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SECRETARY'S BUREAU

April 29, 2011

BY HAND

Rosemary Chiavetta, Secretary
Pennsylvania Public Utility Commission
Commonwealth Keystone Building
400 North Street, 2nd Floor North
P.O. Box 3265
Harrisburg, PA 17105-3265

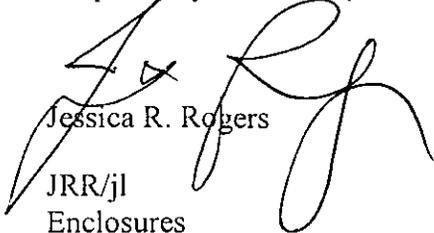
**RE: Letter of Notification of PPL Electric Utilities Corporation, Filed Pursuant to 52 Pa. Code Chapter 57, Subchapter G, With Respect To The Elroy #2 500 kV Tie Line Located in Hatfield Township, Montgomery County, Pennsylvania
Docket No. A-2011-**

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 attachments which are contained in a separately-bound volume in the above-referenced proceeding. Also enclosed is a CD containing copies of the attachments.

As indicated on the 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 property owners and the involved governmental agencies and municipalities. If you have any questions concerning this matter, please contact me at the address or telephone numbers provided above.

Respectfully Submitted,


Jessica R. Rogers
JRR/jl
Enclosures

April 29, 2011
Page 2

cc: Robert F. Young
Paul T. Diskin
Nicholas Okoro

**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 :
Respect To The Elroy #2 500 kV Tie Line :
Located In Hatfield Township, :
Montgomery County, Pennsylvania :

Docket No. A-2011-_____

**LETTER OF NOTIFICATION REQUESTING APPROVAL FOR THE SITING AND
CONSTRUCTION OF THE ELROY #2 500 kV TIE LINE**

TO THE PENNSYLVANIA PUBLIC UTILITY COMMISSION:

PPL Electric Utilities Corporation (“PPL Electric”), hereby files, pursuant to 52 Pa. Code §57.72(d), this Letter of Notification to request that the Pennsylvania Public Utility Commission (“Commission”) approve the siting and construction of the Elroy #2 500 kV Tie Line. The project, which will consist of approximately 215 feet of new 500 kV transmission line, will transmit electricity from PECO Electric Company’s (“PECO”) Elroy 500 kV Switchyard to PPL Electric’s 500-138-69 kV Substation in Hatfield Township, Montgomery County, Pennsylvania. In support thereof, PPL Electric states as follows:

I. INTRODUCTION AND OVERVIEW

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:

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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 375 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 Magnetic 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.

7. PPL Electric proposes to design and construct the Elroy #2 500 kV Tie Line in Hatfield Township, Montgomery County, Pennsylvania. The proposed tie line will supply power to the Elroy 500 – 138 – 69 kV Substation, by connecting the substation to the PECO Elroy 500 kV Switchyard. The tie line will be approximately 215 feet long, and will be constructed for and operated at 500 kV.

8. The proposed Elroy #2 500 kV Tie Line will be located entirely on property that is owned in fee by PPL Electric or by PECO. The tie line will be adjacent to the existing single-circuit Elroy #1 500 kV tie line, and will run between fenced portions of the PECO Switchyard and the PPL Electric Substation. PPL Electric anticipates that the incremental visual impacts of the Project will be minimal.

9. The estimated cost to design and construct the transmission line is \$2 million. Construction is scheduled to begin in February 2012, in order to meet a March 2013 in-service date.

10. This project will be constructed at the same time as the new Elroy – Hatfield Transmission Line. A Letter of Notification for the proposed transmission line is being submitted concurrently with this submission. Although the two projects both involve the PPL Electric 500-138-69 kV Elroy Substation, they have different purposes. The purpose of the 500 kV Elroy Tie Line is to supply an additional transformer at the 500-138-69 kV Elroy Substation in order to relieve load on the transformers presently in service at the substation. The purpose of the Elroy – Hatfield Transmission Line is to relieve load on the 138/69 kV transmission lines in the area.

