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File #: 2507/149480

October 7, 2011

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: Re: Letter Of Notification Of PPL Electric Utilities Corporation, Filed Pursuant To 52 Pa. Code, Chapter 57, Subchapter G, With Respect To The East Petersburg #1 and #2 138 kV Tap Line and the Park City #1 and #2 138 kV Tap Line in East Hempfield and Manheim Townships, Lancaster County, Pennsylvania; Docket No. A-2011-

Dear Secretary Chiavetta:

Enclosed, for filing, are an original and six (6) copies of the Letter of Notification of PPL Electric Utilities Corporation, together with seven (7) copies of the accompanying exhibits and appendices which are contained in a separately-bound volume. Also enclosed is a CD containing copies of the exhibits and appendices.

As indicated on the enclosed certificate of service, copies of the Letter of Notification and accompanying exhibits and appendices are being served by certified mail, return receipt requested upon the involved governmental agencies and municipalities. If there are any questions concerning this matter, please contact me at the addresses or telephone numbers provided above.

Respectfully Submitted,

Jessica R. Rogers

JRR/kmg

Enclosures

cc: Certificate of Service

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ALLENTOWN HARRISBURG LANCASTER PHILADELPHIA PITTSBURGH PRINCETON WASHINGTON, D.C.

A PENNSYLVANIA PROFESSIONAL CORPORATION

**BEFORE THE
PENNSYLVANIA PUBLIC UTILITY COMMISSION**

Re: Letter Of Notification Of PPL Electric :
Utilities Corporation, Filed Pursuant To 52 :
Pa. Code, Chapter 57, Subchapter G, With : Docket No. A-2011-_____
Respect To The East Petersburg #1 and #2 :
138 kV Tap Line and the Park City #1 and :
#2 138 kV Tap Line in East Hempfield and :
Manheim Townships, Lancaster County, :
Pennsylvania

LETTER OF NOTIFICATION

TO THE PENNSYLVANIA PUBLIC UTILITY COMMISSION:

PPL Electric Utilities Corporation (“PPL Electric” or the “Company”), hereby files, pursuant to 52 Pa. Code §57.72(d), this Letter of Notification to request that the Pennsylvania Public Utility Commission (“Commission”) approve upgrades to the East Petersburg #1 and #2 69 kV Tap Line (“East Petersburg Tap Line”) and the increase in operating voltage of the East Petersburg Tap Line and the Park City #1 and #2 69 kV Tap Line (“Park City Tap Line”) to 138 kV operation. These activities will be conducted in East Hempfield and Manheim Townships, Lancaster County, Pennsylvania. Neither the Township nor the County has any objection to the proposed construction. In support thereof, PPL Electric states as follows:

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I. INTRODUCTION

1. This Letter of Notification is filed by PPL Electric, a public utility that provides electric distribution, transmission, and provider of last resort services in Pennsylvania subject to the regulatory jurisdiction of the Commission.

2. PPL Electric's address is:

Two North Ninth Street
Allentown, Pennsylvania 18101

3. PPL Electric's attorneys are:

David B. MacGregor (Pa. Bar I.D. #28804)
Post & Schell, P.C.
Four Penn Center
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E-mail: perussell@pplweb.com

PPL Electric's attorneys are authorized to receive all notices and communications regarding this Letter of Notification.

4. PPL Electric furnishes electric service to approximately 1.4 million customers throughout its certificated service territory, which includes all or portions of twenty-nine counties and encompasses approximately 10,000 square miles in eastern and central Pennsylvania. PPL Electric is a “public utility” and an “electric distribution company” as defined in Sections 102 and 2803 of the Pennsylvania Public Utility Code, 66 Pa. C.S. §§ 102, 2803.

5. PPL Electric owns approximately 5,000 miles of transmission lines operating at 69 kV (kilovolts) or higher, approximately 330 substations with a capacity of 10 MVA (megavolt amperes) or more, and approximately 43,000 miles of distribution lines operating at less than 69 kV.

6. This Letter of Notification includes the following accompanying attachments:

- Attachment 1 Necessity Statement.
- Attachment 2 Engineering Description.
- Attachment 3 Environmental Assessment.
- Attachment 4 PPL Electric Design Criteria and Safety Practices.
- Attachment 5 PPL Electric Field Management Program.
- Attachment 6 List of Owners of Property within the Right-of-Way.
- Attachment 7 List of Involved Governmental Agencies, Municipalities, and Other Public Entities.

II. PROCEDURAL HISTORY

7. PPL Electric is in the fourth phase of a multi-phase Project that will improve the reliability of service and operating flexibility of its system in Lancaster County. The Project will convert the operating voltage of the core power system in Lancaster County from 69 kV to 138 kV.

