

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

Direct Dial: 215-841-6863

July 22, 2019

Rosemary Chiavetta, Secretary  
Pennsylvania Public Utility Commission  
Commonwealth Keystone Building  
400 North Street, 2<sup>nd</sup> Floor  
Harrisburg, PA 17120

**Re: Letter of Notification of PECO Energy Company for Approval to Reconductor its  
130-20 kV Transmission Line in Falls Township and Bristol Township, Pennsylvania,  
Docket No. A-2019-3011226**

Dear Secretary Chiavetta:

Today PECO Energy Company served a Public Version of the above-noted Letter of Notification (“LON”) on a supplemental service list, as indicated in the attached Supplemental Certificate of Service. This transmittal letter, the Supplemental Certificate of Service, and the Public Version of the LON are attached for filing.

Sincerely,



Ward L. Smith  
Assistant General Counsel

Enclosures  
WLS/az





An Exelon Company

Jennedy S. Johnson  
Assistant General Counsel  
2301 Market Street / S23-1  
Philadelphia, PA 19103

Direct Dial 215-841-4353

June 26, 2019

Rosemary Chiavetta, Secretary  
Pennsylvania Public Utility Commission  
Commonwealth Keystone Building  
400 North Street, 2<sup>nd</sup> Floor  
Harrisburg, PA 17120

**Re: Letter of Notification of PECO Energy Company for Approval to Reconductor its  
130-20 kV Transmission Line in Falls Township and Bristol Township, Pennsylvania,  
Docket No. A-2019-\_\_\_\_\_**

Dear Secretary Chiavetta:

Enclosed for filing is PECO Energy Company's Letter of Notification ("LON") and Verification. PECO has provided answers to the 27 questions listed in the Commission Staff's Letter of Notification Filing Checklist, and all information required by the Commission's regulations is incorporated into those answers.

Hard copies of the Public Version of the filing are being served by certified mail, return receipt requested, as per the enclosed Certificate of Service. Both the Public and Confidential Versions are being filed with the Commission.

Enclosed also please find a check for \$350 to cover the filing fee.

Sincerely,

A handwritten signature in black ink, appearing to read "J. S. Johnson".

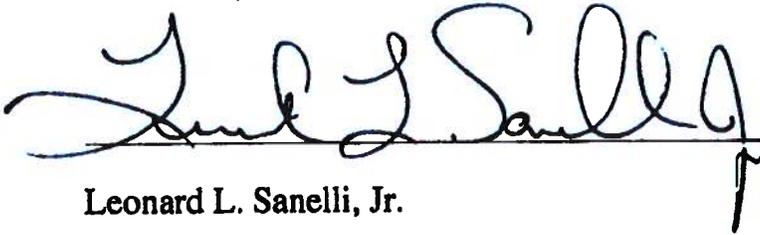
Jennedy S. Johnson  
Assistant General Counsel

Enclosures  
JJ/lid

cc: Law Bureau  
Bureau of Technical Utility Services  
Certificate of Service

## **VERIFICATION**

**I, Leonard L. Sanelli, Jr., hereby state that I am PECO's Director – Project and Contract Management, that the facts set forth in the following Letter of Notification and checklist are true and correct to the best of my knowledge, information and belief, and that I expect PECO to be able to prove the same at any 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).**

A handwritten signature in black ink, appearing to read "Leonard L. Sanelli, Jr.", written over a horizontal line. The signature is cursive and includes a vertical stroke at the end.

**Leonard L. Sanelli, Jr.**

**Director -- Project and Contract Management**

**PECO Energy Company**

**June 19, 2019**

**Letter of Notification Filing Checklist**  
**PECO 130-20 LON Application**

In an effort to facilitate the Commission's review process for a Letter of Notification (LON) for the Siting and Construction of Electric Transmission Lines, the following checklist may be consulted by the applicant. The applicable regulatory requirements for a LON application are found in 52 Pa. Code §§ 57.71-77. The checklist is provided to streamline the review process by anticipating requests for additional information that may arise from Commission staff. The checklist does not create additional mandates or regulatory requirements for approval of a LON.

**1. Provide the name of the applicant and the address of its principal business office.**

PECO Energy Company  
2301 Market Street  
Philadelphia, PA 19103

**2. Name, title and business address of the attorney of the applicant and the person authorized to receive notice and communications with respect to the application if other than the attorney or the applicant.**

Ward Smith, Esq.  
Assistant General Counsel  
PECO Energy Company  
2301 Market Street, S23-1  
Philadelphia, PA 19103  
215-841-6863  
[ward.smith@exeloncorp.com](mailto:ward.smith@exeloncorp.com)  
PA Bar No. 47670

**3. General description of the proposed route of the HV line, to include the number of route miles, the right-of-way width and the location of the proposed HV line within each city, borough, town and township traversed. Describe which sections of 52 Pa. Code §57.72(d)(1)(i)-(iv) the applicant believes are applicable.**

The 130-20 line is an existing 138 kV line from PECO's Emilie Substation, extending approximately four route miles through Bristol Township and Falls Township, Pennsylvania. PECO proposes to re-conductor the existing line using existing structures.

The proposed project is located entirely within Bristol Township and Falls Township, Pennsylvania. An aerial photograph showing the route of the existing 130-20 line (which will also be the re-conducted 130-20 line) is provided as PECO Attachment Q3.

The existing and future right-of-way is 75 feet in width.

This application is made pursuant to two provisions of 52 Pa. Code §57.72(d)(1):

- 52 Pa. Code §57.72(d)(1)(i): An HV line which is proposed to be located entirely on an existing transmission line right-of-way, so long as the size, character design or configuration of the proposed HV line does not substantially alter the right-of-way. (The line will be constructed entirely on an existing transmission line right-of-way.)
- 52 Pa. Code §57.72(d)(1)(v): An HV line which is to be reconducted or reconstructed so long as the size, character, design or configuration of the proposed HV line does not substantially alter the right-of-way. (The project is limited to the reconducting of an existing transmission line.)

**4. Provide a general statement of the need for the proposed HV line in meeting identified present and future demands for service, of how the proposed HV line will meet that need and of the engineering justification for the proposed line.**

This is a PJM Regional Transmission Expansion Plan project. The proposed project is number b2774.

PJM reviewed this project at the 12/15/16 PJM Transmission Expansion Advisory Committee (TEAC) meeting on slides 24-26 of the Generator Deactivation Notification Update slide presentation.

The upgrade project will consist of reconducting the Emilie – Falls 138 kV line and replacing station cable and a relay.

With the deactivation of the Mercer #1 & #2 generators in the PSE&G Transmission Zone, this upgrade project will eliminate the overloads observed on the Emilie – Falls 138 kV line due to potential planning criteria violations:

- (a) Emilie – Falls 138 kV line (PECO) is loaded to 124.38% of its emergency rating of 248 MVA for the single contingency loss of the Emilie to Neshaminy 138 kV line during the PJM Generator Deliverability Test
- (b) Emilie – Falls 138 kV line (PECO) is loaded to 122.97% of its emergency rating of 248 MVA for the breaker failure contingency loss of the Neshaminy 138 kV bus during the PJM Generator Deliverability Test

5. Please provide an engineering assessment of the project including information to address the following:

a) Provide an analysis of minimum conductor clearances and conductor thermal ratings.

