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Nicholas A. Stobbe

nstobbe@postschell.com  
717-612-6033 Direct  
717-731-1985 Direct Fax  
File # 205858

June 24, 2024

***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 Reconductor Approximately 0.33 Miles Of The Existing Springfield-Gilbert 230 kV Transmission Line Between The Springfield 230-69 kV Substation And The Demarcation Point Where Ownership Of The transmission Line Transfers to Mid-Atlantic Interstate Transmission, LLC (“MAIT”)  
Docket No. A-2024-3049475**

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 I Data Requests regarding the above-captioned proceeding.

Respectfully submitted,



Nicholas A. Stobbe

NAS/dmc  
Enclosures

cc: Jordan Van Order

**PPL Electric Utilities Corporation  
Response to the Data Requests of  
The Bureau of Technical Utility Services  
Dated June 14, 2024  
Docket No. A-2024-3049475**

TUS A-1           Reference the Letter of Notification, Paragraph 9. Please provide the load carrying capacity (in terms of amperes) of the Springfield – Gilbert 230 kV Transmission Line before the proposed reconductor project and after completion of the proposed reconductor project.

PPL  
Response           The Springfield – Gilbert 230 kV Transmission Line is owned in sections by PPL Electric Utilities Corporation (“PPL Electric”) and Mid-Atlantic Interstate Transmission, LLC (“MAIT”). Currently, PPL Electric’s section is the limiting factor on the Springfield – Gilbert 230 kV Transmission Line. After the above-captioned PPL Electric project is completed and the thermal overload violation is resolved, MAIT’s section will be the limiting factor on the Springfield – Gilbert 230 kV Transmission Line. However, the MAIT section is already above what is required to resolve the thermal overload violation.

Springfield – Gilbert 230kV Transmission Line:

Existing load carrying capacity – limited by PPL Electric:

Summer Normal Rating: 1626A  
Summer Emergency Rating: 2013A  
Winter Normal Rating: 1873A  
Winter Emergency Rating: 2267A\*

\*The contingency loading in the 2035 Winter Generation Deliverability Analysis exceeded the Winter Emergency Rating.

Proposed load carrying capacity – limited by MAIT assets:

Summer Normal Rating: 1780A  
Summer Emergency Rating: 2181A  
Winter Normal Rating: 2021A  
Winter Emergency Rating: 2390A

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TUS A-2

Reference the Letter of Notification, Paragraph 19. Please provide a detailed description of the thermal overload.

PPL  
 Response

During the 2021 SAA Proposal Window to Support NJ OSW, a thermal overload was identified in the 2035 Winter Generation Deliverability Analysis on the Springfield – Gilbert 230kV Transmission Line. The loss of the Hosensack – Steel City 500kV (Contingency “PL:20:P12:000096”) results in an overload on the Springfield – Gilbert 230kV Transmission Line. PJM included the Springfield – Gilbert 230kV Transmission Line in the list of facilities that it was accepting proposals for in the 2021 SAA Proposal Window to Support NJ OSW. See the table below:

