



# NV Energy Natural Disaster Protection

November 13, 2024

# Power Safe NV



- NV Energy serves 90% of the state, with a service territory that covers nearly 46,000 square miles.
- We serve more than 1.5 million customers and a typical state tourist population of more than 54 million annually



- Power Safe NV is a team at NV Energy dedicated to reducing disaster risks. Power Safe has a holistic approach to wildfire mitigation that includes prevention, detection and protection.

# System Hardening



- **Copper Wire Removal**
  - 7.3 miles rebuilt with covered conductor since 2022.
- **Line Rebuilds**
  - 6.1 miles rebuilt with covered conductor since 2022.
  - 3.9 miles proposed for rebuild in 2025.
- **Spacer Wire Pilot Projects**
  - 2 projects completed in 2022 (Heavenly and Kahle Park). 0.65 miles converted to a covered conductor.
  - No future spacer wire pilot programs proposed at this time.
- **Single Pole Replacement Projects**
  - 573 poles replaced since inception.
  - 95 poles planned for 2025.



# System Hardening (Cont.)



- **Expulsion Fuse Replacement**
  - 3,600 fuses replaced with non-expulsion alternative since inception.
- **Tree Attachments**
  - 264 tree attachments removed since 2020
  - 80 removals proposed for 2025.
- **Inspections and Patrols**
  - Completed 2 full detailed inspections cycles
  - Patrols completed annually.



# Undergrounding



- **Glenbrook Undergrounding**

- Cost Sharing Partnership with Glenbrook Underground, Inc.
- Civil Construction commenced Sept. 2023 on construction phase 1.
- Roughly 1.5 miles of undergrounding completed to date.
- 27 Tree attachments removed, with 18 services converted to underground.
- 3 total phases
  - Roughly 5 miles of overhead lines being addressed.
  - Construction Phase 1 & 2 under contract and in progress.
  - Construction Phase 3 is in final design and easement procurement.



# Undergrounding



- **Zephyr Cove Resort UG Cost Sharing**
  - NV Energy is working in coordination with United States Forest Service LTBMU office, to pursue a joint effort to underground a portion of NVE facilities within the Zephyr Cove Resort area.
- **TTD Bike Path**
  - NV Energy is working in coordination with United States Forest Service LTBMU office, to pursue a joint effort to underground a portion of NVE facilities within the Zephyr Cove Resort area.



# Vegetation Management



## Vegetation Management

### Aerial Veg Mgmt.- Tier 3 2024

- 8 circuits completed
- 2,050 trees completed (994 trims and 1,056 removals)
- 8 treatment units (Completed Tree felling + Heli Ops)- Minimal Ground operations needed in 2025 to fully complete these.
- Completed the Aerial Veg-Annual Tahoe Hazard Tree Inspection on 16 Circuits

### Ground Fuels Mgmt. - All Tiers 2024

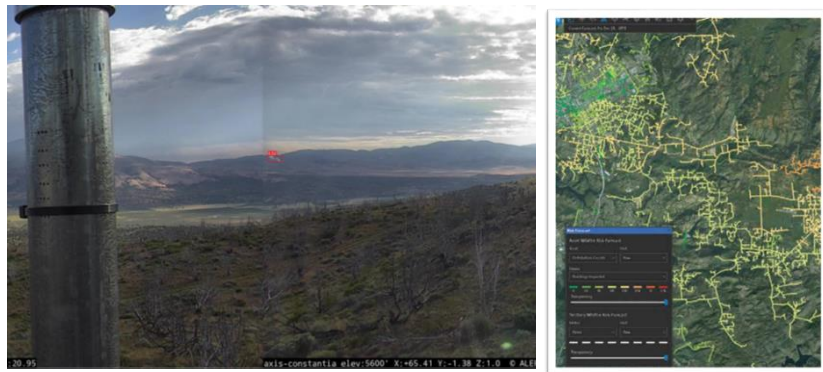
- 4,567 poles grubbed and 566 acres have been treated in 2024



# Situational Awareness & Emergency Response



- Situational Awareness
  - Two full-time meteorologists with backgrounds in fire weather and behavior
  - 9 new wildfire cameras have been added to our network (5 adopted, 4 new) in 2024.
- Emergency Response
  - NDPP fire mitigation officers responded to 172 fire incidents year-to-date, an increase of over 30 total fire incidents this period last year and total year.
  - Emergency de-energization was activated seven times this year
  - Over 79,000 people interrupted by emergency de-energization
    - Approximately 57,000 NV Energy customers
    - Approximately 22,000 CA utility customers.







 **NV**Energy