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Garrett P. Lent

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717-612-6032 Direct  
717-731-1985 Direct Fax  
File #: 202493

November 7, 2023

***VIA CERTIFIED MAIL***

**Re: Application of PPL Electric Utilities Corporation filed Pursuant to 52 Pa. Code Chapter 57, Subchapter G, for Approval to Site and Construct a New Single-Circuit 115 kV Transmission Line Between the Williams Grove 230-69 kV Substation and the Allen 115-13 kV Substation Located in Cumberland County, Pennsylvania  
Docket No. A-2023-3044071**

Enclosed is a Notice of Filing advising that PPL Electric Utilities Corporation is filing the above-captioned Application, seeking the Pennsylvania Public Utility Commission's ("Commission") approval to site and construct the Williams Grove-Allen 115 kV Transmission Line in Cumberland County, Pennsylvania. This Notice of Filing is being served on you in accordance with Section 57.74(c) of the Commission's regulations.

Sincerely,



Garrett P. Lent

GPL/dmc  
Enclosures

cc: Certificate of Service

## CERTIFICATE OF SERVICE

I hereby certify that a true and correct copy of the foregoing has been served upon the following persons, in the manner indicated, in accordance with the requirements of 52 Pa. Code § 57.74(c).

### **VIA CERTIFIED MAIL: RETURN RECEIPT REQUESTED**

U.S. Army Corps of Engineers  
Baltimore District Regulatory Branch  
2 Hopkins Plaza  
Baltimore, Maryland 21201  
Attn: Planning Division

U.S. Fish and Wildlife Service  
Pennsylvania Field Office  
110 Radnor Road, Suite 101  
State College, Pennsylvania 16801  
Attn: Lesa Lindsay

Pennsylvania State Historic Preservation  
Office  
Historical and Museum Commission  
Commonwealth Keystone Building  
400 North Street, Second Floor  
Harrisburg, Pennsylvania 17120-0053  
Attn: Mr. Douglas C. McLearen, Chief

Pennsylvania Game Commission  
2001 Elmerton Avenue  
Harrisburg, Pennsylvania 17110-9797  
Attn: David J. Gustafson, Director, Bureau  
of Wildlife Habitat Management

Pennsylvania Fish and Boat Commission  
Center Region Office  
595 East Rolling Ridge Drive  
Bellefonte, Pennsylvania 16823-9620  
Attn: Christopher A. Urban, Chief, Natural  
Diversity Section

Pennsylvania Department of Conservation  
and Natural Resources  
Rachel Carson State Office Building  
400 Market Street  
Harrisburg, Pennsylvania 17105-8767  
Attn: Rebecca Bowen, Ecological Services  
Section Chief

Pennsylvania Department of Transportation  
Commonwealth Keystone Building  
400 North Street, Fifth Floor  
Harrisburg, Pennsylvania 17120  
Attn: Donald J. Smith, Acting Chief Counsel

Senator Mike Regan  
31st District  
1 East Harrisburg Street  
Dillsburg, PA 17019

State Representative Scott Perry  
10th District  
Cumberland County District Office  
730 North Front Street  
Wormleysburg, PA 17043

Bryan S. and Dwayne C. Lebo  
1714 Fisher Road  
Mechanicsburg, PA 17055-9601

Louise Mowery  
2040 Fisher Road  
Mechanicsburg, PA 17055-8006

Lamar D. and Marlene Rose Ruppert  
270 Stoner Road  
Mechanicsburg, PA 17055-9603

Michael E. and Loretta M. Berkheimer  
1321 W Lisburn Road  
Mechanicsburg, PA 17055-9741

Creedin S. and Joann Paulus  
41 Fisher Run Road  
Dillsburg, PA 17019-9555

Barbara H. Marbain Trust  
C/O Dana M. DeJarnett  
938 Hillcrest Drive  
Martinsburg, WV 25401-9222

Date: November 7, 2023



Garrett P. Lent

**BEFORE THE  
PENNSYLVANIA PUBLIC UTILITY COMMISSION**

Application of PPL Electric Utilities :  
Corporation filed Pursuant to 52 Pa. Code :  
Chapter 57, Subchapter G, for Approval to :       Docket No. A-2023-\_\_\_\_\_  
Site and Construct a New Single-Circuit 115 :  
kV Transmission Line Between the Williams :  
Grove 230-69 kV Substation and the Allen :  
115-13 kV Substation Located in Cumberland :  
County, Pennsylvania :

