

North Central Reliability Project



Fact Sheet

Maintaining safe, reliable electric service

- People are using more electricity to power everything from big-screen televisions to computers and the latest kitchen gadgets.
- The existing power system from West Orange-Sewaren, some of which dates back to the 1920s, was built before large televisions, iPods, cellular phones and other electric devices that have become commonplace.
- The PSE&G North Central Reliability Project is designed to deliver the increased electric power required by New Jersey businesses and residents.
- The project will increase transfer capability, provide better power quality, and reduce transmission system congestion experienced in the region. The project will also resolve projected NERC Category C voltage violations.
- The recommended solution to address these voltage violations is to upgrade and convert the existing overhead transmission circuits, substations and switching stations from 138kV to 230kV.
- The five counties that are connected through this project (Essex, Morris, Union, Somerset and Middlesex) have a combined population of nearly 3 million NJ residents. The population touched by this project equals approximately 33 percent of the state's population.

Description

- The overall project spans across approximately 35 miles.
- The project will go through West Orange, Livingston, Roseland, Florham Park, Chatham Borough, Chatham Township, New Providence, Berkeley Heights, Watchung, Scotch Plains, Fanwood, Clark, Edison, Metuchen and Woodbridge along an existing PSE&G overhead right-of-way.
- The 138kV wires will be replaced with 230kV transmission wires and older towers will be replaced with monopoles.
- The following stations will be upgraded to 230kV: West Orange Switching Station (West Orange), Marion Drive Substation (West Orange), Laurel Avenue Substation (Livingston), Fanwood Substation (Fanwood), New Dover Substation (Edison), Pierson Avenue Substation (Edison) and the Woodbridge Substation (Woodbridge). The line from Metuchen to Sewaren through Woodbridge Substation is already constructed for 230kV.

Route Selection

- The route selected follows an existing PSE&G right-of-way for the entire project.

Approvals

- On May 26, 2011, PSE&G filed its application with the New Jersey Board of Public Utilities (NJ BPU) to construct the North Central Reliability Project.

Economic Benefit

- The North Central Reliability Project will bolster employment within the state of New Jersey by adding approximately 400 new craft jobs in the state during a two-year period.

Projected Schedule:

- BPU filing – May 26, 2011
- Construction start - March 2012
- In-service date - June 1, 2014