



17 North Second Street  
12th Floor  
Harrisburg, PA 17101-1601  
717-731-1970 Main  
717-731-1985 Fax  
www.postschell.com

Jessica R. Rogers

jrogers@postschell.com  
717-612-6018 Direct  
717-731-1985 Fax  
File #: 2507/140066

May 27, 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

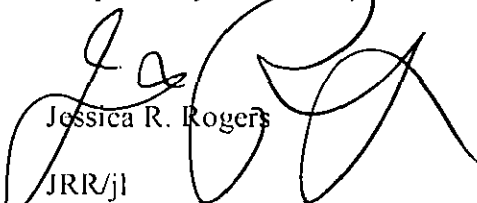
**RE: Letter Of Notification Of PPL Electric Utilities Corporation, Filed Pursuant To 52 Pa. Code Chapter 57 Subchapter G, With Respect To The Tafton #2 138/69 kV Tap Line in Blooming Grove Township, Pike County, Pennsylvania  
Docket No. A-2011-**

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

RECEIVED  
2011 MAY 27 PM 2:24  
PA PUC  
SECRETARY'S BUREAU

May 27, 2011

Page 2

cc: Certificate of Service  
Robert F. Young  
Paul T. Diskin  
Nicholas Okoro  
Kimberly Hafner

**BEFORE THE  
PENNSYLVANIA PUBLIC UTILITY COMMISSION**

Re: Letter Of Notification Of PPL Electric :  
Utilities Corporation, Filed Pursuant To 52 :  
Pa. Code Chapter 57 Subchapter G, With : Docket No. A-2011-\_\_\_\_\_  
Respect To The Tafton #2 138/69 kV Tap :  
Line in Blooming Grove Township, Pike :  
County, Pennsylvania :

---

**LETTER OF NOTIFICATION**

---

**RECEIVED**  
**2011 MAY 27 PM 2:25**  
**PA PUC**  
**SECRETARY'S BUREAU**

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 construction of the Tafton #2 138/69 kV Tap Line from the existing Blooming Grove – Honesdale 138/69 kV Transmission Line, which will supply the Tafton 69-12 kV Substation. The project will require approximately 460 feet of new 138/69 kV transmission line to be constructed in Blooming Grove Township, Pike County, Pennsylvania. In support thereof, PPL Electric states as follows:

**I. INTRODUCTION**

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

2. PPL Electric's address is:

Two North Ninth Street  
Allentown, Pennsylvania 18101

3. PPL Electric's attorneys are:

David B. MacGregor (Pa. Bar I.D. #28804)  
Post & Schell, P.C.  
Four Penn Center  
1600 John F. Kennedy Boulevard  
Philadelphia, PA 19103-2808  
Voice: 215.587.1197  
Fax: 215.320.4879  
E-mail: dmacgregor@postschell.com

John H. Isom (Pa. Bar I.D. # 16569)  
Jessica R. Rogers (Pa. Bar I.D. # 309842)  
Post & Schell, P.C.  
17 North Second Street  
12th Floor  
Harrisburg, PA 17101-1601  
Voice: 717.612.6032  
Fax: 717.731.1985  
E-mail: jisom@postschell.com  
E-mail: jrogers@postschell.com

Paul E. Russell (Pa. Bar I.D. #21643)  
Associate General Counsel  
PPL Services Corporation  
Two North Ninth Street  
Allentown, PA 18101  
Voice: 610.774.4254  
Fax: 610.774.6726  
E-mail: perussell@pplweb.com

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

4. PPL Electric furnishes electric service to approximately 1.4 million customers throughout its certificated service territory, which includes all or portions of twenty-nine counties and encompasses approximately 10,000 square miles in eastern and central Pennsylvania. PPL Electric is a "public utility" and an "electric distribution company" as

defined in Sections 102 and 2803 of the Pennsylvania Public Utility Code, 66 Pa. C.S. §§ 102, 2803.

