

# HUNTERSTOWN-ORRTANNA 115 KV TRANSMISSION LINE PROJECT

At FirstEnergy, it's our responsibility to deliver the power our customers depend on in their daily lives. Mid-Atlantic Interstate Transmission LLC (MAIT), a FirstEnergy company, is planning to strengthen the regional transmission system near Gettysburg, Pennsylvania to improve electric service reliability for thousands of customers in Adams County.

# **PROJECT OVERVIEW**

MAIT has completed an evaluation of the existing 115 kilovolt (kV) transmission system linking the Orrtanna Substation in Highland Township and Hunterstown Substation in Straban Township, which are both located in the service area of Metropolitan Edison (Met-Ed), a FirstEnergy utility, and identified reliability concerns in the area. Currently, when the transmission line is out of service due to maintenance, severe weather or other causes, the Orrtanna Substation loses its electrical source, disrupting service to about 6,100 Met-Ed and Adams Rural Electric Cooperative customers in the Orrtanna and Hunterstown area.

Construction of a second, 115 kV transmission line connecting the Orrtanna and Hunterstown substations would alleviate this reliability issue. MAIT is proposing to construct a new approximately 9-mile double circuit 115 kV transmission line on steel monopoles parallel to the existing Hunterstown-Lincoln-Orrtanna 115 kV Transmission

Legend

Project Study Area

Existing Hunterstown-Lincoin-Ordanna 115 kV Transmission Line

Existing Hunterstown-Vinco 500 kV Transmission Line

Bridgeport

Bridgeport

Belgerville

Arendtaville

Table Rock

Switch

Switch

Streamers

Ordanna
Substation

Cashtown-McKnightstown

Cashtown-McKnightstown

Cashtown-McKnightstown

Seven Stars

Ordanna
Substation

Knoxtyn

Gettysburg

Lincoin

Lincoin

Gettysburg

Lincoin

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Line between the Orrtanna Substation and the switch structure identified on the map below. Upon completion of the new double circuit line, the existing wood pole 115 kV line will be removed.

PJM, the Regional Transmission System Operator, and the PJM stakeholders have reviewed the proposed Orrtanna Transmission Line Project. The project also includes new equipment within the Orrtanna

Continued on back





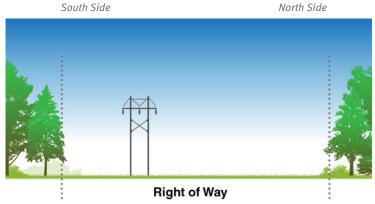
Substation configured to provide added flexibility to bolster the local electrical system. More information about the project can be found at <a href="https://www.pim.com">www.pim.com</a>.

### TRANSMISSION LINE SITING AND APPROVALS

A detailed routing study was performed to identify potential routes for the second 115 kV line into the Orrtanna Substation. These routes were carefully evaluated to minimize impacts to environmentally sensitive areas, property owners and communities. MAIT will seek approval from the Pennsylvania Public Utility Commission (PaPUC) for the project.

Detailed wetland, stream and other environmental and cultural resource evaluations were performed along the proposed transmission line route.

Necessary permits will be secured from state and federal agencies before construction.



Existing single circuit H-Frame on the southern side of the corridor.

# Right of Way

Proposed double circuit steel monopole to be constructed on the northern side of the corridor. Existing H-Frame line to be removed.

## **EASEMENTS**

The new double circuit 115 kV transmission line will be located within existing Met-Ed right-of-way. Field representatives may be in contact with property owners to discuss temporary access roads needed during construction.

# PRELIMINARY PROJECT TIME

# **ABOUT ENERGIZING THE FUTURE**

Through *Energizing the Future*, FirstEnergy is upgrading and strengthening the transmission grid to meet the existing and future needs of our customers and communities. Projects are focused on upgrading or replacing aging equipment to strengthen our transmission infrastructure, reduce outages and cut maintenance costs; enhancing performance by building a smarter, more secure transmission system; and adding flexibility by building in redundancy and allowing system operators to more swiftly react to changing grid conditions.