II. PROJECT SUMMARY

11. The proposed Elroy #2 500 kV Tie Line will be located in Hatfield Township, Montgomery County, Pennsylvania. An aerial plot plan is provided in the map pocket of Attachment 2 of this Letter of Notification. The plot plan depicts the location of the existing and proposed facilities.

12. The proposed Elroy #2 500 kV Tie Line will involve the construction of 215 feet of 500 kV transmission line from the PECO Elroy 500 kV Switchyard to the Elroy 500-138-69 kV Substation. The purpose of the proposed tie line is to provide a second connection and source of power to the Elroy 500-138-69 kV Substation.

13. PPL Electric's Elroy Substation is presently supplied by the Elroy #1 500 kV tie line and feeds two 69 kV lines, the Buxmont - Elroy #1 & #2 69 kV Lines. These lines serve approximately 18,000 customers in Hatfield and Lansdale Boroughs, and Hatfield, Franconia,

and West Rockhill Townships. PPL Electric's Buxmont Substation has two 230-69 kV transformers which feed six 69 kV Lines. Two of those lines, the Buxmont - Hatfield #3 & #4 69 kV Lines, serve approximately 15,000 customers in Sellersville Borough and Hilltown, West Rockhill, Franconia, and Hatfield Townships.

14. PPL Electric has adopted its Reliability Principles and Practices ("RP&P") in order to guide its planning processes and to establish standards for its transmission and distribution systems which will enable it to provide safe and reliable service at a reasonable cost. 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.

15. The 138-69 kV transformer at the Elroy 500-138-69 kV substation requires reinforcement in order to comply with the RP&P. By the summer of 2013, during peak load periods, loading on the Elroy 138-69 kV regional substation transformer will be at 101% of its normal rating and 97% of its one-month rating if there is a loss of the Hosensack - Buxmont 230 kV transmission line and 230-69 kV Transformer #2 at the Buxmont Substation. Approximately 18,000 customers served from the Elroy Substation in Bucks and Montgomery Counties would be affected by a failure of this transformer.

16. To relieve the transformer limitation, PPL Electric will install a second 500-138 kV transformer, and a second 138-69 kV transformer in series to increase transformer capacity at the Elroy Substation. These transformers will supply the proposed Elroy - Hatfield #1 & #2 138/69 kV Transmission Line, which will provide additional reliability and transfer capacity in the area. The proposed Elroy #2 500 kV Tie Line is required to supply the new 500-138-69 kV substation.

17. The proposed Elroy #2 500 kV Tie Line will have a single 500 kV circuit on two dead end structures. The dead end structures will be approximately 65 feet tall, and will be located within the fenced areas of the PECO Switchyard and the PPL Electric Substation.

18. Figure 1 to Attachment 1 of this Letter of Notification provides a one-line diagram of the existing and proposed systems.

19. The proposed tie line will consist of three power conductors and one overhead ground wire. Each conductor will consist of two 2493 kcmil,¹ 54/37 stranding ACAR² double-bundled conductors, and two 0.752" optical ground wire ("OPGW") with 48 single mode fibers. The overhead ground wire will provide lightning protection for the proposed transmission line.

20. PPL Electric will also undertake certain modifications at the substation site that are necessary to accommodate the proposed 500 kV tie line. These include the installation of a 138-69 kV transformer and associated switches, breakers and a bus line. The 500-138 kV transformer was previously installed at the site, and is currently used as a backup on an as-needed basis.

21. The Elroy #2 500 kV Tie Line will be designed to comply with, and will generally surpass, the applicable minimum standards in the National Electrical Safety Code ("NESC").

22. The total estimated cost to design and construct the proposed project is \$2 million.

23. Construction is scheduled to begin in February 2012 in order to meet the in-service date of March 2013.

24. The proposed Elroy #2 500 kV Tie Line will be constructed entirely on property owned in fee by PPL Electric or PECO. No additional rights-of-way are required.

¹ A kcmil is a thousand circular mils. A circular mil is the cross-sectional area of a wire one mil in diameter, where 1 kcmil = 0.5067 mm².

² Aluminum conductor aluminum reinforced.

