



SOUTHERN CALIFORNIA
EDISON®

OUR COMMITMENT TO CALIFORNIA
Keeping our communities safe from wildfires

CALIFORNIA'S WORSENING WILDFIRES

Ten of the most destructive wildfires have happened since 2015.

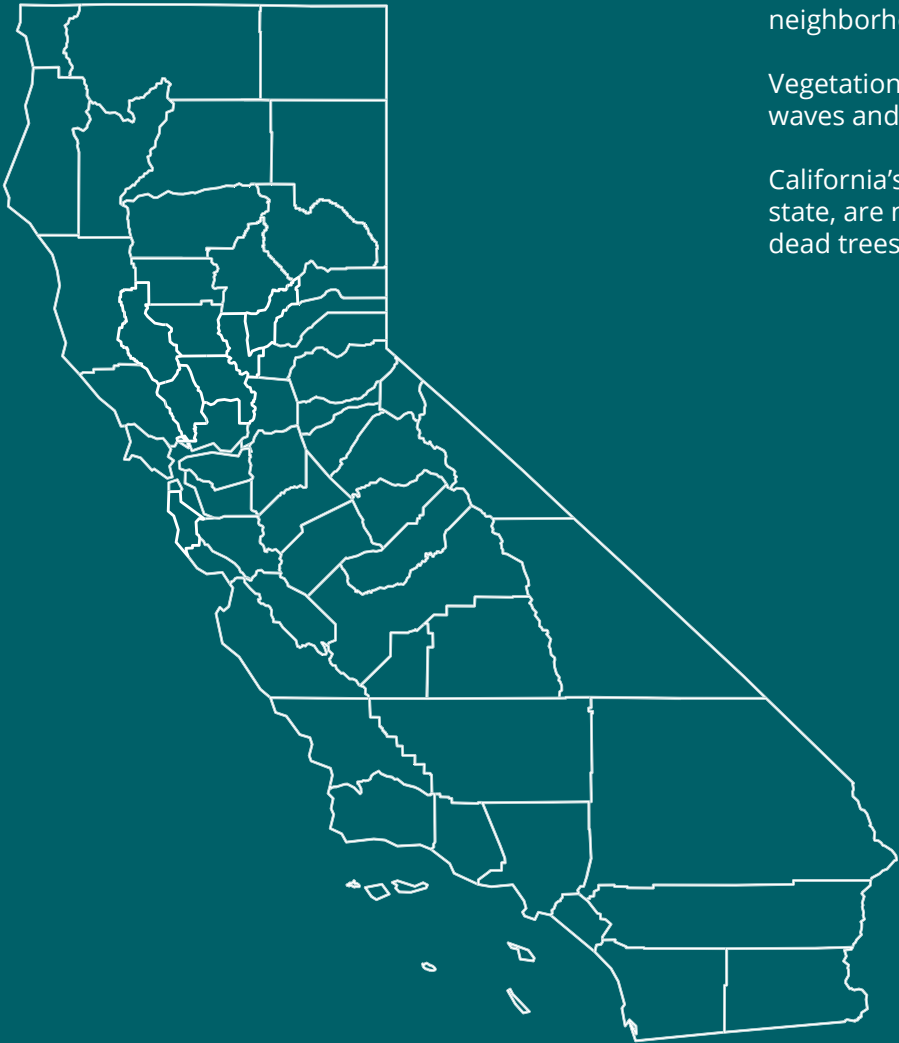
When 2018 became the worst fire year on record, we accepted a new reality:

A year-round fire season.

A CHANGING CLIMATE

Climate change is increasing the severity and duration of heat waves and other extreme weather events.

Hotter and drier seasons mean that big fires in December, once almost unheard of, are now common.



AN EPIDEMIC OF DEAD TREES

Hazardous fuel is building up in our neighborhoods and wilderness areas.

Vegetation is drying out during summer heat waves and increasingly prolonged droughts.

California's forests, which cover a third of the state, are now choked with some 150 million dead trees.

FIRE-PRONE FORESTS

Forest floors are deep in flammable groundcover left by fire suppression efforts.

The U.S. Forest Service's decades-old policy of putting out every fire quickly, has packed the federal land with fuel to burn. And its budget falls short of the cost of needed work to reduce that fuel.

.....
A HOTTER, DRIER CALIFORNIA. A YEAR-ROUND FIRE SEASON. A VICIOUS CYCLE OF INCREASED CLIMATE CHANGE EMISSIONS.



OUR SERVICE AREA

50,000 square miles

118,000 miles of distribution and transmission lines

1.4 million poles

5 million customer accounts

15 million residents in our service area

**MORE THAN A QUARTER OF OUR
SERVICE AREA IS LOCATED IN
HIGH FIRE RISK AREAS.**

CALIFORNIA'S CLEAN ENERGY FUTURE

We're responding to the greatest societal challenge of our time — climate change and its impacts, including wildfires.

