



AUSTIN ENERGY
ELECTRIC SYSTEM RESILIENCY PLAN





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EXECUTIVE SUMMARY

As climate threats become more severe, existing infrastructure ages and customer expectations evolve, Austin Energy must adapt how it safely and reliably delivers power to its community. This Electric System Resiliency Plan (ESRP) outlines how Austin Energy will build a stronger system that can withstand more, recover faster and grow to support new technologies and energy resources.

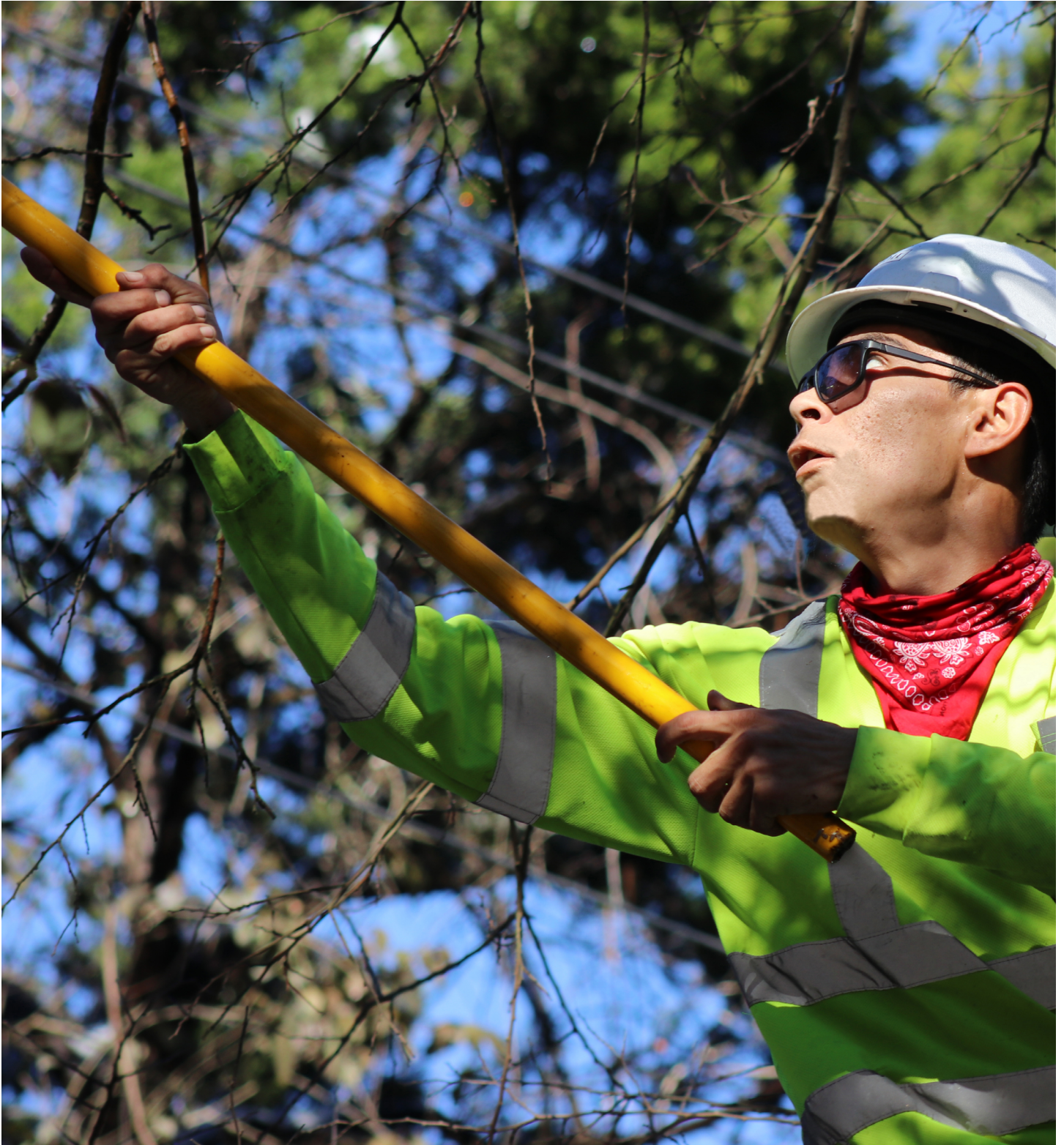
The ESRP is a 10-year plan that evaluates Austin Energy's reliability programs with insight from independent studies and extensive stakeholder feedback to speed up improvements, reduce risk and maximize value in system upgrades. Through this assessment, Austin Energy found the most resiliency benefits in the following initiatives:

