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File #: 2507/140066

November 4, 2010

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 Dappers 138/69 kV Transmission Tap Line in Cherry Ridge Township, Wayne 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 well as a check in the amount of \$350 for the filing fee.

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 address or telephone number provided above.

Respectfully Submitted,

Christopher T. Wright

CTW/skr

Enclosures

cc: Certificate of Service

RECEIVED
2010 NOV -4 PM 3:41
A PUC
SECRETARY'S BUREAU

**BEFORE THE
PENNSYLVANIA PUBLIC UTILITY COMMISSION**

Letter Of Notification Of PPL Electric :
Utilities Corporation, Filed Pursuant To 52 :
Pa. Code Chapter 57 Subchapter G, With : Docket No. A-2010-
Respect To The Dappers 138/69 kV :
Transmission Tap Line in Cherry Ridge :
Township, Wayne County, Pennsylvania :

PA PUBLIC
UTILITY
COMMISSION
SECRETARY'S BUREAU

2010 NOV -4 PM 3:41

RECEIVED

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 Dappers 138/69 kV Transmission Tap Line (“Dappers Tap”), which will consist of approximately 312 feet of new 138/69 kV transmission line and will connect the existing Blooming Grove-Honesdale 138/69 kV Transmission Line to the proposed Dappers 69-12 kV Substation (“Dappers Substation”) to be constructed in Cherry Ridge Township, Wayne County, Pennsylvania.¹ In support thereof, PPL Electric states as follows:

¹ Contemporaneously with the filing of this Letter of Notification, PPL Electric is filing a Zoning Petition. Issues related to the Zoning Petition are interrelated with issues in this Letter of Notification.

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 as follows:

PPL Electric Utilities Corporation
Two North Ninth Street
Allentown, Pennsylvania 18101

3. PPL Electric's attorneys are:

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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 Involved Governmental Agencies, Municipalities, and Other Public Entities.

7. PPL Electric proposes to install two new 12 kV distribution lines that will be connected to the new Dappers Substation to resolve violations to improve reliability and increase operating flexibility in the Honesdale and Varden areas of Wayne County. To accomplish this reinforcement, PPL Electric proposes to construct the Dappers Tap, which will extend

approximately 312 feet in length and connect the existing Blooming Grove-Honesdale 138/69 kV Transmission Line to the proposed Dappers Substation in Cherry Ridge Township, Wayne County, Pennsylvania. The Dappers Tap, together with the two new 12 kV distribution lines and the Dappers Substation, is required to improve reliability of service in the Honesdale and Varden areas.

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

9. The proposed Dappers Tap will be constructed entirely on the site for the proposed Dappers Substation, which is owned in fee by PPL Electric.

10. The estimated cost for the Dappers Tap is approximately \$200,000. Construction is scheduled to commence February, 2012 to meet a required in-service date of November, 2012.

II. PROJECT SUMMARY

11. Both the Dappers Substation and Dappers Tap will be located entirely on land owned in fee by PPL Electric. An aerial plot plan is provided at the end of Attachment 2 to this Letter of Notification. The plot plan depicts the location of the existing and proposed facilities.

12. The proposed Dappers Tap will be approximately 312 feet in length. The Tap will connect the existing Blooming Grove-Honesdale 138/69 kV Transmission Line with the proposed Dappers Substation. The purpose of the Dappers Tap, together with the proposed Dappers Substation and associated 12 kV distribution facilities, is to provide an additional source of supply to distribution customers located in the Honesdale and Varden areas.

13. Presently, PPL Electric's distribution customers in the Honesdale area are served from the Honesdale 69-12 kV Substation via the Honesdale 34-02 12 kV distribution line. PPL

Electric's distribution customers in the Varden area currently are served from the Varden 69-12 kV Substation via the Varden 46-03 12 kV distribution line. Currently, the Honesdale 34-02 and Varden 46-03 12 kV distribution lines collectively serve approximately 2,900 customers. Figures 1 and 3 provided at the end of Attachment 1 to this Letter of Notification provide one-line diagrams of the existing transmission and distribution systems serving these areas.