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

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

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

## **II. PROJECT SUMMARY**

7. PPL Electric is proposing to transfer the power source of the Tafton 69-12 kV Substation from the Blooming Grove – West Damascus 138/69 kV Transmission Line to the Blooming Grove – Honesdale 138/69 kV Transmission Line. PPL Electric is proposing to do this as part of a multi-project program that is aimed at relieving overloading of certain facilities and improving reliability of service in Pike and Wayne Counties.

8. The proposed Tafton #2 138/69 kV Tap Line is located in Blooming Grove Township, Pike County. The project area is primarily surrounded by undeveloped wooded parcels. The Blooming Grove 230 – 69 kV Substation is located approximately 0.25 miles to the

south. Due to the transmission facilities already existing in the area and the limited size of this project, PPL Electric anticipates that the incremental impacts of the project will be minimal.

9. The proposed Tafton #2 138/69 kV Tap Line will be located in Blooming Grove Township, Pike County. An aerial plot plan is provided at the end of Attachment 2 of this Letter of Notification. The plot plan depicts the location of the existing and proposed facilities.

10. The proposed Tafton #2 138/69 kV Tap Line will involve the construction of a new 138/69 kV Tap from the existing Blooming Grove - Honesdale 138/69 kV Transmission Line to the Tafton 69-12 kV Substation. The purpose of the proposed construction is to improve the reliability of service in Pike County. This project is the first step of a multi-stage program that will be implemented to increase the reliability of service in Pike and Wayne Counties. PPL Electric will file with the Commission for appropriate approvals prior to commencement of its other planned projects.

11. The Tafton 69-12 kV Substation is currently supplied by the Blooming Grove – West Damascus 138/69 kV Transmission Line. Figure 1 to Attachment 1 of this Letter of Notification provides a one-line diagram of the existing transmission system configuration. The Blooming Grove – West Damascus 138/69 kV Line serves 7 substations and 22,000 customers in Pike and Wayne Counties. In the vicinity of the Tafton Substation, the Blooming Grove – West Damascus line runs adjacent to the Blooming Grove – Honesdale 138/69 kV Transmission Line.

12. 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. The RP&P guidelines

recommend that normal 69 kV line loading not exceed 60 MVA,<sup>1</sup> so that for the loss of one line, the load from the out-of-service line can be transferred to another in-service line.

13. By the 2012-2013 winter, the projected loading on the Blooming Grove – West Damascus line during peak winter conditions is projected to be 81 MVA. The loading on the Blooming Grove – West Damascus line will exceed the recommended guideline of 60 MVA. Also, transferring load as a result of the loss of this line would cause other transmission lines in the area to exceed their emergency thermal ampacity rating. Exceeding the emergency thermal ampacity rating could cause other transmission lines to fail.

14. By the 2012-2013 winter, the loss of the Blooming Grove – West Damascus 138/69 kV Line, which is supplied by the Blooming Grove Substation, would initially interrupt 81 MW of load. Transferring load from the Blooming Grove Substation to the Peckville Substation would be limited to prevent low voltage at the end of the Blooming Grove - West Damascus Line, and to prevent overloading segments of small-sized conductor on the Peckville - Varden Line. Under these circumstances, customer load served by distribution substations located at Tafton, Kimbles, Tennessee Gas Pipeline (Customer), Indian Orchard, Bohemia, and West Damascus would be interrupted by the Power Dispatcher in order to restore voltage along the line to within the acceptable operating range.

15. For these reasons, an outage of the Blooming Grove – West Damascus Line would interrupt approximately 72 MW of customer load for extended periods. The maximum allowable load loss for a single-circuit line for up to 10 hours outage under the RP&P guidelines is 30 MW. An outage on the Blooming Grove – West Damascus Line, as it is currently configured, would violate the RP&P guideline.

---

<sup>1</sup> Million Volt-Amperes.

