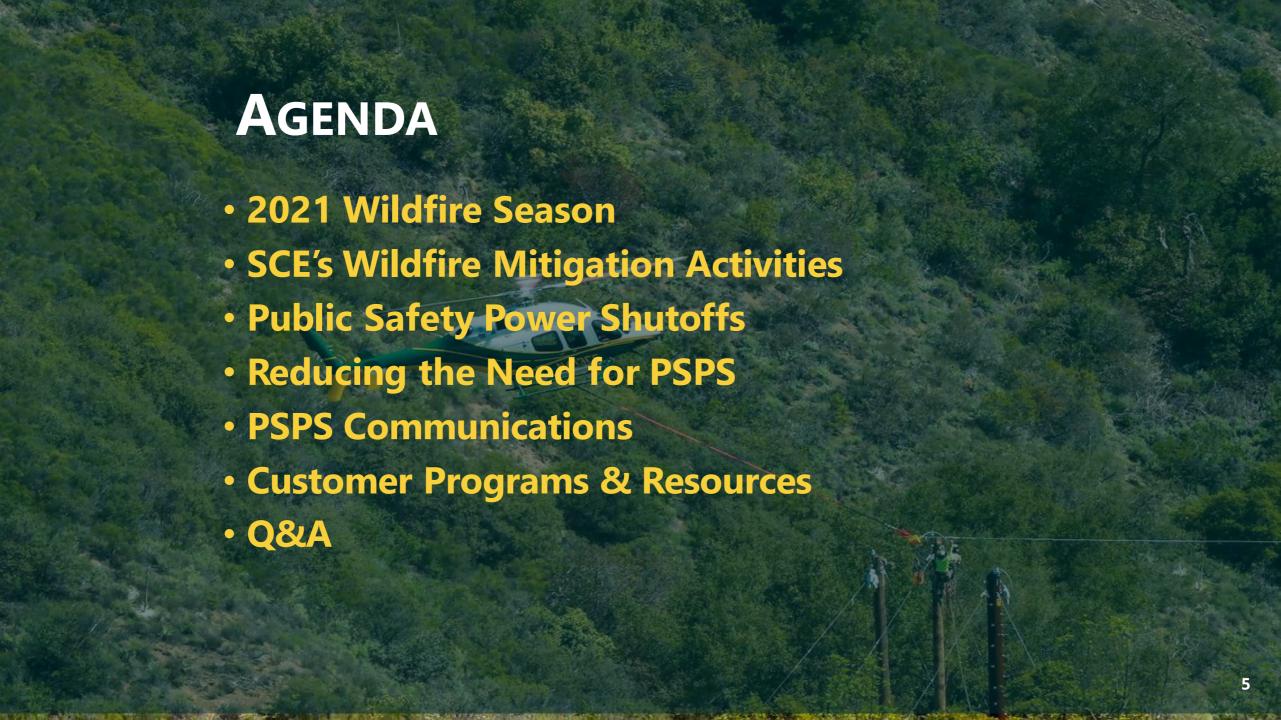
Shinjini Menon
Vice President
Asset Management &
Wildfire Safety



Cameron McPherson Senior Manager Wildfire Safety



Danielle Anderson
Senior Manager
Customer Care



BE PREPARED FOR POTENTIAL EMERGENCIES



An emergency can happen at any time.

Have a Plan & Make a Kit

You can help your family be prepared for any emergency situation with a safety preparedness plan, an emergency kit with some basic supplies and advance planning. Whether a storm, an earthquake, a wildfire or a flood comes our way, preparedness will help everyone cope better and stay safer. Learn more at sce.com/beprepared.

