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File #: 140066

June 18, 2018

***VIA ELECTRONIC FILING***

Rosemary Chiavetta, Secretary  
Pennsylvania Public Utility Commission  
Commonwealth Keystone Building  
400 North Street, 2nd Floor North  
P.O. Box 3265  
Harrisburg, PA 17105-3265

**Re: Letter of Notification of PPL Electric Utilities Corporation for Approval to Site and Construct the Siegfried-East Palmerton #1 & #2 138/69 kV Transmission Line in Lehigh and Carbon Counties, Pennsylvania  
Docket No. A-2018-3001477**

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Dear Secretary Chiavetta:

Enclosed please find the Responses of PPL Electric Utilities Corporation to the Data Requests of the Bureau of Technical Utility Services, Set I, for filing in the above-referenced proceeding. Copies will be provided as indicated on the Certificate of Service.

Respectfully submitted,

  
Lindsay A. Berkstresser

LAB/sme  
Enclosures

cc: Jordan Van Order (*Via Email jvanorder@pa.gov*)

**PPL Electric Utilities Corporation  
Response to the Data Requests of  
The Bureau of Technical Utility Services  
Dated June 5, 2018  
Docket No. A-2018-3001477**

Q.1 Reference the Letter of Notification, Attachment 1, Section D. Please provide a detailed description of the physical condition of the transmission line facilities to be replaced.

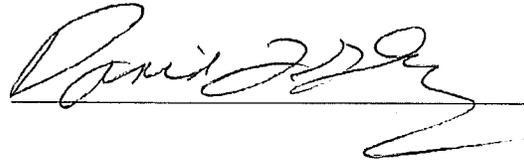
A.1 As described within the Letter of Notification, Attachment 1, PPL Electric hired a third party to evaluate the condition of the Siegfried – East Palmerton #1 and #2 69kV transmission lines. As noted in the inspection report, these lines traverse through heavily industrialized areas which have accelerated the corrosion rate of the steel structures and associated hardware on the lines. Specifically, the inspection report identified surface corrosion on the tower steel with failing coatings and exposed galvanizing causing corrosion to increase at a more rapid rate. The hardware on these lines shows signs of corrosion which reduces the strength of the hardware. Additionally, contamination has accumulated on the surface of the insulators and is reducing their insulating properties. Using a ranking of good, fair, poor or severe, the inspection report also identified that many of the wood poles are in severe condition caused by being directly imbedded in marsh and wet areas and woodpecker damage, requiring replacement

Based on the above information the inspection report concluded that the lines are reaching the end of their reliable service life and recommended replacing these lines, versus refurbishment, as the cost effective solution.

**VERIFICATION**

I, DAVID GLADEY being the DIRECTOR OF ASSET MANAGEMENT at PPL Electric Utilities Corporation, hereby state that the facts above set forth are true and correct to the best of my knowledge, information and belief and that I expect PPL Electric Utilities Corporation to be able to prove the same at a hearing held in this matter. I understand that the statements herein are made subject to the penalties of 18 Pa.C.S. § 4904 relating to unsworn falsification to authorities.

Date: 6/18/18



A handwritten signature in black ink, appearing to read "David Gladey", is written over a horizontal line.