

WELCOME - HOUSEKEEPING

Thank you for joining us this evening.

This meeting is being recorded.

Please note, your 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.



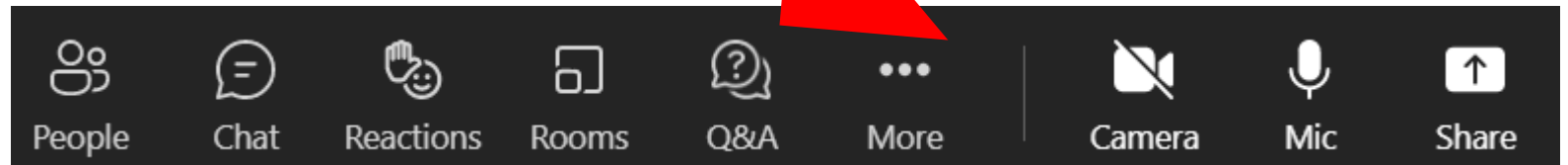
Our Commitment to California

Keeping our communities safe from wildfires

HOW TO SUBMIT A QUESTION

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PRESENTERS

Gabriel De La Cerda
Emergency Management
Specialist
Fresno County OES



Brian Thoburn
Government Relations
Manager
Local Public Affairs



Greg Ferree
Vice President
Vegetation Inspections &
Operational Services



**Cameron
McPherson**
Senior Manager
Wildfire Operations



Jennifer Ocampo
Senior Advisor
Customer Programs &
Services

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**Cameron
McPherson**
Senior Manager
Wildfire Operations



Carolyn Sims
Senior Manager
Community & Climate Equity

AGENDA

- **2021 Wildfire Season**
- **SCE's Wildfire Mitigation Activities**
- **Public Safety Power Shutoffs**
- **Reducing the Need for PSPS**
- **PSPS Communications**
- **Customer Programs & Resources**
- **Q&A**

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](https://www.sce.com/beprepared).

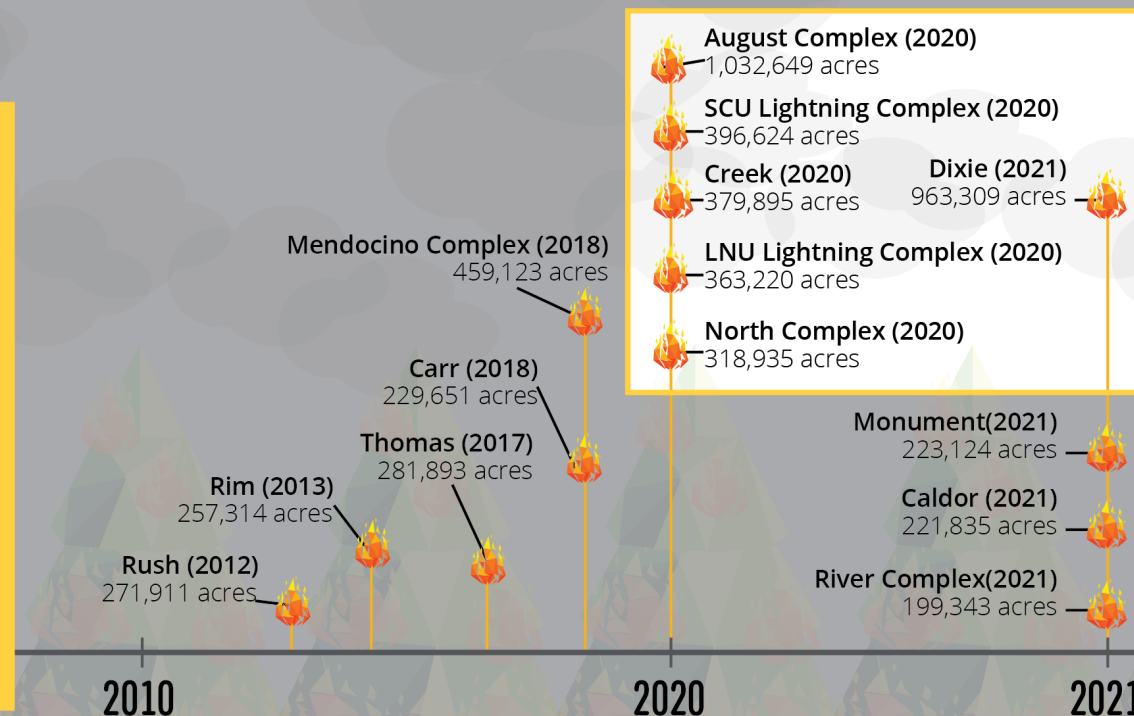
Wildfire Preparedness Tips:

