

*Atlantic Sunrise Project – PA DEP Chapter 105 Joint Permit Application
Transcontinental Gas Pipe Line Company, LLC
Lebanon County*

**ATTACHMENT L -1
ENVIRONMENTAL ASSESSMENT FORM**

Note: This Attachment has been replaced in its entirety

OVERVIEW OF THREATENED AND ENDANGERED SPECIES: LEBANON COUNTY

Transco has consulted with the U.S. Fish and Wildlife Service (USFWS), Pennsylvania Fish & Boat Commission (PFBC), Pennsylvania Game Commission (PGC), and Pennsylvania Department of Conservation and Natural Resources (DCNR) regarding federal and state-listed threatened and endangered species in the Project area. A summary of the correspondence/clearance status with each agency is provided **in Table 1 and summarized** below. Copies of the referenced letters are provided in **Attachments G-1 through G-5**.

**TABLE 1
 SUMMARY OF ATLANTIC SUNRISE THREATENED AND ENDANGERED SPECIES
 CORRESPONDENCE AND CLEARANCE STATUS**

Agency	Project Review Letter Dates	Clearance Letter Dates
USFWS	April 28, 2014	December 21, 2016
PFBC	April 17, 2014	January 28, 2016; May 31, 2016; September 2, 2016
PGC	April 13, 2014; December 19, 2014	June 2, 2016; September 19, 2016
DCNR	May 28, 2014	April 2, 2015; May 28, 2015; August 5, 2015; February 23, 2016; May 24, 2016; August 31, 2016

USFWS

Transco prepared a biological assessment (BA) addressing the following federally listed threatened and endangered species identified by the USFWS as potentially occurring in the Project area: Indiana bat (IBAT), northern long-eared bat (NLEB), bog turtle, and northeastern bulrush. Surveys for the IBAT, NLEB, and bog turtle were requested and completed in Lebanon County. The BA was developed in close coordination with the USFWS Pennsylvania Field Office. The BA concluded that the Project may affect, but is not likely to adversely affect each of these species. Based on these effects determinations, formal Section 7 consultation will not be necessary for the Project. FERC concurred with Transco's effects determinations and submitted their consultation request to FERC on July 19, 2016. The USFWS **issued their Project review letter to FERC on December 21, 2016. As stated in the letter, the USFWS concurred with FERC's and Transco's determination that the Project is not likely to adversely affect the Indiana bat, bog turtle, and northeastern bulrush. The USFWS did not concur with FERC's and Transco's determination that the Project is not likely to adversely affect the northern long-eared bat. However, with Transco's proposed avoidance and minimization measures, any incidental take that may occur to the species is not prohibited under the 4(d) rule issued by the USFWS for NLEB on January 14, 2016. Consequently, no further consultation is required with USFWS for NLEB or any other federal-listed species. advised Transco that they plan to issue a technical assistance letter to FERC in October 2016, outlining their findings and recommendations related to Section 7 compliance. Transco will forward the USFWS technical assistance letter to PADEP upon receipt.**

PFBC

PFBC requested, and Transco completed, surveys for timber rattlesnakes in Clinton, Northumberland, Schuylkill, and Lebanon Counties. PFBC issued Project clearance letters on January 28, 2016, May 31, 2016, and September 2, 2016. The most recent clearance letter issued on September 2, 2016 covers two reroutes that were not included in PFBC's original review of the Project. No timber rattlesnakes were observed and no impacts to their habitat are proposed in Lebanon County; therefore, Transco is not required to implement any mitigation or time of year restrictions for timber rattlesnake in Lebanon County.

PGC

PGC requested, and Transco completed, surveys for Allegheny woodrat and eastern small-footed bat in Schuylkill, Northumberland, Columbia, and Wyoming Counties. No surveys for threatened or endangered species under the jurisdiction of PGC were requested for Lebanon County. PGC issued Project clearance letters on June 2, 2016 and September 19, 2016. The most recent clearance letter issued on September 19, 2016 covers two reroutes that were not included in PGC's original review of the Project.

DCNR

Transco completed surveys for state-listed plant species in Lebanon County. DCNR has issued several clearance letters for the Project following submittal of survey reports by Transco. Project clearance letters were issued by DCNR on April 02, 2015, May 28, 2015, August 05, 2015, February 23, 2016, May 24, 2016, and August 31, 2016. The most recent clearance letter issued on August 31, 2016 covers two reroutes that were not included in DCNR's previous review of the Project.

Transco identified the cranefly orchid and puttyroot (both state-listed rare species) at one location within the Project LOD in Lebanon County (see Table 2). Transco will transplant the plants outside of the right-of-way (ROW) at this location prior to construction, in accordance with Transco's Transplanting Plan, approved by DCNR in the May 24, 2016 letter.