8. The first phase of the 138 kV conversion was the subject of *Letter of Notification of PPL Electric Utilities Corporation filed pursuant to 52 Pa. Code Chapter 57.72 with respect to the West Hempfield-Dillerville #1 and #2 138 kV Tie and the Dillerville #1 and #2 138/69 kV Taps in the City of Lancaster, Lancaster County, PA*, which was approved by the Commission on June 25, 2009, at Docket No. A-2009-2100767. In the first phase of the 138 kV conversion plan, the distribution supply substation at Dillerville was converted from a 69-12 kV facility to a 138-12 kV facility. In addition, new 138 kV ties were created between the Dillerville Taps and the West Hempfield – Prince #1 and #2 138 kV Transmission Line. The load normally served by the Dillerville 138-12 kV Substation was temporarily transferred to the West Hempfield – Dillerville #1 and #2 138 kV Tie Line, which is supplied from the West Hempfield 230-138 kV Substation via the West Hempfield – Prince #1 and #2 138 kV Transmission Line. These system modifications have been completed, and the facilities are in service.

9. The second phase of the 138 kV conversion was approved by the Commission in *Letter of Notification of PPL Electric Utilities Corporation, filed pursuant to 52 Pa. Code Chapter 57.72, with respect to the Roseville 138/69 kV Tap in Manheim Township, Lancaster County, PA*, at Docket No. A-2010-2156418, on April 15, 2010. In the second phase of the 138 kV conversion plan, the existing Roseville 138/69 kV Tap and the Neffsville #1 and #2 69 kV Taps were upgraded for 138 kV operation. The Roseville and Neffsville #1 and #2 Taps remain energized at 69 kV, but will be transferred to the 138 kV system when the third phase of the 138 kV conversion plan has been completed. The second phase of the conversion to 138 kV operation has been completed, and the facilities are in service.

10. The third phase of the conversion is currently pending before the Commission at *Letter Of Notification Of PPL Electric Utilities Corporation, Filed Pursuant To 52 Pa. Code*

Chapter 57 Subchapter G, With Respect To The South Akron - Dillerville #1 and #2 138 kV Transmission Line in East Hempfield, Manheim, Warwick and West Earl Townships, and the City of Lancaster, Lancaster County, Pennsylvania, at Docket No. A-2011-2248985, filed June 27, 2011. In the third phase of the Project, the load that had been temporarily transferred to the West Hempfield – Prince #1 and #2 Transmission Line and supplied by the Dillerville 138-12 kV Substation will be transferred back to the South Akron – Dillerville #1 and #2 138 kV Transmission Line and supplied from the 138 kV yard at the South Akron 230-138-69 kV Substation. This final arrangement cannot be achieved until the third phase of the Project has been completed, and the South Akron – Dillerville #1 and #2 Transmission Lines have been reconfigured to support 138 kV operation.

11. In the fourth phase of the Project, which is the subject of this LON application, two tap lines, the East Petersburg Tap Line and the Park City Tap Line, which are supplied by what will become the South Akron – Dillerville #1 and #2 Transmission Line, will have their operating voltage increased from 69 kV to 138 kV. In order to increase the operating voltage on the East Petersburg Tap Line, the line must be reinsulated to accommodate the conversion. The Park City Tap Line does not require any physical transmission line work to have the operating voltage increased to 138 kV. However, because the line was built prior to the adoption of the Commission’s Regulations at 52 Pa. Code §§ 57.71 through 57.77, PPL Electric has never received Commission approval to operate the line at 138 kV. PPL Electric is therefore requesting such approval at this time.

III. PROPOSED CONFIGURATION

12. This Letter of Notification addresses the fourth phase of the Project that will convert Lancaster County’s system from 69 kV to 138 kV operation. This fourth phase has two

parts. The first part will reinsulate the approximately 520 foot long East Petersburg Tap Line, so that it can be converted from 69 kV operation to 138 kV operation. The second portion of the project will convert the approximately 120 foot long Park City Tap Line from 69 kV operation to 138 kV operation. No physical transmission line work is required on the Park City Tap Line. PPL Electric is proposing this Project to help it meet the increasing demand for electricity in the Lancaster area. Converting the transmission system from 69 kV operation to 138 kV operation is PPL Electric's long-term plan for providing reliable service to the heavily-loaded core service area of Lancaster County.

13. The first portion of the proposed phase involves the reinsulation of an existing 69 kV line in its current location in a right-of-way already developed and maintained by PPL Electric. The second portion of the proposed phase involves no physical transmission line work. Due to PPL Electric's use of existing transmission right-of-way, lines and equipment, the Company anticipates that the incremental impacts of its activities will be minimal.

