

VNG HEADER IMPROVEMENT PROJECT

24 mi

Total Proposed Miles of Pipelines

3

Compressor Stations

68

Affected Streams and Rivers

150+

Acres of Impacted Wetlands

\$20.75 million

Cost to VNG Customers

Source: Virginia Natural Gas

What is it?

The project consists of:

 **Transco Interconnect Pipeline:** 6.2 miles of steel pipeline connecting VNG's existing Quantico pipeline with the Transco pipeline, cutting through Fauquier and Prince William counties (all pipelines will be 30 inches in diameter)

 **Quantico Parallel Pipeline:** 3.3 miles of pipeline running parallel to VNG's existing Quantico pipeline in Fauquier County

 **Mechanicsville Parallel Pipeline:** 14.6 miles of pipeline running parallel to VNG's existing Lateral Pipeline in Hanover, New Kent, and Charles City counties

 **Transco Interconnect Compressor Station:** new compressor station in Prince William County

 **Ladysmith Compressor Station Expansion:** expanding the footprint of the existing Ladysmith Compressor Station in Caroline County

 **Gidley Compressor Station:** new compressor station in the existing Gidley Gate Metering/Regulation Station in the City of Chesapeake

The Numbers:

The proposed operational date for the entire project, including a separate Charles City C4GT facility, is December 31, 2022. The total estimated cost of the project is \$346 million, 6% of which will be financed by VNG's customers via base rates.

Environmental Impacts in Northern Virginia:

The project sections will cross **four major streams** (Cedar Creek, Cedar Run, Slate Run and Town Run) and more than a dozen unnamed streams in the area. The pipelines will be located within a 100-foot radius of **37 acres of wetlands** in Prince William and Fauquier counties. The Occoquan Reservoir Intake is also in the pathway of the pipeline construction and it is a major drinking water source for all of Northern Virginia.

Compressor stations emit air pollutants that are harmful to human health, including **toxic air pollutants**. A recent study of compressor stations found **70 chemicals** that were released, with many linked to multiple categories of human disease. According to the proposed permit for the Buckingham compressor station, it would emit nitrogen oxides (NO₂), carbon monoxide (CO), volatile organic compounds (VOCs), sulfur dioxide (SO₂), and particulate matter (PM). Transco Interconnect Pipeline would be in a 100-foot radius of **28.10 acres of farmland** and **80.80 acres of forest**. The Quantico Parallel Pipeline would be in a 100-foot radius of **50.17 acres of farmland** and **23.27 acres of forest**.

