Item 3

Distribution Resilience Program

Elaine Veselka

Vice President, Electric System Engineering & Technical Services



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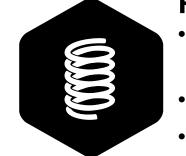
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Reliability and Resilience



Reliability

- Performing consistently well
- Performs intended function without failure over time and in specified conditions



Resilience

- Capacity to withstand or recover quickly from difficulties
- Toughness
- The ability to spring back into shape



Distribution Reliability

Performance of the distribution system as originally designed, built and operated for safety, power quality and infrastructure protection



Distribution Resilience

Reliability factors, plus incorporating self-healing and hardening techniques to withstand and recover more quickly from unplanned events



Austin Energy Distribution Resilience Program

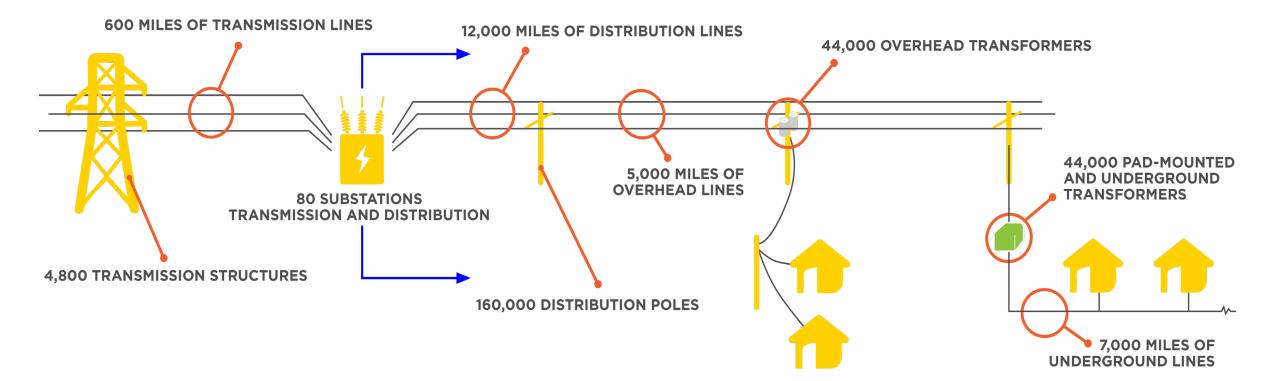
Reliability Resilience

Improve service reliability and minimize impacts from outage events through maintenance, upgrades and technology enhancements across the distribution system that delivers electricity to homes and businesses.





Austin Energy's Distribution System Overview



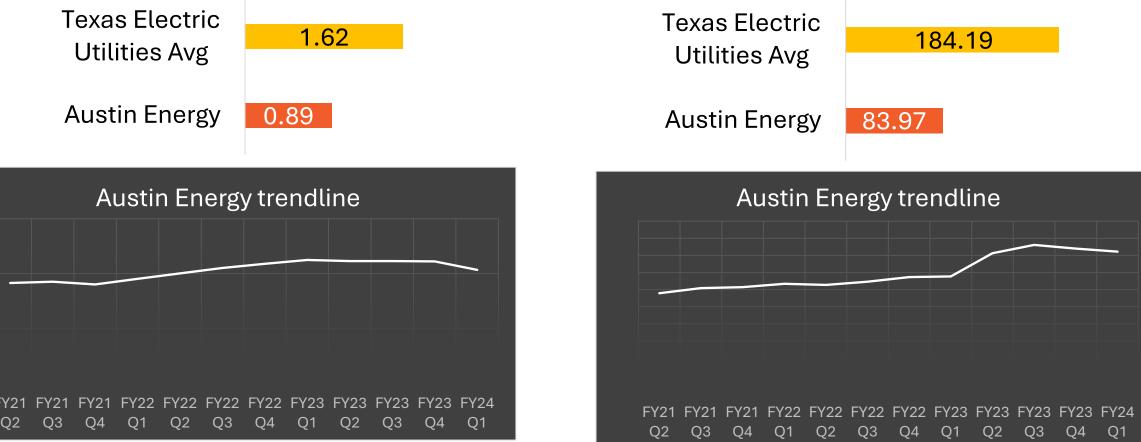


Reliability Indices – Fiscal Year 23

Average number of interruptions

a year per customer







Industry data comparisons exclude major event days.