14. Aerial plot plans are provided at the end of Attachment 2 of this Letter of Notification. The plot plan depicts the location of the facilities involved in this phase of the Project.

15. This phase is part of an integrated Project which is required to resolve violations of PPL Electric's Reliability Principles and Practices ("RP&P"). PPL Electric relies on the standards set forth in the RP&P for guidance in determining when it is appropriate to reinforce its transmission and distribution systems. The project will increase reliability of service and improve operating flexibility in the core of the Lancaster region. The Project also will help to meet the increasing demand for electrical power in the area.

16. The East Petersburg Tap Line and the Park City Tap Line are supplied by what will become the South Akron – Dillerville #1 and #2 138 kV Line.¹ The East Petersburg Tap Line was constructed to support only 69 kV operation and must be reinsulated in order to support 138 kV operation. The Park City Tap Line was initially constructed to support 69 kV or 138 kV operation, but has never been operated above 69 kV. Figure 1 to Attachment 1 of this Letter of Notification provides a one-line diagram of the existing transmission system configuration.

17. The East Petersburg Tap Line supplies the East Petersburg 69-12 kV Substation. The Park City Tap Line supplies a single large transmission customer. In total, approximately 5,050 customers are supplied by the transmission facilities that are the subject of this filing.

18. PPL Electric is in the midst of upgrading the core electric transmission system in Lancaster County from 69 kV to 138 kV. This voltage increase will occur on the transmission lines that are currently serving the East Petersburg and Park City Taps. Electric lines which carry different voltage levels cannot be directly connected to each other. Therefore, the East Petersburg and Park City Taps must be converted to 138 kV operation as part of the overall conversion plan to remain connected in their current configuration. If the East Petersburg and Park City Taps are not upgraded as part of the overall conversion project, then new 69 kV lines would need to be constructed from the existing Substations to other existing 69 kV lines in the area. This alternative is not economical.

19. The East Petersburg Tap Line was constructed and insulated for 69 kV operation only. The current insulation does not meet PPL Electric's 138 kV design specifications. The Tap Line needs to be upgraded to PPL Electric's current 138 kV design specifications prior to

¹ As part of phase three of the Project, the South Akron – South Manheim #1 and #2 69 kV Line and the Dillerville #1 and #2 69 kV Taps will be converted to 138 kV operation and will be renamed the South Akron – Dillerville #1 and #2 138 kV Line. Phase three is pending before the Commission at this time.

the conversion from 69 kV to 138 kV operating voltage. The existing arms and insulators will be removed and new horizontal line post insulators will be installed to achieve PPL Electric's current 138 kV design standards. No new structures will be required. The Tap Line cannot be operated at 138 kV without being upgraded.

20. The proposed voltage increase on the East Petersburg Tap Line will not require new conductions. The six existing conductors, which are 556.5 kcmil,² 24/7 stranding, ACSR³ power conductors and the 3/8 inch steel overhead ground wire will remain in place.

21. No physical transmission line work is required to increase the voltage of the Park City Tap Line. The line was constructed in the 1970's, prior to the adoption by the Commission of regulations requiring prior approval of certain high voltage transmission line construction effective May 20, 1978. 8 Pa. Bulletin 1403 (May 19, 1978).

22. Figure 2 to Attachment 1 of this Letter of Notification provides a one-line diagram showing the proposed transmission system configuration.

23. All portions of this project will be designed to comply with the applicable standards in the National Electric Safety Codes ("NESC").

24. The total estimated cost to implement the proposed phase of the Project is \$1.05 million. This amount includes \$1.03 million for the substation modifications, and \$20,000 for work on the transmission lines.

25. Construction of this phase of the Project is scheduled to begin in August 2012 to meet the project's in-service date of November 2013.

26. The proposed modifications to the East Petersburg Tap Line will be completed entirely within pre-existing right-of-way maintained by PPL Electric and on property owned in

² Kcmil wire size is the equivalent cross sectional area in thousands of circular mils. A circular mil is the area of a circle with a diameter of one thousandth (0.001) of an inch.

³ Aluminum conductor steel reinforced.

fee by PPL Electric. No modifications are required to increase the operating voltage of the Park City Tap Line. No additional right-of-way is required for either portion of this phase of the Project.

27. PPL Electric has already sought and received approval for two prior phases of the Project to convert the transmission system serving Lancaster County from 69 kV to 138 kV operation, which were described above. PPL Electric has applied for approval of the third phase of the Project, and will apply to the Commission for appropriate approvals prior to commencement of the remainder of its other planned phases of the voltage upgrade Project in the Lancaster service area.