CAL FIRE ([readyforwildfire.org](https://www.readyforwildfire.org))

2021 WILDFIRE SEASON

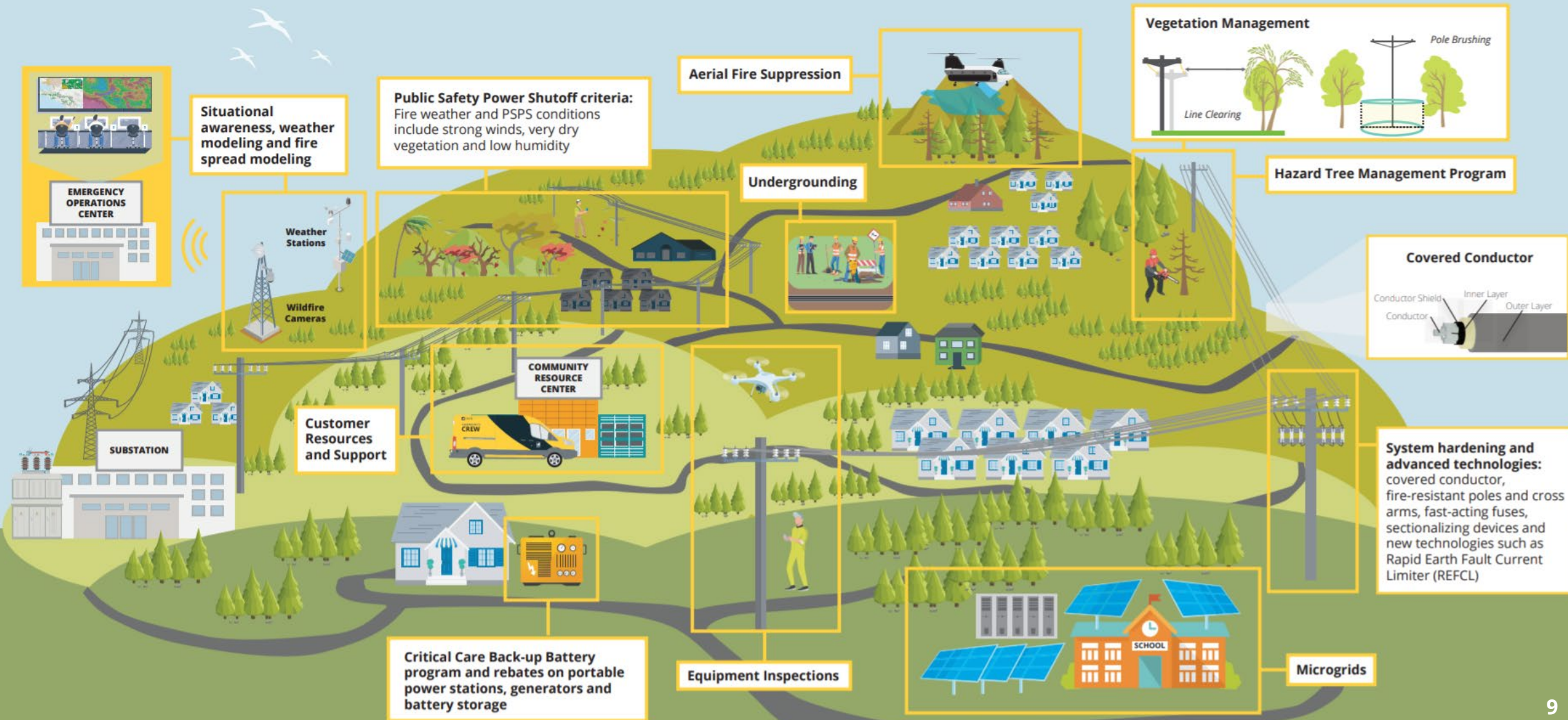
California experienced another year of extreme wildfire activity, exacerbated by intensifying drought. Dry vegetation and strong winds continue to threaten our communities during year-round fire season

**6 OF THE 7
LARGEST CALIFORNIA
WILDFIRES
HAVE HAPPENED SINCE
2020***



*Source: https://www.fire.ca.gov/media/4jandlhh/top20_acres.pdf

REDUCING WILDFIRE RISK IN OUR COMMUNITIES



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

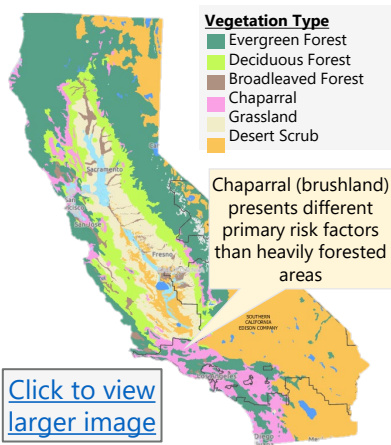
Covered conductor is a very valuable tool to expeditiously and cost-effectively reduce wildfire risk specific to SCE