2035 RTEP PJM Generation Deliverability Result (Winter)														
FG #	Fr Bu	Name	To Bu	Name	CKT	KVs	Area	Rating	2028 FN AC	2035 FN AC	Cont Label	Cont Ty	PJM Accepting Proposals	Comment
3+4-145-GD-S2-W7	227900	CARDIFF C	219100	NEWFRDM	1	230/230	234/231	692	117.11	117.69	'JC-P7-1-JCC-230-13'	Tower	Yes	
35-GD-S2-W6	200064	PCHBTM1S	200004	CNASTONE	1	500/500	230/232	4290	109.25	110.2	'TS_P1-2_#16'	Single	Yes	
35-GD-S2-W10A	232012	HOPE CREEK	232014	LSPWR CABLE	1	230/230	225/225	575	103.65	107.3	'PJM500_PS_P1-2_5015'	Single	Yes	Updated FG # to ensure it is unique.
35-GD-S2-W11	232012	HOPE CREEK	232014	LSPWR CABLE	2	230/230	225/225	575	103.65	107.3	'PJM500_PS_P1-2_5015'	Single	Yes	
35-GD-S2-W12	232014	LSPWR CABLE	232013	SILVER RUN	1	230/230	225/225	1150	103.57	107.21	'PJM500_PS_P1-2_5015'	Single	Yes	
35-GD-S2-W8A	200064	PCHBTM1S	200004	CNASTONE	1	500/500	230/232	4290	103.91	105.07	'TS_P1-3_#T2_FUR RUN 500_230'	Single	Yes	Updated FG # to ensure it is unique.
35-GD-S2-W8B	218345	ALDENE 6	216911	SPRINGRD_3	1	230/230	231/231	522	103.81	104.68	BASE CASE	Single	Yes	Updated FG # to ensure it is unique.
35-GD-S2-W8B	227900	CARDIFF C	219100	NEWFRDM	1	230/230	234/231	692	101.2	101.46	'AE_P7-1 AE15TOWER'	Tower	Yes	Updated FG # to ensure it is unique.
35-GD-S2-W17	200066	PCHBTM1N	270072	FUR RUN_500	1	500/500	230/225	4403	100.41	101.12	1-2_5012/* \$ CHESCO \$ PECO_P1-2_5	Single	Yes	
35-GD-S2-W14	214277	RICHMOND35	214012	WANEETA3	1	230/230	230/230	803	103.37	101.03	BASE CASE	Single	Yes	
35-GD-S2-W9B	227900	CARDIFF C	219100	NEWFRDM	1	230/230	234/231	692	100.53	100.78	'AE_P7-1 AE14TOWER'	Tower	Yes	Updated FG # to ensure it is unique.
35-GD-S2-W19	200064	PCHBTM1S	200004	CNASTONE	1	500/500	230/232	3592	99.47	100.49	BASE CASE	Single	Yes	
35-GD-S2-W10B	227900	CARDIFF C	219100	NEWFRDM	1	230/230	234/231	692	100.12	100.35	'AE_P7-1 AE13TOWER'	Tower	Yes	Updated FG # to ensure it is unique.
35-GD-S2-W16	206236	28GILBERT	208091	SFLD	1	230/230	228/229	903	99.97	100.24	'PL:20:P12:000096'	Single	Yes	
35-GD-S2-W13	218306	DEANS	218304	BRUNSWCK	1	230/230	231/231	980	103.4	103.6	'PS_P1-2_Z-2331_LT'	Single	Yes	Previously missed and added on 8/27/2021.
35-GD-S2-W15	218306	DEANS	218304	BRUNSWCK	1	230/230	231/231	980	102.78	103.21	'PJM500_PS_P1-2_5019'	Single	Yes	Previously missed and added on 8/27/2021.
35-GD-S2-W16	218306	DEANS	218304	BRUNSWCK	1	230/230	231/231	980	102.35	102.55	'PS_P1-2-Z-2331'	Single	Yes	Previously missed and added on 8/27/2021.

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TUS A-3           Reference the Letter of Notification, Paragraph 19. Please provide the existing available capacity on the Springfield – Gilbert 230 kV Transmission Line and the available capacity after completion of the proposed project.

PPL  
Response           The Springfield – Gilbert 230 kV Transmission Line is owned in sections by PPL Electric Utilities Corporation (“PPL Electric”) and Mid-Atlantic Interstate Transmission, LLC (“MAIT”). Currently, PPL Electric’s section is the limiting factor on the Springfield – Gilbert 230 kV Transmission Line. After the above-captioned PPL Electric project is completed and the thermal overload violation is resolved, MAIT’s section will be the limiting factor on the Springfield - Gilbert 230 kV Transmission Line. However, the MAIT section is already above what is required to resolve the thermal overload violation.

