

**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 A Section Of The Monroe- :
Jackson #2 138 kV Transmission Line and :
the Stroudsburg #1 and #2 138 kV Tap :
Lines In the Borough of Stroudsburg, :
Monroe County, Pennsylvania :

Docket No. A-2010-_____

LETTER OF NOTIFICATION

TO THE PENNSYLVANIA PUBLIC UTILITY COMMISSION:

I. INTRODUCTION

This Letter of Notification is filed by PPL Electric Utilities Corporation (“PPL Electric”), pursuant to 52 Pa. Code §57.72(d), to request the Pennsylvania Public Utility Commission’s (“Commission”) approval for the siting and construction of (1) approximately 275 feet (three spans) of new 138 kV transmission line around the existing Stroudsburg Substation and (2) the Stroudsburg #1 and #2 138 kV Tap Lines in the Borough of Stroudsburg, Monroe County, Pennsylvania (collectively, the “Project”). The 275 feet (three spans) of new 138 kV transmission line, will connect two existing 138/69 kV transmission lines. The combination of the new three span section and the existing lines will be called the Monroe-Jackson #2 138 kV Transmission Line. PPL Electric also proposes to construct two new single-circuit 138 kV tap lines, Stroudsburg #1 and #2 138 kV Tap Lines, into the existing Stroudsburg Substation to source the proposed 138-12 kV transformers.

Construction of the Stroudsburg #1 and #2 Taps and the new 138 kV spans around Stroudsburg Substation is a necessary part of PPL Electric’s Southern Pocono 138 kV Conversion Plan (“Plan”). Completion of this work will allow PPL Electric to remain in

compliance with North American Electric Reliability Corporation (“NERC”) Transmission Planning Standards (“TPL”) and PPL Electric’s Reliability Principles and Practices (“RP&P”).

The estimated cost to design and construct the Stroudsburg #1 and #2 138 kV Tap Lines and the three new 138 kV spans around Stroudsburg Substation is approximately \$900,000. The project is located entirely on property owned by PPL Electric. No additional right-of-way is required. The project has a scheduled construction start date of March 2010 to meet a required in-service date of November 2010. The required in-service date is defined as the date that the proposed facility must be placed in service to prevent overloads and low-voltage conditions that could potentially damage equipment and result in service interruptions to customers.

II. PROJECT SUMMARY

1. The Project is located entirely in the Borough of Stroudsburg, Monroe County. An aerial plot plan is provided at the end of Exhibit B to the Letter of Notification. The plot plan depicts the location of the proposed facilities.

2. PPL Electric proposes to construct approximately 275 feet (three spans) of new 138 kV transmission line around the existing Stroudsburg Substation. This new section of single-circuit 138 kV transmission line, approximately 275 feet in length, will be constructed to connect the existing Martins Creek-Stroudsburg 138/69 kV Transmission Line to the existing Jackson-Stroudsburg 138/69 kV Transmission Line. The combination of this new section and the existing lines will be called the Monroe-Jackson #2 138 kV Transmission Line.¹ The construction of the 275 feet (three spans) of new 138 kV transmission line will require the installation of three steel pole structures, which will be approximately 75 feet in height. The new section of transmission line will consist of three 556.5 thousand circular mills (kcmil), 24/7

¹ The existing Monroe-Jackson 138 kV Transmission Line will be renamed the Monroe-Jackson #1 138 kV Transmission Line.

stranding, aluminum conductor steel reinforced (“ACSR”) power conductors. One 3/8 inch steel overhead ground wire will be installed to provide lightning protection for the proposed line.

3. PPL Electric also plans to construct two new single-circuit 138 kV tap lines into the existing Stroudsburg Substation to source the proposed 138-12 kV transformers. The new tap lines will be called the Stroudsburg #1 and #2 138 kV Taps. The Stroudsburg #1 138 kV Tap will be approximately 110 feet in length. This tap will require the installation of one steel pole structure, which will be approximately 65 feet in height. The Stroudsburg #2 138 kV Tap will be approximately 25 feet in length. This tap will share one steel pole structure with the Monroe-Jackson #2 138 kV Transmission Line. Both tap lines will consist of three 556.5 kcmil, 24/7 stranding, ACSR power conductors and one overhead ground wire. The steel overhead ground wires will be installed to provide lightning protection for the proposed tap lines.

4. The Project will be designed to comply with and will generally surpass the applicable minimum standards in the National Electrical Safety Code (“NESC”).

