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File #: 2507/140066

April 27, 2010

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 Red Front 115 kV Tap Line in Lower Windsor Township, York County, Pennsylvania - Docket No. A-2010-

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,

John H. Isom

JHI/skr

Enclosures

cc: Certificate of Service

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

A PENNSYLVANIA PROFESSIONAL CORPORATION

6846631v1

CERTIFICATE OF SERVICE

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 § 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, Second
Floor
400 North Street
Harrisburg, PA 17120-0053
Attn: Mr. Douglas C. McLearen, 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

York County Commissioners
County Administration Office
28 East Market Street
York, Pennsylvania 17401
Attn: Mr. M. Steve Chronister, President

Mr. Donald A. Brennan
Met-Ed Regional President
Metropolitan Edison Company
2800 Pottsville Pike
P.O. Box 16001
Reading Pa, 19612-6001

York County Planning Commission
28 East Market Street
York, Pennsylvania 1740
Attn: Ms. Felicia Dell, Director

Lower Windsor Township Board of
Supervisors
2425 Craley Road
Wrightsville, Pennsylvania 17368
Attn: Ms. Kelly Skiptunas, Chair

Lower Windsor Township
2425 Craley Road
Wrightsville, Pennsylvania 17368
Attn: Ms. Maureen Hartman,
Township Manager

Lower Windsor Township Planning
Commission
2425 Craley Road
Wrightsville, Pennsylvania 17368
Attn: Mr. Marlin Mellinger, Chair

David G. & Ruth A. Fitz
398 Red Front Road
York, PA 17406

Date: 4/27/10



Christopher T Wright

**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 Red Front 115 kV Tap :
Line In Lower Windsor Township, York :
County, Pennsylvania :

Docket No. A-2010-_____

LETTER OF NOTIFICATION

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 Red Front 115 kV Tap Line, which will be approximately 160 feet in length and will connect First Energy’s existing Yorkana-Yoe 115 kV #988 Transmission Line with the proposed Red Front 115-12 kV Substation in Lower Windsor Township, York 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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Paul E. Russell (Pa. Bar I.D. #21643)
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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 Property Owners Within the Proposed Right-of-Way.
- Attachment 7 List of Involved Governmental Agencies, Municipalities, and Other Public Entities.

7. PPL Electric proposes to construct the Red Front 115 kV Tap Line (“Red Front Tap”), which will be approximately 160 feet in length and will connect the existing First Energy owned Yorkana-Yoe 115 kV #988 Transmission Line with the proposed Red Front 115-12 kV Substation (“Red Front Substation”) in Lower Windsor Township, York County, Pennsylvania. The proposed Red Front Tap is required to improve reliability of service and meet increasing demand in the vicinity of central eastern York County.

8. Due to the small size of the tap line and the presence of other transmission facilities in the area, it is anticipated that the Red Front Tap will have minimal incremental impacts on the area.

9. The estimated cost of the Red Front Tap is approximately \$157,000. Construction is scheduled to commence in June 2010, to support an in-service date of May 2011.

II. PROJECT SUMMARY

10. The Red Front Tap will be located entirely in Lower Windsor Township, York County. An aerial exhibit is provided at the end of Attachment 2 to this Letter of Notification. The aerial exhibit depicts the location of the existing and proposed facilities.

11. The proposed Red Front Tap will be approximately 160 feet in length. It will connect the existing First Energy owned Yorkana-Yoe 115 kV #988 Transmission Line with the proposed Red Front Substation. The purpose of the Red Front Tap, together with the proposed Red Front Substation, is to provide an additional source of supply to approximately 3,350 PPL Electric distribution customers located in central eastern York County on the west side of the Susquehanna River. The Red Front Tap and Red Front Substation are needed because the present distribution facilities that supply PPL Electric's distribution customers in that area exceed the normal planning guidelines based on PPL Electric's Reliability Principles and Practices Manual ("RP&P"). The Red Front Tap and the proposed Red Front Substation will relieve the projected thermal overloading, improve voltage, and resolve reliability issues associated with the existing distribution lines serving that area.