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**NOTICE OF FILING**

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The foregoing Application will be filed with the Pennsylvania Public Utility Commission (“Commission”) on or about November 3, 2023. The purpose of the Application is to seek Commission review and approval required for the siting and construction of the proposed single circuit 115 kilovolt (“kV”) Transmission Line between the Williams Grove 230-69 kV Substation and the Allen 115-13 kV substation Located in Cumberland County, Pennsylvania (the “Williams Grove-Allen 115 kV Transmission Line Project” or “Project”). Pursuant to 52 Pa. Code § 57.74(c), you are receiving this Notice because you are the specified official of a relevant agency, or because you are the record owner of property within the proposed right-of-way (“ROW”) for the Williams Grove-Allen 115 kV Transmission Line Project. You are not required to appear or participate in this matter, but you may request Commission permission to intervene.

**OVERVIEW OF THE PROJECT**

PPL Electric Utility Corporation’s (“PPL Electric” or “Company”) Williams Grove-Allen 115 kV Transmission Line Project consists of siting and constructing a new single-circuit 115 kV transmission line, which will connect the Williams Grove and Allen Substations. As explained in

the Application, its accompanying Attachments, and its accompanying Direct Testimony, the Williams Grove-Allen 115 kV Transmission Line Project is needed to resolve voltage magnitude and voltage drop violations for multiple N-1-1 contingencies, which violates Mid-Atlantic Interstate Transmission's ("MAIT") Transmission Owner Criteria and North American Electric Reliability Corporation Standard TPL-001-4. PPL Electric and PJM Interconnection, L.L.C. ("PJM") have determined that the new Williams Grove-Allen 115 kV Transmission Line is the optimal solution to address these reliability problems. Moreover, the preferred route for the Project is the most reasonable of the alternative routes considered and minimizes the effect of the transmission line on the natural and human environment, while avoiding unreasonable and circuitous routes, extreme costs, and non-standard design requirements.

The proposed Williams Grove-Allen 115 kV Transmission Line Project involves the construction of approximately 3.9 miles of new single-circuit 115 kV transmission line between the PPL Electric-owned Williams Grove Substation in Upper Allen Township and the MAIT-owned Allen Substation in Monroe Township, all in Cumberland County, Pennsylvania.

The proposed high voltage ("HV") transmission line will be installed primarily on new single-shaft steel poles. The proposed HV transmission line will require the installation of approximately 36 structures ranging in height from 40 to 95 feet, with an average height of approximately 77 feet. The spans between the structures will be approximately 600 feet. The Williams Grove-Allen 115 kV Transmission Line will consist of approximately 19 self-weathering tubular steel tangent structures and two pole "H" Frames where the proposed line will cross under an existing 500 kV line. These tangent structures will be equipped with steel arms and will be installed as direct embedded structures (i.e., without foundations). Three additional direct embedded single pole and two-pole angle tension steel structures will be guyed. There also will

be approximately 14 angle and tension structures, which will consist of single pole steel structures on concrete foundations. In agricultural areas, PPL Electric will avoid using guy wires to the greatest extent practical to minimize interference with existing and future farming and other agricultural operations.

Subject to the Commission's approval, the Project has a scheduled construction start date of Fall 2025 to meet an in-service date of Spring 2026. In order to facilitate PPL Electric's compliance with the requirement to complete the Project by June 1, 2026, PPL Electric is requesting that the Commission issue a final order in this matter by no later than the latest June 2024 public meeting date.

### **ROUTE FOR THE PROJECT**

The 3.9-mile Williams Grove-Allen 115 kV Transmission Line will require PPL Electric to site and construct a new transmission line in newly-acquired ROW. For this reason, PPL Electric initiated an Alternatives and Siting Analysis to facilitate the development of Alternative Routes, evaluate potential impacts associated with the Alternative Routes and, ultimately, identify a Preferred Route for the Project. PPL Electric utilized the Alternatives and Siting Analysis to determine the most reasonable route for a new 115 kV transmission line to connect the existing Williams Grove Substation and the existing Allen Substation, located in Cumberland County. The goal of this analysis was for the Company to gain a detailed understanding of the opportunities and constraints in the Project's "Study Area" to facilitate the development of "Potential Routes," evaluate potential impacts associated with each route, and select a "Preferred Route" from one or more "Alternative Routes."