Conductor clearances for the project meet or exceed the requirements of PECO's Engineering Practice EPP-2090 OHT Design Clearances. The clearance requirement in EPP-2090 exceeds the requirements of NESC-2017.

The proposed new conductor will be 477 kcmil T23 ACCR "Hen" composite core conductor. The PECO rating methodology AM-PE-4022\_R0001 and associated PJM Bare Overhead Conductor Rating-2010 are based on the methodology of the "IEEE-738 Standard for Calculating the Current Temperature Relationship of Bare Overhead Conductors" with the following input parameters:

	<u>Normal Rating</u>	<u>Emergency Rating</u>
Wind speed (fps)	0	2.53
Wind angle	90	90
Latitude	40	40
Amb Temp °C (Sum/Wint)	35/10	35/10
Elev above sea level (ft)	200	20
Atmosphere	Industrial	Industrial
Sun Time (date@time)	6/10@14:00	6/10@14:00
Emissivity	0.7	0.7
Absorptivity	0.9	0.9
Allowable Conductor Temp.	240°C (464°F)	240°C (464°F)
Conductor Rating	1249 Amps	1481 Amps

b) Provide engineering design criteria and parameters such as vertical clearance to ground.

NESC Section 232 required the following vertical clearances for 138 kV facilities:

Ground, Farmland	20.6'
Roadways, Driveways, Parking lots	20.6'
Railroads, above top or rail	28.6'
Area not accessible by vehicles	16.6'

For reconductoring of existing lines (including this project), PECO designs their facilities to meet the NESC rules plus a minimum of 1 foot of additional vertical clearance. Similarly, for the NESC horizontal clearance, PECO adds a minimum of 0.5 feet of additional horizontal clearance.

- c) Provide an explanation as to how the project will be in compliance with the current NESC and, where applicable, information on how the applicant's design specifications and safety rules may exceed NESC suggested standards for transmission lines.

As discussed above, all design clearances are based upon PECO's Engineering Practice EPP-2090 OHT Design Clearances. The clearance requirements in EPP-2090 exceed the requirements of NESC-2017.

6. If applicable, provide the current height of the structures expected to be replaced, the proposed height of the new structures to be installed and the height of the structures to remain in place. Provide the number of structures proposed vs. current number of structures. Provide the location and footprint of the current structures compared to the proposed structures.

No structures will be replaced or revised; only conductors will be replaced.

7. If applicable, state if any properties/easements that did not previously have structures will now have a structure. State if the easement agreement allows for structures on these properties that did not previously have a structure. Explain the Company's process of informing the property owners that a structure will be placed on the easement to their property.

Not applicable. See PECO Answer to Q6.

8. If applicable, what is the PJM project ID No. for the proposed project? Has this project been submitted to the PJM Transmission Expansion Advisory Committee (TEAC)? If so, please provide a description of the project as submitted to the TEAC. If this project is part of a larger project, summarize the larger project of which the LON is a part. Please describe how this project may mitigate potential planning criteria violations.

The PJM Project ID number for the proposed project is b2774.

PJM reviewed this project at the 12/15/16 PJM Transmission Expansion Advisory Committee (TEAC) meeting on slides 24-26 of the Generator Deactivation Notification Update slide presentation.

The upgrade project will consist of reconductoring the Emilie – Falls 138 kV line and replacing station cable and a relay.

With the deactivation of the Mercer #1 & #2 generators in the PSE&G Transmission Zone, this upgrade project will eliminate the overloads observed on the Emilie – Falls 138 kV line due to potential planning criteria violations:

- Emilie – Falls 138 kV line (PECO) is loaded to 124.38% of its emergency rating of 248 MVA for the single contingency loss of the Emilie to Neshaminy 138 kV line during the PJM Generator Deliverability Test
- Emilie – Falls 138 kV line (PECO) is loaded to 122.97% of its emergency rating of 248 MVA for the breaker failure contingency loss of the Neshaminy 138 kV bus during the PJM Generator Deliverability Test

**9. Provide a breakdown of project costs. Please explain who will own, finance and build the proposed project.**

PECO expects the project to cost \$6.5 million. \$1.2 million of that amount is for materials; the remaining \$5.3 million is for labor and related overheads.

**10. If available at the time the LON is filed, please provide a copy of any comments received from state or local officials.**

None.

**11. Please provide the anticipated construction commencement date and the proposed in-service date of the project.**

PECO anticipates performing the reconductoring of this line from September 5 to October 7, 2019 to coordinate with a Fall (shoulder season) transmission outage. PJM has established an expected in service date of no later than December 15, 2019.

**12. Provide evidence to show that the size, character, design and configuration of the proposed HV line will not substantially alter its existing right-of-way, if applicable. Please identify all alterations necessary to the existing right-of-way.**

The project involves reconductoring of a transmission line using existing structures.

In addition, PECO conducted an EMF study to determine the effect on EMF of the new configuration and loads expected using the new configuration. At the L90 loading level (loads will be at or below this the L90 level for 90% of operations), EMF levels at edge of PECO's 75-foot right-of-way are currently 80.8 milligauss ("mG"); with the new conductors and loading, EMF levels at the edge of PECO's 80 foot right-of-way will be 85.6 mG.

The full EMF study is attached as PECO Attachment Q12.

**13. A statement identifying the filing date on which the filing of the LON was or is to be made and a statement as found in 57.72(d)(iv) regarding the Commission's review.**

PECO's Letter of Notification filing is being made June 20, 2019. PECO understands that, pursuant to 57.72(d)(iv), the Commission will review and, by order, approve or disapprove a letter of notification. If the Commission approves a letter of notification, the HV line shall be located and constructed without the application process set forth in this subchapter. If the Commission does not approve the letter of notification, its order shall direct the applicant to comply with the application process set forth in this subchapter.

**14. Provide the number of streams and/or wetlands that will be crossed. Describe how these will be addressed. Will any endangered or threatened species be affected? If a PNDI is required, please provide the results.**

Four perennial streams, one intermittent stream, two PEM wetlands, and three ponds/lakes are currently – and will be – crossed by the aerial 130-20 line. As the proposed project is the reconductoring of an existing aerial transmission line, there will be no temporary or permanent impacts to these resources. For purposes of the PADEP Chapter 105 permit (a GP11), temporary impacts to the floodway of one of the streams were identified; these temporary impacts will result from the use of wooden mats to access structure 129.

No endangered or threatened species will be affected by the proposed project. The PNDI receipt identified potential impacts to species regulated by DCNR and PAFBC. The May 1, 2019 response letter from DCNR determined that upon further review, no impact is anticipated. The May 14, 2019 letter from PAFBC similarly determine that no adverse impacts are anticipated from the project. See PECO Attachment Q14.