12. PPL Electric's certificated service territory includes a 13 square mile area located in central eastern York County on the west side of the Susquehanna River and in the vicinity of Lower Windsor Township. Presently, PPL Electric's distribution customers in this area are served from the North Columbia 69-12 kV Substation. The North Columbia 69-12 kV Substation is located in Lancaster County on the east side of the Susquehanna River. Four 12 kV distribution lines extend from the North Columbia 69-12 kV Substation and attach to Wright's

Ferry Bridge, also known as the Route 30 Bridge. Two of the four lines are dedicated to a large manufacturing customer located in Wrightsville Borough. The other two lines, the North Columbia 06-03 and 06-05 distribution lines serve the remainder of customer load in the area, approximately 3,350 customers. There are no 12 kV sources on the west side of the Susquehanna River near the end of the North Columbia 06-03 12 kV distribution line.

13. The existing North Columbia 06-03 12 kV distribution line is projected to exceed the normal planning guidelines set forth in PPL Electric's RP&P in 2012. The normal and emergency ratings of the 336 (thousands of circular mils)¹ aluminum conductor of the North Columbia 06-03 12 kV distribution line are 10 and 12 MVA, respectively. The peak load on the distribution line forecasted for the summer of 2012 is 10.6 MVA.

14. The existing North Columbia 06-03 12 kV distribution line has been one of PPL Electric's worst performing circuits. Further, as a result of its length (54 miles of overhead conductor) and the projected load, the existing North Columbia 06-03 12 kV distribution line presents reliability and low voltage concerns.

15. Although the existing North Columbia 06-05 12 kV distribution line does not presently have the same reliability problems as the North Columbia 06-03 12 kV distribution line, the 06-05 distribution line cannot be used as an alternate source for the 06-03 line because the combined load of both lines during peak demand exceeds the capacity of either line. Thus, the existing North Columbia 06-03 12 kV distribution line is a radial line that has no back up source that can be utilized during unplanned outages. As a result, typical line outages interrupt hundreds of customers and extend for many hours due to the radial nature of this line. Further,

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

because the line is radial it is not possible to transfer load away from the existing North Columbia 06-03 12 kV distribution line to other 12 kV circuits to relieve overloading.

16. To alleviate these problems, PPL Electric plans to construct the new Red Front Substation and connecting distribution lines in the Lower Windsor Township area. PPL Electric plans to construct and install new 12 kV distribution facilities that will be connected to the Red Front Substation to serve customer load in PPL Electric's service territory on the west side of the Susquehanna River. These new distribution facilities will have the ability to connect with the existing North Columbia 06-03 12 kV distribution line. The Red Front Substation and new 12 kV facilities will reduce peak loading on the existing North Columbia 06-03 12 kV distribution line by transferring approximately half of its load to the new 12 kV facilities. Further, the proposed reinforcement will improve voltage, improve restoration times, and address the reliability issues associated with the existing North Columbia 06-03 12 kV distribution line.

17. The Red Front Substation will be supplied from the existing First Energy Yorkana-Yoe 115 kV #988 Transmission Line. The Red Front Tap proposed herein will connect the Red Front Substation with the Yorkana-Yoe 115 kV #988 Transmission Line. The Red Front Tap will be designed as a single-circuit 115 kV transmission tap line that will extend 160 feet from the existing First Energy owned Yorkana-Yoe 115 kV #988 Transmission Line to the proposed Red Front Substation.

18. The Red Front Tap will require one wood pole that will be approximately 80 feet in height and will be secured with anchor guys. The proposed tap will consist of a single circuit with three power conductors and one overhead ground wire. The power conductors will be

556.5 kcmil (thousands of circular mils),² 26/7 strand ACSR.³ The overhead ground wire will be 3/8-inch steel and will provide lightning protection for the proposed Tap Line.

19. The Red Front Tap will be designed to comply with, and will generally surpass, the applicable minimum standards in the National Electrical Safety Code (NESC).

20. The total estimated cost to design and construct the proposed project is \$4.42 million, which includes the cost of the Red Front Substation and the distribution work related thereto, the estimated \$157,000 cost for the proposed Red Front Tap, and the costs associated with the required sectionalizing switch upgrades to the Yorkana-Yoe 115 kV # 988 Transmission Line.