14. The Honesdale 34-02 and Varden 46-03 12 kV distribution lines exceed the guideline for the number of customers per feeder set forth in PPL Electric's Reliability Principles & Practices ("RP&P"). The RP&P guideline limits the number of customers served from a 12 kV circuit to 1,300. Currently, the Varden 46-03 and Honesdale 34-02 12 kV distribution lines serve 1,520 and 1,380 customers, respectively.

15. The existing Varden 46-03 12 kV distribution line also exceeds PPL Electric's RP&P guideline for circuit exposure. The RP&P guideline is that a 12kV circuit and its associated branches should not exceed 50 miles of circuit exposure. Presently the Varden 46-03 12 kV distribution line and its associated branches have 114 miles of exposure. A large portion of the Varden 46-03 12 kV distribution line is exposed to possible tree related outages. The long length of the circuit, and the resulting increase in exposure to damage, increases the number of outages that a customer may experience. Decreasing the length of a circuit limits circuit exposure, thereby reducing the number of customers affected by an outage.

16. Further, the existing system configuration for the Varden 46-03 12 kV distribution line has limited transfer capability with the adjoining substations for maintenance of equipment and other planned and unplanned outages. As a result, if the Varden 46-03 12 kV distribution line were to fail or require maintenance, this limited transfer capability could increase the duration of outages experienced by customers.

17. The rural nature of the area, the length of the Varden 46-03 circuit, and the high number of customers on the circuit have resulted in a large number of customers experiencing multiple outages per year. The combination of these factors has led to the Varden 46-03 12 kV distribution line being among the worst performing circuits on PPL Electric's system.

18. To alleviate these problems, PPL Electric plans to construct the new Dappers Substation. PPL Electric plans to construct and install two new 12 kV distribution lines that will be connected to the Dappers Substation to serve customer load in the Honesdale and Varden areas. The location of the new Dappers 69-12kV Substation will provide a source central to the load it will serve. Locating the substation central to its load will reduce the length of exposure for the existing circuits, thereby reducing the amount of exposure for the existing lines. Further, a centrally located substation will reduce the number of customers affected by a line outage.

19. Load will be transferred from the Varden 46-03 and Honesdale 34-02 12 kV distribution lines to the distribution lines supplied by the new Dappers 69-12 kV Substation. The transfer will reduce the number of customers served by the Varden 46-03 and Honesdale 34-02 12 kV distribution lines. Once the project is completed, the two new distribution lines supplied by the Dappers 69-12 kV Substation collectively will serve a total of approximately 1,150 customers. In turn, the number of customers served by Varden 46-03 12 kV distribution line will be reduced from approximately 1,520 to 1,100, which is below the PPL Electric RP&P guideline of 1,300 customers per line. Similarly, the number of customers served by the Honesdale 34-02 12 kV distribution line will be reduced from approximately 1,380 to 900 customers, which also is below the PPL Electric RP&P guideline of 1,300 customers per line.

20. The Dappers Substation will be supplied from the existing Blooming Grove-Honesdale 138/69 kV Transmission Line. The Dappers Tap proposed herein will extend

approximately 312 feet from Blooming Grove-Honesdale 138/69 kV Transmission Line to the Dappers Substation. The Dappers Tap will be designed and constructed as a single-circuit 138 kV transmission tap line, although it initially will be operated at 69 kV. The Dappers Tap will be operated at 138 kV when future load increases make it appropriate to maintain service reliability. The proposed Dappers Tap is depicted in the aerial plot plan provided at the end of Attachment 2 to this Letter of Notification.

21. The Dappers Tap will require two steel mono-poles. The first pole, the tap structure, will be approximately 70 feet in height. The second pole, an angle structure, will be approximately 65 feet in height. Both structures will be mounted on concrete foundations and guyed. In addition to these poles, one load sectionalizing air brake (“LSAB”) switch pole will be installed in the existing Blooming Grove-Honesdale 138/69 kV Transmission Line.