IV. LETTER OF NOTIFICATION

28. Accompanying this Letter of Notification is a separately bound volume containing Attachments 1-7, which provide additional information about the proposed upgrade to the East Petersburg Tap Line and the conversion of the Park City Tap Line. This Letter of Notification and accompanying Attachments, which are incorporated herein by reference, contain all of the information required by 52 Pa. Code § 57.72(d)(4).

29. PPL Electric is proceeding by means of a Letter of Notification, instead of a full Application, pursuant to the Commission's regulations at 52 Pa. Code § 57.72(d). The proposed modifications to the East Petersburg Tap Line and the Park City Tap Line qualify for the use of a Letter of Notification because this phase of the Project will take place entirely within an existing right of way, does not substantially alter the preexisting right-of-way and is less than two miles in length.

30. The Necessity Statement for the proposed East Petersburg Tap Line and Park City Tap Line is provided as Attachment 1 accompanying this Letter of Notification. As explained

there, the purpose of the proposed project is to improve the reliability of service to the Lancaster County area and improve operating flexibility by transitioning the East Petersburg Tap Line and the Park City Tap Line, in concert with construction on other portions of PPL Electric's transmission system in the region, from 69 kV to 138 kV operating voltage.

31. In determining the need for this phase of the Project, PPL Electric did not consider any additional alternatives. PPL Electric is undertaking this project as part of a series of phases of an overall voltage conversion Project to address the increasing electric consumption in Lancaster County. Two phases of the Project have already been approved by the Commission and implemented by PPL Electric. Phase three of the Project is pending before the Commission. If it is approved, then this phase represents the next step in the overall plan to operate PPL Electric's transmission system in Lancaster County at 138 kV. There are no other economical or practical means to increase the operating voltage of the transmission system in the region. Therefore, no additional functional alternatives were evaluated.

32. The proposed construction will not create any unreasonable risk of danger to public health or safety. The facilities will be designed, constructed, operated, and maintained in a manner that meets all applicable NESC standards and legal requirements. Descriptions of NESC standards, PPL Electric's design criteria, and PPL Electric's safety practices are provided in Attachment 4.

33. The Engineering Description of the proposed construction is provided in Attachment 2 accompanying this Letter of Notification.

34. The East Petersburg Tap Line and the Park City Tap Line will be located in part on property owned in fee by PPL Electric, and in part on a pre-existing right-of-way. The areas are already cleared of trees and contain access roads.

35. No communication towers, pipelines, or other utilities will be affected by the proposed upgrades. The closest point of the Lancaster Airport is approximately 2.9 miles from the project area. PPL Electric will contact the PennDOT Bureau of Aviation and the Federal Aviation Administration to ensure that the proposed phase of the Project will not be a hazard to flight operations. The Company does not anticipate any interference because the existing facilities are being reconfigured in place and heights of structures will not increase. Existing facilities have not interfered with the operations of the airport.

36. The proposed construction was reviewed with the Pennsylvania Historical and Museum Commission (“PHMC”). The PHMC has determined that no impacts to National Register eligible or listed historic or archaeological properties are anticipated, and no further investigations are required.⁴

37. The proposed construction will not affect any unique geological, scenic, or natural areas. No tree clearing is required for the proposed phase of the Project.

38. PPL Electric will obtain all permits necessary from the Pennsylvania Department of Environmental Protection and the United States Army Corps of Engineers and will comply with all conditions placed on the permits. In addition, PPL Electric will acquire any required soil erosion and sedimentation control permits and will comply with all conditions imposed by such permits.

39. PPL Electric has consulted with state and federal agencies to obtain information regarding endangered and threatened species in close proximity to the proposed construction. A review of the Pennsylvania Natural Diversity Inventory (“PNDI”) records indicated that there are

⁴ File Number ER 2011-1948-071-A.

no potential impacts for species of special concern and resources within, or in close proximity to, the impacted area.⁵

40. The proposed construction was reviewed with representatives of East Hempfield and Manheim Townships, and Lancaster County, and none of the representatives had any objection.

41. Attachment 5 accompanying this Letter of Notification explains PPL Electric's standards for Magnetic and Field Management.

42. Attachment 6 accompanying this Letter of Notification contains a list of the owners of property within the right of way. Copies of this Letter of Notification are being served on the owners of properties listed in Attachment 6 in accordance with 52 Pa. Code § 57.72(d)(3).

43. Attachment 7 accompanying this Letter of Notification contains a list of the involved governmental agencies, municipalities, and other public entities. Copies of this Letter of Notification are being served on the agencies listed in Attachment 7 in accordance with 52 Pa. Code § 57.72(d)(3).

