



**ATLANTIC COAST PIPELINE, LLC
ATLANTIC COAST PIPELINE
Docket Nos. CP15-554-000 &
CP15-554-001**

and



**DOMINION ENERGY
TRANSMISSION, INC.
SUPPLY HEADER PROJECT
Docket No. CP15-555-000**

**Supplemental Information
May 26, 2017**

Prepared by



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APPENDICES

Appendix A	To be Filed
Appendix B	Proposed Modifications to the Plan and Procedures
Appendix C	Updated Project Facility Maps
Appendix D	Responses to “A High-Risk Proposal Drilling through the Blue Ridge Mountains for the Atlantic Coast Pipeline”
Appendix E	Biological Survey Reports (Contains Privileged Information – Do Not Release)
Appendix F	Architectural Survey Report
Appendix G	Archaeological Site Testing Reports (Contains Privileged Information – Do Not Release)
Appendix H	Revisions to Tables 4.3.3-1 and 4.3.3-2
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ATLANTIC COAST PIPELINE – Docket Nos. CP15-554-000 and CP15-554-001**SUPPLY HEADER PROJECT – Docket No. CP15-555-000****1.0 ENGINEERING AND PROJECT DESIGN****1.1 Best-In-Class Program Details for Erosion and Sediment Controls**

Atlantic Coast Pipeline, LLC (Atlantic) and Dominion Energy Transmission, Inc. (Dominion Energy) are proposing to implement a best-in-class design program to mitigate landslide risks and maintain steep slopes during construction and operation of the Atlantic Coast Pipeline (ACP) and Supply Header Project (SHP) (collectively, the Projects). Atlantic's and Dominion Energy's land disturbance applications for the Projects provide descriptions of the best-in-class program, including requirements for erosion and sediment controls. Copies of the land disturbance applications for the SHP (Pennsylvania and West Virginia) and the ACP (West Virginia and North Carolina) will be provided in Appendix A (to be filed). Atlantic anticipates filing the land disturbance permit application for the ACP in Virginia in June 2017.

1.2 Proposed Modifications to the FERC Plan and Procedures

Comprehensive lists of proposed modifications to FERC's *Upland Erosion Control, Revegetation, and Maintenance Plan* (Plan) and *Wetland and Waterbody Construction and Mitigation Procedures* (Procedures), based on the final designs of the erosion and sediment control plans for the Projects, are provided in Appendix B. These modifications are in addition to those previously requested by Atlantic and Dominion Energy in a supplemental filing on July 29, 2016 (FERC Accession Number 20160729-5256) and approved by FERC in the Draft Environmental Impact Statement (DEIS) for the Projects. Atlantic and Dominion Energy have not identified any additional modifications related to construction workspace greater than 75 feet wide in a wetland or additional temporary workspace within 50 feet of a wetland or waterbody.

1.3 Updated Project Facility Maps

Updated topographic facility maps for the Projects are provided in Appendix C. These maps depict the proposed pipeline centerlines, mileposts, construction footprints, aboveground facilities, access roads, cathodic protection facilities, contractor yards, and other facilities for the Projects.

1.4 Response to High Risk Report

A document of comments titled "A High-Risk Proposal Drilling through the Blue Ridge Mountains for the Atlantic Coast Pipeline" was filed on February 7, 2017 (FERC Accession Number 20170207-5072). Atlantic's responses to this document are provided in Appendix D.

2.0 ENVIRONMENTAL AND CULTURAL RESOURCES**2.1 Biological Survey Reports**

Atlantic and Dominion Energy are conducting surveys for various rare, threatened, and endangered species and/or habitat for these species as recommended by the U.S. Forest Service

(USFS), U.S. Fish and Wildlife Service (USFWS), and/or State/Commonwealth wildlife management agencies. With this filing, Atlantic and Dominion Energy are providing the following biological survey reports for the Projects:

- Green Salamander Habitat Report for the Monongahela National Forest in West Virginia (ACP);
- Small Mammal Survey Report for the George Washington National Forest (GWNF) in Virginia (ACP);
- Macroinvertebrate Survey Report for the GWNF in Virginia (ACP);
- Candy Darter Habitat Report for West Virginia (ACP); and
- Bat Habitat Report for West Virginia (SHP).

Atlantic and/or Dominion Energy sent copies of the survey reports to the USFS, USFWS, and/or State/Commonwealth wildlife agencies, as appropriate, for review and comment. Copies of the survey reports and transmittal letters to the agencies are provided in Appendix E. Because the reports contain location information for sensitive species, they are marked “Contains Privileged Information – Do Not Release”. Atlantic and/or Dominion Energy will file comments from the USFS, USFWS, and State/Commonwealth agencies on each report, as appropriate and applicable, when available.