**15. Indicate the number of circuits on the proposed line. Note that if only one is being installed at this time, another LON may be needed when the second circuit is added.**

The 130-20 line is one circuit. The structures to which the 130-20 line are attached also carry PECO's 130-39 line; however, PECO is not performing reconductoring work on the 130-39 line.

**16. Please provide a copy of the certificate of service.**

See PECO Attachment Q16.

**17. Provide the specific NERC or other regulatory standard criteria which is driving the proposed project (e.g. TPL-004-1, P.2).**

The NERC standard criteria which are driving the proposed project are:

- TPL-004-1, P1
- TPL-004-1, P4

- 18. Explain why the NERC, or other regulatory standard, violation, is now an issue where it wasn't previously.**

The NERC standard violation is now an issue, where it wasn't previously, due to the deactivation of the Mercer #1 & #2 generators in the PSE&G Transmission Zone which results in an increased loading on the Emilie – Falls 138 kV line. See PECO Answer to Q4.

- 19. Explain whether the proposed project meets NERC or PJM minimum planning criteria or whether it exceeds these criteria to meet transmission owner planning criteria. If the project exceeds either of these minimum planning criteria to meet transmission owner criteria, provide a detailed explanation as to why.**

The project is designed to meet NERC and PJM minimum planning criteria.

- 20. Explain whether load growth in the area has led to any change in circumstances as it relates to the need for the proposed project. If so, quantify these load growth impacts.**

Not applicable.

- 21. State the age and anticipated service life and describe the overall health of the transmission line facilities to be replaced. Additionally, include information related to conditions which may have accelerated aging or led to premature failure of the facilities (e.g. corrosive environment).**

Not applicable.

- 22. Provide information regarding any unplanned outages on the subject transmission facilities over the previous 5 years (or more), including the duration, cause, whether service to customers was interrupted by outages on the subject transmission line(s), and if so, the number and type of customers which were impacted. Additionally, explain whether the proposed project would mitigate the effects of these outages.**

Not applicable.

- 23. Explain whether alternative solutions were considered. If so, provide a brief description of the alternative(s) and provide a detailed explanation of why the chosen solution was selected.**

PECO considered construction of an underground line transmission line, but rejected it based on the estimated \$35 million cost.

**24. Explain whether any of the loads served by the transmission facilities to be replaced are considered to be critical customers.**

Not applicable.

**25. Quantify the anticipated increase in reliability in terms of customer average interruption duration index, system average interruption duration index, and system average interruption frequency index.**

Not applicable.

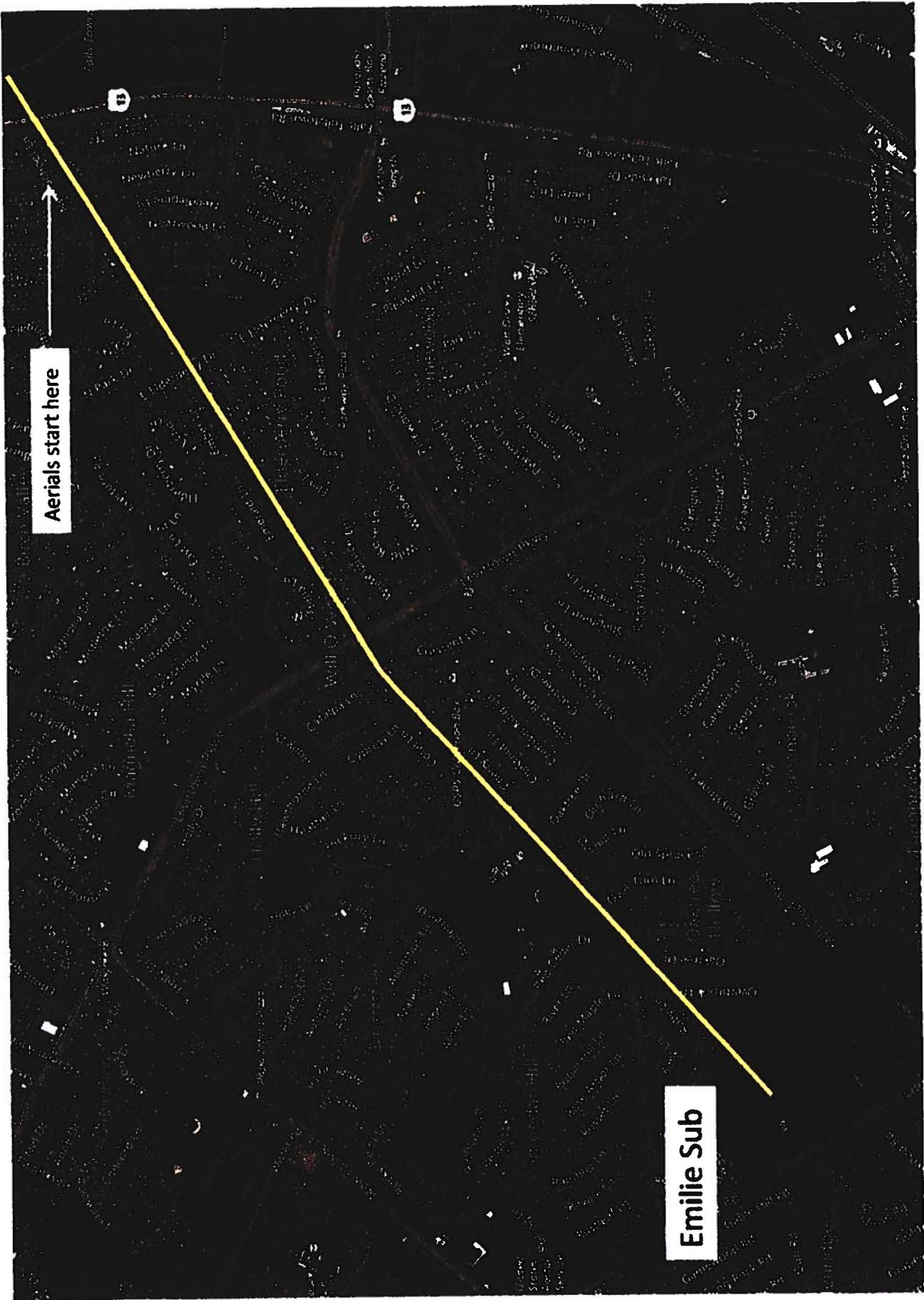
**26. If a transmission owner customer requested the proposed project and is not paying the entire cost, explain why the costs will be assumed by other transmission owner customers.**

Not applicable.

**27. Provide a detailed description of the methodology used to determine that the subject transmission facilities have reached the end of their useful service life. Additionally, provide any survival curves or utility specific data used in this determination.**

Not applicable.

