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File #: 208298

February 25, 2025

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 To Rebuild The Three Existing Sections of the Double-Circuit 230 kV Transmission Lines Connecting The UGI Utilities, Inc. Owned Mountain 230-69 kV Substation To The PPL Electric Owned Jenkins 230-69 kV Substation And Stanton 230-69kV Substation That Are Respectively Located In Luzerne County, Pennsylvania
Docket No. A-2024-3052129**

Dear Secretary Chiavetta:

Enclosed, on behalf of PPL Electric Utilities Corporation (“PPL Electric”), is information being supplied to the Pennsylvania Public Utility Commission’s (“Commission”) Bureau of Technical Utility Services (“TUS”) in response to TUS Set II Data Requests regarding the above-captioned proceeding.

If there are any questions concerning this matter, please contact me at the address or telephone number provided above.

Respectfully submitted,



Nicholas A. Stobbe
Associate

NAS/sa

Rosemary Chiavetta, Secretary
February 25, 2025
Page 2

Enclosures

cc: Jordan Van Order (*via email; w/attachments*)
Certificate of Service

**PPL Electric Utilities Corporation
Response to Set II Data Requests of the
Bureau of Technical Utility Services
A-2024-3052129
Dated February 18, 2025**

A-4 Reference the Letter of Notification, Attachment 1, page 2. Please explain whether UGI Utilities, Inc. will be responsible for a portion of the project cost. If not, please provide a detailed explanation as to why.

PPL UGI Utilities, Inc. will not be responsible for a portion of the project cost.
Response Since the transmission line assets subject to the Project are solely owned by PPL Electric Utilities Corporation ("PPL Electric") and the Project is a supplemental project, the associated cost will be paid by PPL Electric.

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A-5. Reference the Letter of Notification, Attachment 2, pages 2-3. Please explain the need to replace non Cor-Ten transmission structures.

PPL
Response

The non-COR-TEN® transmission structures proposed for replacement cannot be reused due to changes in ground clearance and structural loading.

The Project design includes Dynamic Line Ratings (“DLRs”) technology, which will allow the conductor to operate at higher temperatures (250°C/482°F) and help maximize load without compromising safety. When the operating temperature of the conductor increases, the potential conductor sag also increases. Due to the increased conductor sag, slightly taller structures (approximately 5-10 feet) are needed to maintain the required ground clearance.

DLRs are transmission line ratings that reflect real-time weather conditions, such as ambient air temperature, wind, cloud cover, solar heating, and precipitation, in addition to transmission line conditions such as temperature, tension or sag, rather than using “worst-case” assumptions of weather conditions. The DLR technology was included in this project to maximize load, when environmental conditions allow it, without compromising safety.

The structural loading increased because the conductor weight per foot is greater with the proposed conductor type (1590 kcmil¹, 54/19 stranding, “Falcon” High Strength ACSS²), as compared to the existing conductor (1590 kcmil, 45/7 stranding, “Lapwing” ACSR³ conductor).

¹ A kcmil is a thousand circular mils. A circular mil is the cross-sectional area of a wire one mil in diameter, where 1 kcmil = 0.5067 mm².

² ACSS stands for aluminum conductor steel supported.

³ ACSR stands for aluminum conductor steel reinforced.

VERIFICATION

I, JOSEPH B. LOOKUP, being the Vice President – Transmission & Distribution Planning and Asset Management at PPL Services 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: 02/25/2025


Joseph Lookup (Feb 25, 2025 10:54 EST)
Joseph B. Lookup