VC Alert

Ventura County's mass notification system Register online - VCAlert.org

VCEmergency.com

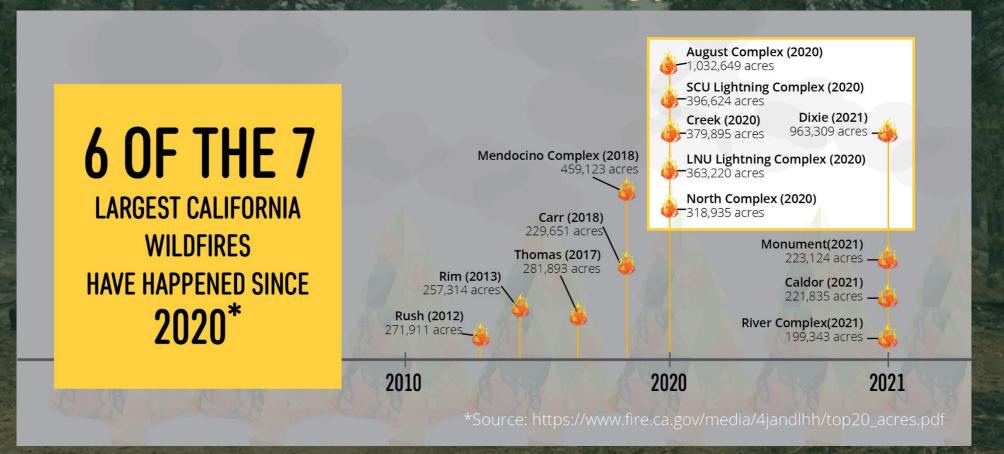
Ventura County's dedicated emergency information website.

Wildfire Preparedness

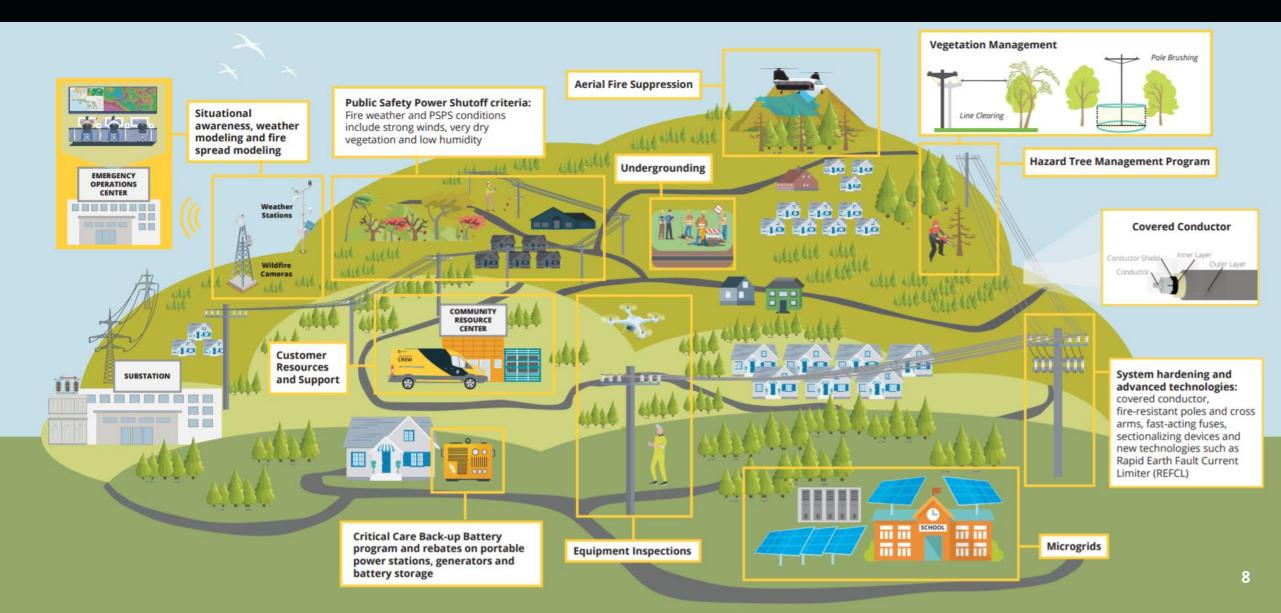
VCFD.org

2021 WILDFIRE SEASON

California experienced another year of extreme wildfire activity, exacerbated by intensifying drought. Dry vegetation and strong winds continue to threaten our communities during year-round fire season