2.2 Cultural Resources Survey and Testing Reports

Atlantic and Dominion Energy are conducting field investigations for archaeological sites, historic architectural sites, and other cultural resources. With this filing, Atlantic is providing the following survey and testing reports for the ACP:

- Phase I Architectural Survey Addendum 6 Report for Virginia;
- Phase I Cultural Resources Survey Addendum Report for the GWNF in Virginia;
- Phase II Archaeological Site Testing Report for Virginia; and
- Phase II Archaeological Site Testing Report for North Carolina.

Atlantic sent the architectural survey and archaeological site testing reports to the Virginia Department of Historic Resources (VDHR) or North Carolina Department of Natural and Cultural Resources (NCDNCR), as appropriate, for review and comment. Copies of the architectural survey report and transmittal letter to the VDHR are provided in Appendix F. Copies of the archaeological site testing reports and transmittal letters to the VDHR and NCDNCR are provided in Appendix G. Because the testing reports contain location information for archaeological sites, they are marked “Contains Privileged Information – Do Not Release”. Atlantic will file comments from the VDHR or NCDNCR on each report, as appropriate and applicable, when available.

2.3 Updated Wetland Impact Tables

Atlantic and Dominion Energy filed updated impact tables for the Projects on May 8, 2017 (FERC Accession Number 20170508-5071), including DEIS Tables 4.3.3-1 and 4.3.3-2, which summarize wetland impacts due to construction and operation of the Projects. The wetland impacts summarized in these tables assumed that a 50-foot-wide corridor would be maintained across wetlands during operation of the Projects. Revisions to Tables 4.3.3-1 and 4.3.3-2 are provided in Appendix H. The table revisions assume that impacts due to operation of the Projects in wetlands will be limited to maintenance of a 10-foot-wide corridor in an herbaceous state and removal of trees greater than 15 feet in height from within 15 feet of the pipeline, which is consistent with the Procedures.

3.0 RESPONSES TO STAFF RECOMMENDATIONS

Atlantic's responses to Staff Recommendations 18, 19, 29, 30, and 70 are provided in the subsections below.

3.1 Staff Recommendation 18 – Slip Avoidance, Identification, Prevention, and Remediation Policy

Staff Recommendation 18 of the DEIS for the Projects directed Atlantic and Dominion Energy to verify that the Slip Avoidance, Identification, Prevention, and Remediation - Policy and Procedure (SAIPR) document, initially provided as Appendix 6D of Resource Report 6 (filed on September 18, 2015; FERC Accession Number 20150918-5212), applies to the entire ACP and SHP and not just those portions of the Projects in West Virginia. Atlantic and Dominion Energy verified that the SAIPR document is applicable to all Dominion Energy projects, not just those in West Virginia, in comments on the DEIS for the Projects, which were filed on February 9, 2017 (FERC Accession Number 20170209-5263). Therefore, Atlantic and Dominion Energy have fulfilled Staff Recommendation 18.

3.2 Staff Recommendation 19 – Mines and Mining Hazards

Staff Recommendation 19 of the DEIS for the Projects directed Atlantic and Dominion Energy to file outstanding geotechnical studies and recommendations related to surface and subsurface mine subsidence hazards as well as a *Mining Area Construction Plan* if shallow mines are found along the proposed pipeline routes. Mines and mining hazards along the proposed routes were addressed in Atlantic's and Dominion Energy's *Geohazard Analysis Program Phase 2 Report*, which was filed on August 2, 2016 (FERC Accession Number 20160802-5107) and *Addendum to the Geohazards Field Survey Report*, which was filed on May 12, 2017 (FERC Accession Number 20170512-5163). Additionally, an updated table listing active and abandoned mines within 0.25 mile of the proposed ACP and SHP facilities and a map set depicting the extent of mining permit areas or limits of underground mines crossed by the proposed pipelines were filed on May 8, 2017 (FERC Accession Number 20170508-5071). There are no outstanding geotechnical or other studies or recommendations related to surface and subsurface mine hazards based on the referenced studies. No impacts on or from the subsurface mines crossed by the Projects are anticipated and there are no active surface mines in the path of the ACP requiring a *Mining Area Construction Plan*. Therefore, Atlantic's and Dominion

Energy's previous submittals of the geohazards studies and updated mine table and map set fulfill Staff Recommendation 19.

3.3 Staff Recommendation 29 – Access Road 04-002-B001.AR6.1

Staff Recommendation 29 of the DEIS for the Projects directed Atlantic to file the results of vegetation surveys along Access Road 04-002-B001.AR6.1 for Kumbrabow State Forest, or alternatively, agency correspondence indicating that surveys of the road are not required. Atlantic provided additional information on Access Road 04-002-B001.AR6.1 in its comments on the DEIS, which were filed on February 9, 2017 (FERC Accession Number 20170209-5263). As noted in those comments, Access Road 04-002-B001.AR6.1 does not fall within the boundaries of Kumbrabow State Forest. Moreover, no habitat for federally listed plants was identified during a botanical desktop review of the road completed in 2016, and botanical surveys of the road have not been requested by the USFWS, West Virginia Division of Natural Resources, or West Virginia Division of Forestry. For these reasons, no vegetation surveys of the road are planned. With the filing of this additional information regarding Access Road 04-002-B001.AR6.1, Atlantic believes that Staff Recommendation 29 no longer applies to the ACP.

