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VIA ELECTRONIC FILING

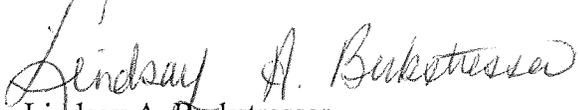
Rosemary Chiavetta, Secretary
Pennsylvania Public Utility Commission
Commonwealth Keystone Building
400 North Street, 2nd Floor North
P.O. Box 3265
Harrisburg, PA 17105-3265

Re: Letter of Notification of PPL Electric Utilities Corporation for Approval to Rebuild the Existing Breinigsville-Alburtis 500 kV Transmission Line in Lehigh County, Pennsylvania - Docket No. A-2017-2635709

Dear Secretary Chiavetta:

Enclosed for filing are the Responses of PPL Electric Utilities Corporation to the Data Requests of the Bureau of Technical Utility Services in the above-referenced proceeding.

Respectfully submitted,


Lindsay A. Berkstresser

LAB/jl
Enclosures

cc: Jordan Van Order (*Via E-mail*)

**PPL Electric Utilities Corporation
Response to the Data Requests of
The Bureau of Technical Utility Services
Dated July 3, 2018**

Docket No. A-2017-2635709

PUC Question:

In the response to question 4, PPL avers that it must curtail load to avoid the possibility of losing another circuit, in order to avoid a voltage drop violation. Please explain whether there are permissible options to this, wherein when the voltage drop is initiated by the second event, that load could then be dropped before the voltage drop exceeds the PPL parameters. In other words, a circuit breaker could be opened into the subject substation when the system detects the beginning of the voltage drop associated with the second event so as to avoid the improper drop in voltage. If such options exist, please provide the estimated cost of such a control system?

Response:

A protection control system described in the question is a “Special Protection Scheme (SPS)” or “Remedial Action Scheme (RAS)”. PJM Manual 7 states “SPS/RAS’s should not be installed as a substitute for good system design or operating practices. Their implementation is generally limited to temporary conditions involving the outage of critical equipment”. PPL would only utilize a SPS/RAS on a temporary basis and not as a permanent substitute for proper system design. Additionally, the SPS/RAS would not protect over 10, 000 customers from unacceptable outage exposure.

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: 7-11-18

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