



BEDFORD NORTH-CENTRAL CITY WEST 115-kV TRANSMISSION LINE PROJECT

FirstEnergy is proposing to build the Bedford North-Central City West 115-kilovolt (kV) Transmission Line Project to enhance service reliability for approximately 17,500 Penelec customers in Somerset and Bedford Counties.

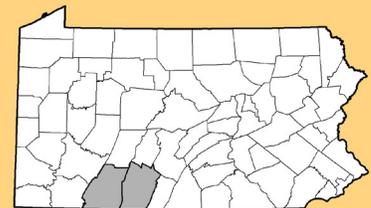
PROJECT OVERVIEW

The project will address the risk of thermal overloads and low voltage conditions on the transmission system that could impact service reliability. FirstEnergy will install a new transmission line connecting existing substations in Shade Township, Somerset County, and Bedford Township, Bedford County. The project cost estimate is approximately \$48 million.

Continued on next page



Project Location:
Bedford and Somerset counties, PA



ROUTING

FirstEnergy completed a detailed routing study to identify potential routes for the project that minimize impacts on communities and the environment. Community input on these routes was solicited from the public during open house meetings held in Cairnbrook and Bedford in January 2015.

The proposed route, which is about 18 miles long, was determined to have the least overall impacts. The eastern segment of the project involves the rebuilding of approximately 7.2 miles of an existing transmission line into a double-circuit transmission line utilizing the existing right-of-way with new structures capable of supporting an additional set of wires. The western segment of the route consists of approximately 10.6 miles of new double-circuit transmission line construction in new right-of-way, with only one set of wires initially installed.

PROJECT NEED

FirstEnergy and PJM Interconnection, the regional transmission organization that coordinates the movement of electricity in our region, have identified the risk of thermal overloads and low-voltage conditions on the transmission system under certain conditions that could impact service reliability. The proposed project will address these issues and help to safely meet the electrical needs of the region now and into the future.

REGULATORY APPROVAL

A FirstEnergy affiliate submitted an application to the Pennsylvania Public Utility Commission (PaPUC) in August 2016 proposing construction of the project. The PaPUC must approve the project before construction may begin. A decision is expected within 12 months.

EASEMENTS

The width of new right-of-way needed for the proposed line will vary based on the route, terrain, and engineering design. The right-of-way is envisioned as being generally 100 feet wide, but in steep areas, the right-of-way could be 200 feet wide or more.

FirstEnergy will seek to obtain the necessary easements for the right-of-way through negotiations with property owners, with eminent domain used as a last resort. In August 2016, FirstEnergy also filed a separate request seeking authority to exercise eminent domain if agreements cannot be reached with property owners. While the company is confident that agreements will be reached with the vast majority of property owners, the filing was a necessary step in the process to achieve state approval and remain on track with the June 2018 construction deadline.

Continued on next page

PERMITTING

Detailed wetland, stream and other environmental and historical evaluations will be performed along the transmission line route. Necessary permit applications will be submitted to state and federal agencies.

CONSTRUCTION

Project construction is scheduled to begin in late 2017, with the transmission line placed in service by summer 2018.

PROJECT TIMELINE

Sept. 2016.....	Application submitted to the PaPUC
Fall 2017	PaPUC approval and permits received
Fall 2017	Begin construction if approved
June 1, 2018	Project completed and placed in service

ABOUT ENERGIZING THE FUTURE

Energizing the Future is a \$4.2 billion transmission initiative through 2017 that involves upgrading and strengthening the grid to meet the future demands of our customers and communities. Key factors driving this major investment in our transmission system include replacing existing equipment with advanced technologies designed to enhance system reliability; meeting projected load growth driven by shale gas-related activity and other development in our region; and reinforcing the system in light of power plant deactivations.

For more information, visit firstenergycorp.com/transmission.