**TABLE 2
SUMMARY OF STATE LISTED PLANT TRANSPLANTING LOCATIONS**

SPECIES	MILEPOST	COUNTY
Cranefly Orchid & Puttyroot	CPL South MP 36.9	Lebanon

~~The portion of the Project LOD in Lebanon County at Milepost 36.8 has not yet been surveyed for state-listed plants. As documented in the May 24, 2016 clearance letter, DCNR has approved Transco's pre-construction survey methodology for this area. In accordance with the plan, Transco will complete pre-construction surveys for this area and any findings of state-listed plants will be reported to DCNR.~~



ENVIRONMENTAL ASSESSMENT FORM (E.A. Form)

PART 1 - RESOURCE IDENTIFICATION

1. Indicate water resources which exist on the project site.

Name of streams(s) and/or body of water (including wetlands) Please refer to Table E-2 for resources affected by the Project.

Size of body of water (in acres) greater than one acre

Provide a table detailing all proposed aquatic resource impacts including type of structure or activity, length and width of streams or floodways, and acreage of wetlands or other bodies of water. All structures or activities must also include latitude and longitude for each proposed location.

Wetland - If wetlands are present at the project site, provide the following information relative to the person(s) or organization performing the wetland identification, delineation and related work (attach additional sheets if needed):

Last Name	First Name	MI	Telephone
Netti	Greg		(716) 684-8060
Mailing Address	City	State	Zip + 4
368 Pleasant View Drive	Lancaster	NY	14086
Email Address gnetti@ene.com			

QUALIFICATIONS

Please see attached wetland report for delineators' resumes.

If wetlands are present, attach a copy of the wetland delineation report identified and labeled as **Enclosure A**. Include all field data sheets, denote the size (in acres) of the wetland. If this information details any physical information or features not shown in the "site plan" please attach additional plans which illustrate these features.

Enclosure A

PART 1 - RESOURCE IDENTIFICATION (continued)		YES	NO								
2. Is the site located within or adjacent to any of the following? Please mark either the "yes" or "no" column for each question.											
A. National, state or local park, forest or recreation area		<input type="checkbox"/>	<input checked="" type="checkbox"/>								
B. Natural, wild, or wilderness area		<input type="checkbox"/>	<input checked="" type="checkbox"/>								
C. National natural landmark		<input type="checkbox"/>	<input checked="" type="checkbox"/>								
D. National wildlife refuge, or Federal, state, local or private wildlife or plant sanctuaries		<input type="checkbox"/>	<input checked="" type="checkbox"/>								
E. State Game Lands		<input type="checkbox"/>	<input checked="" type="checkbox"/>								
F. Areas identified as prime farmland		<input checked="" type="checkbox"/>	<input type="checkbox"/>								
If not included in the permit application package, please attach a map (e.g. 1:2400 scale or greater) indicating the location of the project, all water resources and the features identified above. Label the map as <u>Enclosure B</u> .		ENCLOSURE B									
3. Is the water resource listed as trout stocked waters by the Pennsylvania Fish and Boat Commission?		<input checked="" type="checkbox"/>	<input type="checkbox"/>								
4. Is the water resource designated as a wild trout stream by the Pennsylvania Fish and Boat Commission?		<input checked="" type="checkbox"/>	<input type="checkbox"/>								
5. Is the water resource listed as High Quality or Exceptional Value in Title 25 Pa. Code Chapter 93?		<input checked="" type="checkbox"/>	<input type="checkbox"/>								
Indicate the stream classification found in Chapter 93. Classification <u>EV; HQ-CWF; HQ-CWF, MF; CWF-MF; WWF-MF; TSF, MF; WWF.</u>											
6. Is the water resource designated as a National Wild or Scenic River or as part of the Commonwealth's Scenic Rivers System or classified as priority 1-A for inclusion in the system?		<input type="checkbox"/>	<input checked="" type="checkbox"/>								
7. Is the water resource part of or located along a private or public water supply?		<input type="checkbox"/>	<input checked="" type="checkbox"/>								
(IF COMPLETING A SMALL PROJECT APPLICATION ADVANCE TO PART 3)											
8. Provide a written narrative, identified and labeled as " <u>Enclosure C - Description of Aquatic Habitat</u> ," discussing the following ecological functions:			E N C L O S U R E C								
A. Aquatic habitats including:											
(1) Food chain production											
(2) General habitat											
<table border="0"> <tr> <td>a. Nesting</td> <td>e. Migration</td> </tr> <tr> <td>b. Spawning</td> <td>f. Feeding</td> </tr> <tr> <td>c. Rearing</td> <td>g. Escape Cover</td> </tr> <tr> <td>d. Resting</td> <td>h. Other</td> </tr> </table>		a. Nesting	e. Migration	b. Spawning	f. Feeding	c. Rearing	g. Escape Cover	d. Resting	h. Other		
a. Nesting	e. Migration										
b. Spawning	f. Feeding										
c. Rearing	g. Escape Cover										
d. Resting	h. Other										
(3) Habitat for threatened and endangered plant and animal species (Discuss results of the Pennsylvania Natural Diversity Inventory (PNDI) form and Bog Turtle Habitat Screening)											
(4) Environmental Study Areas											
<table border="0"> <tr> <td>a. Sanctuaries</td> </tr> <tr> <td>b. Refuges</td> </tr> </table>		a. Sanctuaries	b. Refuges								
a. Sanctuaries											
b. Refuges											
(5) If project proposes a stream relocation, a stream enclosure, or dredging, provide a description of the instream macroinvertebrate community.											