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

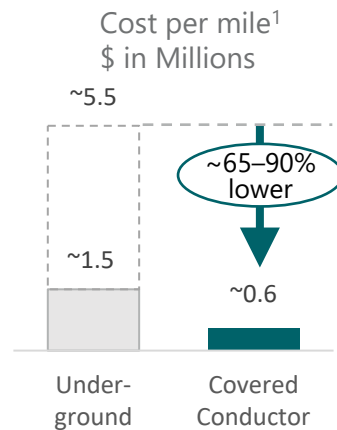
Covered conductor is very effective in mitigating these risks



Cost to Implement

Covered conductor installation costs significantly lower than undergrounding

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

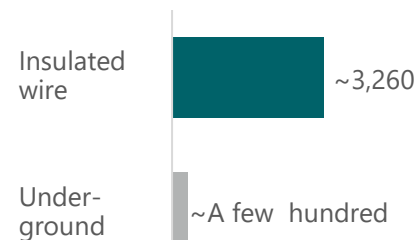


Execution Speed

Covered conductor can be deployed within 16-24+ months, and sometimes faster

Undergrounding generally takes 25-48+ months

Actual installed miles of covered conductor² vs. hypothetical undergrounded miles³



Unique Factors

Undergrounding is considered where there is:

- High burn frequency
- Limited egress
- Wind speeds exceeding covered conductor 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 covered conductor²

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

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. Through March 31, 2022

3. Based on 2021 weather and fuel conditions

PUBLIC SAFETY POWER SHUTOFFS

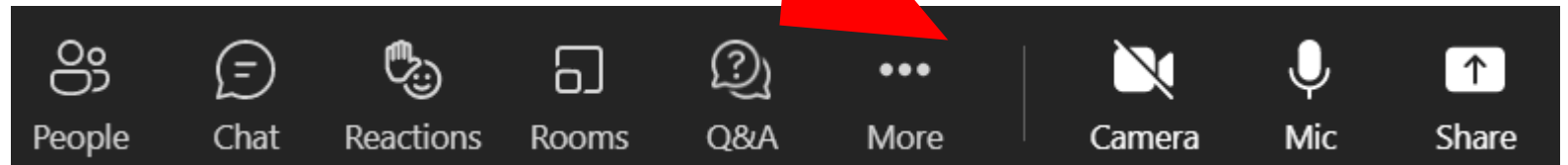
- A tool of last resort used during dangerous fire conditions (weather and fuels)
- De-energizing lines to prevent a spark from our equipment starting a significant wildfire
- Primarily impacts circuits in high fire risk areas
- Use of multiple methods to notify customers and partners in affected areas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



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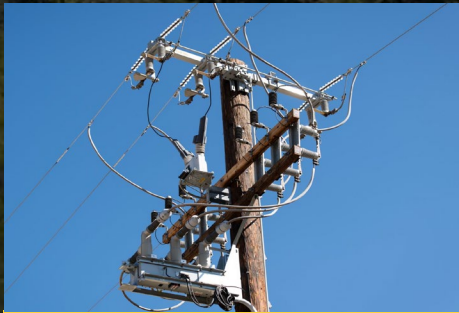
REDUCING THE NEED FOR PSPS

2021 ACHIEVEMENTS AND 2022 PLANS



Covered Conductor

Replaced an additional **1,500** miles of bare wire with covered conductor; **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 remote-controlled 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%

Fresno County Compared to 2020

Statistics	Customers Interrupted	Circuit Interruptions	Customer Minutes of Interruption
2020 Fire Season	~4	~1	~8K
2021 Fire Season	0	0	0
Delta	↓100%	↓100%	↓100%