5. The estimated cost to design and construct the Stroudsburg #1 and #2 138 kV Tap Lines and the three new 138 kV spans around Stroudsburg Substation is approximately \$900,000. In addition, PPL Electric estimates that it will spend \$1.75 million (including the transformer cost) for the substation modifications. Therefore, the total estimated cost for the proposed work at the Stroudsburg Substation is approximately \$2.65 million.²

6. The Project will be started as soon as practical after it has been approved by the Commission in order to meet the required in-service date of November 2010. Tentatively, and

² This filing concerns only the Stroudsburg #1 and #2 138 kV Tap Lines and the three new 138 kV spans, which are the only parts of the proposed project that require prior Commission approval under 52 Pa. Code, Chapter 57, Subchapter G.

subject to the Commission's approval of the Letter of Notification, the Project has a scheduled construction start date of March 2010 to meet a required in-service date of November 2010.

7. Accompanying this Letter of Notification is a separately-bound volume containing Exhibits A – C and Appendices A – C, which provide additional information about the project. This Letter of Notification and accompanying Exhibits and Appendices, which are incorporated herein by reference, contain all the information required by 52 Pa. Code § 57.72(d)(4).

III. THE APPLICANT

8. The name and address of the Applicant are:

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

9. PPL Electric is a Pennsylvania corporation which provides electric transmission, distribution and provider of last resort electric supply services, subject to the Commission's regulatory jurisdiction, to approximately 1.4 million customers in all or portions of twenty-nine counties in eastern and central Pennsylvania.

10. The names, addresses and telephone numbers of PPL Electric's attorneys are:

David B. MacGregor, Esquire
Post & Schell, P.C.
Four Penn Center
1600 John F. Kennedy Boulevard
Philadelphia, PA 19103-2808
Voice: 215.587.1197
Fax: 215.587.1444
E-mail: dmacgregor@postschell.com

John H. Isom, Esquire
Post & Schell, P.C.
12th Floor
17 North Second Street
Harrisburg, PA 17101-1601
Voice: 717.612.6032
Fax: 717.731.1985

E-mail: jisom@postschell.com

Paul E. Russell, Esquire
Associate General Counsel
PPL Services Corporation
Two North Ninth Street
Allentown, Pennsylvania 18101
Voice: 610.774.4254
Fax: 610.774.6726
E-mail: perussell@pplweb.com

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

IV. LETTER OF NOTIFICATION

12. 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 Project qualifies for use of a Letter of Notification because it will be constructed entirely on property that is owned by PPL Electric, because the Project will not substantially alter the size, character, design and configuration of the property and because it is less than 2 miles in length. The Project will not substantially alter the property due to its small scope and the fact that the Project is located near existing PPL Electric facilities.

13. The Necessity Statement for the Project is provided as Exhibit "A" in the Exhibits and Appendices accompanying this Letter of Notification. As explained in greater detail in Exhibit "A," the Project is part of PPL Electric's overall long-term Plan for the heavily-loaded service area of the Southern Pocono region. The conversion is required to increase service reliability by relieving overloading of a nearby transmission line and low voltage issues in the area. The Plan calls for converting the existing 69 kV facilities in the Southern Pocono area to 138 kV operation. Increasing the operating voltage from 69 kV to 138 kV will double the capacity of the existing transmission lines and substations and will enable PPL Electric to

continue to provide reliable electric service to its customers without establishing additional major transmission corridors. Construction of the Stroudsburg 138 kV Taps and the new 138 kV spans around Stroudsburg Substation is a necessary part of the Plan.

14. In addition, the completion of this work will allow PPL Electric to remain in compliance with NERC TPL and PPL Electric's RP&P. As discussed in Exhibit "A," reinforcement of the Southern Pocono Area transmission system is required by the 2010/2011 winter period in order to avoid conductor overload and low-voltage conditions which could result in a significant load loss for extended periods.

15. To resolve the problems discussed above and in Exhibit "A," PPL Electric will establish a 138 kV double-circuit network path between the Monroe, Jackson and Siegfried Regional Substations by November 2010. Establishing this double-circuit network path will resolve overload and low voltage concerns for loss of one Monroe-Jackson 138 kV circuit or the Monroe 230-138 kV transformer by reinforcing 138 kV transmission facilities. To complete the overall Southern Pocono reinforcement plan, it will be necessary for PPL Electric to convert the existing 69-12 kV distribution substations served from the Jackson-Stroudsburg 138/69 kV line and the Martins Creek-Stroudsburg 138/69 kV line to 138 kV operation. In 2010, PPL Electric proposes to transfer load from the 69 kV system to the 138 kV system at the Stroudsburg Substation by tapping the new Monroe-Jackson #1 and #2 138 kV Transmission Lines and constructing the Stroudsburg #1 and #2 Taps to feed the Stroudsburg Substation Transformers #1 and #2, respectively. In order to accept load at 138 kV, each of the existing transformers at Stroudsburg Substation will be replaced with a 138-12 kV, 20/27/34 MVA unit. The Stroudsburg Substation will realize an increase in capacity of approximately 10 MVA for each transformer.

