

Renewable Natural Gas Project

Virginia Natural Gas (VNG) announces a new **Renewable Natural Gas** (RNG) project in partnership with the **Hampton Roads Sanitation District** (HRSD). This innovative project will convert biogas from the Atlantic Treatment Plant into RNG, providing a sustainable energy source and reducing greenhouse gas emissions.



Key Project Highlights

RNG

First RNG Project: Virginia Natural Gas's first RNG project is made possible by the Sustainable Gas Program and the Virginia Energy Innovation Act.



Production and Benefits: The project aims to provide an additional source of supply for VNG and create a beneficial use of biogas with an expected production of approximately 203,455 MMBtu/year.



Emission Reductions: The project supports emission reductions and provides a new natural gas source for east central Virginia.



Workforce Development: 268 construction jobs and 18 permanent jobs will result from this project.



Current Biogas Use: Currently, biogas is utilized at HRSD for combined heat and power (CHP) or flared on-site. This project will significantly reduce on-site flaring at HRSD.



Construction and Operation: Johnson Controls Inc. will construct the facility while VNG will own all RNG production infrastructure. VNG will also build and operate the interconnect to inject RNG into its pipeline system. Anticipated in-service date of Summer 2027.

What is RNG?

RNG is a low-carbon fuel produced from biogas derived from organic waste sources like landfills, agriculture and in this case, wastewater treatment. The facility will purify biogas produced in the Atlantic Treatment Plant's existing anaerobic digester, turning it into pipeline-quality gas that is interchangeable with geologic natural gas.

Why is this project important?

- **Heating Homes:** The RNG produced will be equivalent to heating about 5,000 homes for a year.
- **Coal Replacement:** It's the same amount of energy that would be delivered by 108 rail cars of coal in a year, effectively taking them off the tracks.
- **Daily Energy Production:** Per day, the facility will produce as much energy as half of the planned offshore wind turbines, equal to charging 4,000 EV car batteries (40KW EV batteries).

Did You Know?

- RNG can power homes, businesses and even vehicles.
- RNG is chemically identical to conventional natural gas – so no equipment changes are needed.
- RNG agreements, like this project, are a critical component in supporting emission reductions, benefitting both the environment and customers.



VNG is working to transform waste into a valuable energy source to protect the environment.

Learn more at virginiannaturalgas.com/sustainability.

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