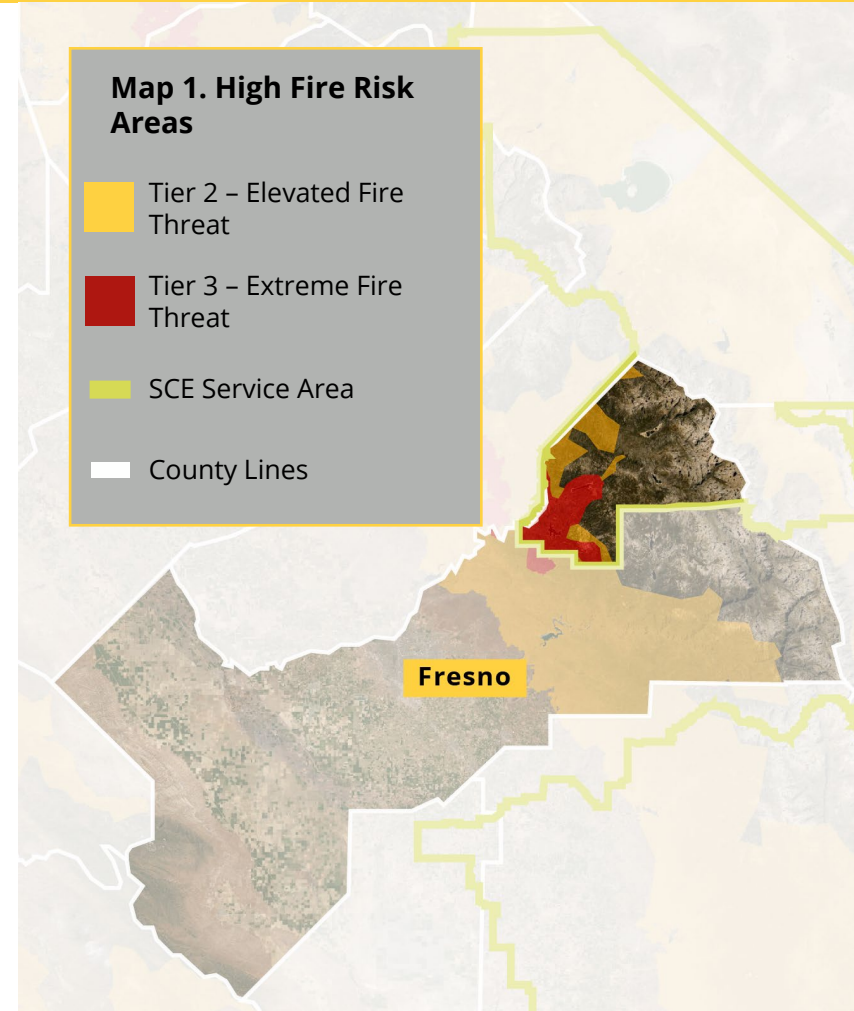
100%

**REDUCTION IN
CUSTOMER MINUTES
OF INTERRUPTION IN
FRESNO COUNTY**

*Madera, Tulare and Tuolumne Counties did not experience any PSPS events

Completed

	2021	SINCE 2018
DISTRIBUTION EQUIPMENT INSPECTIONS	765 inspections	7,568 inspections
TRANSMISSION EQUIPMENT INSPECTIONS	93 inspections	1,761 inspections
COVERED CONDUCTOR	1 circuit miles installed	18 circuit miles installed
FAST-ACTING FUSES	1 fuses installed or replaced	41 fuses installed or replaced
SECTIONALIZING DEVICES	0 devices installed	0 devices installed
HAZARD TREE MANAGEMENT	15,851 trees assessed	52,146 trees assessed
WEATHER STATIONS	4 weather stations installed	22 weather stations installed
HIGH-DEFINITION WILDFIRE CAMERAS	0 cameras installed	
COMMUNITY RESOURCE CENTERS	0 sites available	
COMMUNITY CREW VEHICLES	8 vehicles available throughout SCE's service area	