16. Additionally, three new spans (approximately 275 feet in total) of 138 kV line will be constructed to connect the existing Martins Creek-Stroudsburg 138/69 kV Transmission Line to the existing Jackson-Stroudsburg 138/69 kV Transmission Line. These spans will complete the path from Jackson to Monroe for the new Monroe-Jackson #2 138 kV line. Establishing the Monroe-Jackson #1 & #2 138 kV double-circuit network path will provide redundancy, which will improve the reliability and operating flexibility of the system. The Jackson-Stroudsburg 138/69 kV Transmission Line and the Martins Creek-Stroudsburg 138/69 kV Transmission Line were approved by the Commission for 138 kV operation when they were originally constructed (at Commission Docket No. A 110500F108, and Docket No. A-110500F121, respectively).

17. The total estimated cost for the proposed work at Stroudsburg is approximately \$2.65 million, which includes \$1.75 million for the substation modifications and \$900,000 for the transmission work. This filing concerns only the proposed modifications of transmission facilities (*i.e.* \$900,000), which are the only part of the project that requires prior Commission approval under 52 Pa. Code, Chapter 57, Subchapter G.

18. Construction of the Stroudsburg #1 and #2 138 kV Taps and three new 138 kV spans around Stroudsburg to complete the Monroe-Jackson #2 138 kV line is an integral part of the overall long-range transmission reinforcement plan for the Southern Pocono area. Raising the operating voltage from 69 kV to 138 kV will double the capacity of the existing transmission lines and enable them to meet increased electric demand without the need for additional major transmission corridors. This conversion will expand the existing 138 kV system and improve reliability of service for customers in the Southern Pocono area. It will also provide increased operating flexibility for the electric facilities connecting the Monroe, Jackson and Siegfried Regional Substations.

19. The proposed Project will not create any unreasonable risk of danger to the public health or safety. The Project 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 Appendix A hereto.

20. The Engineering Description of the Project is provided in Exhibit "B" in the Exhibits and Appendices accompanying this Letter of Notification.

21. All construction activities associated with the project will occur on property owned in fee by PPL Electric. The property owned by PPL Electric contains existing electrical facilities. Land use in the area is a mix of commercial and residential sites. Land use impacts are anticipated to be minimal, due to the small scope of the project and the fact that the project is located near existing PPL Electric facilities.

22. Visual impacts of the Project are expected to be minimal and incremental, based on the fact that the Project, as discussed above, is small in scope and the fact that the project is located near existing PPL Electric facilities.

23. No nearby communication towers, pipelines or other utilities will be affected by the proposed project. Stroudsburg Pocono Airport is located approximately 3.2 miles northeast of the project location. PPL Electric will file the appropriate documentation with both the Federal Aviation Administration and the PennDOT Bureau of Aviation to ensure the proposed line section is not a hazard to the airport's flight operations.

24. This project was reviewed with the Pennsylvania Historical and Museum Commission ("PHMC"). The PHMC has determined that, even though historic buildings,

structures and/or archaeological resources are located in the project area, the proposed Project should have no effect on these resources (File No. ER 2009-1950-089-A).

25. The following lists were reviewed for the presence of historical districts and structures in the area:

- National Historic Landmarks in Pennsylvania
- National Register Historic Districts in Pennsylvania
- National Register Individual Properties and Historic Districts in Pennsylvania
- National Register/Listed and Eligible Properties in Pennsylvania

26. The proposed project will not affect any unique geological, scenic or natural areas. The Indian Chair, a geologic feature, is located approximately 2.45 miles west of the project location. Also, a section of the Appalachian Trail is located approximately 2.45 miles southeast of the project location. These features will not be affected due to their distance from the project location, the extensive development between the features and the project location and the small scale size/scope of the proposed project.

27. No National Natural Landmarks, parks, or natural areas are located near the project area. The Delaware Water Gap National Recreation Area is located approximately 2 miles from the project location. This feature will not be affected due to its distance from, and the extensive development between, the feature and the project location.