**PECO 130-20 Letter of Notification**  
**PECO Attachment Q3**  
**Aerial Photograph Showing Line Route**



Aerials start here

Emilie Sub

**PECO 130-20 Letter of Notification**

**PECO Attachment Q12**

**EMF Study**

**ATTACHMENT Q12 (PAGES 1-29) IS CONFIDENTIAL**

**PECO 130-20 Letter of Notification**

**PECO Attachment Q14**

**Environmental Letters**

## 1. PROJECT INFORMATION

**Project Name:** PECO Emilie to Falls Reconductoring

**Date of Review:** 4/24/2019 02:35:44 PM

**Project Category:** Energy Storage, Production, and Transfer, Energy Transfer, Power/electric line - service, replace existing above/under-ground line

**Project Area:** 48.54 acres

**County(s):** Bucks

**Township/Municipality(s):** BRISTOL; FALLS

**ZIP Code:** 19054; 19055; 19067

**Quadrangle Name(s):** TRENTON WEST

**Watersheds HUC 8:** Crosswicks-Neshaminy

**Watersheds HUC 12:** Burlington Island-Delaware River; Martins Creek; Mill Creek-Silver Lake

**Decimal Degrees:** 40.164134, -74.819017

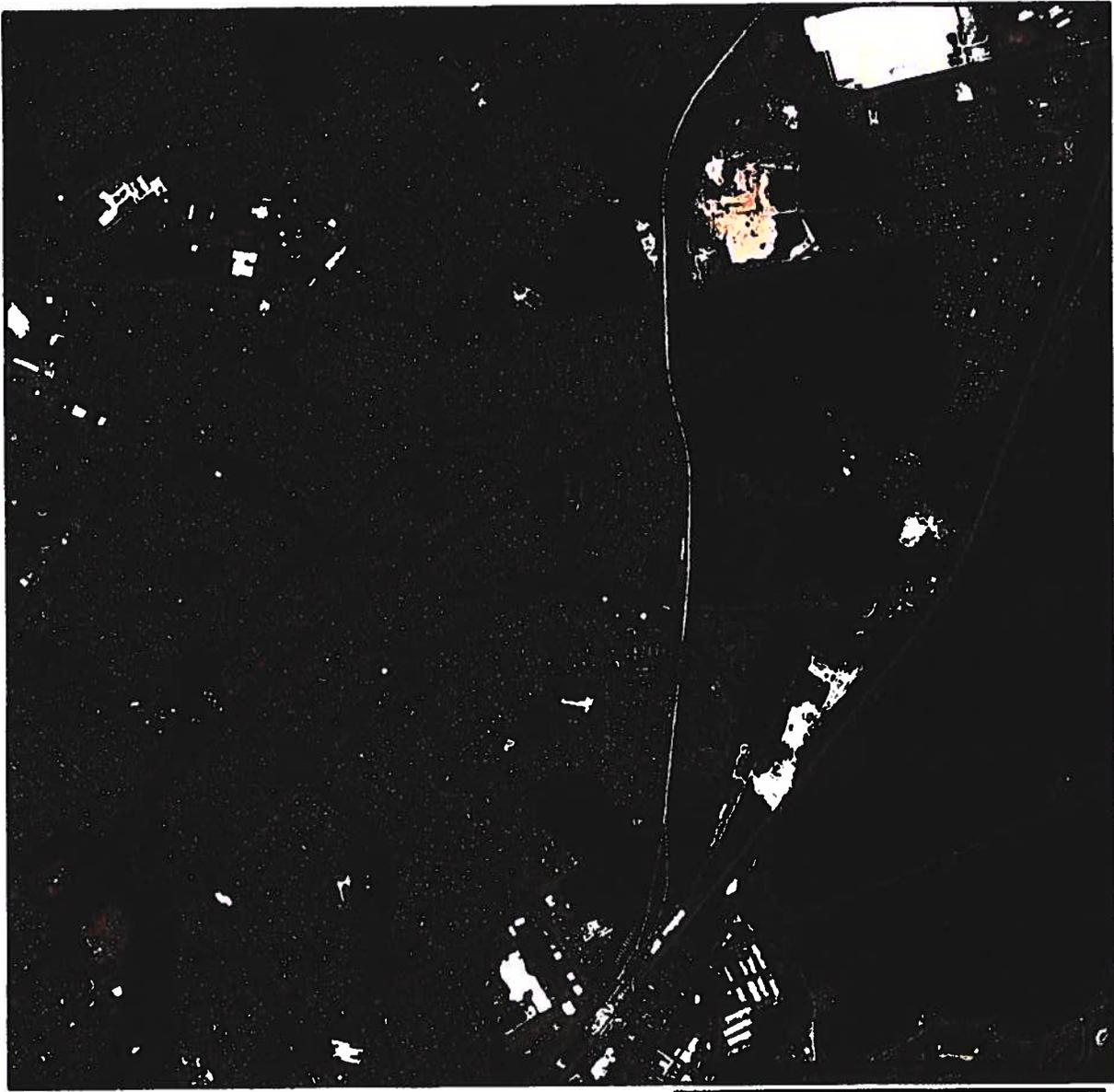
**Degrees Minutes Seconds:** 40° 9' 50.8836" N, 74° 49' 8.4625" W

## 2. SEARCH RESULTS

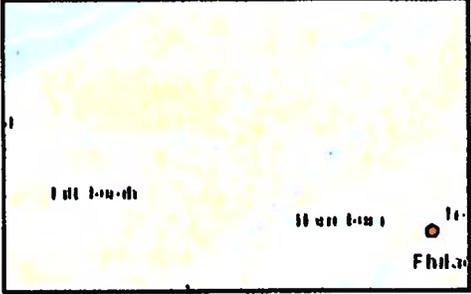
Agency	Results	Response
PA Game Commission	No Known Impact	No Further Review Required
PA Department of Conservation and Natural Resources	Potential Impact	FURTHER REVIEW IS REQUIRED, See Agency Response
PA Fish and Boat Commission	Potential Impact	FURTHER REVIEW IS REQUIRED, See Agency Response
U.S. Fish and Wildlife Service	No Known Impact	No Further Review Required

As summarized above, Pennsylvania Natural Diversity Inventory (PNDI) records indicate there may be potential impacts to threatened and endangered and/or special concern species and resources within the project area. If the response above indicates "No Further Review Required" no additional communication with the respective agency is required. If the response is "Further Review Required" or "See Agency Response," refer to the appropriate agency comments below. Please see the DEP Information Section of this receipt if a PA Department of Environmental Protection Permit is required.