21. Construction is scheduled to commence in June 2010, for an in service date of May 2011.

22. The proposed Red Front Tap and Red Front Substation will be located in Lower Windsor Township, York County. The Red Front Tap will be contained entirely on the site proposed for the Red Front Substation.

23. Because the proposed Red Front Tap will be only 160 feet in length and will be installed in the vicinity of existing transmission lines as depicted in an aerial exhibit at the end of Attachment 2 to this Letter of Notification, it is anticipated that the Red Front Tap will have minimal incremental impacts on the area. The proposed 3.0 acre site for the Red Front Substation is traversed by the existing First Energy owned Yorkana-Yoe #988 and Yorkana-Yoe #989 115 kV Transmission Lines. In addition, the site is zoned for industrial uses and the properties surrounding the proposed site for the Red Front Substation are being acquired by

² A circular mil is the cross-sectional area of a wire one mil in diameter, where 1 kcmil = 0.5067 mm².

³ Aluminum conductor steel reinforced.

third-parties for expansion of an existing landfill. Further, the visual impacts of the proposed Red Front Substation will be mitigated through appropriate landscaping at the substation site.

24. Accompanying this Letter of Notification is a separately bound volume containing Attachments 1-7, which provide additional information about the Red Front Tap. 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

25. 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 Red Front Tap qualifies for use of a Letter of Notification because it will be less than two miles in length.

26. The Necessity Statement for the Red Front Tap is provided as Attachment 1 accompanying this Letter of Notification. As explained in greater detail therein, the purpose of the Red Front Tap is to improve the reliability of service and to reduce load on the existing distribution facility in central eastern York County.

27. In determining the need for the Red Front Tap, PPL Electric considered two functional alternatives. The first functional alternative would have involved the interconnection of the Red Front Substation with the Met Ed owned Yorkana-Yoe #989 Transmission Line, rather than the Yorkana-Yoe #988 115 kV Transmission Lines. Although feasible, this functional alternative would have required extensive reconductoring work of Met Ed's Jackson-Blair 115 kV Transmission Line and, as a result, would have cost an estimated \$1.1 million more than the preferred alternative.

28. The second functional alternative would have involved tapping either the West-Hempfield-Manor #2 230 kV Transmission Line or the West-Hempfield –Manor #1 69 kV

Transmission Line. However, both of these supply circuits are located on the east side of the Susquehanna River and, thus, would require facilities that would cross the Susquehanna River at a location that is almost one mile wide in order to connect to the proposed Red Front Substation, which will be located on the west side of the Susquehanna River. Therefore, this second functional alternative would be more costly than the preferred alternative and, further, make it unrealistic to meet the in-service date due to permitting and environmental concerns.

29. The proposed Red Front Tap will not create any unreasonable risk of danger to the public health or safety. The Red Front Tap will be designed, constructed, operated, and maintained in a manner that meets or surpasses all applicable NESC minimum standards and 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.

30. The Engineering Description of the Red Front Tap is provided in Attachment 2 accompanying this Letter of Notification.

31. The proposed Red Front Tap will be located entirely on the proposed site for the Red Front Substation. PPL Electric has been unable to acquire the proposed site for the Red Front Substation through negotiations with the property owners. Therefore, PPL Electric will file with the Commission an Application for a finding and determination, pursuant to 15 Pa. C.S. § 1511(c), that the service to be furnished through PPL Electric's proposed exercise of the power of eminent domain to acquire appropriate property for the Red Front 115 kV Tap Line and Red Front 115-12 kV Substation is necessary or proper for the service, accommodation, convenience, or safety of the public.

32. No communication towers, pipelines, or other utilities will be affected by the proposed Red Front Tap. The nearest airport is approximately 6.9 miles from the proposed Red

Front Tap. PPL Electric will contact the PennDOT Bureau of Aviation and the Federal Aviation Administration to ensure that the proposed Red Front Tap will not be a hazard to flight operations.

