

Ward Smith
Assistant General Counsel
2301 Market Street / S23-1
Philadelphia, PA 19103

Direct Dial: 215-841-6863

July 31, 2015

VIA FEDERAL EXPRESS

Rosemary Chiavetta, Secretary
Pa. Public Utility Commission
Commonwealth Keystone Building
400 North Street, Second Floor - West
Harrisburg, PA 17120

**RE: Letter of Notification of PECO Energy Company Pursuant to 52 Pa. Code
Chapter 57 Subchapter G with Respect to the Reconfiguration of a Segment of
PECO's 220-24 230 kV Transmission Line
PUC Docket No.: A-_____**

Dear Ms. Chiavetta:

Enclosed for filing with the Commission is *PECO Energy Company's Letter of Notification* with regard to the matter referenced above.

I have enclosed a Certificate of Service showing that a copy of the above document was served on the interested parties. Thank you for your time and attention on this matter.

Very truly yours,



Ward L. Smith
Counsel for PECO Energy Company

cc: Certificate of Service

WS/lo

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PA PUBLIC UTILITY COMMISSION
SECRETARY'S BUREAU

**BEFORE THE
PENNSYLVANIA PUBLIC UTILITY COMMISSION**

Letter of Notification of PECO Energy :
Company Pursuant to 52 Pa. Code :
Chapter 57 Subchapter G With Respect : **Docket No. A-_____**
to the Reconfiguration of a Segment of :
PECO's 220-24 230 kV Transmission :
Line :

LETTER OF NOTIFICATION

I. INTRODUCTION AND OVERVIEW

1. This Letter of Notification is filed pursuant to 52 Pa. Code §57.72(d)(1) (vi) to request the approval of the Pennsylvania Public Utility Commission ("Commission") to construct approximately one-third (1/3) mile of 230kV transmission line located in Peach Bottom Township, York County, Pennsylvania. As more fully described hereafter, this transmission line work is necessary to replace a short run of existing underground transmission facility that electrically connects PECO's Peach Bottom North Substation and PECO's Peach Bottom Terminal Yard. Subject to the Commission's siting approval, construction of the proposed transmission line modifications described herein is scheduled to begin in September 2015. This Letter of Notification and the accompanying Exhibits, which are incorporated herein by reference, contain all of the information required by 52 Pa. Code § 57.72(d)(4) for the siting approval requested herein.

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II. THE APPLICANT AND ITS ATTORNEY(S)
(52 Pa. Code § 52.72(c)(1) and (2))

2. The applicant is PECO Energy Company (“PECO” or the “Company”), 2301 Market Street, Philadelphia, Pennsylvania 19101. PECO is a public utility that supplies light, heat and power to the public, by means of electricity, in all or portions of six counties in southeastern Pennsylvania, including portions of York County. PECO is a “public utility” and an Electric Distribution Company (“EDC”), as those terms are defined in Sections 102 and 2803 of the Public Utility Code (66 Pa. C.S. §§102 and 2803), and is subject to the regulatory jurisdiction of the Commission.

3. PECO’s attorney is:

Ward L. Smith
Assistant General Counsel
PECO Energy Company
2301 Market Street, S23-1
Philadelphia, PA 19101
215 841-6863
ward.smith@exeloncorp.com

PECO’s attorney is authorized to receive all notices and communications regarding this Letter of Notification.

III. THE NEED FOR THE PROPOSED TRANSMISSION
LINE MODIFICATIONS
52 Pa. Code § 52.72 (c)(5)

4. PECO’s Peach Bottom North Substation and PECO’s Peach Bottom Terminal Yard are currently electrically connected with a 230 kV Low-Pressure Fluid Filled (“LPFF”)

underground cable. The LPFF cable is nearing the end of its useful life and needs to be replaced to ensure continued reliable electrical connection of these two facilities. The LPFF cable technology in use at this site is no longer being manufactured. PECO is therefore replacing the existing underground LPFF cable with an aerial 230 kV transmission line. An aerial photograph showing the location of the proposed transmission line is attached to this Letter as Exhibit A.

5. The purpose of the transmission line work that is the subject of this Letter is to replace the existing electrical connection between the Peach Bottom North Substation and the Peach Bottom Terminal Yard. Doing so requires construction approximately 1/3 mile of transmission facilities, all located on PECO property, all immediately adjacent to existing substation or terminal yard facilities.