### PECO Emilie to Falls Reconductoring

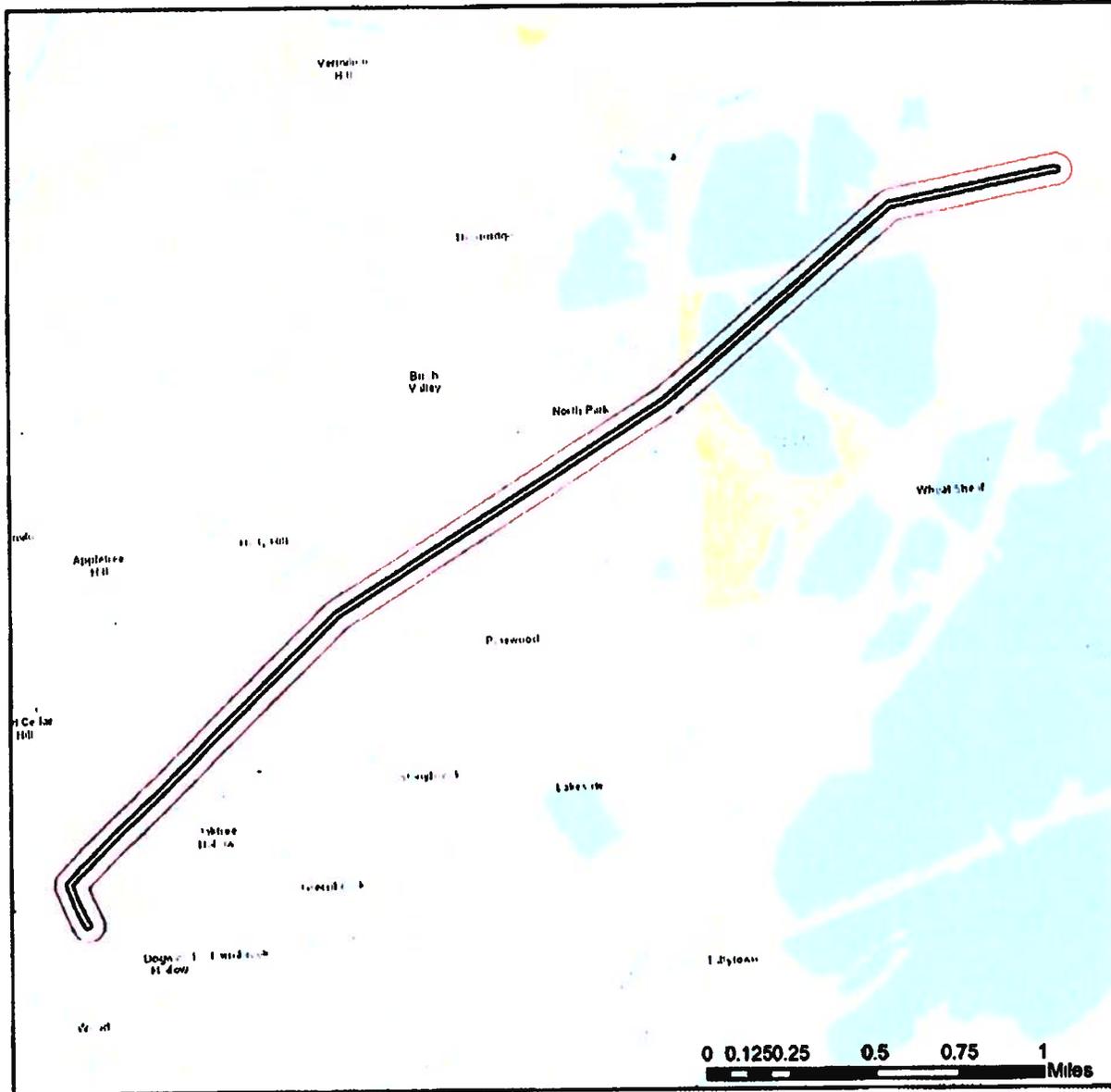


- Project Boundary
- Buffered Project Boundary

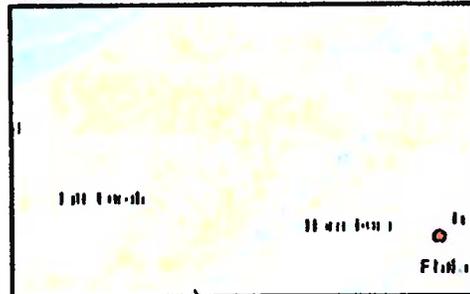


**Service Layer Credits:** Sources: Esri, HERE, DeLorme, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), swisstopo, MapmyIndia, © OpenStreetMap contributors, and the GIS User Community  
Esri, HERE, Garmin, © OpenStreetMap contributors, and the GIS user community

### PECO Emilie to Falls Reconductoring



- Project Boundary
- Buffered Project Boundary



Service Layer Credits: Sources: Esri, HERE, DeLorme, Intermap, Increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), swastopo, MapmyIndia, © OpenStreetMap contributors, and the GIS User Community  
 Sources: Esri, HERE, Garmin, Intermap, Increment P Corp., GEBCO, USGS, FAO, NPS,

## RESPONSE TO QUESTION(S) ASKED

**Q1:** Will the entire project (including any discharge) occur in or on an existing building, parking lot, driveway, road, road shoulder, street, runway, paved area, railroad bed, maintained (periodically mown) lawn, crop agriculture field or maintained orchard?

**Your answer is:** No

**Q2:** Accurately describe what is known about wetland presence in the project area or on the land parcel. "Project" includes all features of the project (including buildings, roads, utility lines, outfall and intake structures, wells, stormwater retention/detention basins, parking lots, driveways, lawns, etc.), as well as all associated impacts (e.g., temporary staging areas, work areas, temporary road crossings, areas subject to grading or clearing, etc.). Include all areas that will be permanently or temporarily affected -- either directly or indirectly -- by any type of disturbance (e.g., land clearing, grading, tree removal, flooding, etc.). Land parcel = the lot(s) on which some type of project(s) or activity(s) are proposed to occur.

**Your answer is:** Someone qualified to identify and delineate wetlands has investigated the site, and determined that wetlands ARE located in or within 300 feet of the project area. (A written report from the wetland specialist, and detailed project maps should document this.)

**Q3:** Aquatic habitat (stream, river, lake, pond, etc.) is located on or adjacent to the subject property and project activities (including discharge) may occur within 300 feet of these habitats?

**Your answer is:** Yes

### 3. AGENCY COMMENTS

Regardless of whether a DEP permit is necessary for this proposed project, any potential impacts to threatened and endangered species and/or special concern species and resources must be resolved with the appropriate jurisdictional agency. In some cases, a permit or authorization from the jurisdictional agency may be needed if adverse impacts to these species and habitats cannot be avoided.

These agency determinations and responses are valid for two years (from the date of the review), and are based on the project information that was provided, including the exact project location; the project type, description, and features; and any responses to questions that were generated during this search. If any of the following change: 1) project location, 2) project size or configuration, 3) project type, or 4) responses to the questions that were asked during the online review, the results of this review are not valid, and the review must be searched again via the PNDI Environmental Review Tool and resubmitted to the jurisdictional agencies. The PNDI tool is a primary screening tool, and a desktop review may reveal more or fewer impacts than what is listed on this PNDI receipt. The jurisdictional agencies strongly advise against conducting surveys for the species listed on the receipt prior to consultation with the agencies.