33. The proposed Red Front Tap was reviewed with the Pennsylvania Historical and Museum Commission (PHMC). The PHMC has determined that, due to the absence of historical sites and the small project size, no further archaeological investigations are required.

34. The proposed Red Front Tap will not affect any unique geological, scenic, or natural areas. No national natural landmarks, parks, recreational facilities, or natural areas are located near the project area.

35. The Red Front Tap will not cross any wetlands or other aquatic resources. Further, no tree clearing is required for the proposed Red Front Tap. PPL Electric will acquire and comply with any required soil erosion and sedimentation control permit conditions.

36. PPL Electric has consulted with state and federal agencies to obtain information regarding endangered and threatened species in close proximity to the Red Front Tap. These agencies have reported that no impacts are anticipated and no further coordination is needed for this project.

37. The Red Front Tap was reviewed with representatives of Lower Windsor Township and York County. The Township and the County have no objection to the Red Front Tap or Red Front Substation.

38. 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).

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

40. 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 Red Front Tap. Such notice will contain: (a) the date this Letter of Notification was filed with the Commission; (b) a brief description of the Red Front Tap and their 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, within 15 days, James J. McNulty, Secretary, at the Commission's Harrisburg address.

41. 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 Red Front Tap will be constructed as proposed herein without the formal application process set forth at 52 Pa. Code §§ 57.71, *et seq.*

IV. RELATED PROCEEDINGS

42. Contemporaneously with the filing of this Letter of Notification, PPL Electric is filing with the Commission a Petition for a finding that a building to shelter control equipment at the proposed Red Front 115-12 kV Substation in Lower Windsor Township, York County, is reasonably necessary for the convenience or welfare of the public and, therefore, exempt from any local Zoning Ordinance ("Zoning Petition"). The Red Front Tap will be connected to and supply the proposed Red Front Substation, including the control equipment building that is the

subject of the Zoning Petition. Issues related to the Zoning Petition are interrelated with this Letter of Notification.⁴

43. PPL Electric has been unable to acquire the site proposed for the Red Front Substation through negotiations with the property owners. Accordingly, PPL Electric will file with the Commission an Application for a finding and determination, pursuant to 15 Pa. C.S. § 1511(c), that the service to be furnished through PPL Electric's proposed exercise of the power of eminent domain to acquire appropriate property for the Red Front Tap and Red Front Substation is necessary or proper for the service, accommodation, convenience, or safety of the public ("Condemnation Application"). Issues related to the Condemnation Application are interrelated with this Letter of Notification.

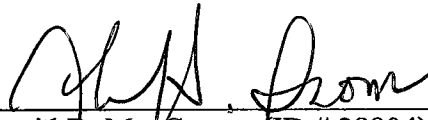
44. Pursuant to 52 Pa. Code §57.75(i)(1), PPL Electric requests that this Letter of Notification be consolidated with the Zoning Petition and Condemnation Application.

⁴ As explained above, the Red Front Tap will connect the existing First Energy owned Yorkana-Yoe 115 kV #988 Transmission Line with the proposed Red Front Substation. Metropolitan Edison Company ("Met-Ed"), a subsidiary of First Energy, will file filing a Letter of Notification for Commission approval to install the tap and switch poles on its Yorkana-Yoe 115 kV #988 Transmission Line. Issues related to the Met-Ed Letter of notification are interrelated with this Letter of Notification.

V. CONCLUSION

WHEREFORE, PPL Electric Utilities Corporation respectfully requests that the Pennsylvania Public Utility Commission approve the siting and construction of the Red Front 115 kV Tap Line in Lower Windsor Township, York County, Pennsylvania, that is explained above and in the Attachments hereto.

Respectfully submitted,



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Of Counsel:

Post & Schell, P.C.

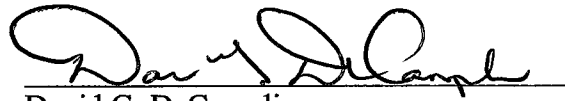
Date: 4/27/10

Attorneys for PPL Electric Utilities Corporation

VERIFICATION

I, David G. DeCampli, being the President 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: 4-27-10


David G. DeCampli