- **Circuit Hardening** — Strategic upgrades to existing infrastructure with modern materials for fewer outages and better storm resilience.
- **Wildfire Mitigation** — Fire-resistant upgrades in high-risk areas for enhanced safety.
- **Vegetation Management** — Risk-based trimming that focuses resources to make the most impact for fewer vegetation outages and continued prioritization of wildfire mitigation.
- **Pole Inspection** — Drone and thermal scans of poles for early risk detection and fewer emergency repairs.
- **Sectionalization and Automation** — Expansion of grid monitoring and control systems as well as smart devices to segment the grid for faster fault detection and restoration.
- **Intelligent Systems** — Modernization of field sensor devices, such as advanced metering infrastructure (AMI) systems, for enhanced situational awareness and response.
- **Grid Analytics** — Real-time and predictive data to support better asset management and smarter investments.
- **Progress Dashboard** — Public-facing updates on resiliency work to demonstrate transparency, trust and accountability.

Focusing in these areas, Austin Energy is forecast to invest \$735 million in resilience initiatives through FY35. This work will give the community:

- **Fewer outages.**
- **Faster outage response and restoration.**
- **Reduced risk.**
- **Improvements where they are needed most.**
- **Safer electrical equipment and operations.**
- **Reduced outage severity.**
- **More insight into resiliency efforts.**

Austin Energy's resiliency efforts will go toward building a more reliable electric system for the community — delivering power, even when it's tough.



BACKGROUND AND SYSTEM OVERVIEW

Austin Energy is a municipally owned utility serving more than 570,000 customers across 437 square miles of Central Texas. Its mission is to safely deliver clean, affordable, reliable energy and excellent customer service. On the distribution side, Austin Energy manages and maintains 12,000 miles of distribution power line, 175,000 distribution poles and 90,000 distribution transformers. Its distribution system is 58% underground and 42% overhead.

In recent years, Austin Energy has faced increasing challenges from extreme weather, aging infrastructure and increased vehicle and housing electrification. Major storm events like ones experienced in 2021, 2023 and 2025 have caused widespread and prolonged outages. Austin’s unique geography, located on the edge of the Texas Hill Country, also comes with wildfire risk. A 2025 study by Cotality ranked the Austin area fifth nationally for wildfire exposure and rebuild costs. These conditions impacting Austin Energy highlight the need for a more resilient grid.

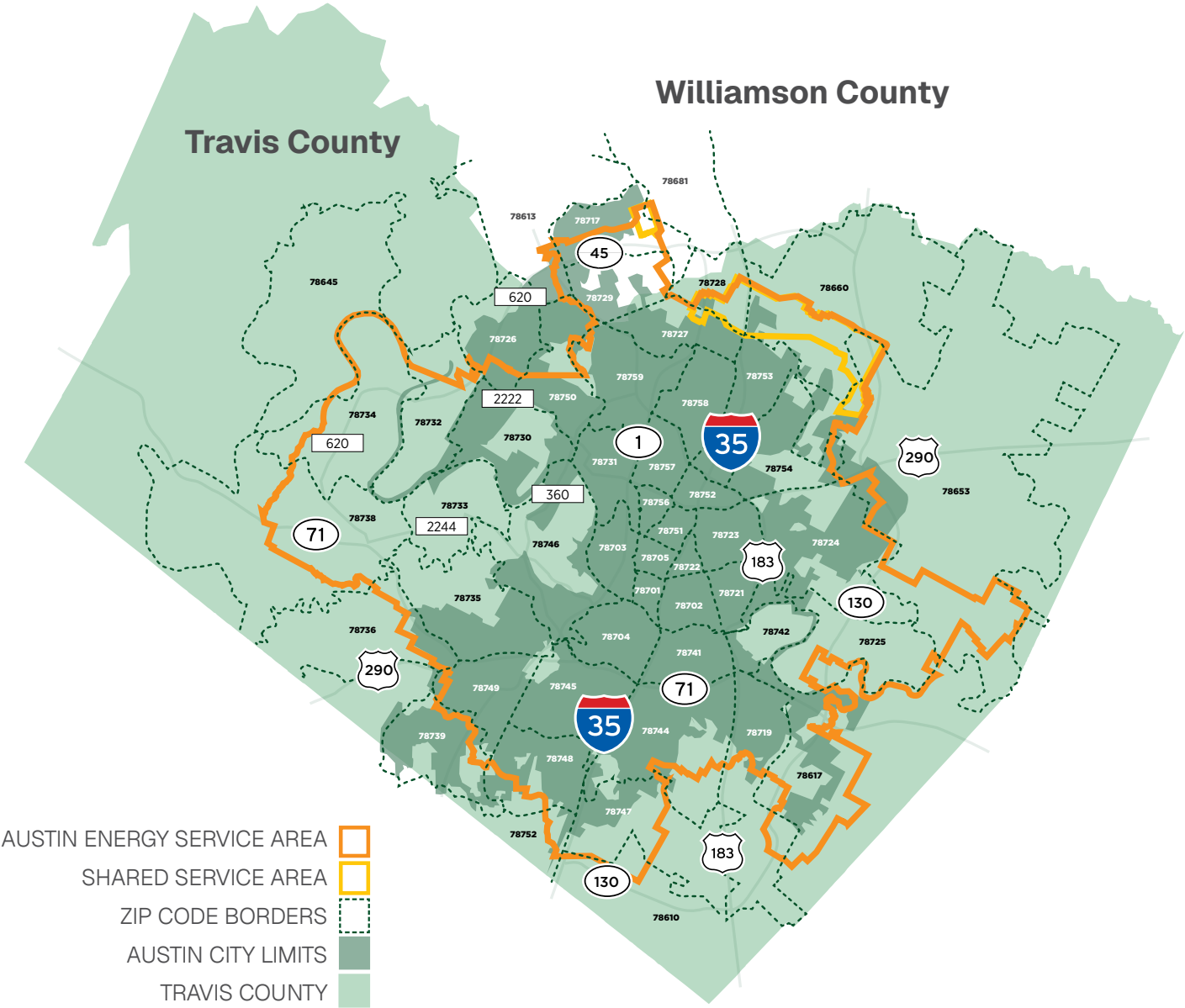
To face these growing challenges, Austin Energy has evaluated ways to intensify its grid hardening efforts. In 2024, the utility partnered with 1898 & Co. to conduct two major studies:

- **Underground Feasibility Study** — Assessed and evaluated the cost to bury the entire existing Austin Energy above-ground distribution system and found it to be cost-prohibitive (more than \$50 billion). The study identified limited areas where targeted undergrounding may be cost-effective.
- **Overhead Resiliency Study** — Assessed Austin Energy’s current system and recommended strategic deployment of automation, protections and modernization to reduce outage durations and improve performance.

These studies, combined with Austin Energy’s ongoing initiatives and feedback from our community, form the foundation of the Electric System Resiliency Plan. This will guide long-term investments to strengthen reliability by reducing outages, lowering risks and preparing for a more distributed, climate-resilient energy future.

Austin Energy Service Area

437 Square Miles



COMMUNITY FEEDBACK

Community feedback played a vital role in shaping this plan. Austin Energy gathered public opinion on the concepts used in the ESRP through in-person stakeholder engagement and a virtual open house which provided online resources and a survey made available to all customers.

Community feedback from the in-person session centered around the following themes:

Undergrounding and Infrastructure

- Recognition that burying existing equipment is significantly more expensive than installing underground lines during initial construction.
- Wildfire-prone areas should be prioritized for undergrounding.

Geographic Disparities

- Concerns about unequal outage impacts and infrastructure investment between East and West Austin.
- More participants in controlled outages and risk-based prioritization.

Technology and Innovation

- Strong interest in solar, battery backup and neighborhood-level energy storage.
- Safety concerns related to battery systems and emergency response.
- Support for piloting microgrids.

Communication and Transparency

- Requests for a public-facing progress tracker.
- Requests for clear timelines on vegetation management and system upgrades.

Wildfire Mitigation and Vegetation Management

- Emphasis on proactive wildfire mitigation, consistent tree trimming standards and equipment maintenance.

Austin Energy's virtual open house engaged an even broader set of the community, including more than 2,700 presentation views, 690 survey participants, 4,700 responses and 1,500 comments.

The survey highlighted the following five key planning priorities:

- Reliability — How consistently the system performs.
- Resilience — How quickly the system recovers after an outage.
- Environmental complexity — Challenges related to terrain, vegetation and weather.
- Time to implement — How quickly improvements can be made.
- Cost — Impact on customers and property owners.



When asked which two planning priorities are the most important, participants ranked Reliability the highest consideration at 80% while emphasizing the need for consistent, uninterrupted electrical services. Resiliency ranked the second highest at 53% because outages impact remote work, medical equipment and household functions. Cost rounded out the top three at 44%.