#### PA Game Commission

##### RESPONSE:

No impact is anticipated to threatened and endangered species and/or special concern species and resources.

#### PA Department of Conservation and Natural Resources

##### RESPONSE:

Further review of this project is necessary to resolve the potential impact(s). Please send project information to this agency for review (see WHAT TO SEND).

**DCNR Species:** (Note: The Pennsylvania Conservation Explorer tool is a primary screening tool, and a desktop review may reveal more or fewer species than what is listed below. After desktop review, if a botanical survey is required by DCNR, we recommend the DCNR Botanical Survey Protocols, available here: <https://conservationexplorer.dcnr.pa.gov/content/survey-protocols>)

Scientific Name	Common Name	Current Status	Proposed Status	Survey Window
<i>Quercus phellos</i>	Willow Oak	Endangered	Endangered	Leaves distinctive

Scientific Name	Common Name	Current Status	Proposed Status	Survey Window
<i>Seyrinchium atlanticum</i>	Eastern Blue-eyed Grass	Endangered	Endangered	Flowers May - June

### PA Fish and Boat Commission

#### RESPONSE:

Further review of this project is necessary to resolve the potential impact(s). Please send project information to this agency for review (see WHAT TO SEND).

**PFBC Species:** (Note: The Pennsylvania Conservation Explorer tool is a primary screening tool, and a desktop review may reveal more or fewer species than what is listed below.)

Scientific Name	Common Name	Current Status
Sensitive Species**		Endangered
Sensitive Species**		Endangered
Sensitive Species**		Special Concern Species*
Sensitive Species**		Endangered
Sensitive Species**		Endangered
Sensitive Species**		Threatened

### U.S. Fish and Wildlife Service

#### RESPONSE:

No impacts to federally listed or proposed species are anticipated. Therefore, no further consultation/coordination under the Endangered Species Act (87 Stat. 884, as amended; 16 U.S.C. 1531 et seq. is required. Because no take of federally listed species is anticipated, none is authorized. This response does not reflect potential Fish and Wildlife Service concerns under the Fish and Wildlife Coordination Act or other authorities.

\* Special Concern Species or Resource - Plant or animal species classified as rare, tentatively undetermined or candidate as well as other taxa of conservation concern, significant natural communities, special concern populations (plants or animals) and unique geologic features.

\*\* Sensitive Species - Species identified by the jurisdictional agency as collectible, having economic value, or being susceptible to decline as a result of visitation.

## WHAT TO SEND TO JURISDICTIONAL AGENCIES

If project information was requested by one or more of the agencies above, upload\* or email\* the following information to the agency(s). Instructions for uploading project materials can be found [here](#). This option provides the applicant with the convenience of sending project materials to a single location accessible to all three state agencies. Alternatively, applicants may email or mail their project materials (see AGENCY CONTACT INFORMATION).

\*Note: U.S. Fish and Wildlife Service requires applicants to mail project materials to the USFWS PA field office (see AGENCY CONTACT INFORMATION). USFWS will not accept project materials submitted electronically (by upload or email).

### Check-list of Minimum Materials to be submitted:

\_\_\_ Project narrative with a description of the overall project, the work to be performed, current physical characteristics of the site and acreage to be impacted.

\_\_\_ A map with the project boundary and/or a basic site plan (particularly showing the relationship of the project to the physical features such as wetlands, streams, ponds, rock outcrops, etc.)

In addition to the materials listed above, USFWS REQUIRES the following

\_\_\_ SIGNED copy of a Final Project Environmental Review Receipt

The inclusion of the following information may expedite the review process.

\_\_\_ Color photos keyed to the basic site plan (i.e. showing on the site plan where and in what direction each photo was taken and the date of the photos)

\_\_\_ Information about the presence and location of wetlands in the project area, and how this was determined (e.g., by a qualified wetlands biologist), if wetlands are present in the project area, provide project plans showing the location of all project features, as well as wetlands and streams.

## 4. DEP INFORMATION

The Pa Department of Environmental Protection (DEP) requires that a signed copy of this receipt, along with any required documentation from jurisdictional agencies concerning resolution of potential impacts, be submitted with applications for permits requiring PNDI review. Two review options are available to permit applicants for handling PNDI coordination in conjunction with DEP's permit review process involving either T&E Species or species of special concern. Under sequential review, the permit applicant performs a PNDI screening and completes all coordination with the appropriate jurisdictional agencies prior to submitting the permit application. The applicant will include with its application, both a PNDI receipt and/or a clearance letter from the jurisdictional agency if the PNDI Receipt shows a Potential Impact to a species or the applicant chooses to obtain letters directly from the jurisdictional agencies. Under concurrent review, DEP, where feasible, will allow technical review of the permit to occur concurrently with the T&E species consultation with the jurisdictional agency. The applicant must still supply a copy of the PNDI Receipt with its permit application. The PNDI Receipt should also be submitted to the appropriate agency according to directions on the PNDI Receipt. The applicant and the jurisdictional agency will work together to resolve the potential impact(s). See the DEP PNDI policy at <https://conservationexplorer.dcnr.pa.gov/content/resources>.

## 5. ADDITIONAL INFORMATION

The PNDI environmental review website is a preliminary screening tool. There are often delays in updating species status classifications. Because the proposed status represents the best available information regarding the conservation status of the species, state jurisdictional agency staff give the proposed statuses at least the same consideration as the current legal status. If surveys or further information reveal that a threatened and endangered and/or special concern species and resources exist in your project area, contact the appropriate jurisdictional agency/agencies immediately to identify and resolve any impacts.

For a list of species known to occur in the county where your project is located, please see the species lists by county found on the PA Natural Heritage Program (PNHP) home page ([www.naturalheritage.state.pa.us](http://www.naturalheritage.state.pa.us)). Also note that the PNDI Environmental Review Tool only contains information about species occurrences that have actually been reported to the PNHP.

## 6. AGENCY CONTACT INFORMATION

### PA Department of Conservation and Natural Resources

Bureau of Forestry, Ecological Services Section  
 400 Market Street, PO Box 8552  
 Harrisburg, PA 17105-8552  
 Email: [BA-HeritageReview@pa.gov](mailto:BA-HeritageReview@pa.gov)

### U.S. Fish and Wildlife Service

Pennsylvania Field Office  
 Endangered Species Section  
 110 Radnor Rd; Suite 101  
 State College, PA 16801  
 NO Faxes Please

### PA Fish and Boat Commission

Division of Environmental Services  
 595 E. Rolling Ridge Dr., Bellefonte, PA 16823  
 Email: [BA-FBPACENOTIFY@pa.gov](mailto:BA-FBPACENOTIFY@pa.gov)

### PA Game Commission

Bureau of Wildlife Habitat Management  
 Division of Environmental Planning and Habitat Protection  
 2001 Elmerton Avenue, Harrisburg, PA 17110-9797  
 Email: [BA-PGC\\_PNDI@pa.gov](mailto:BA-PGC_PNDI@pa.gov)  
 NO Faxes Please