3.4 Staff Recommendation 30 – Conservation Sites in Virginia

Staff Recommendation 30 directed Atlantic to continue its consultations with the Virginia Department of Conservation and Recreation (VDCR) on “Atlantic’s proposed avoidance and minimization measures at the Handsom-Gum, Branchville, and Emporia Powerline Bog Conservation Sites, and file...any correspondence demonstrating concurrence and/or additional recommendations from the VDCR.” Atlantic has and continues to consult with the VDCR regarding the proposed crossings of, and conservation measures for, these sites. Recent actions taken by Atlantic to address issues identified by the VDCR include the following:

- Atlantic committed to completing hydrological studies at the Handsom-Gum and Emporia Bog Conservation Sites to assess the potential for changes in groundwater flow and impacts on wetland resources due to construction and operation of the ACP. In recent months, Atlantic filed a study plan for the hydrological investigations (FERC Accession Number 20161109-5138); a written response to VDCR comments on the study plan (FERC Accession Number 20170224-5149); and minutes from a meeting with VDCR staff to discuss the study plan (FERC Accession Number 20170412-5098). Atlantic anticipates completing the hydrological studies and providing results to the VDCR and FERC in the summer of 2017.
- Atlantic adopted the Emporia Power Line Route Adjustment on January 19, 2017 (FERC Accession Number 20170119-5180) to minimize impacts on natural heritage resources at this site. The table updates filed by Atlantic and Dominion Energy on May 8, 2017 (FERC Accession Number 20170508-5071) included this route adjustment.
- Atlantic responded to comments from the VDCR regarding conservation sites in a letter to the Virginia Department of Environmental Quality (VDEQ) dated May 11, 2017 (FERC Accession Number 20170512-5163). Atlantic provided

additional information on right-of-way maintenance activities in wetlands and adopted a VDCR recommendation regarding vegetation maintenance at wetlands within the Handsom-Gum, Branchville, and Emporia Powerline Bog Conservation Sites. Atlantic additionally reaffirmed its commitment to continue coordinating with the VDCR to identify mitigation measures that will minimize or avoid impacts on these sites.

Atlantic will continue to file updates on its ongoing consultations with the VDCR regarding the Handsom-Gum, Branchville, and Emporia Powerline Bog Conservation Sites as warranted.

3.5 Staff Recommendation 77 – Construction Footprint on U.S. Forest Service Lands

Staff Recommendations 77b and 77c of the DEIS for the Projects directed Atlantic to file locations where an additional 25 feet of workspace will be required for full width topsoil segregation on USFS lands and provide updated construction impact information for environmental, biological, and cultural resources based on these changes. Atlantic continues to work with USFS staff through the COM Plan process to identify requirements for topsoil segregation in the MNF and GWNF. A letter from Atlantic to the USFS identifying locations where Atlantic is committing to conduct topsoil segregation of the trenchline excavation and an additional 25 feet of workspace will be required to accommodate topsoil segregation on USFS lands is provided in Appendix I, fulfilling Staff Recommendation 77b. Atlantic anticipates filing information on the additional incremental impact of the additional 25 feet of workspace for topsoil segregation in June 2017, which will fulfill Staff Recommendation 77c.

4.0 AGENCY CORRESPONDENCE

Atlantic submitted summaries of agency contacts and copies of select correspondence with agencies in Appendices 1H and 1I of Resource Report 1, which were filed with the FERC Application on September 18, 2015 (FERC Accession Number 20150918-5212). Updated summaries of agency contacts and copies of correspondence were also provided with supplemental filings or data responses on October 30, November 13, and December 15, 2015; January 13, January 29, March 24, April 15, May 13, June 17, July 1, July 18, July 29, August 15, September 1, September 15, September 30, October 17, October 20, October 31, November 17, and December 1, 2016; and January 10, January 27, February 24, March 10, March 24, March 31, April 6, April 12, May 1, May 5, and May 12, 2017 (FERC Accession Numbers 20151030-5363, 20151113-5192, 20151215-5252, 20160113-5231, 20160129-5227, 20160324-5120, 20160415-5014, 20160513-5223, 20160617-5151, 20160701-5255, 20160718-5164, 20160729-5256, 20160816-5051, 20160901-5260, 20160915-5216, 20160930-5310, 20161017-5045, 20161020-5049, 20161031-5198, 20161117-5168, 20161201-5309, 20170110-5142, 20170127-5202, 20170224-5149, 20170310-5157, 20170324-5283, 20170406-5362, 20170412-5098, 20170501-5259, 20170505-5036, and 20170512-5163, respectively). Summaries of recent agency contacts and copies of correspondence for the ACP and SHP are provided in Appendices I and J, respectively.