REDUCING WILDFIRE RISK IN OUR COMMUNITIES



INSULATED WIRE IS ONE OF THE MOST EFFECTIVE MEASURES TO REDUCE WILDFIRE & PSPS RISKS IN SCE'S SERVICE AREA

Insulated wire is a very valuable tool to expeditiously and cost-effectively reduce wildfire risk specific to SCE

Undergrounding considered for certain locations based on risk profile

Geography

Contact from vegetation and other objects is a key risk factor in much of SCE's area

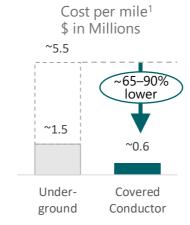
Insulated wire is very effective in mitigating these risks



Cost to Implement

Insulated wire installation costs significantly lower than undergrounding

Undergrounding costs vary depending on construction methods, locational, and operational factors

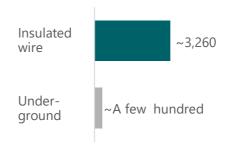


Execution Speed

Insulated wire can be deployed within 16–24+ months, and sometimes faster

Undergrounding generally takes 25–48+ months

Actual installed miles of insulated wire² vs. <u>hypothetical</u> undergrounded miles³



Unique Factors

Undergrounding is considered where there is:

- High burn frequency
- Limited egress
- Wind speeds exceeding insulated wire PSPS thresholds
- Exceptionally high potential consequence (>10,000 acres)

Several hundred miles
currently under
consideration
for additional
enhanced mitigation,
including
undergrounding

- 1. Based on data provided in SCE's 2022 WMP Update
- 2. Through March 31, 2022
- 3. Undergrounded miles is a hypothetical approximation of underground lines that could have been constructed through March 31, 2022, based on SCE's assumptions and experience with planning and executing undergrounding projects

REDUCING WILDFIRE RISK & PSPS IMPACTS – BY THE NUMBERS

SCE estimates its wildfire mitigation and PSPS measures have reduced the risk of damage from catastrophic¹ wildfires by **65% to 70%**, relative to pre-2018 levels.



ONGOING WILDFIRE MITIGATION EFFORTS

~34% of overhead wire in high fire risk areas replaced with insulated wire²

Suite of mitigations include system hardening, annual equipment inspections, vegetation management and situational awareness measures



IMPROVED PSPS EXECUTION & CUSTOMER SUPPORT

73% reduction in PSPS outage time in 2021 on frequently impacted circuits³

81,000 customers removed from scope from exceptions and switching protocols

64 Community Resource Centers available



AERIAL FIRE SUPPRESSION SUPPORT

Contributed \$18 million for the creation of the quick reaction force of the world's largest helitankers

Used on more than 50 fires in 2021, helping to suppress fires in its early stages

10

3. Based on 2021 weather and fuel conditions

^{1.} A wildfire directly causing one or more deaths, damaging or destroying more than 500 structures, or burning more than 140,000 acres of land