Further, 61% of survey respondents agreed that Austin Energy is moving in the right direction by focusing on strengthening overhead lines due to environmental challenges, cost impacts and proven effectiveness. Also, 74% of survey respondents supported Austin Energy's shift from complete end-to-end circuit upgrades to a more strategic, targeted improvement approach. In both cases approximately 20% of participants selected "I'm not sure," highlighting the importance of ongoing communication and education, especially through the progress tracker.

Participant comments suggested several other factors that Austin Energy should consider in developing the plan including:

- Working with large power consumers to pay for grid upgrades or curtail power during energy emergencies.
- Prioritizing power restoration to critical services, like hospitals and fire stations, before moving to commercial and residential areas.
- Supporting vulnerable residents during widespread outages.
- Installing distributed battery storage or solar battery storage.
- Prioritizing wildfire mitigation.

Austin Energy is addressing each of these areas through existing programs, new projects, program improvements and the ESRP.



ESRP GOALS

This plan serves as a path to creating a stronger, smarter and more reliable electric system for Austin Energy customers. In creating the plan, Austin Energy focused on four main areas that summarize the goals or outcomes we intend to achieve over the course of the next decade of work.

Customer and Community

- Improve customer satisfaction by reducing the number and duration of outages and promoting resiliency options.
- Support community resilience hubs, critical facilities and access to distributed resources.

Reliability and Resiliency

- Reduce customer outages and their length through proactive asset management and advanced operations to maintain high reliability performance in standard industry metrics.
- Review outage data to identify and implement improvements to reduce the frequency of short-duration, momentary outages.

Optimization and Efficiency

- Enhance existing infrastructure through data-driven operations, asset health monitoring and alternatives to grid upgrades — such as non-wires solutions — before pursuing costly capital expansion.
- Enable more participants for controlled outages to safeguard system stability during peak stress.

Flexibility and Distributed Energy Resource Integration

- Build out the system to accommodate growing residential, commercial and grid-scale Distributed Energy Resources (DERs).
- Ensure flexible system designs that can balance two-way power flows, variability and dynamic load shifts in real time.



DECISION FRAMEWORK

Aligning to the ESRP goals above, Austin Energy uses the following questions to help prioritize its ESRP work alongside a data-driven framework.

Customer and Community

- Does it equitably improve the customer experience?

Reliability and Resiliency

- Does it strengthen the grid's ability to withstand and recover from disruptions?
- Does it improve and sustain reliability metrics?

Optimization and Efficiency

- Does it maximize use of existing infrastructure and non-wires alternatives?
- Does it align with Austin Energy's affordability goals, as adopted by City Council?

Flexibility and Distributed Energy Resource Integration

- Does it support integration of DERs and dynamic load management?

In addition to these six goal-aligned questions, Austin Energy uses a data-driven framework based on asset importance and condition. This approach supports targeted grid investments such as replacing aging infrastructure in high-load areas, hardening poles in wildfire risk areas and monitoring substations serving critical facilities.

As the ESRP evolves, Austin Energy intends to adopt a resilience cost-benefit ratio methodology and leverage the Department of Energy's Interruption Cost Estimate calculator to further guide the development of the initiatives found in this plan. This data-focused approach compares the cost of resilience initiatives to their benefits, such as avoided outages and reduced damage, while also considering societal impacts. This way, Austin Energy can ensure investments are directed to projects with the highest value to the community.

Along the way, Austin Energy will track the trendlines for industry-standard reliability metrics and make necessary adjustments for its efforts to have the expected impact.

INITIATIVES AND BENEFITS

The ESRP identifies eight core initiatives and programs to reach its goals. Each one represents a targeted investment in infrastructure, technology or operations designed to help Austin Energy's system withstand more, heal faster and grow with new technologies. The specific benefits outlined for each initiative show how these efforts contribute to:

- Fewer outages.
- Faster outage response and restoration.
- Reduced risk.
- Improvements where they are needed most.
- Safer electrical equipment and operations.
- Reduced outage severity.
- More insight into resiliency efforts.

Circuit Hardening

Austin Energy's Circuit Hardening Program is focused on reinforcing the most critical and vulnerable segments of the distribution system. Rather than applying a uniform, end-to-end approach, Austin Energy is shifting to a strategic process that targets portions of circuits serving the highest number of customers or located in high-risk areas. This ensures that more customers experience the benefits of improved reliability and safety sooner, while maximizing the return on investment.