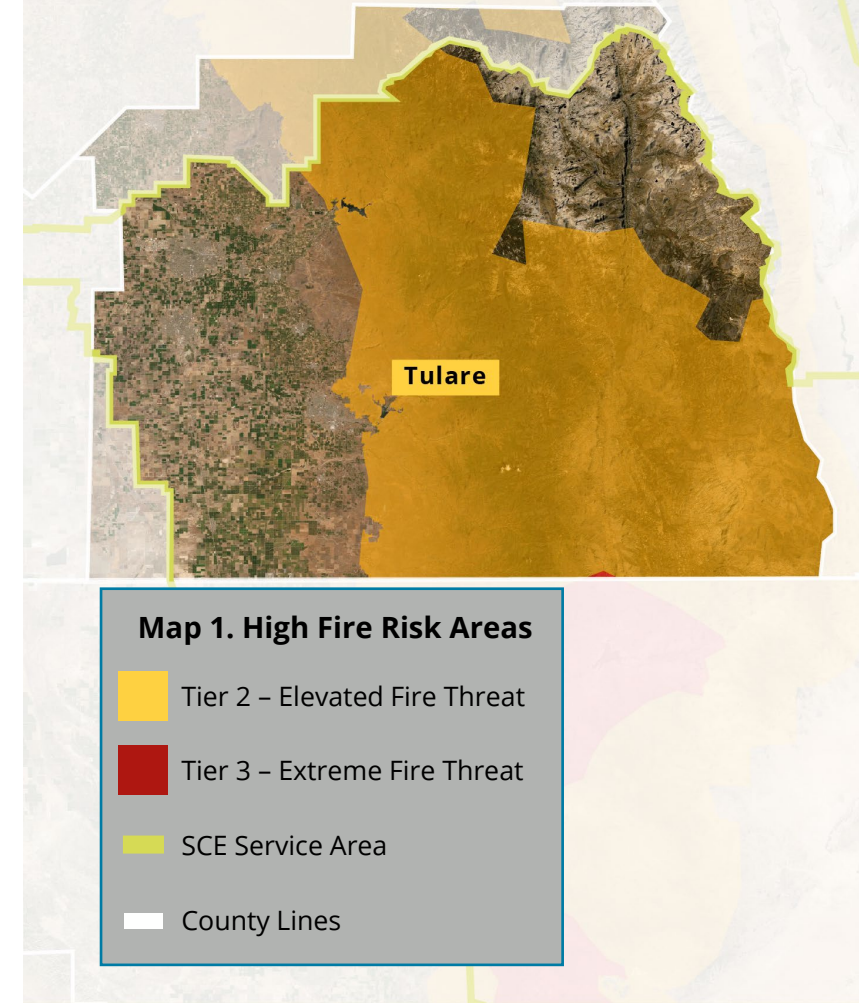
SCE tracks wildfire initiative progress by SCE districts and extrapolates to the county level as a reasonable approximation. There may be additional circuit miles of covered conductor installed due to fire restoration work.

SCE's service area covers about **14%** of Fresno County. About **2,790** customer accounts are served by circuits in high fire risk areas.

Wildfire Mitigation Activities **TULARE COUNTY**

Completed

	2021	SINCE 2018
DISTRIBUTION EQUIPMENT INSPECTIONS	6,935 inspections	29,858 inspections
TRANSMISSION EQUIPMENT INSPECTIONS	1,102 inspections	3,798 inspections
COVERED CONDUCTOR	83 circuit miles installed	179 circuit miles installed
FAST-ACTING FUSES	6 fuses installed or replaced	561 fuses installed or replaced
SECTIONALIZING DEVICES	0 devices installed	0 devices installed
HAZARD TREE MANAGEMENT	7,942 trees assessed	20,888 trees assessed
WEATHER STATIONS	13 weather stations installed	44 weather stations installed
HIGH-DEFINITION WILDFIRE CAMERAS	8 cameras installed	
COMMUNITY RESOURCE CENTERS	4 sites available	
COMMUNITY CREW VEHICLES	8 vehicles available throughout SCE's service area	



SCE tracks wildfire initiative progress by SCE districts and extrapolates to the county level as a reasonable approximation. There may be additional circuit miles of covered conductor installed due to fire restoration work.

SCE's service area covers about **84%** of Tulare County. About **16,500** customer accounts are served by circuits in high fire risk areas.

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 at [sce.com/outagemap](https://www.sce.com/outagemap)

Power Outages

Search by address, city, county or ZIP

[Click here to enter the outage number and check the status](#)

Current Outages ▾
28 Outages | 1,065 Customers Impacted

Upcoming Scheduled Outages ▾
1,531 Outages Scheduled | 68,293 Customers Possibly Impacted

Public Safety Power Shutoff (PSPS)
Search for an address to see specific PSPS details or see county-level details [below](#).

Not Seeing Your Outage? [Report](#)

Last Updated: 5/2/2022 - 6:02 PM PST

Outage Alerts
Stay informed about unplanned repair and planned maintenance outages. [Get Alerts >](#)

Community Support

[Resource Centers](#) [Crew Vehicles](#) [Further Assistance](#)

SCE Community Resource Centers are available to support customers during a Public Safety Power Shutoffs... [More ▾](#)

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 marketplace.sce.com

Website: [sce.com/wildfire](https://www.sce.com/wildfire)
Energized by Edison Stories & Videos: [edison.com/wildfire-safety](https://www.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

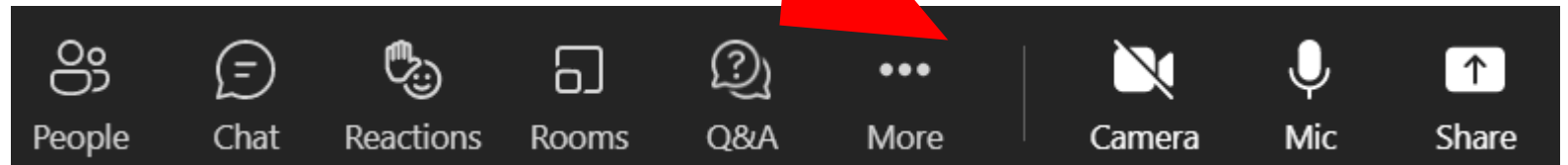


- Be prepared with a safety preparedness plan, some basic supplies and advance planning
- Power outage tips