IV. GENERAL DESCRIPTION OF THE LINE MODIFICATIONS

52 Pa. Code § 52.72 (c)(3)

6. The general line modification needed for this project is to construct approximately 1/3 mile of new transmission facilities immediately adjacent to an existing substation and terminal yard, to replace the existing electrical connection between those facilities. The location of the transmission construction is adjacent to these electrical facilities, and crosses an existing right-of-way for existing 500 kV aerial transmission facilities. The line will be comprised of four new transmission towers (one tubular and three H-frames). The land over which the transmission facilities will be constructed is owned by PECO.

V. SAFETY CONSIDERATIONS
52 Pa. Code § 52.72 (c)(6)

7. The design criteria used for the transmission line work described herein is set forth in the PECO's standards for transmission line construction. These design criteria meet or exceed the requirements of the National Electrical Safety Code ("NESC"). Furthermore, PECO will construct, operate and maintain the transmission facilities in a manner that satisfies or surpasses NESC standards. The proposed project will not create an unreasonable risk of danger to the public health or safety.

8. The electric and magnetic field ("EMF") environment is dominated by the existing substation, terminal yard, and 500 kV transmission line. Under typical loading conditions (that is, with the Peach Bottom Atomic Power Station fully operational and exporting to the grid), the existing 500 kV line has a peak magnetic field value (center of its right-of-way) of 303 milligauss ("mG"). At a lateral distance of 150 feet from centerline, the existing 500 kV line has a magnetic field value of 81 mG. The new 230 kV line will have a peak magnetic field value (center of its right-of-way) of 357 mG. At a lateral distance of 150 feet from centerline, the new 230 kV line will have a magnetic field value of 18 mG. (The configuration of the 230 kV line allows fields to drop off more quickly with distance than for the 500 kV line.) The 500 kV line and the 230 kV line will cross at nearly a right angle; magnetic fields from the two lines therefore may either add or cancel, depending upon the loading on each of the lines and location relative to each of the lines. The highest potential magnetic field value at any point may be determined by making an additive assumption and combining the 500 kV and 230 kV field values at that location.

VI. SITING AND ENVIRONMENTAL AND LAND USE IMPACTS

9. The functional requirements of the project require PECO to build this short line directly next to an existing electric utility substation and terminal yard, and to cross an existing 500 kV transmission right-of-way. This transmission line work will occur almost direct above the underground facility that it is replacing. Before it performs construction work, PECO will conduct an analysis of the presence/absence of wetlands for the project. Where wetlands are identified and access is required, they will be surveyed, marked in the field, and designated on drawings. Where access over wetlands is necessary to perform the construction work, PECO will utilize temporary mats or other approved or permitted methods to avoid damage. As a consequence of all of these factors, the transmission line construction proposed for approval herein will create minimal if any new environmental and land use impacts.

10. No communications towers, pipelines or other utilities will be affected by the proposed transmission line modifications. Because the project involves construction on or immediately adjacent to an existing transmission line corridor, PECO has concluded that the proposed modifications will have no impact on any airports. However, PECO will perform all necessary notifications and obtain all necessary permits to comply with FAA and airport requirements.

11. The proposed transmission line modifications will have no significant environmental impacts. No unique geological, scenic or natural areas will be affected. All permits required for the construction and operation of this project will be obtained.

12. Because the project involves construction on or immediately adjacent to an existing transmission line corridor and almost directly above an existing underground transmission facility, PECO has concluded that no historical or archeological sites will be affected.

VII. COMMENCEMENT AND IN-SERVICE DATES
52 Pa. Code § 52.72(d)(4)(ii)

13. This project has a needed in-service date of June 30, 2016. In order to meet this in-service date, PECO needs to commence construction in September 2015.