25. Because the proposed Elroy #2 500 kV Tie Line will be constructed entirely within property currently cleared and used for electric facilities, and which already contains a single circuit 500 kV transmission line, PPL Electric anticipates that the proposed construction will have minimal incremental impacts on the area.

26. Accompanying this Letter of Notification is a separately bound volume containing Attachments 1-7, which provide additional information about the proposed Elroy #2 500 kV Tie Line. This Letter of Notification and accompanying Attachments, which are incorporated herein by reference, contain all the information required by 52 Pa. Code § 57.72(d)(4).

III. LETTER OF NOTIFICATION

27. 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 Elroy #2 500 kV Tie Line qualifies for use of a Letter of Notification under 52 Pa. Code § 57.72(d)(1)(i) because the tie line will be less than two miles in length.

28. The Necessity Statement for the proposed construction of the Elroy #2 500 kV Tie Line is provided as Attachment 1 accompanying this Letter of Notification. As explained therein, the purpose of the proposed Elroy #2 500 kV Tie Line is to increase reliability of service in Bucks and Montgomery Counties.

29. In determining the need for the project, PPL Electric considered converting the Elroy-Hatfield 69 kV lines to 138 kV as an alternative project. However, this alternative would have been considerably more expensive than adding additional transformation at the Elroy Substation.

30. The proposed Elroy #2 500 kV Tie Line will not create any unreasonable risk of danger to public health or safety. The Elroy #2 500 kV Tie Line will be designed, constructed,

operated, and maintained in a manner that meets or surpasses all applicable NESC minimum standards and meets all applicable legal requirements. Descriptions of NESC standards, PPL Electric's design criteria, and PPL Electric's safety practices are provided in Attachment 4 hereto.

31. The Engineering Description of the proposed Elroy #2 500 kV Tie Line is provided in Attachment 2 accompanying this Letter of Notification.

32. The proposed Elroy #2 500 kV Tie Line will be located on property owned in fee by PPL Electric or by PECO. PPL Electric has entered into an agreement with PECO relating to the use of its property. PPL Electric does not need to acquire any additional rights-of-way for this project.

33. No communication towers, pipelines, or other utilities will be affected by the proposed Elroy #2 500 kV Tie Line. The nearest airport is approximately 8 miles from the project area. Impacts to this airport are not expected due to the distance between the project and the airport, the proposed height of the dead end structures relative to the other structures in the vicinity, the presence of taller structures between the project and the airport, and the fact that an existing 500 kV tie line, which is similar in most regards to the proposed tie line, does not cause any interference.

34. The proposed Elroy #2 500 kV Tie Line was reviewed with the Pennsylvania Historical and Museum Commission ("PHMC"). The PHMC has determined that there are no anticipated impacts to National Register eligible or listed historic or archaeological sites, and no further investigations are required.³

35. The proposed Elroy #2 500 kV Tie Line will not affect any unique geological, scenic, or natural areas. The recreational areas located nearest to the project site include two

³ The applicable File Number ER 10-1181-091-A.

small parks, which are approximately 0.5 miles and 0.9 miles from the project site. There are no anticipated impacts to these features, because the proposed tie line will be constructed adjacent to an existing 500 kV tie. In addition, the distance from the project area to the parks and the existing vegetative buffer between the project area and the parks will reduce any impact.

36. The Elroy #2 500 kV Tie Line will cross one wetland and one stream. Both are easily spanned. Therefore, no impacts to these features are anticipated. PPL Electric will obtain all required permits from the Pennsylvania Department of Environmental Protection and the United States Army Corps of Engineers prior to construction and will comply with all conditions placed on those permits. In addition, PPL Electric will obtain any required soil erosion and sedimentation control permits and will comply with conditions placed on those permits.

37. Disturbance of earth will be limited to localized areas where the dead end structures will be placed within the fenced portions of the substation and switchyard. No new access roads are anticipated for the construction of the tie line.

38. Substantial tree clearing is not anticipated, due to the short length of the tie line and the fact that tree clearing was already performed to accommodate the existing facilities.