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THANK YOU

Website: sce.com/wildfire

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

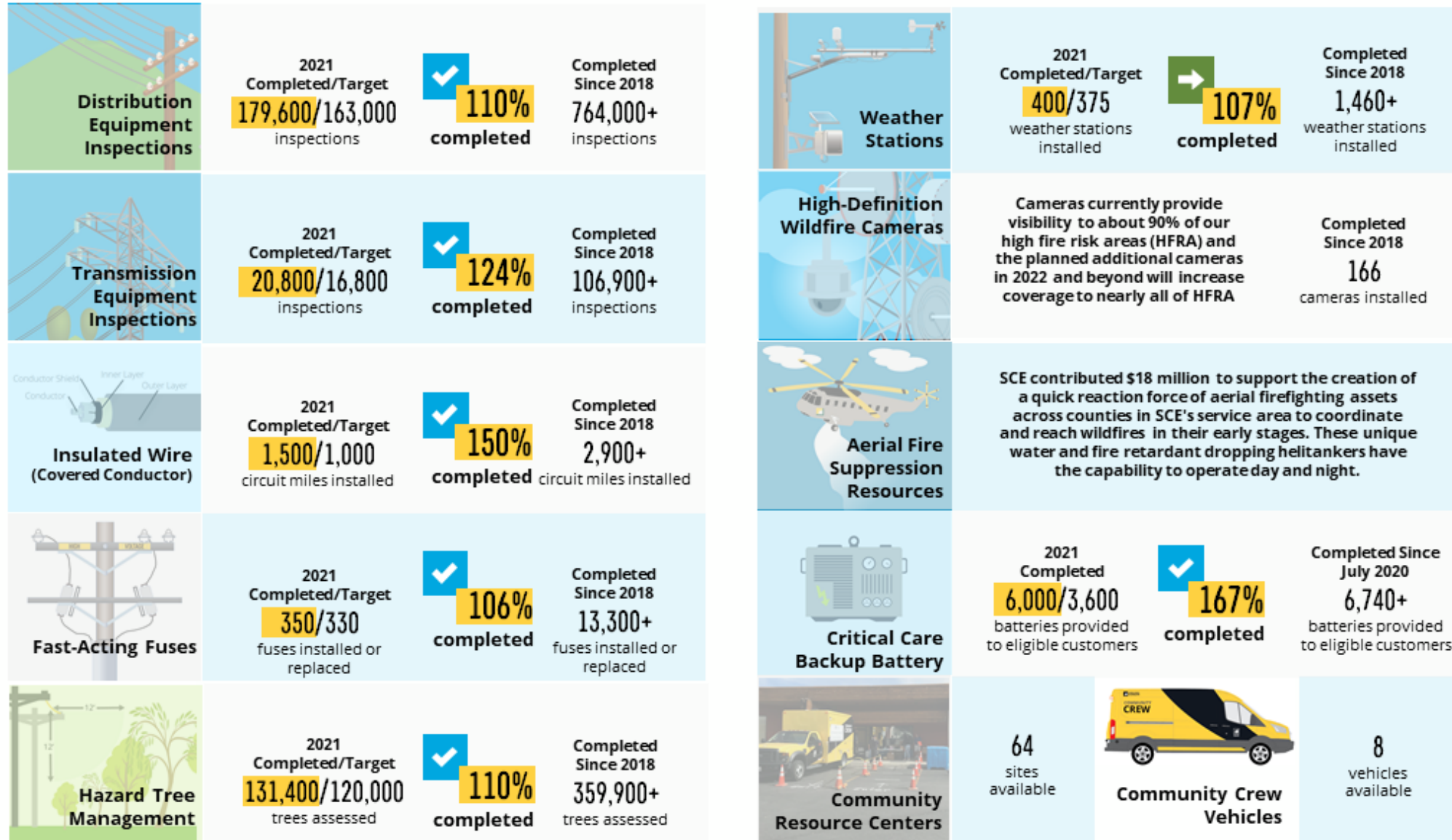
Email: wildfireoutreach@sce.com

Social Media: [@SCE](#) on Twitter & Facebook