^{2.} Though March 31, 2022

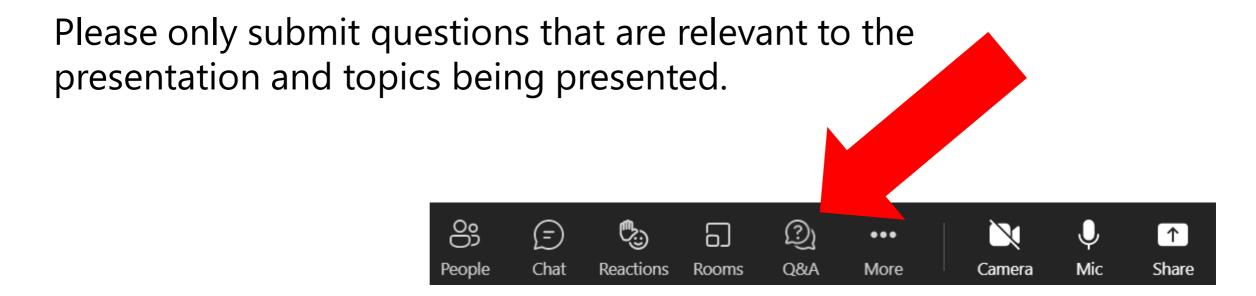
PUBLIC SAFETY POWER SHUTOFFS



- A tool of last resort used during dangerous fire conditions (weather and fuels)
- De-energizing lines to prevent a spark from our equipment starting a significant wildfire
- Primarily impacts circuits in high fire risk areas
- Use of multiple methods to notify customers and partners in affected areas before, during and after a PSPS event
 - In 2021, continued PSPS improvements and reduced frequency, scope and duration of PSPS

HOW TO SUBMIT A QUESTION

You can submit a question using the **Q&A window** throughout the session.



REDUCING THE NEED FOR PSPS

2021 ACHIEVEMENTS AND 2022 PLANS



Insulated Wire

Replaced an additional

1,500 miles of bare wire
with insulated wire; 700
miles of expedited grid
hardening to raise PSPS
threshold prior to peak
wind season. Plan to
replace 1,100 miles in
2022; 270 miles of
expedited grid hardening



Segmentation

Installed 23
additional remotecontrolled
sectionalizing
devices to segment
and isolate circuits
during PSPS. Plan
to add 15 devices
in 2022.



Weather Stations

Installed 400
additional weather
stations for
improved
forecasting and
accuracy of PSPS
operations. Plan to
add 150 weather
stations in 2022.



Switching Protocols

Removed **81,000**customers from
PSPS scope
through
exceptions and
switching
protocols



Operational Protocols

Utilized up-to-date information on ground conditions (e.g., lack of vegetation) to assess wildfire threat and the need for PSPS

2021 PSPS EVENTS

Service Area
Compared to 2020

Statistics	Customers Interrupted	Circuit Interruptions	Customer Minutes of Interruption
2020 Fire Season	~348K	~584	~388M
2021 Fire Season	~85K	~124	~105M
Delta	↓76 %	↓79 %	↓73 %

Ventura
County
Compared to 2020

Statistics	Customers Interrupted	Circuit Interruptions	Customer Minutes of Interruption
2020 Fire Season	~99k	~131	~136M
2021 Fire Season	~15k	~25	~27M
Delta	↓84 %	↓81 %	↓80 %

