



NV Energy: Power Safe NV

Wildfire Risk



Increase in Wildfires:

- Over the past 20 years frequency and scope of wildfires have grown significantly. There are more fires causing more damage.

Factors:

- Drier and hotter weather conditions.
- Prolonged droughts.
- High wind events.
- Forest management challenges.
- Population growth into the high-risk wildland urban interface (WUI).

Risk in Nevada:

- From 2000 to 2019, wildfires in Nevada burned 9.5 million acres, more than twice the 4.5 million acres burned between 1980 and 1999.

Electric Utilities Risk Face an Imminent Threat

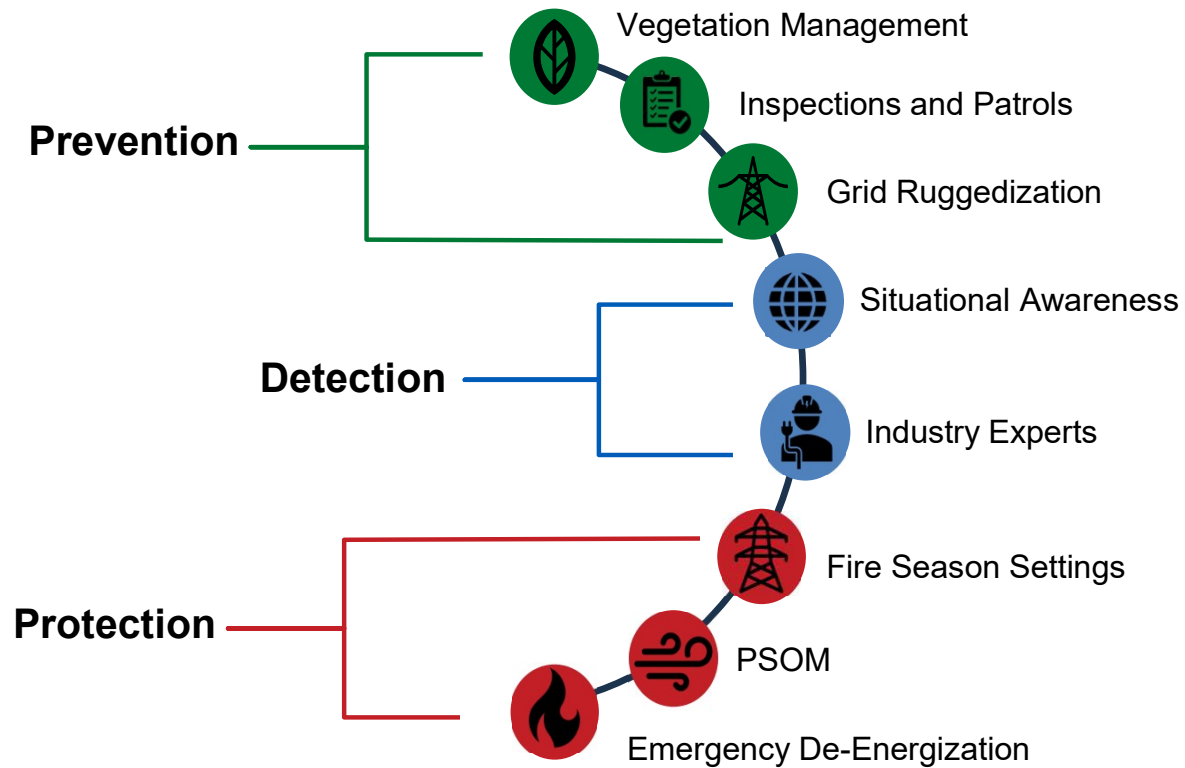


Natural Disaster Protection Program



- Nevada Senate Bill 329 (2019) requires NV Energy to address wildfires and natural disasters through the Natural Disaster Protection Plan (NDPP).

Aspects of the NDPP



Prevention



System Hardening

- Rebuilding overhead lines with covered conductor lines
- Replacing conventional fuses with non-expulsion fuses
- Selective Undergrounding
- Replacing traditional poles with a ductile iron alternative or wrapping in a fire mesh material.

Inspections and Patrols

- Perform annual patrols and detailed inspections every year.
- 52,522 inspections and patrols during 2024.



Prevention



Vegetation Management

- Vegetation management is essential to a safe & reliable electrical grid.
- Tree pruning and ground fuel management create a safe zone for electrical infrastructure.
- Resiliency Corridors established with collaborative treatments, grant matching, and fuel mapping
- Since 2020, the team has pruned or removed approximately 125,000 trees in high fire risk areas around Northern Nevada.

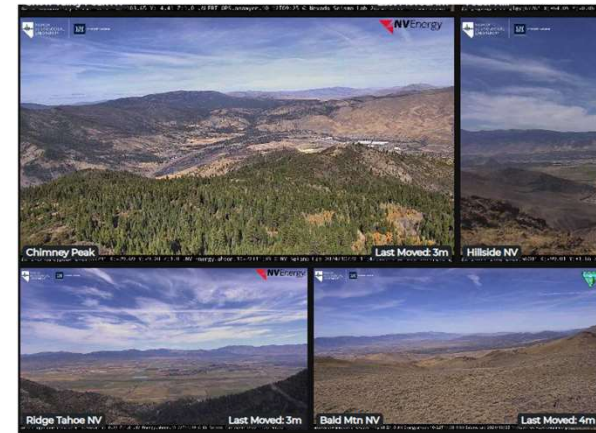


Detection



Situational Awareness

- NV Energy has access to a growing network of weather stations and wildfire cameras
- 24/7 A.I. monitoring and alerts for fire starts on fire cameras



Industry Experts

- Two full-time meteorologists with expertise in fire weather and behavior, dedicated to continuous weather forecasting.
- Three full-time fire management officers with extensive experience in fire mitigation and control activities.



