



Nebraska Public Power District
Always there when you need us



Planned Transmission Key Facts

The transmission system is a vast, interconnected network, and new transmission projects strengthen it both locally and regionally. The U.S. electric grid — often called the world's largest machine — spans coast to coast. Each new transmission line improves reliability and resiliency for nearby communities and supports those we serve.

A modern, resilient transmission system is essential to meeting today's energy needs and preparing for tomorrow's expectations. We do this by evaluating and maintaining our existing infrastructure while also planning for new infrastructure that reinforces the grid and supports the communities we serve.

Transmission Planning & Public Involvement

NPPD is required to work with the Southwest Power Pool (SPP), a Regional Transmission Operator, to study and identify where transmission projects are needed to ensure reliability.



Project identified and SPP issues a notice to construct.



NPPD accepts the Notice to Construct with its Board of Directors' approval.



NPPD engages with landowners, public agencies and city/county officials, gaining essential information to identify the best possible route.



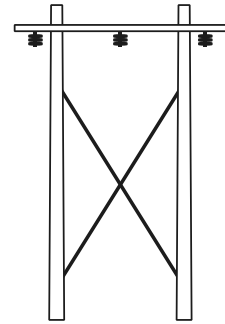
Multiple open houses where local residents and stakeholders hear project details and share their property information. In addition, NPPD works with public agencies and city/county officials to acquire proper permits.



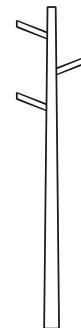
The last step of the public involvement process is a public hearing where NPPD presents the need and benefit of the project, routing criteria metrics, engineering design, easement negotiation process and compensation.



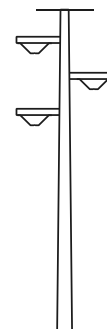
Typical Structure Types for 115kV and 345kV Modern Designs



115kV H-Frames (wood): Typically used in rural areas. These structures have a larger footprint, but the distance between them can be longer, reducing the number of structures on the line.



115kV Single pole (wood or steel): Often used in areas with less room or urban areas.



345kV Single pole (steel): Typically used in both urban and rural areas.

CURRENT TRANSMISSION PROJECTS

The projects below support our customers' long-term energy needs and help ensure the grid remains reliable and resilient as demand continues to grow. The size of each line (115kV or 345kV) is determined during the planning process to meet the identified need.

PROJECT NAME	VOLTAGE LEVEL	LENGTH	EST. IN-SERVICE
Ainsworth Wind - Bassett	115kV	Approximately 25 miles	2029
Will connect the existing Ainsworth Wind Substation, south of Ainsworth, to the existing substation south of Bassett.			
Aurora – Central City	115kV	Approximately 14 miles	2029
Will connect the existing NPPD substation south of Central City to the existing substation north of Aurora.			
Holt County – Antelope	345kV	Approximately 27 miles	2029
Will connect the existing NPPD substation in southeast Holt County to the existing substation northeast of Neligh in Antelope County.			
Tobias – Daykin – Kansas	345kV	Approximately 46 miles	2030
Will connect the existing Tobias Substation and extend to the Nebraska/Kansas border. ITC will connect the line from the Nebraska/Kansas border to the existing Elm Creek Substation in Kansas.			

The R-Project was initiated prior to updated energy reserve requirements and the sudden load growth that the 'emPOWERING Nebraska's Tomorrow' program is intended to address. It remains an essential project to ensure reliable service for our customers.



Learn more at nppd.com about
emPOWERING Nebraska's Tomorrow

OUR MISSION – Safely generate and deliver reliable, low cost, sustainable energy and related services, while providing outstanding customer service.

OUR VISION – We are a premier energy provider bringing the best of public power to Nebraskans, powering everyday life and a brighter future.



nppd.com (877) ASK-NPPD

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