

Virginia's Clean Energy Future



Coastal Virginia Offshore Wind



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Dominion Energy is currently developing the largest offshore wind farm in the United States, 27 miles off the coast of Virginia Beach. It's called Coastal Virginia Offshore Wind (CVOW) and it is transforming Hampton Roads and Virginia.



Clean Energy Power

Generates enough clean, sustainable energy to power up to 660,000 homes at peak



Clean Energy Diversity

Ensures energy independence, security, affordability and reliability while significantly reducing greenhouse gas emissions



Clean Energy Economy

Attracts clean energy companies seeking an east coast hub to support the US offshore wind industry



Clean Energy Air

Avoids carbon dioxide emissions equivalent to removing more than 1 million cars off the road each year



Clean Energy Goals

Serves as critical resource for meeting Virginia's objective of carbon-free energy by 2045



Clean Energy Jobs

Creates hundreds of direct and indirect jobs and tens of millions of dollars in pay and benefits annually



Clean Energy Reliability

Harnesses the power of the wind to complement energy generated by the sun



Clean Energy Savings

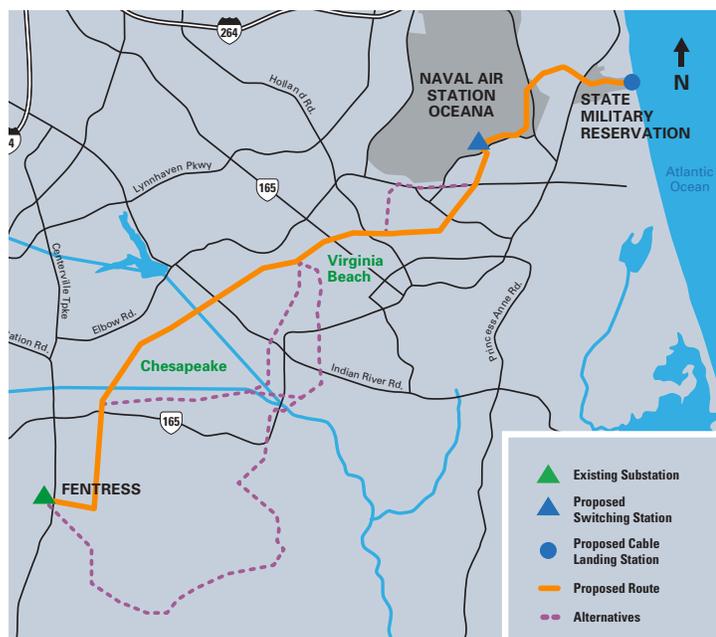
Unlocks billions of dollars in incentives and offsets from federal tax credits and fuel savings



Clean Energy Revenue

Provides millions of dollars in local and state tax revenue and hundreds of millions in economic benefits annually

Delivering Offshore Wind Energy



To ensure a strong, resilient and reliable transmission grid to support CVOW, Dominion Energy is building new electric transmission infrastructure from where the energy comes onshore in Virginia Beach to our existing Fentress substation in Chesapeake.

As part of our evaluation of transmission line route options, Dominion Energy held 10 virtual and in-person public meetings and conducted more than 1,100 individual, small group meetings, topic specific workshops and roundtables.

As a result, we have identified the Proposed Route for CVOW, as well as alternatives. The Proposed Route incorporates public input, maximizes publicly owned land and existing rights-of-way and minimizes, to the greatest extent possible, impacts to private property, the community, environment, and historical and cultural resources.

The Virginia State Corporation Commission will carefully review the Proposed Route and alternatives before determining the final route for the CVOW project in 2022.

Why is Dominion Energy pursuing offshore wind?

The Coastal Virginia Offshore Wind (CVOW) project possesses an immense potential as a renewable energy resource that can decrease greenhouse gas emissions, diversify energy supply, generate affordable electricity for homes and businesses, and help revitalize key economic sectors. It will also serve as a critical resource for meeting the sustainability goals of the Commonwealth of Virginia and addressing the growing threat of climate change across our most vulnerable communities.

When is the commercial project scheduled to become operational and deliver power to the grid?

The project is scheduled to be operational by the end of 2026.

How much will this project cost?

This project represents a clean energy investment of \$9.8 billion. Customer costs will be reduced by applicable federal tax credits and offshore wind will have no fuel costs over the life of the project. Over this time, the net average cost of the project to a typical residential customer is estimated at approximately \$4 per month, though this figure will initially be less and will vary from year-to-year.

Will there be any savings associated with offshore wind?

All project costs are subject to approval by the State Corporation Commission which will also consider the applicable tax credits of more than \$1 billion and expected fuel costs savings of more than \$3 billion for the project's first ten years, as wind power displaces traditional generation with fuel expenses, such as coal or natural gas.

How were the transmission route options identified?

Dominion Energy conducted a study over the last year that included the Hampton Roads region and extensive engagement with the community. With this study, we focused on understanding the community's needs; the locations of neighborhoods, public use and gathering spots, schools, churches and parks as well as important natural resources such as wetlands, historical and archaeological sites. We also evaluated existing rights-of-way and opportunities to co-locate with other infrastructure, such as existing transmission lines, roads, and railways.

To better understand the community's needs, Dominion Energy held 10 virtual and in-person public meetings and conducted more than 1,100 individual, small group meetings, topic-specific workshops and roundtables. The company also deployed an online interactive tool called GeoVoice, which provided the community the opportunity to review the route options and share feedback.

Do you have a "proposed" route?

Yes. As required with any similar transmission filing with the Virginia State Corporation Commission, Dominion Energy has a Proposed Route and alternatives. In our evaluation of the route options, which is included in the filing, the Proposed Route is based on public feedback, uses the greatest amount of publicly owned land and existing rights-of-way, and minimizes, to the greatest extent possible, impacts to private property, the community, environment, historical and cultural resources.

How is the final route selected?

Over the course of 2022, the Virginia State Corporation Commission will carefully evaluate the Proposed Route and the route alternatives, as well as public comments. The Commission will determine the final transmission line route to support the CVOW project.

Learn More



Scan the QR code or visit
coastalvawind.com

View the Transmission Routes



Scan the QR code or visit
coastalvawind.com/geovoice

Contact Us

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