

Atlantic Coast Pipeline

October 23, 2014

Project Overview

- Dominion is planning to construct a natural gas pipeline to be known as the Atlantic Coast Pipeline (ACP).
- On September 2nd Dominion announced the formation of a partnership, called Atlantic Coast Pipeline LLC. The partnership will own the pipeline initially proposed by Dominion known as the Southeast Reliability Project. It is designed in part to meet the needs identified in requests for proposals last April by Duke Energy and Piedmont, among others.
- The project will deliver natural gas supplies from the Appalachian basin to serve existing and growing markets in the mid-Atlantic region including Virginia.
- The proposed project would be located in Virginia as well as West Virginia and North Carolina.

Project Overview

- The pipeline trunk line would total ~475 miles (~78 miles in West Virginia, ~217 miles in Virginia, ~180 miles in North Carolina) and have multiple laterals in Virginia totaling ~79 miles for a total of ~554 miles of pipeline.
- Dominion is has started to conduct both cultural resource and environmental studies in WV, VA, and NC along the proposed pipeline in May of 2014 and with continue these studies through the 2nd quarter of 2015.
- It is anticipated that obtaining all applicable federal, state, and local regulatory approvals will take up to two years.
- FERC will be the lead federal agency overseeing this project and will be coordinating the NEPA review.
- Construction is planned to primarily occur in 2017 and 2018 , with the pipeline in service by the end of 2018.

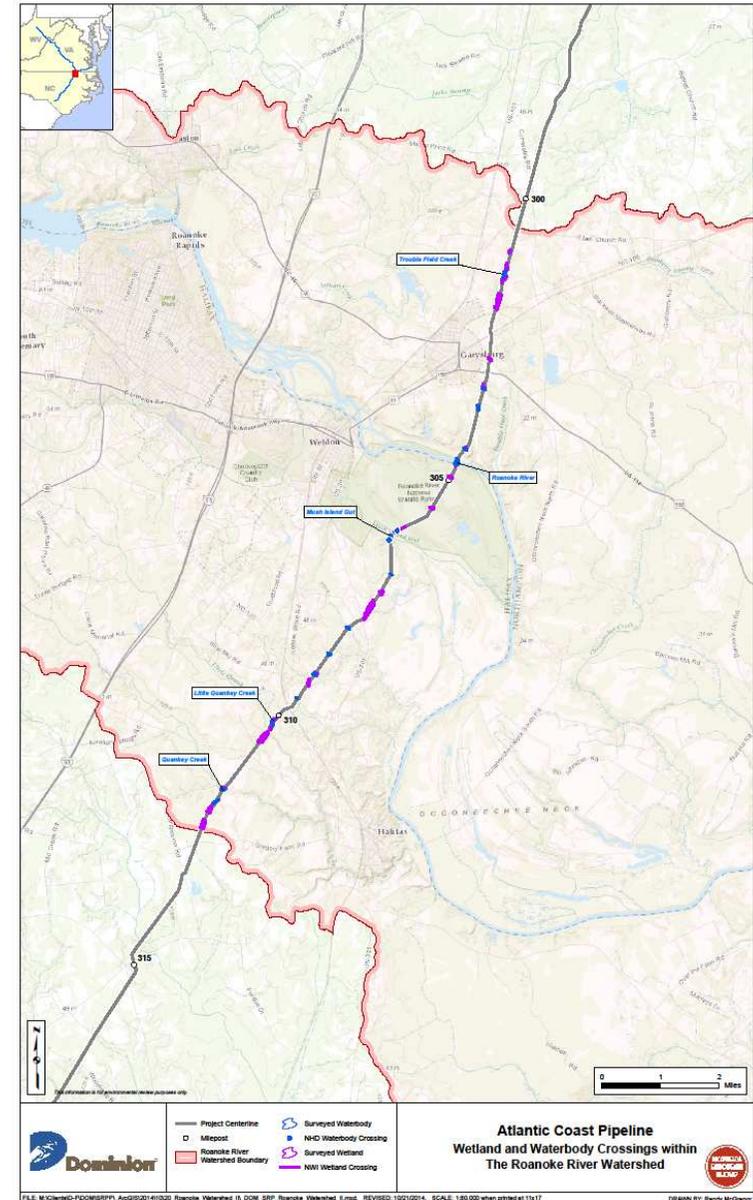
Project details

- **Length:** Approximately 554 miles
- **Pipe:** 42-inch diameter in West Virginia and Virginia; 36-inch diameter in North Carolina. Two laterals in VA.
- **Capacity:** 1.5 billion cubic feet/day
- **Three compressor station locations:**
 - West Virginia (Louis County)
 - Central Virginia (Buckingham County)
 - North Carolina (Northampton County)
- **Route:** The final pipeline route has not been selected. Dominion is conducting surveys and will determine the best route based on landowner input and an assessment of environmental, historic and cultural impacts.



