The Energy to Thrive™

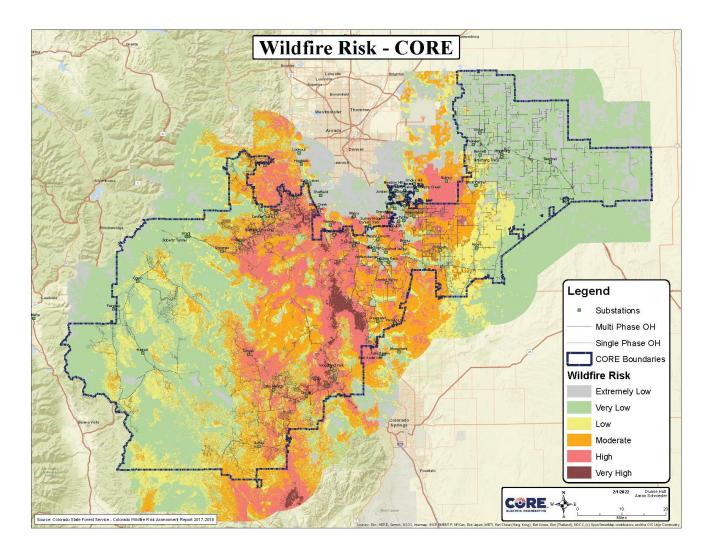
Wildfire Mitigation Program P

Perry Park Metropolitan District



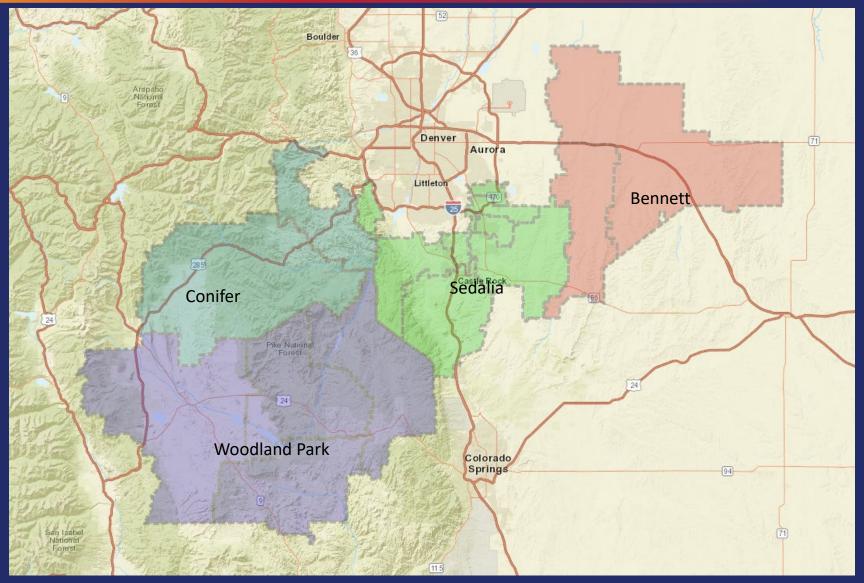
Agenda

- Overview of CORE Electric Cooperative
- Systemwide Fire Mitigation Program
- Perry Park Distribution
 System Plans
- Questions





CORE Service Territory





CORE Electric Cooperative Overview

- Started in Bailey Colorado in 1938
- Service Territory covers 5,000 square miles
- Approximately 40% of territory is National Forest
- Currently serve nearly 180,000 meters
- Own and operate 10,193 miles of line, with more the 6,700 miles of overhead line



Wildfire Risks

- Environmental Risk Drivers
 - Vegetation (extent, type, health)
 - Terrain (steep slopes, soil type, access)
 - Weather/climate (drought, high winds, lightning)
 - Population Density (WUI)
- Systemic Risk Drivers
 - Contact from objects (trees, animals, vehicles, etc)
 - Equipment failure/contamination
 - Equipment contact (wire-to-wire, construction, maintenance)
- Business Risk from Wildfire
 - Loss of service, internet, communications
 - De-energization and impedance to restoration



Operational Practices

- Situational Awareness
 - DTN Weather Services
 - Fireguard
 - Pano AI, FTS360
 - CSFS Wildfire Risk Assessment
- Alternate Relay Settings
 - Activated when DTN Level 3 or 4 overlap with Red Flag or High Wind warnings
- Operational Procedures
 - Work on energized lines limited during High Wind or Red Flag Warnings
 - Increased awareness for potential ignitions

