

Offshore Wind for a Clean, Sustainable Energy Future



Clean, reliable, affordable energy is a top priority for us and our customers. After years of planning and coordination, our two-turbine pilot project is nearly complete. This project will allow Dominion Energy to harness an abundant, renewable resource to generate clean and sustainable energy for our customers. This pilot is the just beginning—a large-scale commercial project is now under development which will be capable of powering up to 660,000 homes. These efforts are bringing us closer to our goal of achieving net-zero greenhouse gas emissions across our nationwide footprint and requirements in the Virginia Clean Economy Act.



Virginia is Leading the Way

The pilot project places Virginia on a trajectory to lead offshore wind development:

- First offshore wind project installed in federal waters and the first owned by an electric utility
- An important first step that provides valuable experience in permitting, design, installation and operations for our large-scale commercial project

The large-scale commercial project will:

- Provide enough renewable energy to power up to 660,000 homes
- Provide economic development opportunities and lower the costs of offshore wind



Offshore Wind Brings Economic Opportunity, Clean Energy Jobs

- Virginia offers many advantages: best-in-class port, centrally located, capable workforce, supportive business and regulatory climate
- Recruiting turbine manufacturing, assembly and other prospects could bring thousands of jobs to Virginia and help diversify the Hampton Roads economy



Protecting the Environment

- Special precautions taken to ensure safety of North American Right Whale
- More than two dozen surveys and studies completed to ensure protection of environment and marine life
- Protective technology mitigated sound generating during construction
- Observers ensured sea life did not enter construction zone during installation
- Building the project 27 miles off the shore helps preserve bird life, avoiding migratory paths



CVOW Pilot Project In Service 2020

- Two wind turbines
- Approximately 600 feet tall
- 12 megawatt total capacity
- Located within a 2,135-acre lease area, 27 miles off the coast of Virginia Beach
- First offshore wind project installed in federal waters
- Designed to inform development of commercial project
- Enough to power 3,000 homes
- Installed without increasing customer rates



CVOW Commercial Project Under Development

- Around 188 wind turbines
- More than 800 feet tall
- 2,640 megawatt total capacity
- Located within a 112,800-acre lease area east of the pilot project
- Largest offshore wind project in United States.
- Designed to harness Virginia's unique renewable resource, moving toward a clean energy future