PPL Electric identified a Study Area for the proposed Project that encompassed a 3,340-acre (5.2-square mile) area extending south from Mechanicsburg along Brindle Road and west

from Shepherdstown along Stumpstown Road and Williams Grove Road. The Study Area encompassed the two final end points (i.e., the existing Williams Grove Substation to the northeast and the existing Allen Substation to the southwest) that the rebuilt line must serve. A detailed description and map of the Study Area for this Project are provided in Figure 4-1 to Attachment 4 to the Application.

The required ROW width for the single-circuit 115 kV line is 100 feet, which would be primarily composed of easements across private land. The ROW would be cleared to its full width of tall growing vegetation for the safe and reliable operation of the transmission line. Farming and grazing land uses are typically compatible and can continue under the transmission line. The proposed single-circuit design will consist of single-shaft steel poles equipped with steel conductor support arms. Angle structures, where required, will consist of foundation and/or guyed steel structures. Altogether, this Project requires the installation of approximately 36 structures with an average height of approximately 77 feet. The average span lengths will be approximately 600 feet.

Ultimately, the proposed route for the Williams Grove-Allen 115 kV Transmission Line is approximately 3.9 miles long and located within Upper Allen and Monroe Townships, Cumberland County. It exits the existing Williams Grove Substation to the west and north, following the edge of the substation on PPL Electric property north for approximately 0.1 miles, then turning west to parallel parcel boundaries for 0.4 miles. The route continues straight west across an agricultural field for an additional 0.3 miles and crosses Williams Grove Road. The proposed route then turns generally south, paralleling the west side of Williams Grove Road for 0.5 miles, although the route is offset slightly farther from the road than required by its 100-foot ROW to maintain clearances from distribution lines also placed along the road.

To avoid crossing a residential parcel, the proposed route turns west along the edge of an agricultural parcel for 0.3 miles, where it crosses the abandoned Cumberland Valley Railroad ROW. The proposed route then turns southward to parallel the west side of the abandoned railroad ROW for 0.8 miles. Immediately north of Williams Grove Park, the proposed route diverts away from the railroad ROW, turning west along the northern edge of the park and following the north side of Baish Road for 0.3 miles. From here, the proposed route crosses Baish Road and turns southwest towards the Allen Substation. Of the final 1.0 mile of the proposed route, 0.8 miles are located either parallel to a parcel boundary or on the Allen Substation parcel owned by MAIT.

The cumulative environmental, engineering and constructability, and social and financial impacts associated with constructing the Williams Grove-Allen 115 kV Line are more favorable when compared to other alternatives that PPL Electric evaluated.

### **MAP**

Enclosed are maps showing the route for the Williams Grove-Allen 115 kV Transmission Line Project across all affected properties. The tract of land you own is identified on the applicable map.

### **EXAMINATION**

A copy of the Application is available for examination during ordinary business hours at the following location:

Upper Allen Township  
100 Gettysburg Pike  
Mechanicsburg, PA 17055

Monroe Township  
1220 Boiling Springs Road  
Mechanicsburg, PA 17055

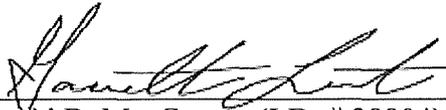
## **PARTICIPATION**

You are not required to appear or participate in this matter, but you may request Commission permission to intervene. To intervene as a formal party to this proceeding, you should file a petition to intervene with the Secretary of the Pennsylvania Public Utility Commission at P.O. Box 3265 Harrisburg, Pennsylvania 17105-3265. The petition to intervene should state your alleged right or interest to participate in the formal proceeding, the grounds of the proposed intervention, and your position regarding the issues in the formal proceeding. A copy of the petition to intervene should be served on the undersigned counsel for PPL Electric.

In the event you have any questions concerning the proposed Williams Grove-Allen 115 kV Transmission Line Project but do not wish to participate as a formal party to the proceeding, you should contact either Michael Shafer at (610) 774-2599 or Garrett P. Lent, legal counsel for PPL Electric, at (717) 612-6032.