We're creating a future where carbon-free resources power the economy.

Executing on our long-term vision cannot happen without adapting our business, and helping our communities adapt, to the impacts of climate change.

Last year in California, almost 2 million acres burned and close to 100 lives were tragically lost due to catastrophic wildfires exacerbated by climate change. Today, we are doubling down on our efforts to prevent and respond to wildfires.

A COMPREHENSIVE PLAN OF ACTION

to prevent, combat and respond



Bolstering situational awareness capabilities



Enhancing operational practices



Hardening the electric grid

Our 2019 Wildfire Mitigation Plan addresses the increasing climate change-driven threat of wildfires.

The plan includes specific metrics that provide transparency to the public and other stakeholders and will enable the California Public Utilities Commission to evaluate our performance.

We will further harden infrastructure, bolster situational awareness capabilities, enhance operational practices and harness the power of data and technology.

GOING FAR BEYOND TRADITIONAL UTILITY PRACTICES.

INCORPORATING ADVANCED MITIGATION MEASURES DEPLOYED IN HIGH FIRE RISK REGIONS AROUND THE WORLD.



HIGH-TECH CAMERAS

Monitoring potential wildfires in real time.

The cameras can pan, tilt, zoom and perform 360-degree sweeps approximately every minute with 12 high-definition frames per sweep.

- OUR FIRE MANAGEMENT TEAM
- AND PUBLIC AGENCIES CAN
- ACCESS THE CAMERAS AROUND
- THE CLOCK TO MONITOR
- WILDFIRE ACTIVITY.



WEATHER STATIONS

Technology that provides real-time weather forecasting in high fire risk areas.

Installed on utility poles, these stations have various sensors that provide weather data, including wind speed and wind gust, temperature, humidity and solar data readouts every 10 minutes.

FIRE SCIENCE

Our Live Fuel Moisture program analyzes moisture from wet and dry brush to accurately make a wildfire prediction.

The data collected plays a critical role in determining how receptive the brush is to starting a fire.

USING DATA AND ALGORITHMS
TO HELP FIGHT CALIFORNIA'S
WILDFIRES.

ADVANCED WEATHER MODELING

24/7 monitoring that predicts high
fire risk conditions down to less
than 2 miles.

.....
WE'RE ABLE TO IDENTIFY EXTREME WEATHER
CONDITIONS 4 TO 7 DAYS PRIOR TO AN ACTUAL EVENT.



INSPECTIONS

Our crews conduct ground-based inspections of 400,000-plus distribution and transmission structures in high fire risk areas.

We deploy helicopters and drones equipped with infrared, ultraviolet, laser and high-definition image scanning to perform aerial inspections of our facilities in high fire risk areas.

VEGETATION MANAGEMENT

We inspect about 900,000 trees across our service area every year to determine if they could pose a hazard by making contact with our power lines.

WE CONTINUE TO REMOVE DEAD, DYING, DISEASED TREES IN HIGH RISK AREAS.

- In high fire risk areas, a minimum 12-foot clearance is created between trees and our power lines to prevent vegetation from coming into contact with electrical equipment.
- Trees up to 200 feet from wires are removed if they demonstrate a high risk of falling into the lines or have vegetation, like palm fronds, that high winds could carry long distances into power equipment.

PUBLIC SAFETY POWER SHUTOFF

We're de-energizing power lines during elevated fire conditions to prevent ignitions.

Public Safety Power Shutoff is an operational practice in which the company pre-emptively turns off power during high fire risk weather conditions to enhance public safety.



INSULATED WIRES

Insulated wires help reduce wildfire risk. Known as "covered conductor," we're replacing bare wire with insulated wire.

If foreign debris such as tree branches were to fall into the new wires, the insulation around it will help prevent any potential sparks. If the covered wire were to fall to the ground, the insulation would also prevent sparks from developing in the brush.



PROTECTIVE DEVICES

CURRENT LIMITING FUSES

We're installing 15,700 of these devices, which interrupt current more quickly and avoid the potential creation of their own heat source during fuse operation when compared to traditional, industry standard fuses.

AUTOMATIC RECLOSERS

During elevated fire weather (low humidity and high wind), we use these remote-controlled switches to stop affected circuits from automatically re-energizing so SCE crews can physically inspect the lines before they are re-energized.

INCIDENT COMMAND SYSTEM

More than 500 qualified response team members are available for on-call duty rotations 24/7.

Our FEMA-certified personnel must pass the same tests as public sector emergency response personnel. Everybody is required to requalify annually by participating in at least one exercise or by serving on an activated team during an actual incident.

