

Applicant: Transcontinental Gas Pipe Line Company, LLC (Transco)

Project Name: Atlantic Sunrise Project (Project)

Date: July 2017

Impact Number	Description of Impact (Fill, road/utility crossing, grading)	Resource Type (stream, wetland, floodway, body of water)	Resource Name	Chapter 93 Classification, Wetland Classification(EV or Other), or Floodway Type ¹	Wetland (Cowardin Classification) ²	Stream Type (Intermittent, Perennial)	Stream Trout Status (Class A Wild Trout, Wild Trout, Trout Stocked)	Resource ID
1	Utility Pipeline Crossing	Stream	UNT to Mahanoy Creek (WW-T44-10002C)	WWF, MF	R3	Perennial	None	WW-T44-10002C
2	Utility Pipeline Crossing	Stream	UNT to Mahanoy Creek (WW-T44-10002C)	WWF, MF	R3	Perennial	None	WW-T44-10002C
3	Utility Pipeline Crossing	Stream	Mahanoy Creek (WW-T01-10001)	WWF, MF	R3	Perennial	None	WW-T01-10001
4	Utility Pipeline Crossing	Stream	Mahanoy Creek (WW-T01-10001)	WWF, MF	R3	Perennial	None	WW-T01-10001
5	Utility Pipeline Crossing	Floodway	Floodway to Mahanoy Creek (WW-T01-10001)	FEMA Detailed ⁴	N/A	N/A	N/A	Floodway to WW-T01-10001
6	Utility Pipeline Crossing	Floodway	Floodway to Mahanoy Creek (WW-T01-10001)	FEMA Detailed ⁴	N/A	N/A	N/A	Floodway to WW-T01-10001
7	Utility Pipeline Crossing	Wetland	W-T18-10001	None	PEM	N/A	N/A	W-T18-10001
8	Utility Pipeline Crossing	Wetland	W-T18-10001	None	PEM	N/A	N/A	W-T18-10001
9	Utility Pipeline Crossing	Stream	UNT to Shamokin Creek (WW-T04-10002)	WWF, MF	R4	Intermittent	None	WW-T04-10002
10	Utility Pipeline Crossing	Stream	UNT to Shamokin Creek (WW-T04-10002)	WWF, MF	R4	Intermittent	None	WW-T04-10002
11	Utility Pipeline Crossing	Floodway	Floodway to UNT to Shamokin Creek (WW-T04-10002)	Assumed 50 Feet	N/A	N/A	N/A	Floodway to WW-T04-10002
12	Utility Pipeline Crossing	Floodway	Floodway to UNT to Shamokin Creek (WW-T04-10002)	Assumed 50 Feet	N/A	N/A	N/A	Floodway to WW-T04-10002
13	Utility Pipeline Crossing	Stream	Shamokin Creek (WW-T04-10001)	WWF, MF	R3	Perennial	None	WW-T04-10001
14	Utility Pipeline Crossing	Stream	Shamokin Creek (WW-T04-10001)	WWF, MF	R3	Perennial	None	WW-T04-10001
15	Utility Pipeline Crossing	Floodway	Floodway to Shamokin Creek (WW-T04-10001)	FEMA Detailed	N/A	N/A	N/A	Floodway to WW-T04-10001
16	Utility Pipeline Crossing	Floodway	Floodway to Shamokin Creek (WW-T04-10001)	FEMA Detailed	N/A	N/A	N/A	Floodway to WW-T04-10001
17	Utility Pipeline Crossing	Stream	Quaker Run (WW-T18-10002)	CWF, MF	R3	Perennial	None	WW-T18-10002
18	Utility Pipeline Crossing	Stream	Quaker Run (WW-T18-10002)	CWF, MF	R3	Perennial	None	WW-T18-10002
19	Utility Pipeline Crossing	Floodway	Floodway to Quaker Run (WW-T18-10002)	FEMA Detailed	N/A	N/A	N/A	Floodway to WW-T18-10002
20	Utility Pipeline Crossing	Floodway	Floodway to Quaker Run (WW-T18-10002)	FEMA Detailed	N/A	N/A	N/A	Floodway to WW-T18-10002
21	Utility Pipeline Crossing	Stream	UNT to Quaker Run (WW-T68-11001B)	CWF, MF	R6	Ephemeral	None	WW-T68-11001B