44. As soon as practicable after the filing of this Letter of Notification and the assignment by the Commission of a docket number, PPL Electric will publish notice of the filing in newspapers of general circulation in the area of the proposed construction. Such notice will contain: (a) the date this Letter of Notification was filed with the Commission; (b) a brief description of the proposed construction and its location; and (c) an instruction that the interested parties should contact the Commission at its Harrisburg address.

⁵ PNDI Search ID 20110628304393 and 20110628304394.

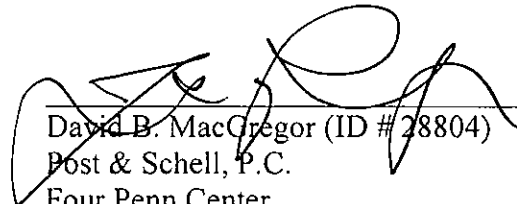
This Letter of Notification is filed on the date set forth below. As provided in 52 Pa. Code § 57.72(d)(5), the Commission will review and, by order, approve or disapprove this Letter of Notification. If the Commission approves this Letter of Notification, the East Petersburg Tap Line and Park City Tap Line will be constructed as proposed herein without the formal application process set forth at 52 Pa. Code §§ 57.71, *et seq.*

V. CONCLUSION

WHEREFORE, PPL Electric Utilities Corporation respectfully requests that the Pennsylvania Public Utility Commission approve the reinsulation of the East Petersburg Tap Line, and the increase in operating voltage from 69 kV to 138 kV on the East Petersburg Tap Line and the Park City Tap Line in East Hempfield and Manheim Townships, Lancaster County, Pennsylvania, that is explained above and in the Attachments hereto.

Respectfully submitted,

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Date: 10/7/2011

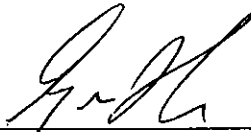
Attorneys for PPL Electric Utilities Corporation

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VERIFICATION

I, Gregory N. Dudkin, being the Senior Vice President of Operations of 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 that 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: 10/6/11



Gregory N. Dudkin

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CERTIFICATE OF SERVICE
Docket No. A-2011-_____

I hereby certify that a true and correct copy of the foregoing Letter of Notification has been served upon the following persons, in the manner indicated, in accordance with the requirements of 52 Pa. Code § 1.54 (relating to service by a party).

VIA CERTIFIED MAIL RETURN RECEIPT REQUESTED

Park City Center Business Trust
110 North Wacher Drive
Chicago, IL 60606

Randy T. and Michelle L. Swanger
5023 Martin Drive
East Petersburg, PA 17520

Pennsylvania Historical and
Museum Commission
Bureau for Historic Preservation
Commonwealth Keystone Building
Second Floor
400 North Street
Harrisburg, PA 17120-0053
Attn: Mr. Douglas C. McLearn, Chief

Pennsylvania Department of Transportation
Commonwealth Keystone Building
400 North Street, 8th Floor
Harrisburg, PA 17120
Attn: The Honorable Allen D. Biehler, P.E.,
Secretary

Department of Environmental Protection
P.O. Box 2063
Market Street State Office Building
Harrisburg, PA 17105-2063
Attn: Office of Field Operations

Lancaster County Planning Commission
150 North Queen Street, Suite 320
Lancaster, PA 17603
Attn: James Cowhey, Executive Director

Lancaster County Board of Commissioners
150 North Queen Street, Suite 715
Lancaster, PA 17603
Attn: Dennis Stuckey, Chairman

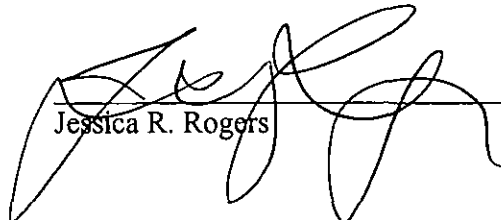
Manheim Township Planning Commission
1840 Municipal Drive
Lancaster, PA 17601
Attn: Jeffrey Sturla, Chairperson

Manheim Township Board of Commissioners
1840 Municipal Drive
Lancaster, PA 17601
Attn: Lawrence Downing, President

East Hempfield Township
Planning Commission
1700 Nissley Road
P.O. Box 128
Landisville, PA 17538
Attn: F. James Fullerton, Chairperson

East Hempfield Township Board
of Supervisors
1700 Nissley Road
P.O. Box 128
Landisville, PA 17538
Attn: Brett Miller, Chairperson

Date: October 7, 2011



Jessica R. Rogers

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