16. To resolve the problem described above, PPL Electric proposes several projects to reduce the loading on the Blooming Grove - West Damascus 138/69 kV Line. The project described in this Letter of Notification is one of the projects that, together with those other projects, will resolve the overloading of the Blooming Grove – West Damascus 138/69 kV Line. This project will transfer the electric supply source for the Tafton 69-12 kV Substation from the Blooming Grove – West Damascus 138/69 kV Transmission Line to the Blooming Grove – Honesdale 138/69 kV Transmission Line.

17. The transfer proposed in this Letter of Notification will be accomplished by constructing a double tap-single feed connection (“DT/SF”) to the Tafton 69-12 kV Substation. Presently, the Tafton Substation is supplied via the single circuit Tafton #1 138/69 kV Tap from the Blooming Grove – West Damascus 138/69 kV Transmission Line. The proposed project involves the construction of the Tafton #2 138/69 kV Tap from the Blooming Grove – Honesdale 138/69 kV Transmission Line. The DT/SF connection will be used by the Transmission Operations group to balance the load on the Blooming Grove – West Damascus line by transferring the load to the Blooming Grove – Honesdale line. Switches in the Blooming Grove- West Damascus and Blooming Grove – Honesdale 138/69 Lines and the DT/SF connection also provide the Transmission Operations group with the flexibility to transfer the Tafton load between the Blooming Grove – West Damascus line and Blooming Grove – Honesdale lines to permit maintenance and in the event of an outage.

18. By the 2012-2013 winter, the projected loading on the Blooming Grove – Honesdale line will only be 35 MVA if this project were not constructed. Therefore, the Blooming Grove – Honesdale line has ample capacity available to supply the Tafton 69-12 kV Substation.

19. After this project is completed, the projected peak winter load on the Blooming Grove – Honesdale line will be 48 MVA, and the projected loading on the Blooming Grove – West Damascus line under peak winter conditions will be approximately 71 MVA, which is closer to the RP&P guideline. As stated above, this project is part of a multi-project solution to increase reliability of service in Pike and Wayne Counties. Upon completion of the remaining projects within this program, the projected peak winter loading on the Blooming Grove – West Damascus line will be below the RP&P guideline. PPL Electric will submit additional filings relative to the remaining projects as required.

20. Figure 2 to Attachment 1 of this Letter of Notification provides a one-line diagram showing the proposed 138/69 kV tap line.

21. The Tafton #2 138/69 kV Tap Line will require the construction of approximately 460 feet of new 138/69 kV line. The line will be designed and constructed for 138 kV operation, although it will be operated initially at 69 kV.

22. The proposed Tafton #2 138/69 kV Tap Line will require 3 steel mono-poles, a steel double H-Frame structure and 2 Load Sectionalizing Air Break Switch (“LSAB”) structures, and removal of two existing poles within the project area. The proposed Tafton #2 138/69 kV Tap Line will consist of three power conductors and one overhead ground wire. The power conductors will be 556.5 kcmil<sup>2</sup> 24/7 strand ACSR.<sup>3</sup> The overhead ground wire will be 3/8-inch steel and will provide lightning protection for the proposed tap line and communications equipment installed on the poles.

---

<sup>2</sup> Kcmil stands for thousand circular mils. A circular mil is the cross-sectional area of a wire one mil in diameter, where 1 kcmil = 0.5067 mm<sup>2</sup>.

<sup>3</sup> ACSR stands for Aluminum conductor steel reinforced.

23. The double H-Frame structure will be approximately 38 feet tall, with conductors 28 feet above grade, and will be guyed. The relatively low 28 foot height is required because the two taps will cross beneath the existing Blooming Grove – Peckville 230 kV Transmission Line.

24. The two LSAB structures will be approximately 57 feet tall and will be direct embedded.

25. The Tafton #2 138/69 kV Tap Line will be designed to comply with the applicable standards in the National Electrical Safety Code (“NESC”).