SCE Customer Support: 1-800-655-4555

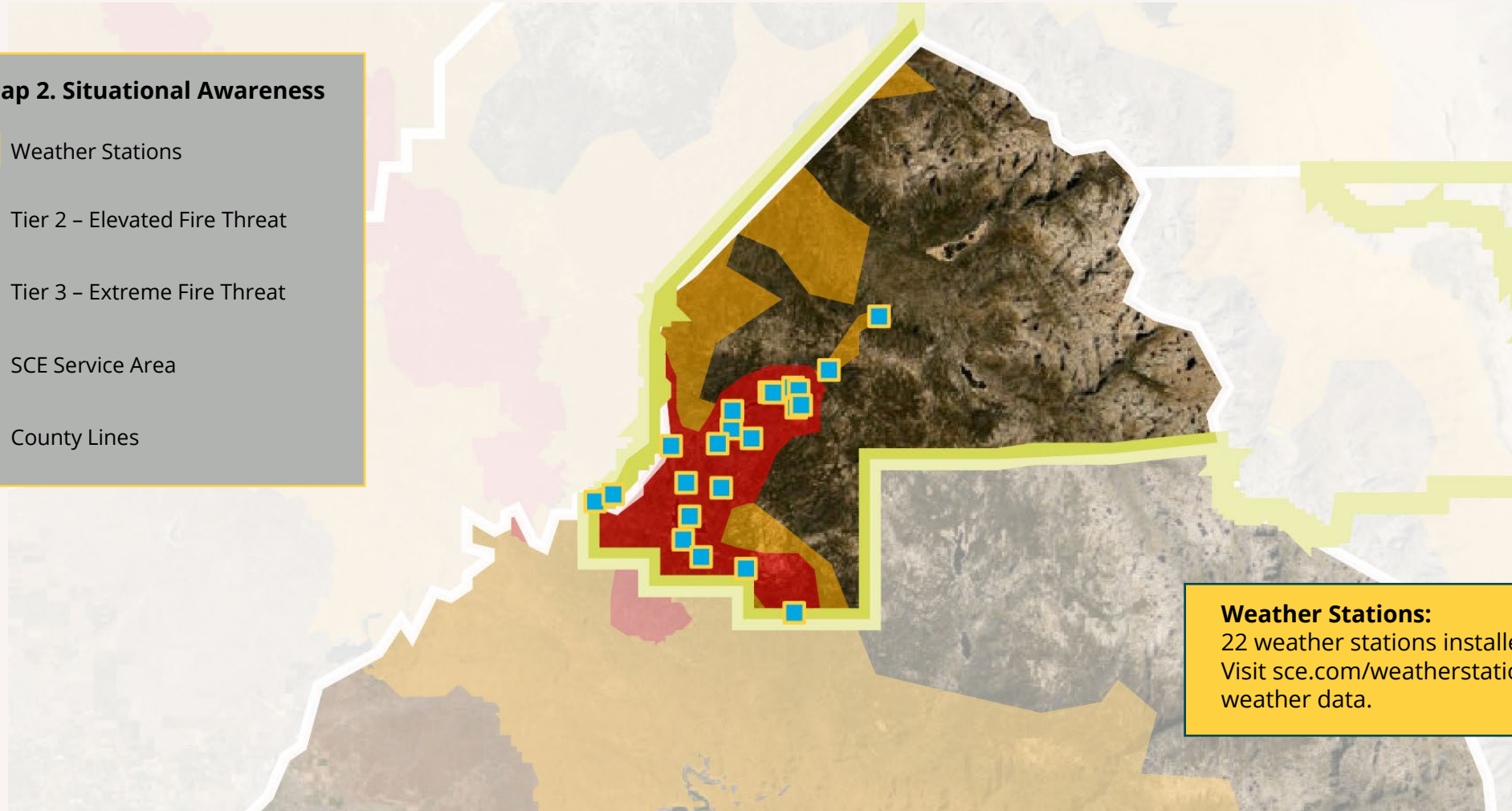
ADDITIONAL RESOURCES





Map 2. Situational Awareness

-  Weather Stations
-  Tier 2 – Elevated Fire Threat
-  Tier 3 – Extreme Fire Threat
-  SCE Service Area
-  County Lines