22. The proposed Tap will consist of three power conductors and one overhead ground wire. The power conductors will be 556.5 kcmil,² 24/7 strand ACSR.³ The overhead ground wires will be 3/8-inch steel and will provide lightning protection for the proposed Taps.

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

24. The total estimated cost to design and construct the proposed project is approximately \$1.08 million, which includes \$746,000 for the new Dappers Substation, \$200,000 for the Dappers Tap, and \$134,000 for distribution work.

25. Construction is scheduled to commence in February 2012 to meet a required in-service date of November 2012.

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.

26. The proposed Dappers Tap and Dapper Substation will be located in Cherry Ridge, Wayne County. The Dappers Tap and Dappers Substation will be constructed entirely on a 10.23-acre parcel owned in fee by PPL Electric.

27. The 10.23-acre site for the proposed Dappers Substation is traversed by the existing Blooming Grove-Honesdale 138/69 kV Transmission Line. Because the proposed Dappers Tap will be only 312 feet in length and will be installed in the vicinity of existing transmission lines, as depicted in the aerial plot plan at the end of Attachment 2 to this Letter of Notification, it is anticipated that the Dappers Tap will have minimal incremental impacts on the area.

28. Accompanying this Letter of Notification is a separately bound volume containing Attachments 1-6, which provide additional information about the Dappers 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

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 Dappers Tap qualifies for use of a Letter of Notification because the tap line will be less than two miles in length.

30. The Necessity Statement for the Dappers Tap is provided as Attachment 1 accompanying this Letter of Notification. As explained in greater detail therein, the purpose of the Dappers Tap is to improve the reliability of service of the existing distribution facilities serving the Honesdale and Varden areas of Wayne County.

31. In determining the need for the Dappers Tap, PPL Electric considered one alternative electrical solution or functional alternative. As an alternative solution to the Dappers Tap and Dappers Substation, PPL Electric considered installing two new 12 kV distribution lines -- one at the Honesdale 69-12 kV Substation and one at the Varden 69-12 kV Substation. This alternative functional configuration would require the new 12 kV distribution line originating from the Honesdale Substation to follow the same line route as the existing Honesdale 34-02 12 kV distribution line for approximately 3 miles. However, this alternative functional configuration would do less to improve reliability because two distribution circuits installed on the same poles are susceptible to the same potential outages. This functional configuration also would require costly upgrades to both the Honesdale 69-12 kV Substation and the Varden 69-12 kV Substation to accommodate the additional lines and terminals, as well as additional minor distribution work on the Varden 46-03 distribution line. This alternative would provide no cost savings because it would cost approximately \$1.11 million. PPL Electric rejected this alternative solution because the proposed Dappers Tap and Dappers Substation provide additional reliability and operating flexibility, allow for a better long-term plan for the entire area, and is slightly less expensive.

32. The proposed Dappers Tap will not create any unreasonable risk of danger to the public health or safety. The Dappers 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.

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

34. The proposed Dappers Tap will be located entirely on the site for the Dappers Substation, which is owned in fee by PPL Electric. As a result, no additional rights-of-way are necessary for the proposed Dappers Tap.

35. No communication towers, pipelines, or other utilities will be affected by the proposed Blue Mountain Taps. The Cherry Ridge Airport is located approximately 0.20 miles to the east of the project site and the Port Florence Airport is located approximately 3.65 miles to the east of the project site. Impacts to these airports are not expected due the location of the project in relation to the orientation of the runways, and the fact that the substation site currently contains electrical structures that are taller than those proposed herein. The PennDOT Bureau of Aviation and the Federal Aviation Administration were notified of the proposed Dappers Tap project to ensure that it will not be a hazard to flight operations at these airports. These agencies have not objected to the Dappers Tap.