26. The total estimated cost to design and construct the proposed project is \$565,000.

27. Construction of this project is scheduled to begin in February 2012 to meet an in-service date of September 2012.

28. The proposed Tafton #2 138/69 kV Tap Line will be constructed in part on property owned in fee by PPL Electric and in part on a preexisting right-of-way. No additional right-of-way is required.

29. Because the proposed Tafton #2 138/69 kV Tap Line will require only 460 feet of new 138/69 kV transmission line and will be installed near existing transmission lines, the proposed construction will have only minimal incremental impacts on the area. In addition, the project will be surrounded by undeveloped wooded parcels, which will create a visual buffer and will further reduce the visual impact of this project.

### **III. LETTER OF NOTIFICATION**

30. Accompanying this Letter of Notification is a separately bound volume containing Attachments 1-7, which provide additional information about the proposed Tafton #2 138/69 kV Tap Line. This Letter of Notification and accompanying Attachments, which are incorporated herein by reference, contain all of the information required by 52 Pa. Code § 57.72(d)(4).

31. 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 construction of the Tafton #2 138/69 kV Tap Line from the existing Blooming Grove - Honesdale 138/69 kV line to the Tafton Substation qualifies for the use of a Letter of Notification because the Tafton #2 138/69 kV Tap Line will be less than two miles in length.

32. The Necessity Statement for the proposed construction of the Tafton #2 138/69 kV Tap Line is provided as Attachment I accompanying this Letter of Notification. As explained therein, the purpose of the proposed Tafton #2 138/69 kV Tap Line is to improve the reliability of service to the Pike County area by reducing the overloading on the Blooming Grove – West Damascus 138/69 kV Transmission Line.

33. In determining the need for the project, PPL Electric did not consider any alternatives. PPL Electric was unable to identify any reasonable or practical alternative means of transferring the load served by the Tafton 69-12 kV Substation from the Blooming Grove – West Damascus 138/69 kV Transmission Line to the Blooming Grove – Honesdale 138/69 kV Transmission Line. Therefore, no functional alternative was evaluated.

34. The proposed Tafton #2 138/69 kV Tap Line will not create any unreasonable risk of danger to public health or safety. The Tafton #2 138/69 kV Tap Line will be designed, constructed, operated, and maintained in a manner that meets all applicable NESC standards and legal requirements. Descriptions of NESC standards, PPL Electric's design criteria, and PPL Electric's safety practices are provided in Attachment 4.

35. The Engineering Description of the proposed Tafton #2 138/69 kV Tap Line is provided in Attachment 2 accompanying this Letter of Notification.

36. The proposed Tafton #2 138/69 kV Tap Line will be located in part on property owned in fee by PPL Electric, and in part on a preexisting right-of-way. The project area is already cleared of trees, and contains unpaved access roads.

37. No communication towers, pipelines, or other utilities will be affected by the proposed Tafton #2 138/69 kV Tap Line. The nearest airport is approximately 4.1 miles from the project area. PPL Electric will contact the PennDOT Bureau of Aviation and the Federal Aviation Administration to ensure that the proposed Tafton #2 138/69 kV Tap Line will not be a hazard to flight operations. The Company, however, does not anticipate any interference due to the presence of larger transmission lines near the project.

38. The proposed Tafton #2 138/69 kV Tap 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 properties, and no further investigations are required.<sup>4</sup>

39. The proposed Tafton #2 138/69 kV Tap Line will not affect any unique geological, scenic, or natural areas. Further, the Tafton #2 138/69 kV Tap Line will not cross any wetlands or other aquatic resources. No tree clearing is required for the proposed project. PPL Electric will acquire any required soil erosion and sedimentation control permits and will comply with all conditions imposed by such permits.

40. PPL Electric has consulted with state and federal agencies to obtain information regarding endangered and threatened species in close proximity to the proposed Tafton #2 138/69 kV Tap Line.<sup>5</sup> A review of the Pennsylvania Natural Diversity Inventory (“PNDI”) records indicated that the project could potentially impact ospreys. PPL Electric hired an

---

<sup>4</sup> The applicable File Number is ER 2011-0371-103-A.

