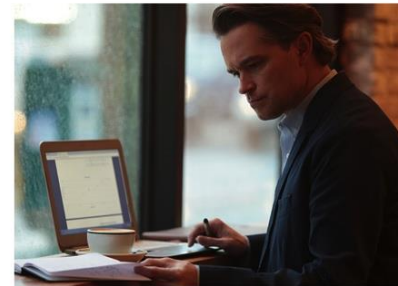


# Pacific Power System Resiliency

*May 11, 2021*



Allen Berreth – Vice President, T&D Operations

# Organizational Structure

- Emergency Management
- Meteorology Department
- Available Resources
- Continuous Learning



# Post-February Storm Evaluation and Learning

- Continued focus on Vegetation Management
- Overlapping benefits of Wildfire Mitigation Asset Hardening programs like covered conductor
- Transmission investments
- Distribution automation projects that provide alternate sources when the primary source is not available
- System design standards evaluation (pole loading, span lengths, etc.)





# Resiliency Initiatives

## Wildfire Mitigation

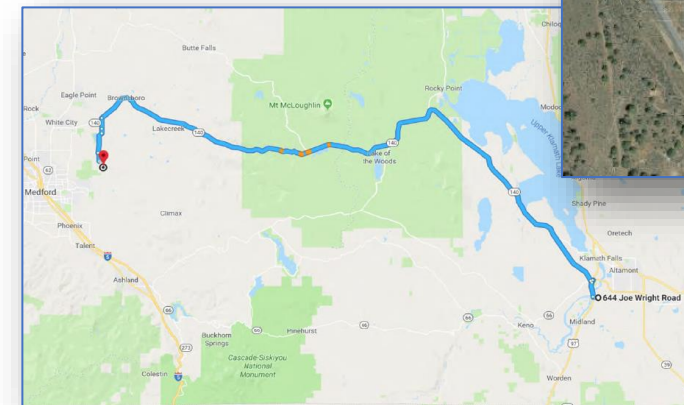
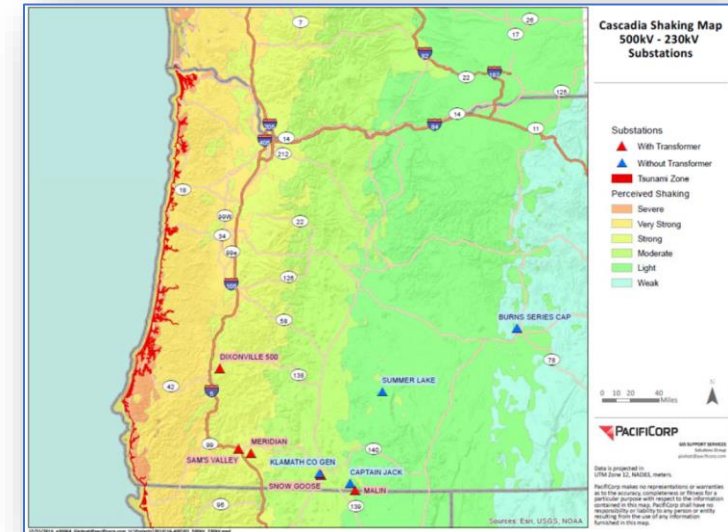
- Situation Awareness: weather station network
- Continuing risk modeling across service territory
- System hardening: Line rebuilds to covered conductor in priority areas

## Main Grid Resilience

- Analysis of major substation equipment and strategic spare availability

## Major Event Analysis

- Example: Cascadia Subduction Zone Earthquake response
- Transfer of system control to alternate site



Thank you