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22	Utility Pipeline Crossing	Stream	UNT to Quaker Run (WW-T68-11001B)	CWF, MF	R6	Ephemeral	None	WW-T68-11001B
23	Utility Pipeline Crossing	Stream	UNT to Quaker Run (WW-T68-11001)	CWF, MF	R4	Intermittent	None	WW-T68-11001
24	Utility Pipeline Crossing	Stream	UNT to Quaker Run (WW-T68-11001)	CWF, MF	R4	Intermittent	None	WW-T68-11001
25	Utility Pipeline Crossing	Floodway	Floodway to UNT to Quaker Run (WW-T68-11001)	Assumed 50 Feet ⁴	N/A	N/A	N/A	Floodway to WW-T68-11001
26	Utility Pipeline Crossing	Floodway	Floodway to UNT to Quaker Run (WW-T68-11001)	Assumed 50 Feet ⁴	N/A	N/A	N/A	Floodway to WW-T68-11001
27	Utility Pipeline Crossing	Stream	Coal Run (WW-T58-11001)	CWF, MF	R4	Intermittent	None	WW-T58-11001
28	Utility Pipeline Crossing	Stream	Coal Run (WW-T58-11001)	CWF, MF	R4	Intermittent	None	WW-T58-11001
29	Utility Pipeline Crossing	Floodway	Floodway to Coal Run (WW-T58-11001)	Assumed 50 Feet	N/A	N/A	N/A	Floodway to WW-T58-11001
30	Utility Pipeline Crossing	Floodway	Floodway to Coal Run (WW-T58-11001)	Assumed 50 Feet	N/A	N/A	N/A	Floodway to WW-T58-11001
31	Utility Pipeline Crossing	Wetland	W-T44-11001C	EV	PFO	N/A	N/A	W-T44-11001C
32	Utility Pipeline Crossing	Wetland	W-T44-11001C	EV	PFO	N/A	N/A	W-T44-11001C
33	Utility Pipeline Crossing	Stream	UNT to South Branch Roaring Creek (WW-T44-11002)	HQ-CWF, MF	R3	Perennial	Approved Trout Waters, Wild Trout Waters	WW-T44-11002
34	Utility Pipeline Crossing	Floodway	Floodway to UNT to South Branch Roaring Creek (WW-T44-11002)	Assumed 50 Feet	N/A	N/A	N/A	Floodway to WW-T44-11002
35	Utility Pipeline Crossing	Floodway	Floodway to UNT to South Branch Roaring Creek (WW-T44-11002)	Assumed 50 Feet	N/A	N/A	N/A	Floodway to WW-T44-11002
36	Utility Pipeline Crossing	Wetland	W-T44-11001A / W-T44-11001A-2	EV	PEM	N/A	N/A	W-T44-11001A / W-T44-11001A-2
37	Utility Pipeline Crossing	Wetland	W-T44-11001A-2	EV	PEM	N/A	N/A	W-T44-11001A-2
38	Utility Pipeline Crossing	Stream	South Branch Roaring Creek (WW-T47-11002)	HQ-CWF, MF	R3	Perennial	Class A Wild Trout Waters	WW-T47-11002
39	Utility Pipeline Crossing	Stream	South Branch Roaring Creek (WW-T47-11002)	HQ-CWF, MF	R3	Perennial	Class A Wild Trout Waters	WW-T47-11002
40	Utility Pipeline Crossing	Wetland	W-T49-11001	EV	PEM	N/A	N/A	W-T49-11001
41	Utility Pipeline Crossing	Wetland	W-T49-11001	EV	PEM	N/A	N/A	W-T49-11001
42	Utility Pipeline Crossing	Floodway	Floodway to UNT to South Branch Roaring Creek (WW-T44-11001C)	Assumed 50 Feet	N/A	N/A	N/A	Floodway to WW-T44-11001C
43	Utility Pipeline Crossing	Stream	UNT to South Branch Roaring Creek (WW-T44-11001A)	HQ-CWF, MF	R4	Intermittent	Class A Wild Trout Waters	WW-T44-11001A