PART 1 - RESOURCE IDENTIFICATION (continued)		E N C L O S U R E C Description of Aquatic Habitat
B. Water Quantity and Streamflow		
(1) Natural drainage patterns		
(2) Flushing characteristics		
(3) Current patterns		
(4) Groundwater discharge for baseflow		
(5) Natural recharge area for ground and surface waters		
(6) Storm and floodwater storage and control		
C. Water Quality		
(1) Preventing Pollution		
(2) Sedimentation control and patterns		
(3) Salinity distribution		
(4) Natural water filtration		
D. Recreation		
(1) Game Species		
(2) Non Game Species		
(3) Fishing		
(4) Hiking		
(5) Observation (plant/wildlife)		
(6) Other		
E. Upstream and Downstream Property		
F. Other Environmental Factors Determined by Site Investigation		
PART 2 - PROJECT DESCRIPTION		
9. <u>Project Impacts</u> For impacts to regulated waters of the Commonwealth, answer fully, completely and in detail the following questions; attach and label as <u>Enclosure D</u> .		
A. Discuss the impacts on:		
(1) National, state or local park, forest or recreation area		
(2) Natural, wild, or wilderness area		
(3) National, state, or local historic site		
(4) National natural landmark		
(5) National wildlife refuge		
(6) Cultural or archaeological landmarks		
(7) State Game Lands		

PART 2 - PROJECT DESCRIPTION (continued)		E N C L O S U R E D Project Impacts
(8)	Federal, state, local or private plant or wildlife sanctuaries	
(9)	Areas identified as prime farmland	
B. Discuss the environmental impacts on:		
(1)	Aquatic habitats including:	
a.	Food Chain production	
b.	General habitat	
(1)	Nesting	
(2)	Spawning	
(3)	Rearing	
(4)	Resting	
(5)	Migration	
(6)	Feeding	
(7)	Escape Cover	
(8)	Other	
c.	Habitat for threatened and endangered plant and animal species	
d.	Environmental Study Areas	
(1)	Sanctuaries	
(2)	Refuges	
(2)	Water Quantity and Streamflow	
a.	Natural drainage patterns	
b.	Flushing characteristics	
c.	Current patterns	
d.	Groundwater discharge for baseflow	
e.	Natural recharge area for ground and surface waters	
f.	Storm and floodwater storage and control	
(3)	Water Quality	
a.	Preventing Pollution	
b.	Sedimentation control and patterns	
c.	Salinity distribution	
d.	Natural water filtration	
(4)	Recreation	
a.	Game Species	
b.	Non Game Species	
c.	Fishing	
d.	Hiking	
e.	Observation (wildlife)	
f.	Other	
(5)	Upstream and downstream property	
(6)	Other Environmental Factors	

PART 2 - PROJECT DESCRIPTION (continued)

- C. Identify all environmental impacts on other adjacent land and water resources associated with the construction, modification or operation of the dam, reservoir, water obstruction, or encroachment in the area of the project.
- D. Identify and evaluate the potential cumulative environmental impacts of this project and other potential or existing projects like it, and the impacts that may result through numerous piecemeal changes to the resource.
- E. Identify and describe all other dams, water obstructions or encroachments which may or will be needed, in addition to those described in this Application, to fulfill the purpose of the current project.

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PART 3 – CERTIFICATION AND FEE

I certify that the above statements, attachments including those labeled and identified as Enclosures, and all conclusions are true, correct, and based upon current environmental principles and science, to the best of my knowledge and belief.

Application Fee & Chapter 105 Fee(s) Calculation Worksheet enclosed

Guyon D. Miller

5/1/17

Signature of Person Completing
the Environmental Assessment Form

Date

The Department may waive a specific information requirement in writing, at the request of the Applicant, during the pre-application review process if the Department determines that specific information is not necessary to review the application.