

## Infrastructure Hardening

Infrastructure hardening is an ongoing system infrastructure improvement and replacement process aimed at lowering the potential of fires sparked by electric infrastructure. These improvements will require several years to implement and will include some of the following projects:

### Covered Conductors

Covered conductors are wires surrounded by layers of insulated coverings that protect from contact while energized. Although bare wires have traditionally been used in California as a reliable, cost-effective solution, Liberty will continue replacing bare conductors with covered conductors in high fire risk areas to reduce wildfire risk.

### Pole Load Testing and Replacement

Failing poles may pose safety, reliability, and fire risks. To prevent pole failure, Liberty is accelerating and continuing testing and replacement of poles systemwide.

### Fuse Replacement

Conventional fuses, when operated, expel hot particles and gases, which may start fires. In contrast, current-limiting fuses expel no materials and provide a higher level of reliability. In order to mitigate the risk of wildfire, Liberty proposes to replace conventional fuses with current-limiting fuses on much of its system over the coming years.

### Replacement of Brockway Substation

The Brockway Substation in Kings Beach is a 60-year-old facility that was constructed with wooden box structures and obsolete oil-circuit breakers. This facility has been decommissioned. The new Kings Beach substation has been completed and has replaced the Brockway Substation.

### Undergrounding

Liberty continues to underground sections of the power grid.



# Wildfire Mitigation Plan

## What You Need to Know

Liberty takes precautionary steps to protect the community from wildfires by implementing a robust wildfire mitigation plan. To stay informed about power shutoffs, vegetation management, and system upgrades, make sure Liberty has your up-to-date personal contact information. Update your contact information at



1-800-782-2506



LibertyUtilities.com

Liberty is taking aggressive steps to mitigate the risk of wildfires in the communities we serve.

The Lake Tahoe Basin and surrounding forested areas in Liberty's service territory have significant fire risk. Drought and bark beetle infestation have devastated portions of our local forest. These dying trees may fuel wildfires.

Liberty has implemented a wildfire mitigation plan that addresses local factors that may put our region at risk.

Energy and water for life.

The spark of a wildfire can come from any number of sources. It is impossible to predict when or where a wildfire may start, but certain factors such as an evolving climate, dry forests and, high wind conditions have most of California on high alert.

Here are some measures that Liberty is taking to mitigate wildfire threat:

# Vegetation Management

## Inspection

Liberty's crews are deployed year-round throughout the region to inspect trees and vegetation in the vicinity of power lines. Trees or branches that have grown too close to power lines will be pruned or removed to mitigate wildfire risk in compliance with state laws.

The majority of the tree and vegetation management work is executed from May through October, but work continues through the winter months and can include the daunting task of removing vegetation debris after snow storms.

## Removal and Notification

When trees are identified for pruning, crews are instructed to reduce branches and vegetation back to a minimum distance from the high voltage power lines to provide adequate clearance. Crews will also identify trees for removal that are dead, diseased, or structurally unsound if they have the potential to fall on power lines.

When trees need to be removed, Liberty and its contractors will notify the property owner prior to starting work.

Customers should never attempt to conduct tree pruning activities themselves because of the risk of contacting power lines during the process.