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44	Utility Pipeline Crossing	Stream	UNT to South Branch Roaring Creek (WW-T44-11001A)	HQ-CWF, MF	R4	Intermittent	Class A Wild Trout Waters	WW-T44-11001A
45	Utility Pipeline Crossing	Wetland	W-T49-11003	EV	PEM	N/A	N/A	W-T49-11003
46	Utility Pipeline Crossing	Wetland	W-T49-11003	EV	PEM	N/A	N/A	W-T49-11003
Access Roads								
47	Road Crossing	Floodway	Floodway to UNT to Mahanoy Creek (WW-T44-10002)	Assumed 50 Feet	N/A	N/A	N/A	Floodway to WW-T44-10002
48	Road Crossing	Floodway	Floodway to UNT to Mahanoy Creek (WW-T44-10003)	Assumed 50 Feet	N/A	N/A	N/A	Floodway to WW-T44-10003
49	Road Crossing	Floodway	Floodway to UNT to Mahanoy Creek (WW-T44-10004)	Assumed 50 Feet	N/A	N/A	N/A	Floodway to WW-T44-10004
50	Road Crossing	Floodway	Floodway to Mahanoy Creek (WW-T01-10001)	FEMA Detailed	N/A	N/A	N/A	Floodway to WW-T01-10001
51	Road Crossing	Stream	UNT to Shamokin Creek (WW-T68-10001)	WWF, MF	N/A	Ephemeral	None	WW-T68-10001
52	Road Crossing	Floodway	Floodway to UNT to Shamokin Creek (WW-T68-10001)	Assumed 50 Feet	N/A	N/A	N/A	Floodway to WW-T68-10001
53	Road Crossing	Stream	UNT to Shamokin Creek (WW-T68-10002)	WWF, MF	R6	Ephemeral	None	WW-T68-10002
54	Road Crossing	Floodway	Floodway to UNT to Shamokin Creek (WW-T68-10002)	Assumed 50 Feet	N/A	N/A	N/A	Floodway to WW-T68-10002
55	Road Crossing	Wetland	W-T68-10001	None	PEM	N/A	N/A	W-T68-10001
56	Road Crossing	Floodway	Floodway to Shamokin Creek (WW-T04-10001)	FEMA Detailed	N/A	N/A	N/A	Floodway to WW-T04-10001
57	Road Crossing	Floodway	Floodway to Coal Run (WW-T58-11001A)	Assumed 50 Feet	N/A	N/A	N/A	Floodway to WW-T58-11001A
58	Road Crossing	Floodway	Floodway to Coal Run (WW-T58-11001A)	Assumed 50 Feet	N/A	N/A	N/A	Floodway to WW-T58-11001A

¹ CWF = Cold Water Fishery; MF = Migratory Fishes; EV = Exceptional Value; TSF = Trout Stocking Fishery; WWF = Warm Water Fishery; HQ = High Quality

² PFO = Palustrine Forested; PSS = Palustrine Scrub-Shrub; PEM = Palustrine Emergent; R3 = Perennial Stream; R4 = Intermittent Stream; R6 = Ephemeral Stream

³ Widths are reported as the maximum width for the feature. Stream lengths are reported on the impact maps as the sum of the permanent and temporary lengths.

⁴ Multiple streams are included in these calculations as the floodways overlap.

⁵ Temporary impacts to PFO wetlands include temporal conversion from forested to scrub-shrub or emergent wetland. Within this wetland, a 30-foot-wide corridor centered over the pipeline will be permanently converted from forested to scrub-shrub or emergent wetland; the remainder of the wetland will be allowed to fully revert back to PFO.

⁶ The temporary floodway impact represents the full extent of the floodway across the existing access road. Project activities within the floodway will be limited to installation of rock matting on the existing gravel surface, installation of compost filter sock, and placement of timber matting over existing culverts, as well as vehicle traffic along the existing access road. No permanent fill will be placed or grading completed within the floodway. The rock matting detail is shown on the Access Road Erosion & Sediment Control and Layout Plans in Attachment M.

⁷ The temporary floodway impact represents the full extent of the floodway across the existing access road. Project activities within the floodway will be limited to placement of bridge equipment crossings over the existing streams, as well as vehicle traffic along the existing access road. No permanent fill will be placed or grading completed within the floodway.

⁸ The temporary floodway impact represents the full extent of the floodway across the existing access road. Project activities within the floodway will be limited to vehicle traffic along the existing access road. No permanent fill will be placed or grading completed within the floodway.

⁹ The temporary floodway impact represents the full extent of the floodway across the existing access road. Project activities within the floodway will be limited to vehicle traffic along the existing access road. No permanent fill will be placed or grading completed within the floodway.

¹⁰ The temporary floodway impact represents the full extent of the floodway across the existing access road. Project activities within the floodway will be limited to placement of timber matting over the existing culvert on the gravel road surface, as well as vehicle traffic along the existing access road. No permanent fill will be placed or grading completed within the floodway.