Distribution Reliability

Infrastructure maintenance



Maintaining optimal system configuration

Design and construction to utility standards



Engineering coordination studies

Vegetation management

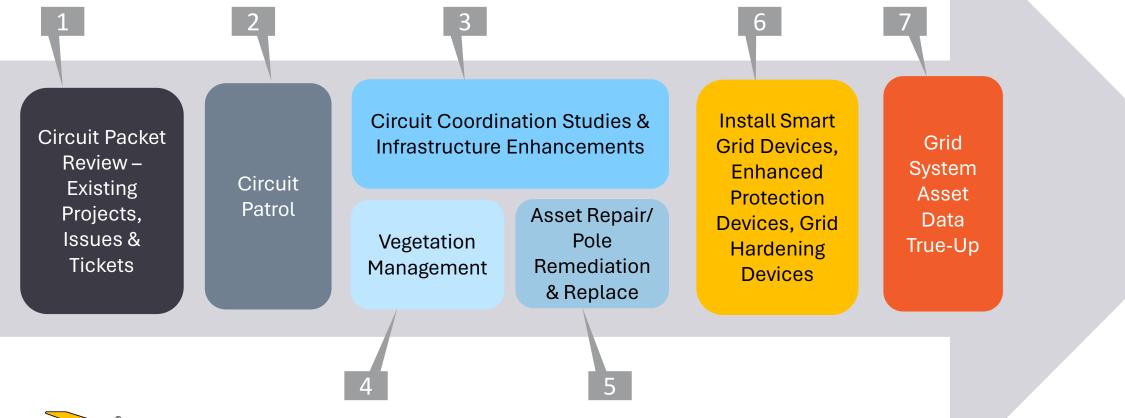


Manual operations to proactively prevent power disruptions



Circuit Hardening Program

An end-to-end Distribution Mitigation Program for long-term health and performance improvement





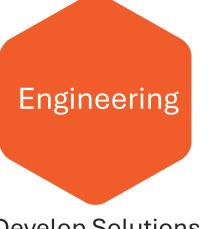
Tactical Infrastructure Enhancements

Distribution Reliability

Identify & Prioritize

Issues across system, considering

- Critical loads
- High impact maintenance tickets
- Frequency of outages / repeat outages
- Frequency of momentary outages



Develop Solutions

Re-design, reconfigure and identify improvements to mitigate identified issues Field Operations

Install & Implement Completes the necessary work to install or implement the solution



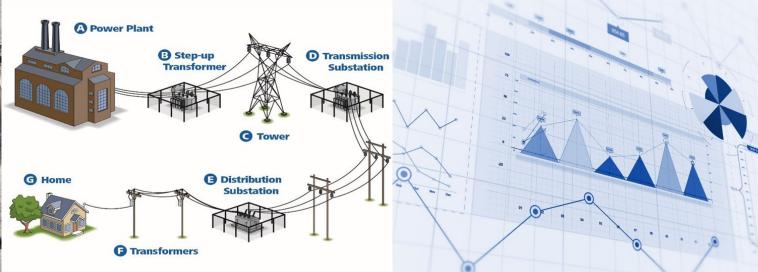
Austin Energy's Distribution Resilience Program





Additional Opportunities





Underground Feasibility & Overhead Hardening Study

- Partially covered by FEMA Building Resilient Infrastructure and Communities (BRIC) Grant
- Results expected end of 2024

GRIP Grant Application

- U.S. Dept. of Energy \$3.5B available in resilience grants
- Austin Energy actively pursuing grant to implement circuit rehabilitation and automation

Future Grants

Continuously exploring funding opportunities to improve reliability and resilience





QUESTIONS?

Customer Driven. Community Focused.SM



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