80%

REDUCTION IN
CUSTOMER MINUTES
OF INTERRUPTION IN
VENTURA COUNTY

EXPEDITED GRID HARDENING

ON CIRCUITS IMPACTED BY PSPS IN VENTURA COUNTY



Completed in 2021

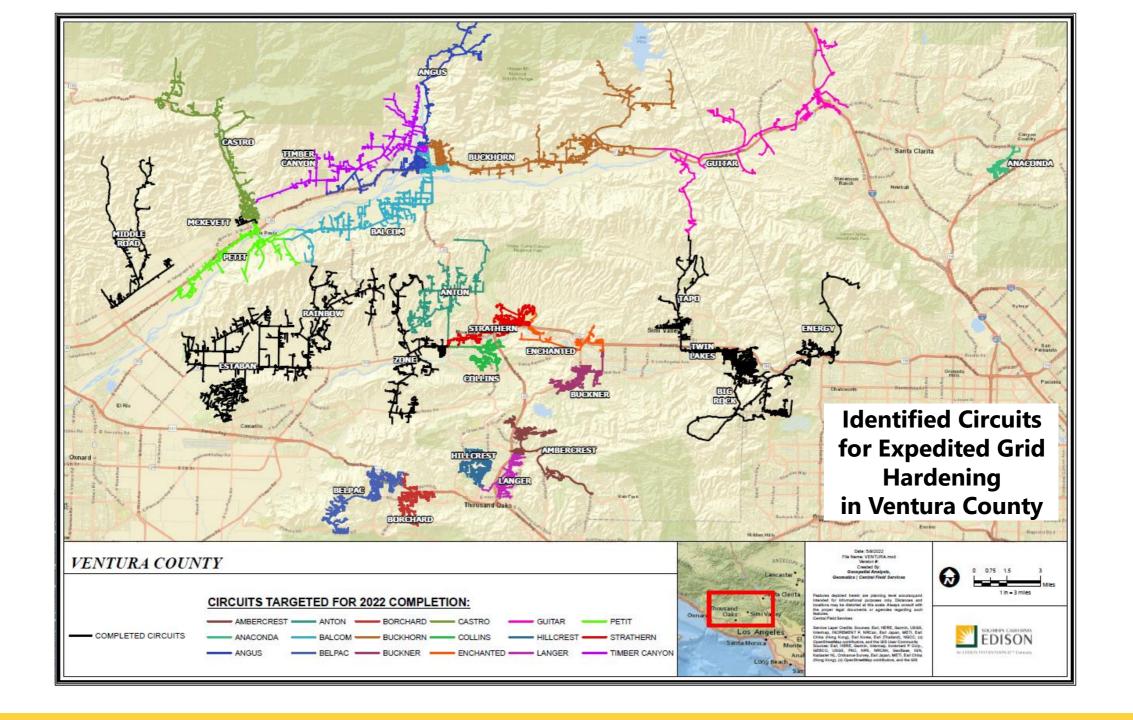
- Expedited installation of*:
 - **139** miles of insulated wire
 - **5** sectionalizing devices
 - **4** weather stations
- Removed 12 circuits and 4 circuit segments from PSPS consideration
- Raised PSPS wind threshold on
 6 circuits

*Note: Number of total installed on all circuits in the county may be higher

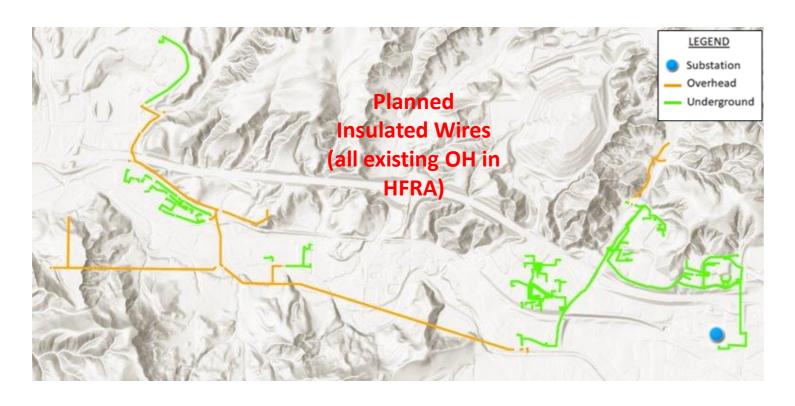
Plans for 2022

- Expedite installation of:
 - **64** miles of insulated wire
 - **4** sectionalizing devices
 - **7** weather stations
- Raise PSPS wind threshold on
 2 circuits

Target Completion Date: Oct. 1, 2022



EXAMPLE OF REDUCING THE NEED FOR PSPS



Circuit: Enchanted

Community: Moorpark, Simi Valley

Planned Work:

 Replace 6.3 miles of existing overhead wire with new insulated wire

Expected Completion Date:

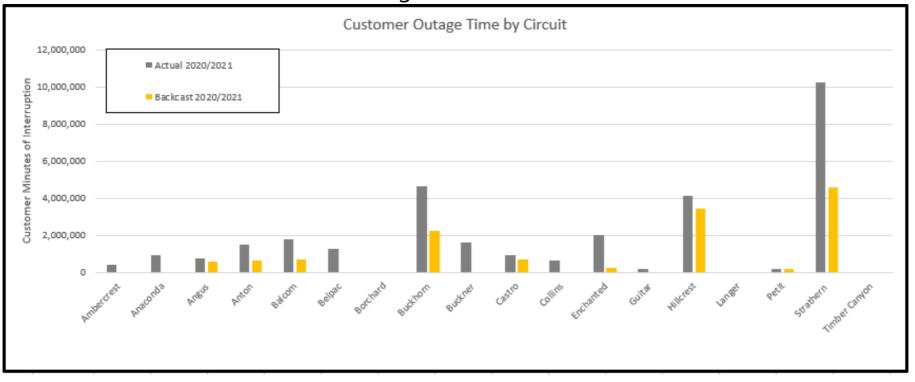
• 10/1/2022

Expected Improvements:

• 88% reduction in customer outage time, assuming the same weather conditions in 2020 and 2021

EXPECTED IMPROVEMENTS

With the implementation of our plans this year, we expect to see a **43% reduction in customer outage time** across these PSPS impacted circuits in Ventura County communities compared to 2020 and 2021, assuming the same weather conditions



Updated: 05-16-2022

- 1) PSPS impacted circuits are circuits that have experienced one or more PSPS related outages in 2019-2021
- 2) Customer outage time is measured as total Customer Minutes of Interruption (CMI)
- 3) Timber Canyon calculations are in progress, so an estimated 75% improvement is shown (based on completed circuit calculation average improvement)
- 4) The Borchard and Langer planned work is only a weather station for which benefits cannot be calculated

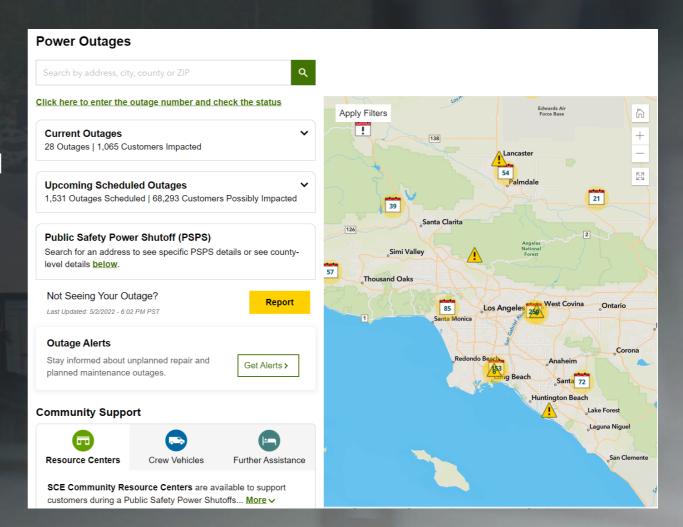
PSPS COMMUNICATIONS

Notifications

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

SCE Outage Map

Consolidated outage map that incorporates PSPS outages



SCE CUSTOMER PROGRAMS & RESOURCES



CUSTOMER RESOURCE CENTERS & COMMUNITY CREW VEHICLES

- Services offered: information, charging of mobile devices, assistive technology/medical devices, PSPS outage alert enrollment support, access to water, light snacks, ice and ice vouchers, restrooms, and small insulated bags to keep medication cool
- Translations services for over 120 languages including American Sign Language (ASL)



CUSTOMER PROGRAMS

- Partnered with 211 to help customers with Access and Functional Needs (AFN) develop a resiliency plan and enroll in eligible assistance programs
- 211 provides specialized referrals for customers with AFN experiencing PSPS.
 Services include connecting customers to shelf-stable food, hot meal delivery, transportation and/or temporary shelter
- SCE will improve communication methods, including videos utilizing ASL for marketing and PSPS notifications



CUSTOMER RESILIENCY EQUIPMENT

- Critical Care Backup Battery program and the In-Event Battery Loan pilot provide eligible customers with a portable backup battery to power assistive technology/medical devices during a PSPS event
- Rebates on portable batteries and generators for customers residing in high fire risk areas on <u>marketplace.sce.com</u>

Website: sce.com/wildfire Energized by Edison Stories & Videos: edison.com/wildfire-safety

