

# WILDFIRE PREVENTION TECHNOLOGIES



## Situational Awareness Capabilities

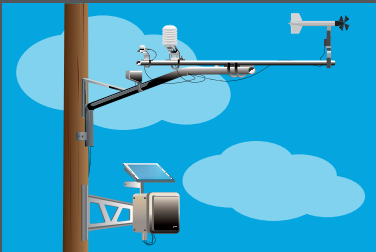
Is part of SCE's Emergency Operations Center and is open around the clock during severe weather events. It is staffed with highly experienced meteorologists responsible for operating and analyzing high-tech weather forecasting software. The data is used to monitor severe weather events across our 50,000-square-mile service area. Our mapping specialists work closely with our meteorologists to determine how our infrastructure will be impacted.

### Key Features:

- 24/7 wildfire monitoring to keep the public safe
- Precisely pinpoint fire conditions across service area

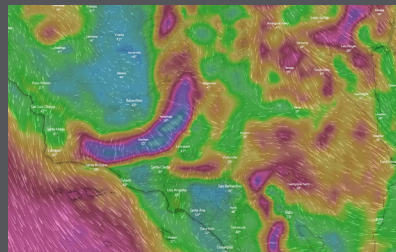
THESE HIGHLY ADVANCED TECHNOLOGIES ARE MONITORED AT THE SITUATIONAL AWARENESS CENTER DURING AN EXTREME WEATHER EVENT:

### Weather Stations



- Installed in high fire risk areas and have various sensors to provide real-time weather data.
- The public has access to wind speed, humidity, and temperature data that is updated every few minutes.
- Up to 850 will be installed across SCE's service area by the end of 2020.

### State-of-the-Art Weather Modeling Computer Software

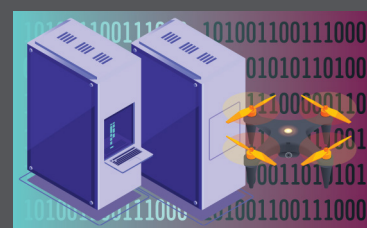


- Predicts high fire risk conditions down to less than two miles.
- Identifies extreme weather conditions four to seven days prior to an actual event.
- Fire simulation modeling determines likelihood of large wildfire igniting in service area.

### Wildfire-Monitoring Cameras



- Allow fire agencies to observe potential fire activity in high fire risk areas 24 hours a day.
- The public has access to the cameras on UC San Diego and University of Nevada, Reno's wildfire camera network.
- Up to 160 cameras installed by 2020; approximately 90 percent coverage in high fire risk areas.



### Cutting Edge Technology Applications

- Using artificial intelligence, machine learning, and predictive modeling with real-time data to identify both downed wires - enabling a quicker response - and early warning signs of potential equipment failure.
- Developing the capability to use aerial drone technology to expedite patrolling of utility lines following an extended outage to more quickly and safely restore power to customers.