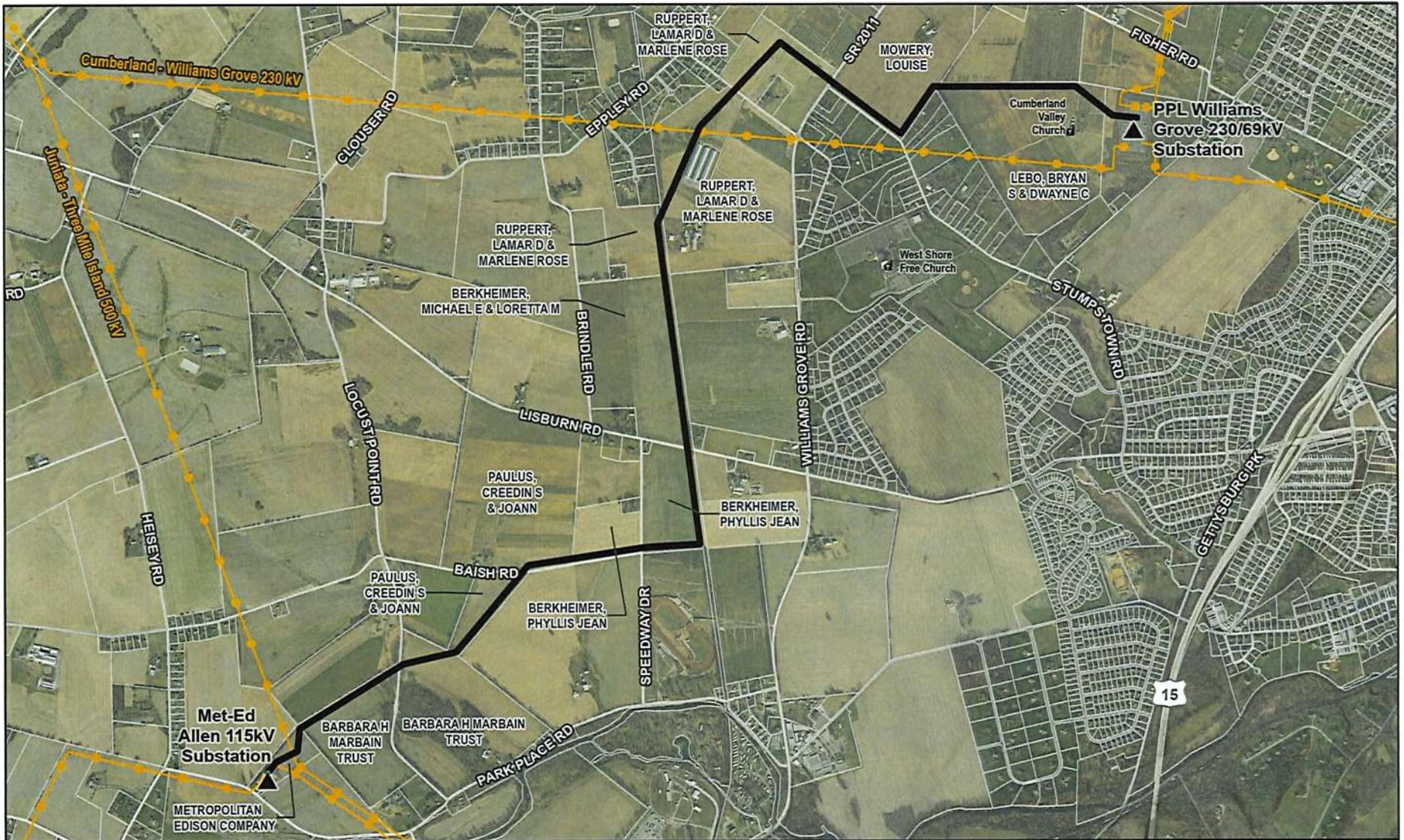
Respectfully submitted,

Michael J. Shafer (I.D. # 205681)  
PPL Services Corporation  
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Date: November 3, 2023

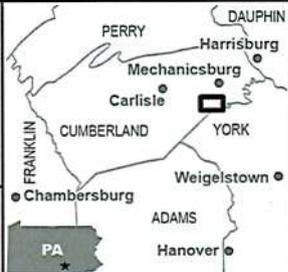
Attorneys for PPL Electric Utilities Corporation



- ▲ Substation
- Final Proposed Route
- - - Existing Transmission Line
- Parcel Boundary

Sources:  
 PEMA Imagery (2021)  
 Cumberland Co. Parcels (2022)  
 Roads, Townships (PASDA 2019)  
 Pipeline (NPMS 2022)

Coordinate System:  
 State Plane PA South  
 Datum: North American 1983



**Final Proposed Route**  
 Williams Grove - Allen 115 kV  
 Transmission Line Project