**VIII. THE SIZE, CHARACTER, DESIGN AND CONFIGURATION OF
THE TRANSMISSION LINE MODIFICATION WILL NOT
SUBSTANTIALLY ALTER THE RIGHTS-OF-WAY**
52 Pa. Code §52.72(d)(4)(iii)

14. This Letter of Notification is filed pursuant to 52 Pa. Code §57.72(d)(1)(vi), and therefore PECO is not required to make a showing regarding whether the proposed construction will substantially alter the right-of-way. Nevertheless, PECO notes that, as explained in Section IV, above, this project will be constructed directly adjacent to an existing electric utility substation and terminal yard, and will be in the immediate vicinity of and then cross an existing 500 kV transmission line. The line will be comprised of four new transmission structures. The magnetic field environment will be dominated by the existing facilities. Therefore, the proposed construction will not substantially alter the area in which the line will be located.

IX. FILING DATE AND PUC PROCEDURES
52 Pa. Code § 52.72(d)(4)(iv)

15. This Letter of Notification is being filed on the date shown next to the signature block 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, PECO will be approved to perform the proposed transmission line modifications as proposed herein without the formal application process set forth at 52 Pa. Code § 57.71 *et seq.* If the Commission does not approve this Letter of Notification, the Commission's Order shall direct PECO to file for approval to construct the proposed project pursuant to the Commission's certification regulations for a full application.

X. SERVICE AND PUBLICATION

16. Copies of the Letter of Notification or Notices of Filing of the Letter of Notification are being served in accordance with 52 Pa. Code § 57.72(d)(3), as evidenced by the Certificate of Service being filed along with this Letter of Notification. Because this project is less than 1/3 mile in length and is located directly next to existing electric utility facilities, PECO does not believe that additional public notice is necessary.

Exhibit A – Location of Proposed T-Line



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AFFIDAVIT

COMMONWEALTH OF PENNSYLVANIA)
: SS
COUNTY OF PHILADELPHIA)

Richard G. Webster, being duly sworn according to law, deposes and says that he is Vice-President, Regulatory Policy and Strategy of PECO Energy Company; that he is authorized to and does make this affidavit for it; and that the facts set forth above are true and correct to the best of his knowledge, information and belief and he expects PECO Energy Company to be able to prove the same at hearing hereof.

Richard G. Webster

Sworn to and subscribed
before me this 31st day
of July, 2015.

Leslie O'Neill

COMMONWEALTH OF PENNSYLVANIA
NOTARIAL SEAL
LESLIE O' NEILL, Notary Public
City of Philadelphia, Phila. County
My Commission Expires April 2, 2019

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CERTIFICATE OF SERVICE

Copies of the above-referenced document have been served, first class mail return receipt requested, on the following:

Peach Bottom Township
545 Broad St. Exd.
Delta, PA 17314

Attn: Chief executive officer, governing body and the body charged with the duty of planning land use.

The Department of Environmental Resources,
Attention: Bureau of Environmental Planning
Post Office Box 2357,
101 S. Second Street,
Harrisburg, Pennsylvania 17120

Secretary, Department of Transportation,
Room 1200 Transportation and Safety Building,
Harrisburg, Pennsylvania 17120

Chairman, Historical and Museum Commission,
Post Office Box 1026,
Harrisburg, Pennsylvania 17120

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Attorney for PECO Energy Company

Dated: July 31, 2015

ORIGIN ID:REDA (215) 841-6853
LESLIE O'NEILL

2301 MARKET STREET, S23-1
PHILADELPHIA, PA 19103
UNITED STATES US

SHIP DATE: 31JUL15
ACTWGT: 1.00 LB
CAD: 104242295/NET3670

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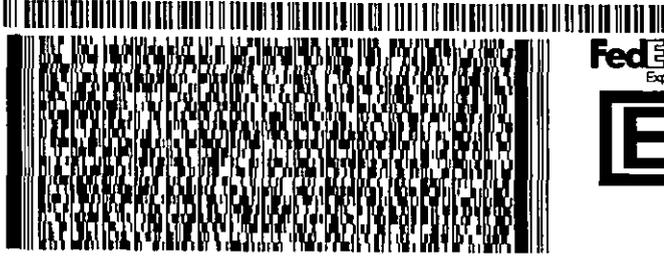
TO ROSEMARY CHIAVETTA, SECRETARY
PA. PUBLIC UTILITY COMMISSION
400 NORTH ST, 2ND FL. - WEST
COMMONWEALTH KEYSTONE BLDG.
HARRISBURG PA 17120

539.071A153100

(717) 787-1399
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