Inspection Programs

- Overhead Distribution Line Inspections
 - 4-year cycle, patrolled by both foot and drones
 - Defects are ranked by severity, prioritized for repair and standardization
- Transmission Line Inspections
 - Every year on 44kV, every three on 115kV
 - Performed by helicopter and drone, LiDAR every other inspection
- Wood Pole Inspections
 - Poles inspected on a 15-year cycle, above and below ground
 - Poles are passed or rejected, restored or replaced



Perry Park Pole Inspections





Vegetation Management Plan

- Task Cycle
 - 6 years in Sedalia, Conifer, Woodland Park; 4 years in Bennett
 - Created from a reliability-based perspective, trim proactively based on species
 - Remove dead or dying trees
 - Clear 10-feet around poles with equipment that could spark/cause ignitions
- Mid-Cycle inspections
 - Take place in the 4th year from trimming, looking for hazardous conditions that should not be left another two years (dead or damaged trees, encroachment)
- Leveraging Technology
 - GeoDigital for work planning and auditing
 - Overstory scans and analysis (hazard tree ID, encroachment risk scores)

System Hardening

- Construction Standards
 - Poles designed to withstand high winds and snow loads
 - 10-foot cross-arms improve spacing between conductors
 - Replacing copper-weld and open-wire secondary
 - Strategic undergrounding in high-risk areas
 - Cover-up of energized parts
- System Protection
 - Replacing OCR's with Trip-Savers and Versa Tech protection devices
 - Fire settings at the substation level
 - Continuous evaluation of relay settings and new technology



Continual Improvement

- Conducting Event Analysis on every ignition
 - Determining root causes
 - Identifying patterns
 - Recommending mitigations and taking action
- Piloting new technology for better fault detection and operation
- Investing in advanced Risk Forecasting software
- Developing a PSPS Program
- Learning from our peers and implementing best practices
- Working with Academia to drive research

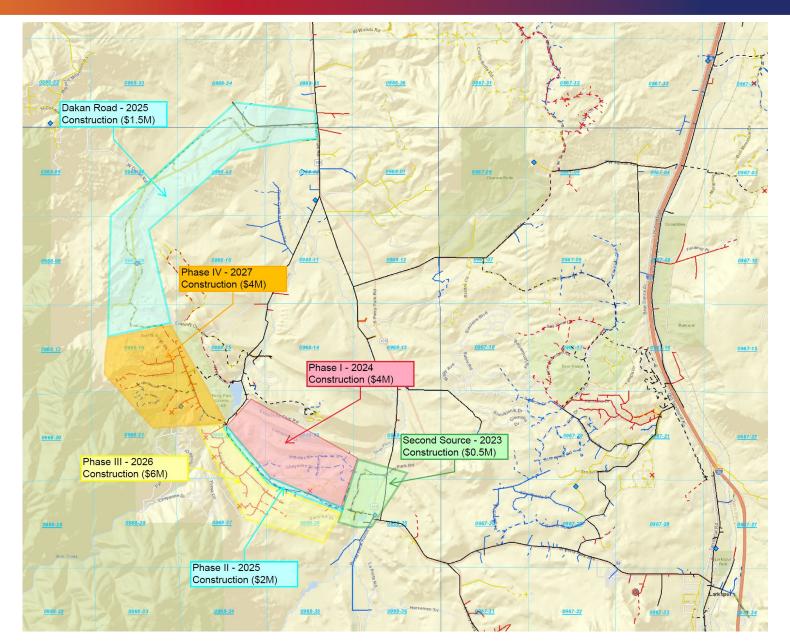


Perry Park System Rebuild Plan

- CORE is rebuilding most of the electric system in the Perry Park area to increase reliability and decrease fire risks.
- Phased Construction Plan for engineering and construction subject to budget and permitting.
- Start at the sources, add redundant sources and work toward the back of the area.
- Extensive rock excavation required.
- Equates to between 10% and 25% of our distribution construction annual budget through 2027



Perry Park System Rebuild Plan





Perry Park System Rebuild Plan

- Second Source Convert existing overhead, copper, single-phase line into three phase underground to provide additional source to water facilities and northeast part of Perry Park.
- Phase I North of Red Rock Rd. Rebuild failing cable and add tie to northwest.
 2024 Construction
- Dakan Road Underground single-phase line into the back side of Perry Park.
 Originally planned for 2024 construction, now 2025. Waiting on Fish & Wildlife consultation
- Phase II Red Rock Rd. Rebuild existing underground backbone. 2025
 Construction
- Phase III South of Red Rock Rd. Rebuild existing underground and overhead.
 2026 Construction
- Phase IV Rebuild west Perry Park overhead to underground. 2027 Construction



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Thank you. Questions?