PARTNERING WITH LOCAL AND STATE AGENCIES

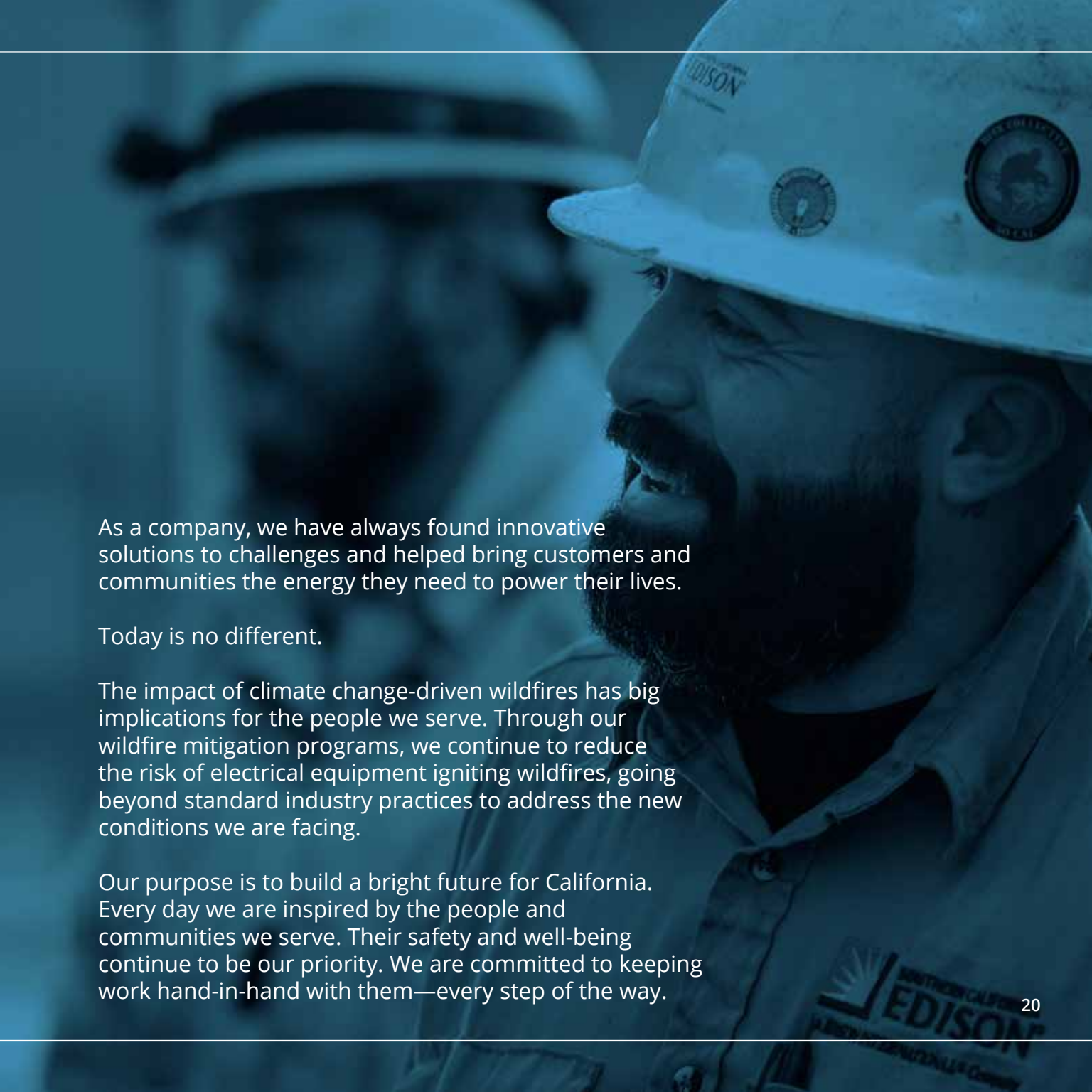
We coordinate with the Governor's Office of Emergency Services and other emergency response efforts. Since 1999, we've continued vegetation inspections with fire agencies during the yearly Operation Santa Ana program.

WE'RE PROVIDING
SUPPORT FOR THE LEASE
OF A HELITANKER AND
SPOTTER/WATER TARGETING
HELICOPTER.





WE'RE HERE.
EVERY STEP OF THE WAY.



As a company, we have always found innovative solutions to challenges and helped bring customers and communities the energy they need to power their lives.

Today is no different.

The impact of climate change-driven wildfires has big implications for the people we serve. Through our wildfire mitigation programs, we continue to reduce the risk of electrical equipment igniting wildfires, going beyond standard industry practices to address the new conditions we are facing.

Our purpose is to build a bright future for California. Every day we are inspired by the people and communities we serve. Their safety and well-being continue to be our priority. We are committed to keeping work hand-in-hand with them—every step of the way.