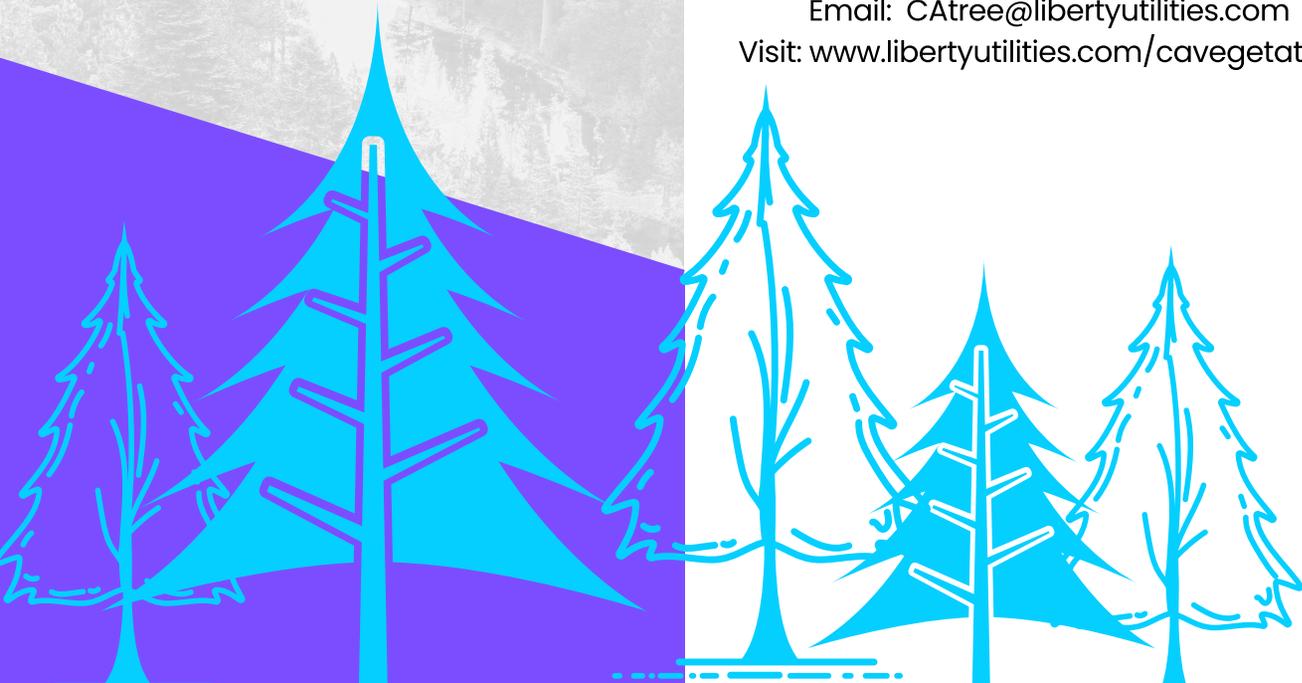
Liberty offers complimentary tree-pruning services to customers who believe a tree or branch may be hazardous to nearby electric infrastructure. If you spot a tree or branch you feel may be a hazard, submit a tree inspection request at [LibertyUtilities.com](http://LibertyUtilities.com) or contact Liberty via any of the methods below.



Call: 530-546-1787

Email: [CAtree@libertyutilities.com](mailto:CAtree@libertyutilities.com)

Visit: [www.libertyutilities.com/cavegetation/](http://www.libertyutilities.com/cavegetation/)



# Public Safety Power Shutoff

A Public Safety Power Shutoff (PSPS) is the process by which an electric utility may proactively turn off power in certain areas when weather conditions create a high wildfire risk. The implementation of a PSPS, which is becoming more and more frequent, is supported by the State of California.

## Weather and Environmental Conditions

Liberty has deployed weather stations throughout the local service area and collaborates with fire weather experts, the National Weather Service, and local fire officials to monitor local weather conditions.

### PUBLIC SAFETY POWER SHUTOFF CRITERIA

While no single factor will drive a Public Safety Power Shutoff, some factors include:

- ✔ RED FLAG WARNING
- ✔ LOW HUMIDITY
- ✔ DRY FUEL CONDITIONS
- ✔ FORECAST SUSTAINED WINDS & GUSTS
- ✔ HEAT/TEMPERATURE

## Notification

In the event that a PSPS is a possibility, Liberty will alert customers, local government, and safety agencies of the potential need to shut off power and keep the community apprised as weather conditions evolve. Customers are encouraged to follow Liberty on Twitter (@LibertyUtil\_CA) and Facebook (@LibertyUtilitiesLT) to receive timely updates on power outages, planned or unplanned.