New wildfire camera installed in Minden

Slide 6

AH0

I don't know if I would call it vast 😊 maybe a "growing" network

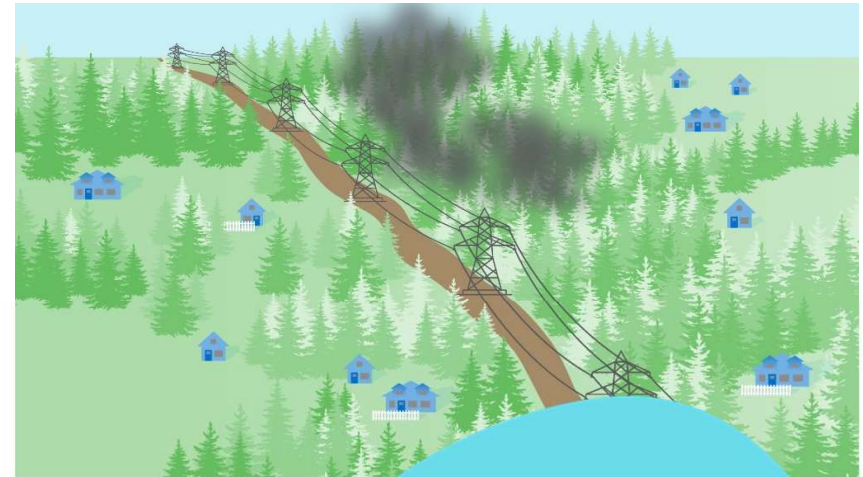
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Protection



Proactive de-energization is the best form of protection electric utilities have against causing or worsening wildfires.

- **Fire Season Settings**
- **Public Safety Outage Management**
- **Emergency De-Energization**



Fire Season Settings



Fire Season Settings

- Use more sensitive equipment settings during high fire risk to reduce ignitions.
- Lines de-energize in a fraction of a second if a fault is detected (e.g., debris, vegetation, animals).
- Must patrol the line prior to re-energization



Fire Season Settings



ENABLED

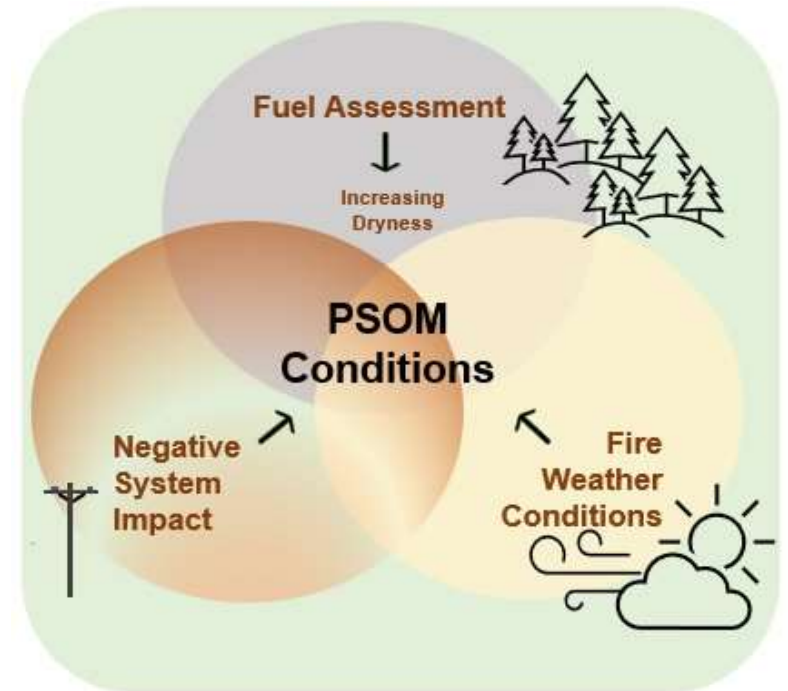
DISABLED

PSOM



Public Safety Outage Management (PSOM)

- NV Energy will de-energize power lines during high wildfire risk periods.
- PSOM decisions are based on extreme weather and area conditions (high winds, low humidity, dry fuels).
- When debris contacts energized equipment it can create sparks, leading to fires that spread quickly in high winds.



2020	2021	2022	2023	2024
1 PSOM	2 PSOM	5 PSOM	1 PSOM	6 PSOM

Emergency De-Energization



- Active wildfires can damage electrical equipment, causing sparks and potential secondary fires, creating additional hazard for responders and public
- NV Energy is dedicated to protecting first responders and communities through emergency de-energizations, mitigating our equipment's impact on fires



Emergency De-Energization

NV Energy will de-energize equipment when an **unpredictable** and **uncontrollable** wildfire gets too close to NV Energy equipment.

What you can do



Sign-up for alerts on MyAccount on our website!

- The Green Cross program is designed to aid customers who rely on electrically operated medical equipment.
- Customers who qualify for Green Cross will have special status listed on their account that will allow NV Energy to prioritize communication and care
 - Advanced notification of scheduled outages
 - Prioritized restoration after an unplanned outage
 - Pending outage scope, accommodations during an unplanned outage
- Customers can request an application packet by calling NV Energy customer service.



Questions? Contact Us at...



This is what **we do**
 **NV**Energy®

Email: ndpp@nvenergy.com

Phone: (833) 818-2232



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