<sup>5</sup> The PNDI Search ID for this project is 20101109270233.

independent company to conduct a review of the proposed project area to determine whether there would be impacts to ospreys. The review showed that the project would not impact ospreys. It has been submitted to the Pennsylvania Game Commission. The proposed Tafton #2 138/69 kV Tap Line will not create any risk to endangered or threatened species.

41. The proposed Tafton #2 138/69 kV Tap Line was reviewed with representatives of Blooming Grove Township and Pike County, and neither the Township nor the County has any objection.

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

43. 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).

44. Attachment 7 accompanying this Letter of Notification contains a list of the owners of property within the Right-of-Way. Copies of this Letter of Notification are being served on the owners of properties listed in Attachment 7.

45. 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 Tafton #2 138/69 kV Tap 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.

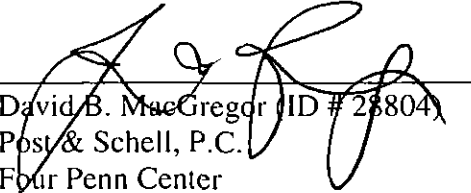
46. This Letter of Notification is filed on the date set forth below. As provided in 52 Pa. Code § 57.72(d)(5), the Commission will review and, by order, approve or disapprove this Letter of Notification. If the Commission approves this Letter of Notification, the proposed Tafton #2 138/69 kV Tap Line 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 Tafton #2 138/69 kV Tap Line in Blooming Grove Township, Pike County, Pennsylvania, that is explained above and in the Attachments hereto.

Respectfully submitted,

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  
E-mail: perussell@pplweb.com

  
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

Of Counsel:  
Post & Schell, P.C.

John H. Isom (ID # 16569)  
Jessica R. Rogers (ID # 309842)  
Post & Schell, P.C.  
17 North Second Street  
12<sup>th</sup> Floor  
Harrisburg, PA 17101-1601  
Phone: 717-731-1970  
Fax: 717-731-1985  
E-mail: jisom@postschell.com  
E-mail: jrogers@postschell.com

Date: 5/27/11

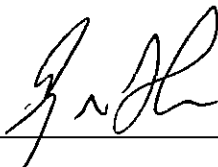
*Attorneys for PPL Electric Utilities Corporation*

RECEIVED  
2011 MAY 27 PM 2:25  
PA PUC  
SECRETARY'S BUREAU

**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: 5/23/11

  
\_\_\_\_\_

RECEIVED  
2011 MAY 27 PM 2:25  
PA PUC  
SECRETARY'S BUREAU

**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, 2<sup>nd</sup> Floor  
Harrisburg, PA 17120-0053  
Attn: Mr. Douglas C. McLearn, Chief

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

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

Pike County Commissioners  
506 Broad Street  
Milford, PA 18337  
Attn: Richard A. Caridi, Chairman

Pike County Planning Commission  
837 Rte 6, Unit 4,  
Shohola, PA 18458  
Attn: Georgene Snyder, Chair

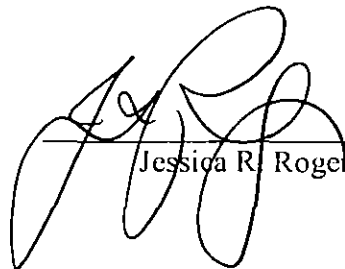
Blooming Grove Township  
Board of Supervisors  
488 Route 739  
Blooming Grove, PA 18428  
Attn: Fred D. Hatton, Chairman

Blooming Grove Township  
Planning Board  
488 Route 739  
Blooming Grove, PA 18428  
Attn: Levi Travis, Sr., Chair

Blooming Grove Hunting  
and Fishing Club  
123 Old Field Road  
Hawley, PA 18428

RECEIVED  
2011 MAY 27 PM 2:24  
PA PUC  
SECRETARY'S BUREAU

Date: May 27, 2011

  
\_\_\_\_\_  
Jessica R. Rogers