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June 12, 2020

Via Electronic Filing

Rosemary Chiavetta, Secretary
Pennsylvania Public Utility Commission
400 North Street
Harrisburg, PA 17120

Re: Application of Duquesne Light Company filed Pursuant to 52 Pa. Code Chapter 57, Subchapter G, for Approval of the Siting and Construction of the Mon-Fayette Tower Relocations Project in West Mifflin Borough, Borough of Dravosburg, and the City of Duquesne in Allegheny County, Pennsylvania
Docket No. A-2020-3015225

Dear Secretary Chiavetta:

Enclosed please find Duquesne Light Company's responses to the Data Requests Propounded by the Bureau of Technical Utility Services ("TUS") Set I. Please note that the Company has also included, as an addendum to its responses to TUS Set I, an update to the design of the subject transmission line project.

Sincerely,

Michael Zimmerman

Enclosures
cc: Jordan Van Order, TUS (jvanorder@pa.gov)

Data Requests
Docket No. A-2020-3015225

Note: If any responses contain Confidential Security Information (CSI), please inform TUS staff via phone call or email.

A-1 Reference the Application, Paragraph 11. Please explain whether any of the described circuits are part of a common transmission line. Additionally, please explain whether the lines are single circuit or double circuit.

Response:

Assuming "common transmission line" is defined as multiple circuits sharing the same structure, below is a list of double circuit lines and single circuit lines that are impacted by this project:

Double circuit lines:

- Z-13 Wilson Substation to West Mifflin Substation
- Z-14 West Mifflin Substation to Wilson Substation
- Z-15 Dravosburg Substation to U.S.S Clairton Substation
- Z-57 Universal Substation to U.S.S. Illinois
- Z-72 Wilson Substation to Dravosburg Substation
- Z-73 Dravosburg Substation to West Mifflin Substation
- Z-74 Dravosburg Substation to West Mifflin Substation
- 66162 West Mifflin Substation to Elrama Substation (referred to as Z-75 in the Siting Application)
- Z-76 Wilmerding Substation to Dravosburg Substation
- Z-77 Wilmerding Substation to Dravosburg Substation
- Z-78 Logan's Ferry Substation to Dravosburg Substation
- Z-79 U.S.S. Illinois Substation to Dravosburg Substation

Single Circuit line:

- Z-91 Rankin Substation to Dravosburg Substation

A-2 Reference the Application, Paragraph 15. Please explain whether the approximate change in structure height is applicable only to circuit Z-91. If so, please provide the approximate change in structure height for each transmission line.

Response:

The approximate change in structure height is applicable to all transmission lines in the project. Circuit Z-91 is the only circuit with existing wood poles (60' to 80' in height) that are being replaced. The rest of the project has existing steel lattice towers or steel monopoles (84' to 121' in height) that are being replaced. The new structures for the project will all be steel monopoles that range in height from 55' to 195', with an average height of approximately 125'.

A-3 Reference the Application, Paragraph 15. Please explain whether the provided spans are applicable to all of the transmission lines to be relocated as part of the proposed project. If not, please provide the average span and longest span for each section of transmission line to be relocated.

Response:

The average span of 800 feet and maximum span of 1300 feet between structures represents all transmission lines included in this application. The average and longest spans within each Study Area are as follows:

- Study Area 1: Average=1000ft, Longest=1300ft
- Study Area 2: Average=750ft, Longest=1100ft
- Study Area 3: Average=650ft, Longest=1100ft
- Study Area 4: Average=800ft, Longest=1000ft
- Study Area 5: Average=800ft, Longest=1200ft

A-4 Reference the Application, Paragraph 56. Please explain whether any of the proposed project will be located on existing right-of-way. Additionally, please quantify the amount of new right-of-way required for the proposed project.

Response:

There are portions of each of the 5 Study Areas that are located on existing right of way as these line relocations connect with the existing lines within existing right-of-way. The total area of new right-of-way required for the Project is approximately 61 acres.

A-5 Reference the Application, Paragraph 56. Please provide a range for the right-of-way width.

Response:

The new right-of-way ranges in width from 125’ to 350’.

A-6 Reference the Application, Attachment 4, Section 4.6. Please provide the approximate cost of the alternative route.

Response:

The estimated cost to design and construct the proposed Project using the Alternate Route is $70 to $90 million.

A-7 Reference the Application. Please provide the PJM project number or provide a detailed explanation as to why the proposed project has not been assigned a PJM project number.

Response:

DLC initially presented the need to address the turnpike and transmission system conflicts at the PJM Subregional Regional Transmission Expansion Plan (RTEP) committee meeting on February 20, 2019. DLC plans to present the solution to this need at the PJM Subregional RTEP committee meeting on June 19, 2020. Once the solution has been presented, a PJM project ID will be assigned.

Addendum

The Company anticipates certain design changes to the Project due to the recent Beaver Valley deactivation withdrawal announcement. Transmission system impacts due to this deactivation withdrawal announcement are currently being reviewed by PJM and pending final decision. Duquesne Light anticipates that it will ultimately not move forward with any pending scopes that are still under PJM review. This would impact the Project in the following ways:

- Circuit Z-13: Three twin-bundled 795 kcmil, 20/7 ACSS-TW-HS conductors would be installed (i.e., for a total of six conductors) between structures 3127 and 7124, instead of three non-twin-bundled conductors as indicated in Application paragraph 18.
- Circuit Z-73: Three non-twin-bundled 795 kcmil, 20/7 ACSS-TW-HS conductors would be installed between structures 7018 and 7109, instead of three twin-bundled conductors (i.e., for a total of six conductors) as indicated in Application paragraph 23.
- Circuit Z-75: a fiber optic cable would not be installed from structures 3127 to 7124 and 7018 to 7108, as indicated in Application paragraph 24. The shield wire for this circuit would be 7#8 alumoweld. This circuit would remain two separate circuits, Z-73 and 66162.

These changes would not affect the Project route, right-of-way, or estimated Project cost.

BEFORE THE
PENNSYLVANIA PUBLIC UTILITY COMMISSION

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VERIFICATION

I, Meenah Shyu, hereby state that the facts set forth above are true and correct to the best of my knowledge, information and belief, and I expect 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).

Dated: June 12, 2020