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

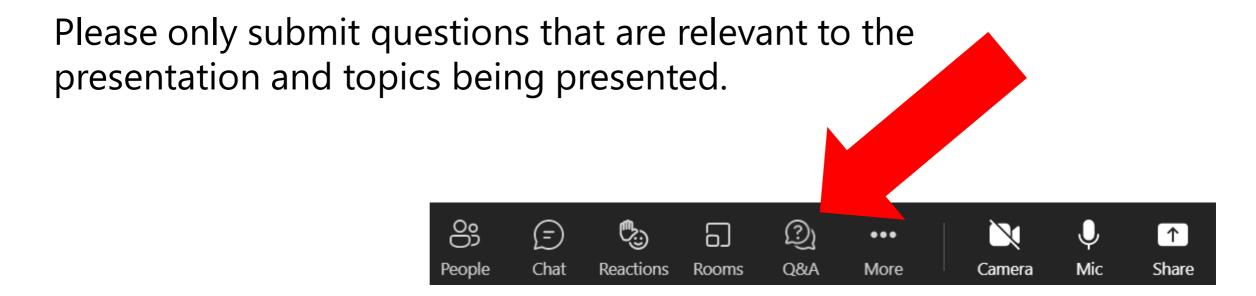
BE PREPARED



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

HOW TO SUBMIT A QUESTION

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ADDITIONAL RESOURCES

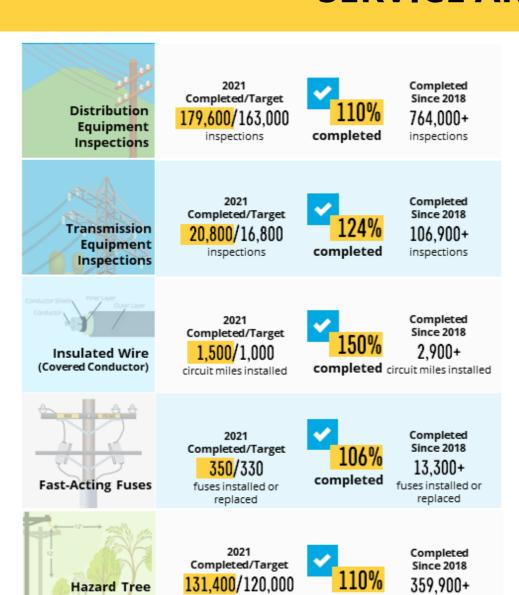




Wildfire Mitigation Activities **SERVICE AREA**

2021 Year-End Progress Report

Data as of 12/31/21

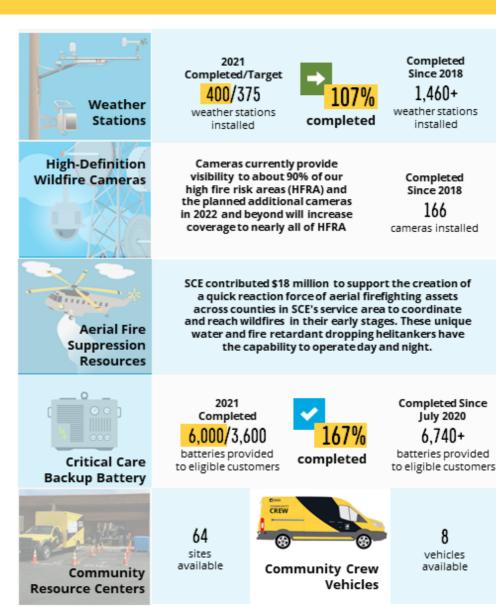


trees assessed

completed

trees assessed

Management





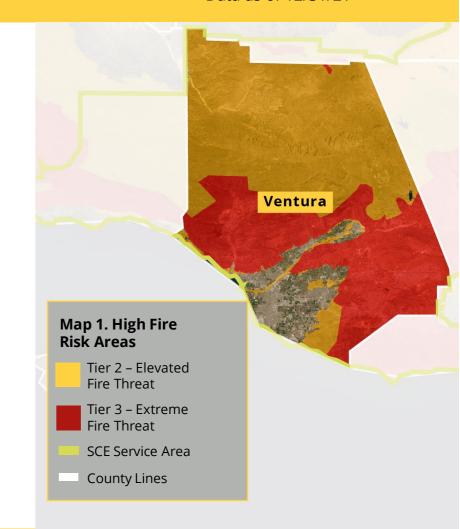
Wildfire Mitigation Activities **VENTURA COUNTY**