39. PPL Electric has consulted with state and federal agencies to obtain information regarding endangered and threatened species in close proximity to the proposed Elroy #2 500 kV Tie Line. A review of the Pennsylvania Natural Diversity Inventory (“PNDI”) records indicates that the project will have no impact on threatened and endangered species and/or special concern species and resources.⁴ The proposed Elroy #2 500 kV Tie Line will not create any risk to endangered or threatened species.

⁴ The PNDI Search ID for this project is 20110405291627.

40. Attachment 5 accompanying this Letter of Notification explains PPL Electric's Magnetic Field Management Program.

41. Attachment 6 accompanying this Letter of Notification is a list of owners of property within the right-of-way. The only property involved in this matter is owned in fee by either PECO or PPL Electric.

42. PPL Electric provided information describing the project to Hatfield Township and Montgomery County, and neither the Township nor the County objected to the project. 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).

43. 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 modification to the Elroy #2 500 kV Tie Line. Such notice will contain: (a) the date this Letter of Notification was filed with the Commission; (b) a brief description of the proposed project and its location; (c) locations where the complete Letter of Notification may be reviewed by the public; and (d) an instruction that the interested parties should contact the Commission at its Harrisburg address.

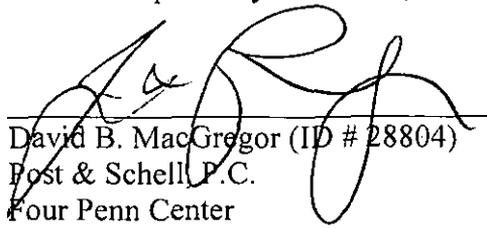
44. This Letter of Notification is filed on the date set forth below. As provided in 52 Pa. Code § 57.72(d)(5), the Commission will review and, by order, approve or disapprove this Letter of Notification. If the Commission approves this Letter of Notification, the proposed Elroy #2 500 kV Tie Line will be constructed as proposed herein without the formal application process set forth at 52 Pa. Code §§ 57.71, *et seq.*

IV. CONCLUSION

WHEREFORE, PPL Electric Utilities Corporation respectfully requests that the Pennsylvania Public Utility Commission approve the proposed Elroy #2 500 kV Tie Line in Hatfield Township, Montgomery County, Pennsylvania, that is explained above and in the Attachments hereto.

Respectfully submitted,

Paul E. Russell (ID # 21643)
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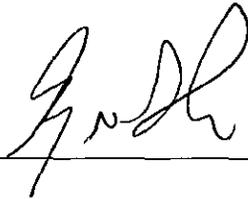
Date: 4/29/11

Attorneys for PPL Electric Utilities Corporation

VERIFICATION

I, Gregory N. Dudkin, being the Sr. Vice President of Operations for 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: 4/27/11



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 § 1.54 (relating to service by a participant).

**VIA CERTIFIED MAIL
RETURN RECEIPT REQUESTED**

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

Hatfield Township
1950 School Road
Hatfield PA 19440-1992
Attn: Mr. Andrew S. Haines,
Township Manager

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

Hatfield Township
Board of Commissioners
1950 School Road
Hatfield PA 19440-1992
Attn: Mr. Scott Brown, President

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

Hatfield Township
Planning Commission
1950 School Road
Hatfield PA 19440-1992
Attn: Mr. George Zisk, Chair

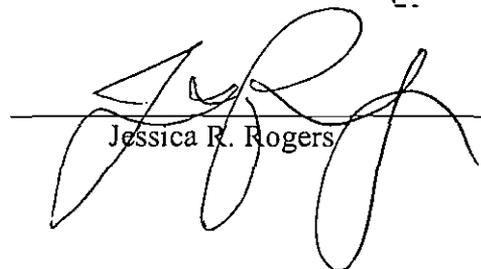
Montgomery County Commissioners
Montgomery County Courthouse
PO Box 311
Norristown, PA 19404-0311
Attn: Mr. James R. Matthews, Chairman

PECO Energy Company
2301 Market Street
Philadelphia, PA 19103

Montgomery County Planning Commission
Montgomery County Courthouse
PO Box 311
Norristown, PA 19404-0311
Attn: Mr. P. Gregory Shelly, Executive Director

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Date: April 29, 2011



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