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File #: 165402

July 31, 2017

***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 Approximately 3.9 Miles of the Existing Cumberland-West Shore 230 kV Transmission Line and to Construct Approximately 0.3 Miles of New 230 kV Transmission Lines to Interconnect the Williams Grove 230-69 kV Substation in Upper Allen Township, Cumberland County, Pennsylvania with the 230 kV System  
Docket No. A-2017-2611742**

Dear Secretary Chiavetta:

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

Respectfully submitted,

Christopher T. Wright

CTW/jl  
Enclosures

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

Letter of Notification of PPL Electric Utilities Corporation for Approval to Rebuild a Portion of Existing Transmissions and to Construct New Transmission Lines in Upper Allen Township, Cumberland County, Pennsylvania  
Docket No. A-2017-2611742

Response to Technical Utility Staff Data Requests  
(Response dated 7/31/2017)

- A-1. Reference LON, Attachment 1, Figure 1-6, the map of the proposed facilities. The map depicts two 230 kV connections to the Williams Grove Substation while the single line diagram and the Proposed Solution indicate that there will be three 230 kV connections to the substation. Please explain this apparent discrepancy or provide a revised copy of Figure 1-6.

Response:

There is no discrepancy and both Figures 1-3 and 1-6 are correct. The Data Request A-1 confuses 230 kV “circuits” with “transmission lines.” As explained in Section D of Attachment 1 to the Letter of Notification:

The proposed Williams Grove Substation will be interconnected with three 230 kV lines. The proposed Williams Grove Substation property currently is crossed by the existing Cumberland – West Shore 230 kV Transmission Line. Two of the 230 kV lines interconnected with Williams Grove Substation will come from splitting the existing single-circuit Cumberland – West Shore 230 kV transmission line into two lines and tying them into the new Williams Grove Substation. The resulting lines will be referred to as the Cumberland – Williams Grove 230 kV Transmission Line and the Williams Grove – West Shore 230 kV Transmission Line.

The third 230 kV line will be interconnected with the Williams Grove Substation by disconnecting the Brunner Island – West Shore #1 230 kV Transmission Line from the West Shore Substation and re-terminating this line into Williams Grove Substation. This line will be referred to as the Brunner Island – Williams Grove 230 kV Transmission Line. In order to do this, the existing 230 kV line between West Shore Substation and the proposed Williams Grove Substation will be rebuilt as a double-circuit line to accommodate the new Williams Grove – West Shore 230 kV Transmission Line (the split portion of the existing, single-circuit Cumberland – West Shore 230 kV Transmission Line) and the new Brunner Island – Williams Grove 230 kV Transmission Line. The total length of transmission line rebuild from single-circuit to double-circuit will be approximately 3.9 miles.

The Williams Grove – West Shore 230 kV and the Brunner Island – Williams Grove 230 kV circuits will enter the Williams Grove

Substation on the same set of structures, i.e., on double-circuit tower structures.

Thus, there will be a total of three 230 kV circuits interconnected with the Williams Grove Substation but only two transmission lines -- one single circuit transmission line and one double-circuit transmission. Figure 1-3 of Attachment 1 accurately depicts that three 230 kV circuits will be interconnected with the Williams Grove Substation. Figure 1-6 of Attachment 2 accurately depicts the location of the two 230 kV transmission lines (one single circuit transmission line and one double-circuit transmission) that will be interconnected with the Williams Grove Substation.

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- A-2. Reference the LON, Paragraph 35 stating that the estimated cost of the project is approximately \$15 million. Please explain who will finance and build the proposed project.

Response:

The cost for this transmission line Project will be paid by PPL Electric. The costs and cost recovery of this transmission line Project are subject to the regulatory jurisdiction of the Federal Energy Regulatory Commission.

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- A-3. Reference the LON, Paragraph 43 stating that the average height of the new transmission line structures will be 145 feet. Attachment 2, page 2-3 and Attachment 3, page 3-3 of the LON state that the average height will be 130 feet and 115 feet respectively. Please reconcile.

Response:

The average height referenced in Paragraph 43 of the Letter of Notification is an inadvertent typographical error. As stated in Paragraph 32 of the Letter of Notification and page 2-3 of Attachment 2, the proposed new 230 kV structures are expected to range between 105 and 145 feet in height, with an average height of 130 feet.

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- A-4. Please provide a certificate of service demonstrating that a copy of the LON was served upon Meadows at Bumble Bee Hollow, L.P., Bowmans Hill Homeowners Association, and Bowman Village Partners.

Response:

The corporate address for Meadows at Bumble Bee Hollow, L.P. is 225 N Presidential Boulevard Bala Cynwyd PA 19004. This is the same corporate address for Bumble Bee Hollow Limited. As shown on page two of the Certificate of Service, a copy of the Letter of Notification was served at this corporate address.

No known mailing address was located for either Bowmans Hill Homeowners Association or Bowman Village Partners (also a homeowners association). However, PPL Electric served a copy of the Letter of Notification on all property owners within the Homeowners Associations.

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- A-5. Reference the LON, Attachment 1, Table 1-1 and Table 1-2 listing the number of customers served before the project as 30,646 and the number of customers served after the project as 21,405. Please explain how the remaining 9,241 current customers will receive electric service after completion of the proposed project.

Response:

The data in the Tables 1-1 and 1-2 of Attachment 1 to the Letter of Notification is correct. Currently, the Cumberland – West Shore #3 and Cumberland West Shore #4 69 kV lines collectively serve approximately 30,646 customers as shown in Table 1-1. After the Williams Grove Project is complete, the Cumberland – West Shore #3 & #4 69 kV lines will be broken up into four 69 kV lines that will be interconnected with the Williams Gove Substation: the Williams Grove – West Shore #1 & #2 69 kV lines and the Williams Grove – Mechanicsburg #1 & #2 69 kV lines. Table 1-2 shows the approximate number of customers served from each of these four lines that will be interconnected with the new Williams Grove Substation after the Project is complete. In total, these four 69 kV line will serve approximately 21,405 customers.

The remaining approximately 9,241 customers will be served from the section of the existing 69 kV lines that extend from the Cumberland Substation to the normally open switches as shown in Figure 1-5 of Attachment 1 to the Letter of Notification. After the Williams Grove Project is complete, this segment will be renamed the Cumberland – Carlisle #1 & #2 69 kV lines. The Cumberland – Carlisle #1 & #2 69 kV lines will not be interconnected with the new Williams Grove Substation and, therefore, the remaining approximately 9,241 customers served by this existing line was not included in Table 1-2, which only shows the approximate number of customers served from the 69 kV lines that will be interconnected with the new Williams Grove Substation.

In this filing, PPL Electric is seeking Commission approval to rebuild and construct the 230 kV transmission lines needed to interconnect the proposed new Williams Grove Substation. The 69 kV transmission lines are not the subject of this filing because PPL Electric does not need Commission approval to site, construct, or relocate transmission lines operating at less than 100 kV. *See* 52 Pa. Code § 57.71. Rather, the data in Tables 1-1 and 1-2 of Attachment 1 is provided to demonstrate that the Williams Grove Substation Project will improve the reliability of electric service by, among other things, reducing the total miles per circuit and number of customers per circuit, which will reduce the number of customers that experience an outage due a fault on a given line. A further detailed explanation of the need for the Williams Grove Substation Project is provided in Attachment 1 to the Letter of Notification.

## VERIFICATION

I, Stephanie Raymond being the Vice President-Transmission and Substations 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: 7/28/17