2021 Year-End Progress Report

Data as of 12/31/21

Completed

	2021	SINCE 2018	
DISTRIBUTION EQUIPMENT INSPECTIONS	22,926 inspections	106,820 inspections	
TRANSMISSION EQUIPMENT INSPECTIONS	2,263 inspections	11,796 inspections	
COVERED CONDUCTOR	253 circuit miles installed	432 circuit miles installed	
FAST-ACTING FUSES	27 fuses installed or replaced	1,426 fuses installed or replaced	
SECTIONALIZING DEVICES	5 devices installed	14 devices installed	
HAZARD TREE MANAGEMENT	9,854 trees assessed	20,054 trees assessed	
WEATHER STATIONS	60 weather stations installed	170 weather stations installed	
HIGH-DEFINITION WILDFIRE CAMERAS	30 cameras installed		
COMMUNITY RESOURCE CENTERS	14 sites available		
COMMUNITY CREW VEHICLES	8 vehicles available throughout SCE's service area		

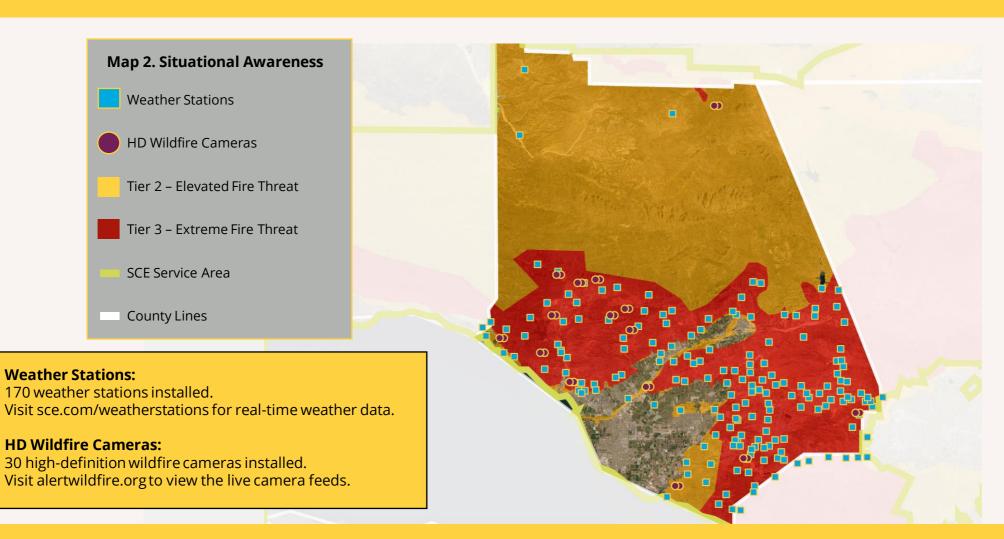




Wildfire Mitigation Activities **VENTURA COUNTY**

2021 Year-End Progress Report

Data as of 12/31/21



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 <u>ia.cpuc.ca.gov/firemap/</u>
- Wildfire cameras <u>alertwildfire.org</u>
- Weather stations **sce.com/weatherstations**

Preparedness

- SCE emergency preparedness <u>sce.com/beprepared</u>
- CAL FIRE preparedness <u>readyforwildfire.org</u>

Vegetation Management

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

Customer Programs & Rebates

- SCE Customer Programs & Resources <u>sce.com/customerresources</u>
- SCE Marketplace (rebates and programs) <u>marketplace.sce.com</u>
- SCE Medical Baseline Program <u>sce.com/medicalbaseline</u>
- Self Generation Incentive Program (SGIP) <u>sce.com/sgip</u> or <u>selfgenca.com</u>
- SCE Customer Support: 1-800-655-4555

Community Meetings

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

Energized by Edison

 Stories and videos on SCE's wildfire mitigation efforts and PSPS – edison.com/wildfire-safety

VIDEO: INSTALLING INSULATED WIRE AERIALLY

