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VIA ELECTRONIC FILING

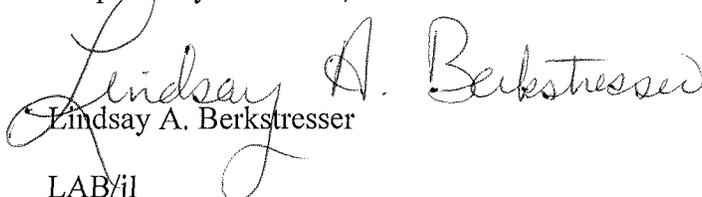
Rosemary Chiavetta, Secretary
Pennsylvania Public Utility Commission
Commonwealth Keystone Building
400 North Street, 2nd Floor North
P.O. Box 3265
Harrisburg, PA 17105-3265

**Re: Letter of Notification of PPL Electric Utilities Corporation, Filed Pursuant to 52 Pa. Code Chapter 57 Subchapter G, for Approval of the Siting and Construction of the Siegfried-East Palmerton #1 & #2 183/69 kV Transmission Lines and Associated Tap Lines Located in Lehigh and Carbon Counties, Pennsylvania
Docket No. A-2018-3001477**

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 Data Requests of
Bureau of Technical Utility Services
Dated July 26, 2018
Docket No. A-2018-3001477**

Q-10 Reference Discovery, Response to A-2. Please provide quantified outage data for the subject section of the Siegfried-East Palmerton 138/69 kV Transmission Line. The response should include, at a minimum, the number of outages in the past 5 years, the number of customers who lost service due to any outages, and whether any critical customers lost service as part of these outages and if so how many.

A-10 There was one outage in the last five years (June 2013) on the Siegfried-East Palmerton 1&2 lines. As a result of this outage one industrial customer lost service. This customer is not a critical customer.

As previously stated the line is in poor condition and if not addressed it will ultimately fail. The decision to rebuild the transmission lines is based on the condition of the transmission line and not previous operational performance. Transmission lines must be addressed prior to entering into failure mode. Customers will experience unnecessary additional outages and costs if PPL Electric allowed the transmission line to enter failure mode before PPL Electric rebuilds the line.

**PPL Electric Utilities Corporation
Response to Data Requests of
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- Q-11 Reference Discovery, Response to A-2. Please quantify the increase in reliability in terms of system average interruption frequency index, system average interruption duration index, and customer average interruption duration index.
- A-11 Reliability on these lines has been relatively stable in the last few years, with a negligible contribution to SAIFI/SAIDI/CAIDI. As stated in A-10, when an asset has exceeded its useful life, the risk of an immediate and sharp degradation in reliability performance increases substantially.

**PPL Electric Utilities Corporation
Response to Data Requests of
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Dated July 26, 2018
Docket No. A-2018-3001477**

Q-12

Reference Discovery, Response to A-2. Please provide a 5-year history of repair costs for the subject section of the Siegfried-East Palmerton 138/69 kV Transmission Line.

A-12

The five year repair costs for the Siegfried-East Palmerton 1&2 lines years were approximately \$350,000. PPL Electric performs comprehensive visual inspections (CVIs) of the transmission system on a rotating cycle to identify deficiencies needing repair. These deficiencies are categorized as either critical or non-critical based on their risk to the system. Critical deficiencies are addressed immediately, while non-critical repairs are made during routine scheduled outages or deferred until the line is rebuilt. The last CVI for these lines was conducted in 2016. Results of this CVI identified one critical deficiency and multiple non-critical deficiencies. Since the line was scheduled to be rebuilt, only the critical deficiency was repaired.

VERIFICATION

I, PHIL O. PENNY, being the MANAGER - TRANSMISSION PLANNING 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: 7/31/18