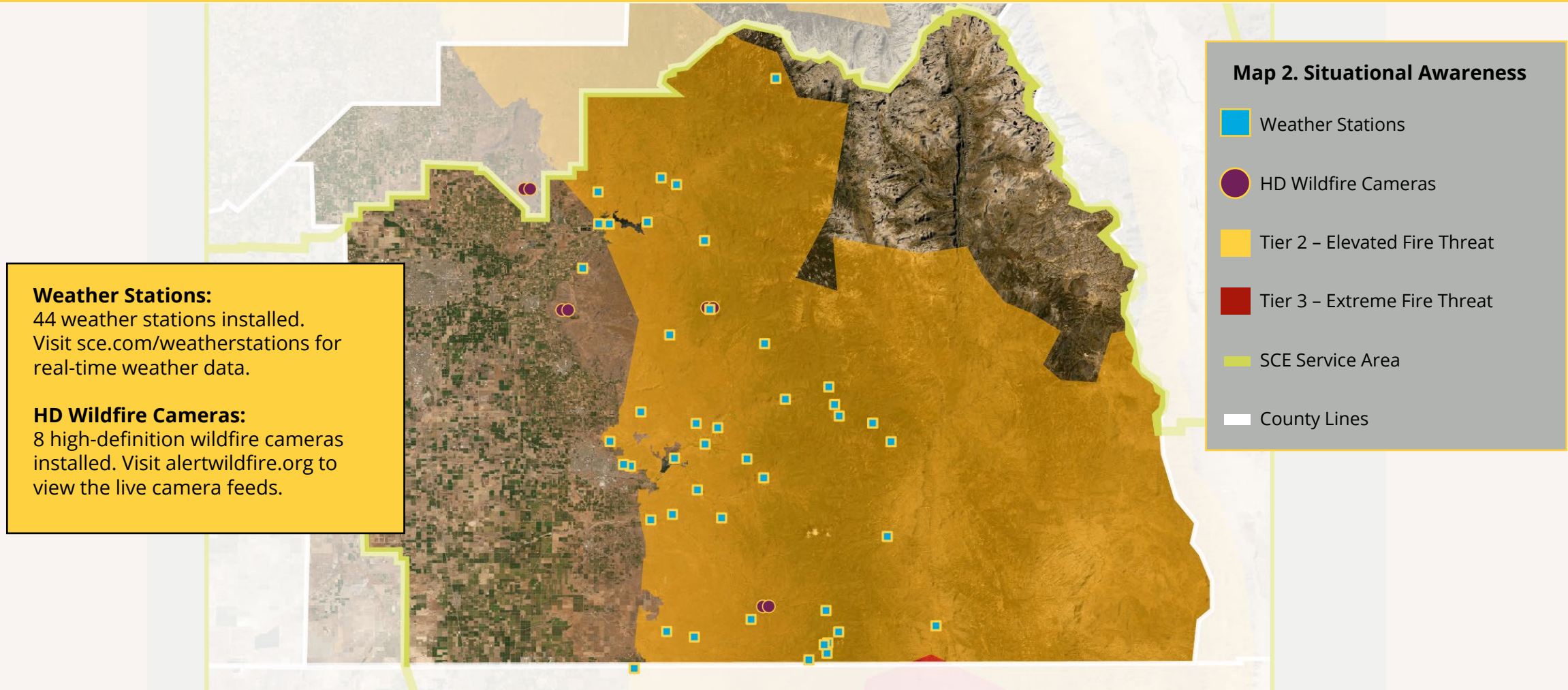


Weather Stations:

22 weather stations installed.

Visit [sce.com/weatherstations](https://www.sce.com/weatherstations) for real-time weather data.

Wildfire Mitigation Activities **TULARE COUNTY**



HELPFUL INFORMATION & RESOURCES

SCE Wildfire Webpage – [sce.com/wildfire](https://www.sce.com/wildfire)

SCE Notifications

- Sign up for PSPS alerts – [sce.com/pspsalerts](https://www.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](https://www.sce.com/psps)

- PSPS decision making – [sce.com/pspsdecisionmaking](https://www.sce.com/pspsdecisionmaking)
- Role of weather in PSPS – [sce.com/fireweather](https://www.sce.com/fireweather)
- CPUC wildfire maps – ia.cpuc.ca.gov/firemap/
- Wildfire cameras – [alertwildfire.org](https://www.alertwildfire.org)
- Weather stations – [sce.com/weatherstations](https://www.sce.com/weatherstations)

Preparedness

- SCE emergency preparedness – [sce.com/beprepared](https://www.sce.com/beprepared)
- CAL FIRE preparedness – [readyforwildfire.org](https://www.readyforwildfire.org)

Vegetation Management

- Vegetation Management – [sce.com/safety/power-lines](https://www.sce.com/safety/power-lines); contact 1-800-655-4555 or safetrees@sce.com

Customer Programs & Rebates

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

Community Meetings

- Join SCE's wildfire safety community meetings – [sce.com/wildfiresafetymeetings](https://www.sce.com/wildfiresafetymeetings)

Energized by Edison

- Stories and videos on SCE's wildfire mitigation efforts and PSPS – [edison.com/wildfire-safety](https://www.edison.com/wildfire-safety)

VIDEO: INSTALLING COVERED CONDUCTOR AERIALLY

