

2024 COLORADO DISTRIBUTION SYSTEM PLAN

ENSURING SAFE, RELIABLE AND RESILIENT ELECTRIC SERVICE NOW AND IN THE FUTURE

MARCH 2026



Xcel Energy is seeing unprecedented demand driven by all the ways customers use electricity, from smarter homes and businesses to transportation and advanced technologies — and this demand will only continue to increase. Our Distribution System Plan will help ensure our grid can meet the growing energy needs of a more electrified economy. Between 2025 and 2035, we'll add more than 3 gigawatts of capacity to the distribution system, enough to serve over 750,000 single and multifamily homes. The majority of these capacity projects will directly benefit disproportionately impacted communities.

Customer value & benefits

- Boosts the **safety** and **security** of the electric grid
- Enables the **clean energy transition** and supports state **emission reduction** requirements
- Expands customer choice, including **beneficial electrification**, **distributed energy resources**, **battery storage** and increased **renewable power** technologies
- Meets energy demand from new business and community **growth**
- Ensures the grid is **resilient** in the face of climate change, severe weather and natural disasters
- Delivers grid **flexibility** and **system stabilization**
- Optimizes power system operation, **reduces outages** and improves customer service
- Enhances **reliability** by increasing vegetation clearances around electric infrastructure

How we're investing in the distribution system

Our plan includes investments critical to providing safe, reliable and resilient electric service while increasing customer opportunities.

- **Asset health and reliability** investments replace equipment reaching the end of its useful life to ensure reliable service.
- **Capacity** projects upgrade or increase the grid's ability to handle electric load growth, like the interconnection of new distributed energy resources and greater electric vehicle adoption.
- We're expanding existing programs, providing funding for future programs and investing in grid improvements to support **electric vehicle** drivers.
- **Mandated** projects require us to relocate electric infrastructure in public rights-of-way to accommodate state and local public works projects that benefit communities across Colorado.
- **New business** projects allow us to provide service to our growing communities, like extending electrical service from an existing distribution line to a new home or business.