36. The proposed Dappers 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.

37. The proposed Dappers Tap will not affect any unique geological, scenic, or natural areas. The recreational areas located closest to the project site are: the Pennsylvania State Game Lands Number 183, which is located approximately 6 miles southeast of the project site; the Prompton State Park, which is located about 6.2 miles northwest of the project site; the Varden Conservation Area, which is located approximately 6.8 miles west of the project site; and the Delaware State Forest, which is located approximately 7.99 miles southeast of the project site. No impact to these features is anticipated due to their distance from the project area and the small size of the project.

38. The Dappers Tap will not cross any wetlands or other aquatic resources. PPL Electric will also acquire and comply with any required soil erosion and sedimentation control permit conditions.

39. Tree clearing is required for the proposed Dappers Tap. PPL Electric will apply its “Specifications for Initial Clearing and Control of Vegetation on or Adjacent to Electric Right-of-Way Through Use of Herbicides, Mechanical, and Hand Clearing Techniques” to mitigate any impacts.

40. PPL Electric has consulted with state and federal agencies to obtain information regarding endangered and threatened species in close proximity to the Dappers Tap. A review of the Pennsylvania Natural Diversity Inventory (“PNDI”) records indicates that there are no anticipated impacts to threatened or endangered species, or special concern species and resources.

41. PPL Electric has provided information to representatives of Cherry Ridge Township and Wayne County describing the Dappers Tap. These entities have not objected to the Dappers Tap.

42. Attachment 6 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 6 in accordance with 52 Pa. Code § 57.72(d)(3).

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

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 Dappers Tap. Such notice will contain: (a) the date this Letter of Notification was filed with the Commission; (b) a brief description of the Dappers Tap 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 Rosemary Chiavetta, Secretary, at the Commission's Harrisburg address.

45. 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 Dappers 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

46. Contemporaneously with the filing of this Letter of Notification, PPL Electric is filing a Zoning Petition seeking a Commission finding that a building to shelter control equipment at the proposed Dappers Substation in Cherry Ridge Township, Wayne County, Pennsylvania is reasonably necessary for the convenience or welfare of the public and, therefore, exempt from any local zoning ordinance ("Zoning Petition"). Issues related to the Zoning Petition are interrelated with issues in this Letter of Notification.


47. Pursuant to 52 Pa. Code § 57.75(i)(1), PPL Electric requests that these related proceedings be consolidated for hearings, if necessary, and decision.

V. CONCLUSION

WHEREFORE, PPL Electric Utilities Corporation respectfully requests that the Pennsylvania Public Utility Commission approve the siting and construction of the Dappers 138/69 kV Transmission Tap Line in Cherry Ridge Township, Wayne County, Pennsylvania, that is explained above and in the Attachments hereto.

Respectfully submitted,

Paul E. Russell (ID # 21643)
Associate General Counsel
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Two North Ninth Street
Allentown, PA 18106
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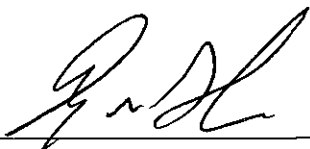
Date: November 4, 2010

Attorneys for PPL Electric Utilities Corporation

VERIFICATION

I, Gregory N. Dudkin, being the Senior Vice of Operations at 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: 10/27/10



Gregory N. Dudkin

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

Wayne County Commissioners
925 Court Street
Honesdale, PA 18431
Attn: Brian W. Smith, Chairperson

Wayne County Planning Commission
925 Court Street
Honesdale, PA 18431
Attn: Edward J. Coar, Director

Cherry Ridge Township Board of
Supervisors
269 Spinner Rd
Honesdale, PA 18431
Attn: John W. Rickard, Jr., Chairperson

Cherry Ridge Township Planning Board
269 Spinner Rd
Honesdale, PA 18431
Attn: Lois Powderly, Secretary

Date: November 4, 2010



Christopher T Wright