Since the program started in 2022, Austin Energy has hardened an average of 10 circuits per year. The program integrates closely with vegetation management, pole inspection and asset remediation efforts to reduce rework and streamline field operations. Advanced technologies, including drone-based inspections, are used to identify and prioritize infrastructure upgrades.

One form of hardening is moving infrastructure below ground. Strategic undergrounding is a resilience tool applied only in specific situations. As part of the ESRP, Austin Energy will continue to evaluate and implement undergrounding where traditional resilience improvements may not be enough or where long-term benefits justify the investment. Additionally, Austin Energy will continue to enable undergrounding for new infrastructure, which is already a commonly used approach with developers.

Benefits

- Reduces outage frequency and duration.
- Enhances structural integrity with fire- and wind-resistant poles and components.
- Deploys covered conductor and spacer cables to minimize contact with equipment.
- Replaces aging components like lightning arrestors, cross arms and capacitor banks before failure.



- Reduces weather- and vegetation-related outages.
- Focuses resources where undergrounding offers the highest operational and community benefits.

Wildfire Mitigation

As an extension of the Circuit Hardening Program, Austin Energy's Wildfire Circuit Program is designed to reduce fire risk and minimize infrastructure damage in wildfire-prone areas. This program uses enhanced design standards and technologies to target segments of the grid with elevated wildfire exposure. Each circuit is evaluated based on its risk profile, and hardening measures are implemented to reduce risk.

Benefits

- Strengthens infrastructure in high-risk areas to help prevent utility-related wildfires.
- Applies circuit-by-circuit upgrades based on specific wildfire exposure.
- Leverages the Pano AI camera system for real-time wildfire monitoring and coordination with first responders.
- Replaces vulnerable equipment with fire-resistant alternatives to withstand extreme conditions.

Vegetation Management

Austin Energy is transitioning from a traditional, cycle-based vegetation maintenance model to a strategic, risk-based vegetation management approach, prioritizing circuits based on wildfire exposure, reliability performance and environmental sensitivity. The modernized program targets the most critical areas of the service territory, incorporating circuit hardening and wildfire mitigation efforts in its process. This holistic methodology enhances operational efficiencies and ensures investments provide the most resiliency value. This approach also maintains environmental considerations like oak wilt zones and protected bird habitats, ensuring that trimming practices are both effective and ecologically responsible.

Benefits

- Reduces fire risk in high-threat areas through targeted trimming.
- Decreases vegetation-related outages and supports continuous power service.
- Streamlines contractor workflows and reduces unnecessary travel.

Pole Inspection

Austin Energy's Pole Inspection Program is a cornerstone of its proactive asset management strategy, designed to enhance system reliability, safety and resilience. The program systematically inspects thousands of distribution poles annually using a combination of visual assessments, thermographic imaging and drone footage. Poles are prioritized based on risk factors such as age, material type, location in wildfire-prone areas and performance. This data-driven approach

enables timely repair or replacement of deteriorating poles before they break. By integrating pole inspections with other grid hardening efforts including vegetation management and circuit hardening, Austin Energy ensures efficient deployment of resources and minimizes service disruptions.

Benefits

- Reduces the likelihood of pole-related outages by identifying and addressing issues before an outage.
- Prevents outages caused by structural failures, especially during storms or high winds.
- Enables faster fault detection and repair through better asset condition data.
- Identifies and addresses hazards in high-risk areas through targeted inspections and fire-resistant upgrades.
- Avoids emergency repairs and reduces long-term maintenance costs through planned interventions.

Sectionalization and Automation

Austin Energy is deploying a suite of advanced technologies and operational strategies that upgrade grid infrastructure and allow real-time visibility and response. A central focus of this effort is the expansion of sectionalization capabilities — dividing the grid into smaller, controllable segments to isolate outages more effectively and minimize the number of customers affected. By integrating these intelligent field devices with our grid management systems, the utility can significantly improve reliability, reduce outage durations and support long-term sustainability goals.

In addition, automation tools that can automatically restore customers, optimize power flow and regulate voltage will be deployed to enable faster, data-driven decision making and improve power quality. These technologies work in concert to create a smarter, more responsive grid that can adapt to changing conditions and customer needs.

Benefits

- Reduces outage durations by automatically isolating outages and restoring service to unaffected areas.
- Enhances outage detection and system responsiveness through new equipment including smart reclosers, line sensors and trip savers.
- Improves efficiency and reduces energy losses by optimizing voltage levels and reactive power flow.
- Reduces manual power rerouting and improves coordination between field and control center operations.
- Enables better integration of DERs and supports peak demand management.



