OPSB STAFF REPORT OF INVESTIGATION

Case Number:	12-3003-EL-BNR
Project Name:	Burdox-Webster 138kV Reconductor
Project Location:	Dayton, Montgomery County, Ohio
Applicant:	Dayton Power and Light Company
Application Filing Date:	November 16, 2012
Filing Type:	Construction Notice
Inspection Date:	Construction Notice December 12,2012 December 20, 2012
Report Date:	December 20, 2012 December 29, 2012 December 29, 2012
Automatic Approval Date:	December 29, 2012
Projected Docket Closure Date: (if approved by the Board)	Construction Notice December 12,2012 December 20, 2012 December 29, 2012 June 1, 2015
Waiver Requests:	None
Staff Assigned:	J. Whitis, R. Huckleberry
Summary of Staff Recommendations (see discussion below):	
Application: Appro	val Disapproval Approval with Conditions
Waiver: Appro-	val 🗌 Disapproval 🔯 Not Applicable
Project Description	

Project Description

Dayton Power and Light (Applicant) proposes to reconductor approximately 0.75 miles of the Burdox to Webster 138kV Transmission Line. The existing single bundle (1 conductor per phase) 636 kcmil 36/1 and 26/7 strand ACSR conductors will be replaced with a single bundle 1351.5 kcmil 45/7 strand ACSR conductor from DP&L's Webster Substation to the interconnection point with Burdox (AGA gas) Customer Substation. Construction of the Burdox to Webster Reconductoring project would begin April 2013 and in service by June 1, 2013.

Site Description

The area in proximity of the circuit route is typically light industrial and provides easy access. The first of five structures can be accessed from the east side of Webster substation parallel to the RR corridor. The other structures are within 100' of paved roads or trails. Access across DP&L's easements or other land along the project area will be coordinated with the property owner. No additional Right-of-Way easement is required for this project.

Capital Costs

The capital cost for this project is estimated at \$450,000.

12-3003-EL-BNR Staff of Investigation This is to certify that the images appearing are an accurate and complete reproduction of a case file document delivered in the regular course of busing _____ Date Processed ! rechnician ___

Need

The proposed 138kV circuit reconductor will ensure that acceptable transmission system loading is maintained under various outage conditions, as required to comply with the mandatory North American Electric Reliability Corporation (NERC) reliability standards. It was through the PJM RTEP (ID-b1272) process that the need for the proposed project was identified. The project has been approved by both the PJM Board and FERC.

Nature of Impacts

Minimal vegetation management will be required. If needed, standard practice of mowing would be used to clear vegetation for access. Silt fence will be installed on the bank side of the towers crossing the Great Miami River to control any soil disturbances. Vehicle movement will be maintained behind the silt fencing. Remediation measures will ne taken as needed following the completion of construction activities. Before starting construction, DP&L will secure applicable permits from the Federal, State and local authorities. Additional Right-of-Way is not required for this project.

Conclusion

The proposed 138kV Circuit reconductor will ensure compliance with the mandatory NERC reliability standards as proposed under the PJM Regional Transmission Expansion Plan.