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VIA ELECTRONIC FILING

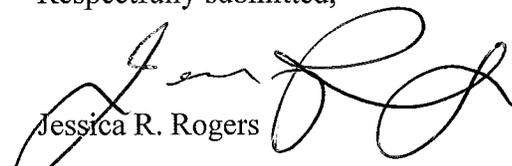
Rosemary Chiavetta, Secretary
Pennsylvania Public Utility Commission
Commonwealth Keystone Building
400 North Street, 2nd Floor North
P.O. Box 3265
Harrisburg, PA 17105-3265

**Re: Letter of Notification of PPL Electric Utilities Corporation, Filed Pursuant to 52 Pa. Code Chapter 57 Subchapter G, for Approval of the Glen Brook Substation 230 kV Connecting Lines Project in Salem Township, Luzerne County, PA
Docket No. A-2019-3012304**

Dear Secretary Chiavetta:

Enclosed for filing are the responses of PPL Electric Utilities Corporation to the Bureau of Technical Utility Services Data Request Nos. A-40 through A-45, in the above-referenced proceeding.

Respectfully submitted,


Jessica R. Rogers
JRR/jl

Enclosures

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

PPL Electric Utilities Corporation
Response to Data Requests of
Bureau of Technical Utility Services
Dated January 23, 2020
Docket No. A-2019-3012304 & P-2019-3012353

A-40 Reference the Letter of Notification, Paragraphs 17 & 18. Please provide the approximate age of the subject 230 kV and 69 kV facilities at the Columbia Substation and the applicable section of the Susquehanna-Harwood #1 & #2 230 kV Transmission Lines.

Answer Columbia substation was installed in 1974 and is 46 years old. There are twelve circuit breakers at Columbia substation all of which have been replaced since the initial construction. The circuit breaker age ranges from 9 to 2 years old with an average age of 5 years old. The Susquehanna-Harwood #1 & #2 230kV line was installed in 1969 and is 51 years old.

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A-41 Reference the Letter of Notification, Attachment 1, Section 4.2. Please provide the approximate cost of reconfiguring the breaker schemes at the Columbia Substation without the additional 69 kV line work.

Answer The approximate cost of reconfiguring the breaker schemes at the Columbia Substation without the 69 kV line rebuild work is \$42 million. Reconfiguring the breaker schemes involves rebuilding the entire Columbia Substation. In order for Alternative 2 as described in Attachment 1, Sec. 4.2 of the LON to resolve the thermal and voltage violations, all of the work, including the 69 kV line rebuilds, must be completed. The more appropriate estimate to use when analyzing Alternative 2 is the estimate originally provided in the LON.

The estimated cost is an order-of-magnitude estimate developed using averages of recent costs for similar projects and without an in-depth analysis or field investigation. The estimated cost is subject to change as the constructability of the project, sequence of construction, and other factors that may affect cost are identified and analyzed as the project progresses.

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A-42 Reference the Letter of Notification, Attachment 1, Figure 1-1. Please provide the approximate length of the existing Montour-Columbia 230 kV Transmission Line.

Answer The approximate length is 10.3 miles.

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A-43 Reference the Letter of Notification, Attachment 1, Figure 1-1. Please explain whether closing the normally open switches would alleviate the issue.

Answer Closing the normally open switches in Attachment 1, Figure 1-1 would not address the voltage and thermal violations listed in the application. Please refer to PPL's response to A-14 which stated "Closing the normally open switches in Figure 1-1 would not resolve the violations. In fact, closing those switches will exacerbate the problem, as it would increase load connected to the Columbia substation."

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A-44 Reference the Letter of Notification, Attachment 1, Figure 1-3. Please provide the approximate length of the proposed Glen Brook-Berwick 69 kV Transmission Line.

Answer The approximate total length of the Glen Brook-Berwick 69kV line is 13.9 miles, of which 13.7 miles is an existing 69kV line and 0.2 mile will be new line to connect to the Glen Brook Substation.

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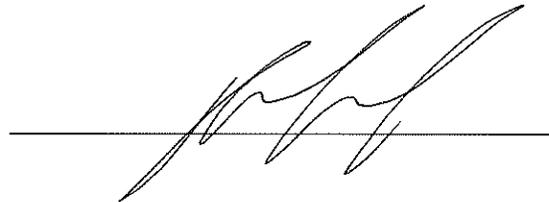
A-45 Please provide a table, by year, for the 20-year cost of service of the proposed 230 kV tie-line and proposed Glen Brook Substation and 69 kV work based on PPL Electric's current FERC formula rate.

Answer Please refer to PPL's response to A-15.

VERIFICATION

I, DAVID A. QUIER 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: 1/27/2020

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