Intelligent Systems

Advanced Metering Infrastructure 3.0

Austin Energy operates one of the most reliable Advance Metering Infrastructure (AMI) systems in the country since launching the platform in 2002. With advancements in AMI technology, these systems can now have a more significant role in resiliency efforts. Austin Energy has partnered with its vendor to more than double its AMI network infrastructure by 2027, deploying redundant and resilient equipment across the entire service territory. This upgrade will support continuous data sharing during outages and position the utility to adopt next-generation processes once they are available. AMI 3.0 will provide real-time insights into grid conditions, improve outage response and support future grid modernization efforts.

Benefits

- Provides real-time outage and restoration status to improve situational awareness.
- Enhances available information during widespread outages through redundant infrastructure.
- Strengthens network resilience with redundant infrastructure.
- Uses advanced data for grid modernization.

Advanced Distribution Management System

Austin Energy's Advance Distribution Management System (ADMS) is how the utility monitors and controls its distribution grid. A major upgrade in 2028 will unlock new capabilities and innovation. The enhanced system will feature modular architecture, improved system integrations and advanced analytics.

The upgrade will also introduce advanced decision support tools and mobile applications for field crews, improving coordination and response during both routine work and major events. These enhancements will strengthen operational efficiency, grid stability and customer service.

Benefits

- Improves operational decisions with AI-guided tools.
- Strengthens collaboration between control room and field crews.
- Supports modular system design and future integrations.
- Improves system performance during major events.

Remote Terminal Unit Replacement Program

Remote Terminal Units (RTUs) are devices in electric substations that gather grid data for real-time operations. The RTU Replacement Program is a long-term initiative to replace older remote terminal units with modern real-time automation controllers. These devices improve data accuracy, streamline maintenance and enhance integration with grid management systems and relay protection systems.

The program brings substantial reliability and resiliency benefits by lowering risks associated with legacy equipment, reducing operational complexity and ensuring continuity as experienced personnel retire.

Benefits

- Enhances real-time visibility, outage detection and control.
- Simplifies operations and minimizes maintenance delays.
- Improves compatibility with system-management software for better awareness and response.
- Supports long-term modernization and reliability goals.

Grid Analytics

Austin Energy is an increasingly data-driven utility, where operational and capital decisions are informed by real-time information and evaluated through the lens of community benefit. Recent extreme weather events have underscored the need for faster, more comprehensive access to grid data. In response, Austin Energy is investing in the tools and infrastructure necessary to support a future-ready, autonomous distribution grid that is self-healing, adaptive and optimized. To enhance the work of the ESRP, Austin Energy will leverage the data it collects to focus on grid analytics to drive smarter planning and faster response.

Benefits

- Improves situational awareness and accelerates restoration efforts through real-time data.
- Prioritizes projects that deliver the greatest customer and community value.
- Enables proactive maintenance and reduces unplanned outages through predictive insights.
- Supports data transparency and infrastructure investments across neighborhoods.
- Reduces manual effort and improves accuracy with streamlined workflows and automated reporting.
- Lays the foundation for autonomous grid management.

Progress Dashboard

The community values communication and transparency, and Austin Energy is committed to sharing its progress as it implements this ESRP. Each year, Austin Energy will provide updates on the near-term implementation of the ESRP through its website and periodic reports to the utility's governing bodies.



Benefits

- Demonstrates transparency, trust and accountability by showing measurable progress toward grid resiliency goals.
- Communicates progress milestones, interdependencies and timing expectations to communities, local governments and partners.
- Translates resiliency efforts into tangible benefits — like fewer outages or faster restoration — helping customers understand investment areas.



PHASED IMPLEMENTATION

The ESRP applies a 10-year timeframe to resiliency projects so the utility can strategically build its systems and operations to withstand more, recover faster and grow to support new technologies. By the end of the 10-year effort, Austin Energy seeks to rank in the top ten percent for reliability performance in several industry-standard metrics:

- System Average Interruption Frequency Index (SAIFI) — the average number of outages per customer.
- System Average Interruption Duration Index (SAIDI) — the average duration of outages in minutes.
- Customer Average Interruption Duration Index (CAIDI) — the average time in minutes to restore service to affected customers.

This plan creates space over the next decade so Austin Energy can strategically deploy resources and make significant progress with a prudent budget. The phased implementation allows the utility to thoughtfully plan and initiate the comprehensive work in year one, appropriately scale it up in year two and then implement through maturity over the next decade. By providing near-term specificity with longer-term flexibility, Austin Energy is positioned well to adapt the ESRP to changes in technology and lessons learned each year.