28. No tree clearing is required along the section of new transmission line. The line will not cross any wetlands or other aquatic resources. PPL Electric will acquire necessary soil erosion and sedimentation control permits and comply with all conditions imposed by the agencies issuing the permits.

29. PPL Electric has consulted with state and federal agencies to obtain information regarding endangered and threatened species in close proximity to the Project. A review of the

Pennsylvania Natural Diversity Inventory (“PNDI”) records indicates that there are potential impacts under the Pennsylvania Department of Conservation and Natural Resources (“DCNR”), Pennsylvania Fish and Boat Commission and the U.S. Fish and Wildlife Service regulations for species of special concern and resources within, or in close proximity to the project area. PPL Electric retained Mellon Biological Services to respond to the agencies’ requests for additional information regarding the project. Mr. Mellon reviewed the project area and made the determination that no conflicts exist at the project site. Mr. Mellon sent documentation of his findings to the appropriate agencies for review. Correspondence from the agencies indicates that no impacts are anticipated and no further coordination is needed for this project (PNDI Number: 20090720202360).

30. The Project was reviewed with representatives of Stroudsburg Borough and Monroe County. They have no objection to the Project.

31. Appendix B in the Exhibits and Appendices accompanying this Letter of Notification explains PPL Electric’s standards for Magnetic Field Management.

32. Appendix C accompanying this Letter of Notification contains a list of the involved governmental agencies, municipalities and other public entities.

33. Copies of this Letter of Notification are being served in accordance with 52 Pa. Code § 57.72(d)(3).

34. 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 Project. Such notice will contain: (a) the date this Letter of Notification was filed with the Commission; (b) a brief description of the Project and its location; (c) locations where the complete Letter of Notification

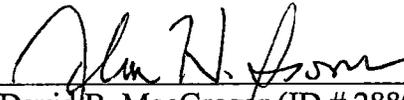
may be reviewed by the public; and (d) an instruction that the interested parties should contact, within 15 days, James J. McNulty, Secretary, at the Commission's Harrisburg address.

35. 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 Project 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 siting and construction of approximately 275 feet (three spans) of new 138 kV transmission line around the existing Stroudsburg Substation and the Stroudsburg #1 and #2 138 kV Tap Lines in the Borough of Stroudsburg, Monroe County, Pennsylvania, that is explained above and in the Exhibits and Appendices hereto.

Respectfully submitted,



David B. MacGregor (ID # 28804)
Post & Schell, P.C.
Four Penn Center
1600 John F. Kennedy Boulevard
Philadelphia, PA 19103-2808
Phone: 215-587-1197
Fax: 215-320-4879
E-mail: dmacgregor@postschell.com

Paul E. Russell (ID # 21643)
Associate General Counsel
PPL Services Corporation
Office of General Counsel
Two North Ninth Street
Allentown, PA 18106
Phone: 610-774-4254
Fax: 610-774-6726

John H. Isom (ID # 16569)
Post & Schell, P.C.
17 North Second Street
12th Floor
Harrisburg, PA 17101-1601
Phone: 717-731-1970
Fax: 717-731-1985
E-mail: jisom@postschell.com

Of Counsel:

Post & Schell, P.C.

Date: January 22, 2010

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.


David G. DeCampli

Date: January 22, 2010

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, Pennsylvania 17120-0053
Attn: Mr. Douglas C. McLearen, Chief

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

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

Monroe County Planning Commission
1 Quaker Plaza, Room 106
Stroudsburg, PA 18360
Attn: John Woodling, Executive Director

Monroe County Commissioners
1 Quaker Plaza, Room 201
Stroudsburg, PA 18360
Attn: Suzanne McCool, Chairman

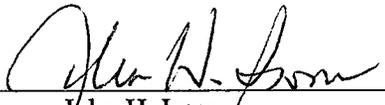
Stroudsburg Borough
700 Sarah Street
Stroudsburg, PA 18360
Attn: Charlie Baughman, Mayor

Stroudsburg Borough
700 Sarah Street
Stroudsburg, PA 18360
Attn: Barbara K. Quarantello, Borough Manager

Stroudsburg Borough Council
700 Sarah Street
Stroudsburg, PA 18360
Attn: Kim M. Diddio, President

Stroudsburg Borough Planning Commission
700 Sarah Street
Stroudsburg, PA 18360
Attn: William H. Miller Jr., Chairman

Date: January 22, 2010



John H. Isom