## 7. PROJECT CONTACT INFORMATION

Name: Emily Phelan  
 Company/Business Name: AECOM  
 Address: 625 W. Ridge Pike, Suite E-100  
 City, State, Zip: Conshohocken, PA 19428  
 Phone: (610) 832-3651 Fax: (610) 832-3501  
 Email: emily.phelan@aecom.com

## 8. CERTIFICATION

I certify that ALL of the project information contained in this receipt (including project location, project size/configuration, project type, answers to questions) is true, accurate and complete. In addition, if the project type, location, size or configuration changes, or if the answers to any questions that were asked during this online review change, I agree to re-do the online environmental review.

  
 applicant/project proponent signature

5/7/19  
 date




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 BUREAU OF FORESTRY

May 1, 2019

PNDI Number: 681698

Version: Final\_1; 4/24/19

**Emily Phelan**  
**AECOM**  
 625 West Ridge Pike, Suite E-100  
 Conshohocken, PA 19428  
 Email: emily.phelan@aecom.com (hard copy will not follow)

**Re: PECO Emillie to Falls Reconductoring**  
**Bucks; Bristol, Falls, PA**

Dear Ms. Phelan,

Thank you for the submission of the Pennsylvania Natural Diversity Inventory (PNDI) Environmental Review Receipt Number 681698 (Final\_1) for review. PA Department of Conservation and Natural Resources screened this project for potential impacts to species and resources under DCNR's responsibility, which includes plants, terrestrial invertebrates, natural communities, and geologic features only.

**No Impact Anticipated**

PNDI records indicate species or resources under DCNR's jurisdiction are located in the vicinity of the project. However, based on the information you submitted concerning the nature of the project, the immediate location, and our detailed resource information, DCNR has determined that no impact is likely. No further coordination with our agency is needed for this project.

- Clean boot treads, construction equipment, and vehicles thoroughly (especially the undercarriage and wheels) before they are brought on site. This will remove invasive plant seeds and invasive earthworms/cocoons that may have been picked up at other sites.
- Do not transport unsterilized leaves, mulch, compost, or soil to the site from another location.
- Do not use seed mixes that include invasive species. Please also use weed-free straw or hay mixes. More information about invasive species in Pennsylvania can be found at the following link:  
<http://www.dcnr.pa.gov/Conservation/WildPlants/InvasivePlants/Pages/default.aspx>
- Use habitat appropriate seed mixes. For example, when reseeding along a waterway, utilize a riparian seed mix. The Bureau of Forestry Planting & Seeding Guidelines can be found here for recommendations:  
[http://www.docs.dcnr.pa.gov/cs/groups/public/documents/document/dcnr\\_20031083.pdf](http://www.docs.dcnr.pa.gov/cs/groups/public/documents/document/dcnr_20031083.pdf)
- Report occurrences of invasive species to iMapInvasives at <https://www.imapinvasives.org/>. Focus on large infestations and species that are not yet well established in the region or in Pennsylvania (<https://www.paimapinvasives.org/be-on-the-lookout>).

This response represents the most up-to-date review of the PNDI data files and is valid for two (2) years only. If project plans change or more information on listed or proposed species becomes available, our determination may be reconsidered. Should the proposed work continue beyond the period covered by this letter and a permit has not been acquired, please resubmit the project to this agency as an "Update" (including an updated PNDI receipt, project narrative, description of project changes and accurate map). As a reminder, this finding applies to potential impacts under DCNR's jurisdiction only. Visit the PNHP website for directions on contacting the Commonwealth's other resource agencies for environmental review.

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 conserve                      sustain                      enjoy

P.O. Box 8552, Harrisburg, PA 17015-8552 717-787-3444 (fax) 717-772-0271

PNDI Number: 681698  
Version: Final\_1; 4/24/19

**Should you have any questions or concerns, please contact Alexander Dogonniuck, Ecological Information Specialist, by phone (717-783-3913) or via email (a-dogonni@pa.gov).**

Sincerely



**Greg Podnieszinski, Section Chief  
Natural Heritage Section**

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sustain

enjoy

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## Pennsylvania Fish & Boat Commission

Division of Environmental Services  
Natural Diversity Section  
595 E Rolling Ridge Dr.  
Bellefonte, PA 16823  
814-359-5237

May 14, 2019

**IN REPLY REFER TO  
SIR# 51171**

AECOM  
Emily Phelan  
625 W. Ridge Pike  
Conshohocken, Pennsylvania 19428

**RE: Species Impact Review (SIR) – Rare, Candidate, Threatened and Endangered Species  
PNDI Search No. 681698\_1  
PECO Emillie to Falls Reconductoring  
BUCKS County: Bristol Township, Falls Township**

Dear Emily Phelan:

This responds to your inquiry about a Pennsylvania Natural Diversity Inventory (PNDI) Internet Database search “potential conflict” or a threatened and endangered species impact review. These projects are screened for potential conflicts with rare, candidate, threatened or endangered species under Pennsylvania Fish & Boat Commission jurisdiction (fish, reptiles, amphibians, aquatic invertebrates only) using the Pennsylvania Natural Diversity Inventory (PNDI) database and our own files. These species of special concern are listed under the Endangered Species Act of 1973, the Wild Resource Conservation Act, and the Pennsylvania Fish & Boat Code (Chapter 75), or the Wildlife Code.

An element occurrence of a rare, candidate, threatened, or endangered species under our jurisdiction is known from the vicinity of the proposed project. However, given the nature of the proposed project, the immediate location, or the current status of the nearby element occurrence(s), no adverse impacts are expected to the species of special concern.

This response represents the most up-to-date summary of the PNDI data and our files and is valid for two (2) years from the date of this letter. An absence of recorded species information does not necessarily imply species absence. Our data files and the PNDI system are continuously being updated with species occurrence information. Should project plans change or additional information on listed or proposed species become available, this determination may be reconsidered, and consultation shall be re-initiated.

**Our Mission:**

[www.fish.state.pa.us](http://www.fish.state.pa.us)

*To protect, conserve and enhance the Commonwealth's aquatic resources and provide fishing and boating opportunities.*

SIR # 51171

Page 2

May 14, 2019

**If you have any questions regarding this review, please contact Kathy Gipe at 814-359-5186 and refer to the SIR # 51171. Thank you for your cooperation and attention to this important matter of species conservation and habitat protection.**

Sincerely,

A handwritten signature in black ink that reads "Christopher A. Urban". The signature is written in a cursive style with a large, prominent initial "C".