FY26 — Foundation and Launch

In FY26, Austin Energy will launch foundational programs, initiate high-priority investments and establish governance and data infrastructure. As enabling factors, utility efforts will include finalizing staffing plans for a hub-and-spoke model, establishing periodic reviews and conducting necessary analysis for future planning. It will also include the following work for each initiative.

Initiative	Objectives
Circuit Hardening	<ul style="list-style-type: none"> • Expand the Circuit Hardening Program to 10 circuits. • Proactively replace 40 line segments of underground cable. • Address preventative maintenance ticket work using the priority matrix. • Consider a viable pilot location for strategic undergrounding and assess permitting needs.
Wildfire Mitigation	<ul style="list-style-type: none"> • Initiate wildfire circuit hardening, and apply it to 10 circuits in high wildfire risk areas.
Vegetation Management	<ul style="list-style-type: none"> • Continue work toward a seven-year trim cycle aligned with Circuit Hardening and Wildfire Mitigation activities.
Pole Inspection	<ul style="list-style-type: none"> • Inspect 8,000 poles prioritized by underperformance and wildfire risk.
Sectionalization and Automation	<ul style="list-style-type: none"> • Deploy 30 data-integrated reclosers in strategic locations. • Install 100 lateral reclosers in strategic locations. • Expand vault monitoring in the Downtown Network. • Begin enhanced outage indicator pilot.
Intelligent Systems	<ul style="list-style-type: none"> • Apply Remote Terminal Unit Replacement Program to 10 additional units. • Finalize request for qualifications for Distributed Energy Resource Management Systems (DERMS) and assess vendor qualifications. • Enhance DER hosting capacity analysis.
Grid Analytics	<ul style="list-style-type: none"> • Conduct circuit optimization studies.
Progress Dashboard	<ul style="list-style-type: none"> • Create an ESRP resiliency tracking dashboard.

FY27 — Scaling and Optimizing

In FY27, Austin Energy will revisit FY26 objectives to incorporate best practices, operational learnings and assessments from the first year of ESRP implementation. With that information, the utility will expand successful pilots, optimize programs and integrate advanced analytics.

Initiative	Objectives
Circuit Hardening	<ul style="list-style-type: none"> • Increase the Circuit Hardening Program to 20 circuits. • Begin replacement of uninsulated low voltage wire (open wire secondary) on prioritized circuits. • Launch switchgear maintenance program for padmount and metal-clad equipment.
Wildfire Mitigation	<ul style="list-style-type: none"> • Continue wildfire circuit hardening and apply it to 20 circuits in high wildfire risk areas.
Vegetation Management	<ul style="list-style-type: none"> • Continue work toward a seven-year trim cycle aligned with Circuit Hardening and Wildfire Mitigation activities. • Begin transition to a risk-based trimming program.
Pole Inspection	<ul style="list-style-type: none"> • Inspect 15,000 poles prioritized by underperformance and wildfire risk.
Sectionalization and Automation	<ul style="list-style-type: none"> • Deploy 40 data-integrated reclosers in strategic locations. • Install 100 lateral reclosers in strategic locations. • Expand vault monitoring in the Downtown Network by four additional units. • Begin engineering analysis for outage location technology (FLISR). • Deploy automated circuit ties and capacitor banks.
Intelligent Systems	<ul style="list-style-type: none"> • Expand Remote Terminal Unit Replacement Program to more substations — 10 additional units. • Deploy DER intake platform. • Begin ADMS upgrade planning and procurement.
Grid Analytics	<ul style="list-style-type: none"> • Automate reliability reporting.
Progress Dashboard	<ul style="list-style-type: none"> • Refine and update the ESRP resiliency tracking dashboard.



FY28-FY35 — Sustained Execution and Evaluation

Through FY35, Austin Energy will complete major infrastructure upgrades and achieve reliability performance in the top ten percent among peer utilities. Once the ESRP is fully implemented, Austin Energy will continue to manage and maintain its upgraded system while monitoring conditions for continuous improvement.