Roanoke River Watershed

- **Length of Pipeline Route in Roanoke River Watershed:** Approximately 13 miles
- **Number of water bodies potentially crossed within watershed:** 21 rivers and streams/creeks including:
 - Roanoke River
 - Mush Island Gut
 - Little Quankey Creek
 - Quankey Creek
- **Wetland Crossings:** ~24.5 acres during construction with ~14.7 acres in the permanent pipeline ROW
- **Water Body Crossing:** ~644 feet with ~347 feet of this distance being the Roanoke River
- **Crossing Techniques:** To be determined through permitting process with USACE and applicable state agencies.



Roanoke River Islands Preserve Northampton County, North Carolina



Anticipated VA and Federal Permitting

Agency	Permit/Approval/Consultation
U.S. Army Corps of Engineers – Huntington, Pittsburgh, Norfolk, and Wilmington Districts	Department of the Army Permits under Section 404 of the Clean Water Act and Section 10 of the Rivers and Harbors Act
Virginia Department of Conservation and Recreation	Virginia Scenic Rivers Clearance
Virginia Department of Environmental Quality – Coastal Zone Management Program	Consistency Determination under the Virginia Coastal Zone Management Program
Virginia Department of Environmental Quality – Air Division	Air Permit - New Source Review Permit
Virginia Department of Environmental Quality – Water Division	Water Quality Certificate under Section 401 of the Clean Water Act (Joint Permit Application for the Water Quality Certificate, Virginia Water Protection Permit, River and Stream Crossing Permit, and Department of the Army Permit)
Virginia Department of Environmental Quality – Water Division	Virginia Water Protection Permit (Joint Permit Application for the Water Quality Certificate, Virginia Water Protection Permit, River and Stream Crossing Permit, and Department of the Army Permit)
Virginia Department of Environmental Quality – Water Division (or approved local government)	General Permit for Discharges of Stormwater from Construction Activities (VAR10)
Virginia Department of Environmental Quality – Water Division	General Permit for Discharges from Petroleum Contaminated Sites, Groundwater Remediation, and Hydrostatic Tests (VAG83)
Virginia Department of Environmental Quality – Water Division	Soil and Erosion Plan and Variance for Open Trench Length
Virginia Department of Environmental Quality – Office of Water Supply	Surface Water Withdrawal Permit
Virginia Department of Game and Inland Fisheries	Natural Heritage/Protected Species Consultation
Virginia Department of Historical Resources	Consultation under Section 106 of the National Historic Preservation Act
Virginia Marine Resources Commission	River and Stream Crossing Permit (Joint Permit Application for the Water Quality Certificate, Virginia Water Protection Permit, River and Stream Crossing Permit, and Department of the Army Permit)

Anticipated NC and Federal Permitting

Agency	Permit/Approval/Consultation
U.S. Army Corps of Engineers – Huntington, Pittsburgh, Norfolk, and Wilmington Districts	Department of the Army Permits under Section 404 of the Clean Water Act and Section 10 of the Rivers and Harbors Act
North Carolina Department of Environment and Natural Resources – Division of Air Quality	Air Permit – Stationary Source Construction and Operation Permit
North Carolina Department of Environment and Natural Resources – Division of Energy, Mineral, and Land Resources (or approved local government)	General Permit NCG 010000 to Discharge Stormwater under the National Pollutant Discharge Elimination System
North Carolina Department of Environment and Natural Resources – Division of Energy, Mineral, and Land Resources (or approved local government)	General Permit SWG040000- General Permit to Construct a Linear Utility Line and Associated Incidental Built-Upon Area
North Carolina Department of Environment and Natural Resources – Division of Energy, Mineral, and Land Resources (or approved local government)	Approval of Erosion and Sediment Control Plan
North Carolina Department of Environment and Natural Resources – Division of Water Resources	Water Quality Certificate under Section 401 of the Clean Water Act
North Carolina Department of Environment and Natural Resources – Division of Water Resources	Isolated and Other Non-404 Jurisdictional Wetlands and Waters Permit
North Carolina Department of Environment and Natural Resources – Division of Water Resources	Buffer Authorization (for riparian zone disturbance)
North Carolina Department of Environment and Natural Resources - Natural Heritage Program	Natural Heritage/Protected Species Consultation
North Carolina State Historic Preservation Office	Consultation under Section 106 of the National Historic Preservation Act
North Carolina Wildlife Commission	Protected Species Consultation

Regulatory process and timeline

The Federal Energy Regulatory Commission (FERC) is the lead agency. If Dominion decides to move forward with the proposed project:

Activity	Timing
Survey/route planning	May 2014 – 2Q 2015
FERC Pre-Filing Request	Fall 2014
FERC Application	Summer 2015
FERC Certificate	Summer 2016
Construction	2017-2018
In-service	Late 2018

Public participation

Pre-filing activity	Timing
Survey notification letters to landowners within the 400-foot study area	Mid-May 2014
Local officials informed about surveying letters	May-June 2014
Meetings with Boards of Commissioners/Supervisors and municipal governments	Aug.-Sept. 2014
Open houses and Scoping Meetings	2014-2016
Construction	2017-2018
In-service	Late 2018

Closing

Questions?