Springfield – Gilbert 230kV Transmission Line:

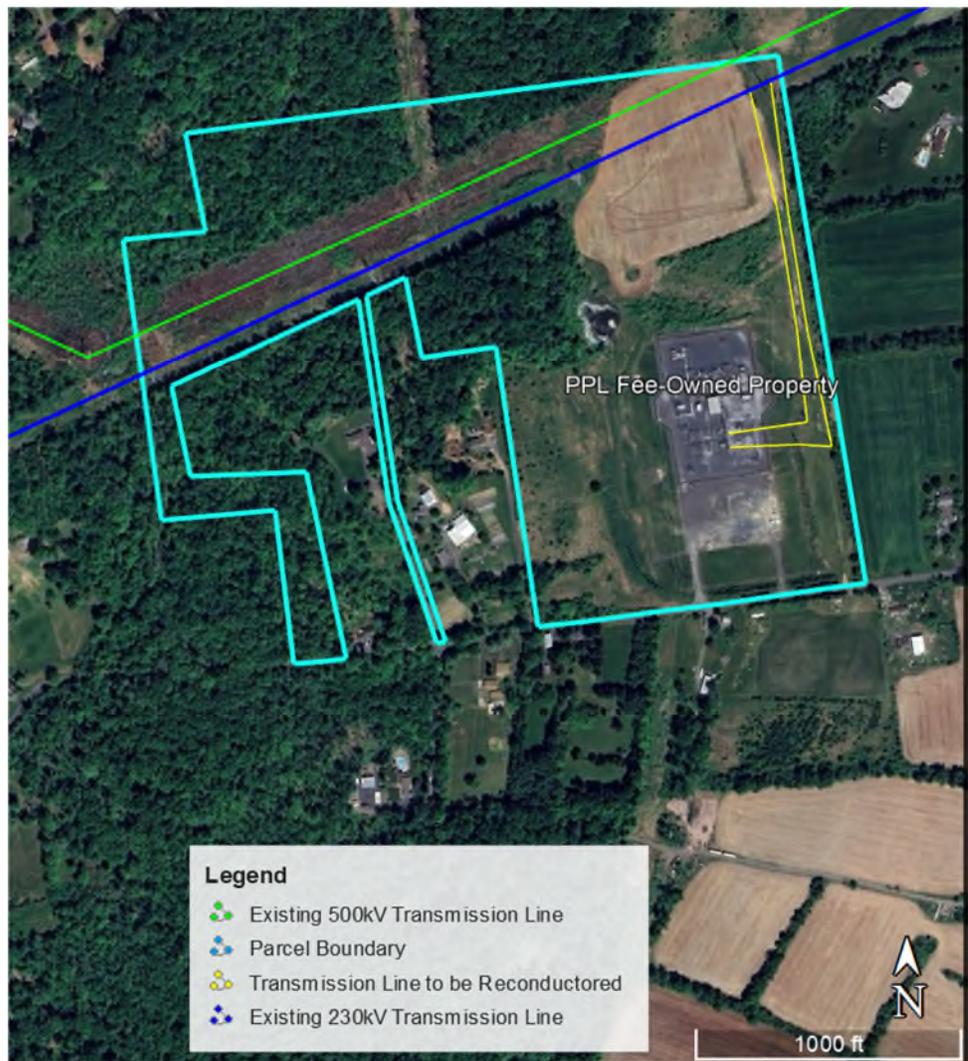
Existing limited by PPL Electric:  
Summer Normal Rating: 647 MVA  
Summer Emergency Rating: 801 MVA  
Winter Normal Rating: 746 MVA  
Winter Emergency Rating: 903 MVA

After project, limited by MAIT:  
Summer Normal Rating: 709 MVA  
Summer Emergency Rating: 869 MVA  
Winter Normal Rating: 805 MVA  
Winter Emergency Rating: 952 MVA

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TUS A-4 Reference the Letter of Notification, Paragraph 25. Please state the width of the existing right-of-way.

PPL Response The project is located entirely on PPL Electric fee-owned property ("Transmission Line Right-Of-Way"), the parcel width varies where the transmission line is located. See below:



## VERIFICATION

I, JOSEPH B. LOOKUP, being the Vice President of T&D 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: 06/24/2024

  
Joseph B. Lookup (Jun 24, 2024 10:43 EDT)

Joseph B. Lookup