Initiative	Objectives
Circuit Hardening	<ul style="list-style-type: none"> • Maintain the pace of the circuit hardening program at 40 circuits per year (including wildfire mitigation circuits). • Complete open wire secondary replacement. • Complete switchgear maintenance program and set it on a 10-year cycle.
Wildfire Mitigation	<ul style="list-style-type: none"> • Complete wildfire circuit hardening for all circuits in high wildfire risk areas.
Vegetation Management	<ul style="list-style-type: none"> • Maintain a seven-year trim cycle using strategic, risk-based trim practices guided by data analytics.
Pole Inspection	<ul style="list-style-type: none"> • Maintain a 10-year pole inspection cycle.
Sectionalization and Automation	<ul style="list-style-type: none"> • Continue data-integrated recloser installation until installed on every eligible circuit. • Continue installation of lateral reclosers until fully deployed. • Fully implement outage location technology (FLISR) across eligible circuits. • Expand vault monitoring throughout the distribution system. • Maintain enhanced outage indicator installation and monitoring.
Intelligent Systems	<ul style="list-style-type: none"> • Complete Remote Terminal Unit Replacement Program. • Complete ADMS upgrade by 2028. • Implement a fully operational DERMS.
Grid Analytics	<ul style="list-style-type: none"> • Implement a resiliency cost-benefit ratio methodology that seeks to maximize investment and efficiency. • Maintain periodic reviews and annual implementation plan refresh.
Progress Dashboard	<ul style="list-style-type: none"> • Refine and update the ESRP resiliency tracking dashboard.

BUDGET

The ESRP is supported by a multi-year capital investment strategy, totaling \$735 million through FY35. This financial framework ensures the ESRP remains actionable, scalable and responsive to evolving system needs and community priorities.

The table below shows the approved budget for FY26 as well as an initial budget forecast for the full 10-year implementation. The budget forecast includes values in the approved five-year Capital Improvement Plan and then carries that forward to cover a 10-year timeframe. The total 10-year budget forecast provides a good sense of scale at the start of the comprehensive plan, though it is expected to change over time as Austin Energy applies further data analysis to enhance its work.

Initial Year FY26 Budget	Total 10-Year Budget Forecast	Initiatives Included
\$32 million	\$340 million	<ul style="list-style-type: none"> • Vegetation Management • Wildfire Mitigation
\$16 million	\$280 million	<ul style="list-style-type: none"> • Circuit Hardening • Pole Inspection • Sectionalization and Automation
\$12 million	\$115 million	<ul style="list-style-type: none"> • Intelligent Systems • Grid Analytics • Progress Dashboard
\$60 million	\$735 million	Total Budget Forecast



RISKS AND CONTINGENCIES

Supply Chain

Lead times for crucial equipment such as poles and transformers have increased significantly due to rising demand from resilience investments across the U.S. To lower this risk, Austin Energy will implement long-term, fixed-price contracts and strengthen asset planning, procurement and inventory management.

Budget/Funding

Austin Energy's ESRP includes a wide range of investments, from low-cost initiatives to multi-million-dollar projects. Austin Energy's 10-year horizon allows for greater flexibility, enabling the utility to phase investments strategically and smooth spending over time. The utility will also align spending with grant opportunities if possible.

Resourcing

The ESRP will be supported by a mix of contractors and full-time employees. In many instances, contractors will focus on project-based deployments while full-time employees will maintain and support ongoing operations. To address shortages often found in the contractor workforce for skilled electrical labor, Austin Energy will focus on cross-training, retention programs and external partnerships to build internal expertise and fill critical skill gaps.

State Regulatory Changes

The regulatory space continues to evolve around reliability and resiliency. Austin Energy anticipates additional requirements, especially from Public Utility Commission of Texas rules on pole standards and pole maintenance plans. Austin Energy will actively monitor and participate in those rulemakings along with any others that may impact this ESRP, and adjustments will be made to ensure compliance with all applicable rules.



CONCLUSION

The Electric System Resiliency Plan aims to build a stronger system for Austin Energy and its community over the next 10 years. As new challenges come forward, our strategy will adapt, making sure to provide continued improvements and upgrades where they're needed most. In 130 years, Austin Energy has seen a lot of change, but its mission remains its heart — safely delivering clean, affordable, reliable energy and excellent customer service. By building a stronger system that can withstand more, heal faster and grow to support new technologies and energy resources, the ESRP helps ensure the utility stays true to its heart, far into the future.





APPENDIX A - ABBREVIATIONS

Terms	Definitions
ADMS	Advanced Distribution Management System
AMI	Advanced Metering Infrastructure
CAIDI	Customer Average Interruption Duration Index
DER	Distributed Energy Resources
DERMS	Distributed Energy Resource Management System
RTU	Remote Terminal Unit
SAIDI	System Average Interruption Duration Index
SAIFI	System Average Interruption Frequency Index



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TOBACCO FREE
WORKSITE





AUSTIN ENERGY ELECTRIC SYSTEM RESILIENCY PLAN



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