Christopher A. Urban, Chief  
Natural Diversity Section

CAU/KDG/dn



# CCB Mapping Portal

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**Layers:** Eagle Roosts, Eagle Roost Polygons, Eagle Roost Buffers

**Map Center [longitude, latitude]:** [-74.82290267944336, 40.15985315626724]

**Map Link:**

<https://ccbbirds.org/maps/#?layer=Eagle+Roosts&layer=Eagle+Roost+Polygons&layer=Eagle+Roost+Buffers&zoom=14&lat=40.15985315626724&lng=-74.82290267944336&base=Street+Map+%28OSM%29>

**Report Generated On:** 04/11/2019

The Center for Conservation Biology (CCB) provides certain data online as a free service to the public and the regulatory sector. CCB encourages the use of its data sets in wildlife conservation and management applications. These data are protected by intellectual property laws. All users are reminded to view the [Data Use Agreement](#) to ensure compliance with our data use policies. For additional data access questions, view our [Data Distribution Policy](#), or contact our Data Manager, Marie Pitts, at [mpitts@wm.edu](mailto:mpitts@wm.edu) or 757-221-7503.

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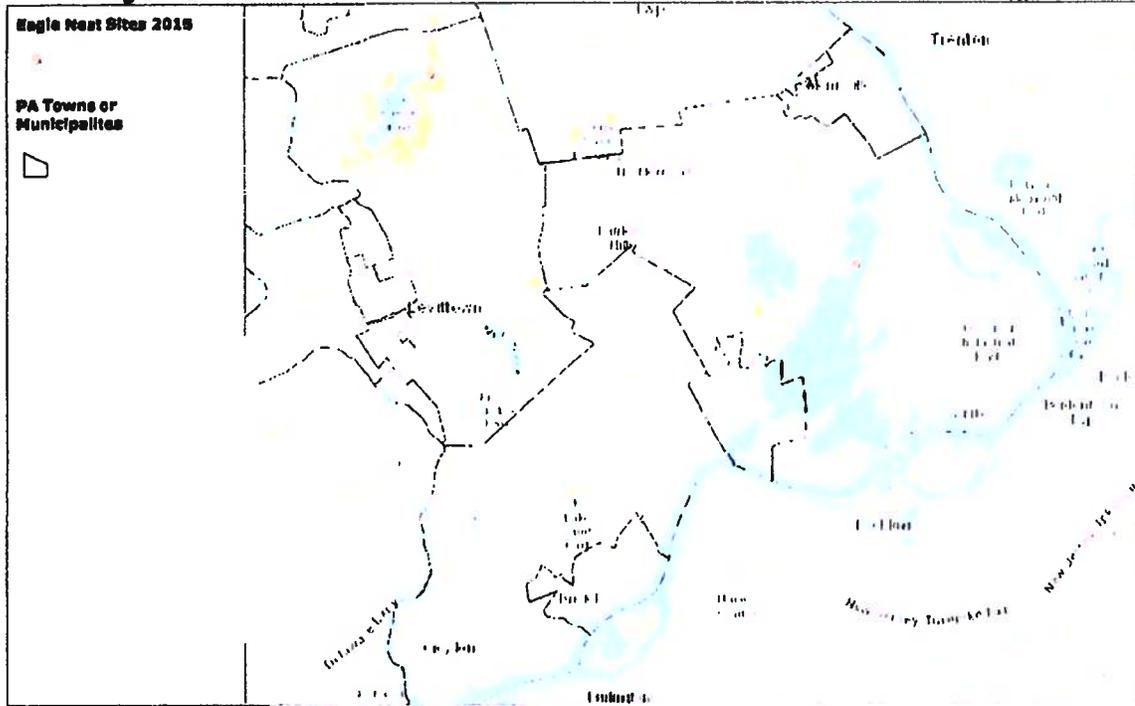
Report generated by [The Center for Conservation Biology Mapping Portal](#).

To learn more about CCB visit [ccbbirds.org](http://ccbbirds.org) or contact us at [info@ccbbirds.org](mailto:info@ccbbirds.org)

4/11/2019

PA Bald Eagle Nest Locations and Buffer Zones

### PA Bald Eagle Nest Locations and Buffer Zones



Documented Intact Bald Eagle Nests in the State of Pennsylvania

Bucks County, PA, Mercer County, NJ, State of New Jersey, Esri, HERE, Garmin, USGS, NGA, EPA, USDA, NPS

**PECO 130-20 Letter of Notification**

**PECO Attachment Q16**

**Certificate of Service**

**BEFORE THE  
PENNSYLVANIA PUBLIC UTILITY COMMISSION**

**Letter of Notification of PECO Energy** :  
**Company For Approval to Reconductor** : **DOCKET NO. A-2019-\_\_\_\_\_**  
**its 130-20 Transmission Line in Falls** :  
**Township and Bristol Township,** :  
**Pennsylvania** :

**CERTIFICATE OF SERVICE**

I, Jennedy S. Johnson, hereby certify that I have this day served a true and correct copy of the Public Version of PECO Energy Company's Letter of Notification upon the following persons, in the manner indicated, in accordance with the requirements of 52 Pa. Code Sections 1.54 and 57.74.

**VIA CERTIFIED MAIL  
RETURN RECEIPT REQUEST**

**Office of Consumer Advocate  
555 Walnut Street  
5<sup>th</sup> Floor Forum Place  
Harrisburg, PA 17101-1923**

**PA Office of Small Business Advocate  
300 N. Second Street, Suite 202  
Harrisburg, PA 17101**

**Craig Bowen  
Bristol Township Council President  
2501 Bath Road  
Bristol, PA 19007-2150**

**Bureau of Investigation  
Pennsylvania Public Utility Commission  
Commonwealth Keystone Building  
2nd Floor, F West  
Harrisburg, PA 17101**

**William J. McCauley, III  
Bristol Township Manager  
2501 Bath Road  
Bristol, PA 19007-2150**

**Tom Scott  
Bristol Township Director of Building,  
Planning & Zoning  
Bristol Township Manager  
2501 Bath Road  
Bristol, PA 19007-2150**

**Peter Gray**  
Township Manager, Falls Township  
Municipal Bldg.  
188 Lincoln Highway  
Fairless Hills, PA 19130

**Tom Bennett**  
Chief Code Enforcement Officer & Zoning  
Officer, Falls Township  
188 Lincoln Highway  
Fairless Hills, PA 19130

Secretary, Department of Transportation  
Keystone Building  
400 North Street, Fifth Floor  
Harrisburg, PA 17120

**Robert Harvie**  
Chair, Falls Township Board of  
Supervisors  
Municipal Bldg.  
188 Lincoln Highway  
Fairless Hills, PA 19130

Department of Environmental Protection  
Rachel Carson State Office Building  
400 Market Street  
Harrisburg, PA 17101

Chairman, Historical and Museum  
Commission  
State Museum Building  
300 North Street  
Harrisburg, PA 17120



Jennifer S. Johnson  
Counsel for PECO Energy Company  
2301 Market Street  
P.O. Box 8699  
Philadelphia, PA 19101-8699  
Phone: 215.841.4353  
Fax: 215.568.3389  
E-mail: [jennedy.johnson@exeloncorp.com](mailto:jennedy.johnson@exeloncorp.com)

Date: June 26, 2019