

CONSTRUCTION

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RES to construct Copenhagen Wind Project in New York

Renewable Energy Systems (RES), a leader in the development, engineering, construction, and operations of wind, solar, transmission, and energy storage projects in the Americas, recently announced it was awarded the balance of a plant construction contract for the Copenhagen Wind Project developed and owned by EDF Renewable Energy, a subsidiary of EDF Energies Nouvelles. The project is in Jefferson and Lewis counties in upstate New York. RES was selected for balance of plant construction through a competitive third party bidding process.

Notice to proceed was awarded on May 24, 2017, and construction will begin on the 80 MW project in August 2017. It is scheduled for completion in November 2018. The Copenhagen Wind Project will use 40 Vestas V110 2.0MW turbines. RES will also construct an approximate 9-mile, 115kV transmission line, terminating at a newly constructed substation along an existing National Grid-owned transmission line.

“Copenhagen will be RES’ first wind project constructed in the state of New York, and we are pleased to be contributing to the economic benefits this project will provide to the community,” said Jason Zingerman, vice president of construction for RES in the Americas. “This project is another step forward toward our goal of a low-carbon future for all, and adds to our proud track record of working alongside EDF Renewable Energy.”

“We are pleased to be working with RES to construct EDF RE’s



The Copenhagen Wind Project will use 40 Vestas V110 2.0MW turbines such as the one pictured here. (Courtesy: Vestas)

first project in New York,” said Ryan Pfaff, executive vice president at EDF RE. “Copenhagen Wind is yet another great example of how wind power provides an economic boost to rural America through the creation of local jobs, tax base, and recurring landowner lease payments, and we look forward to partnering with the local community in Lewis and Jefferson counties to make the project a success.”

“National Grid is pleased to partner with Renewable Energy Systems on the Copenhagen Wind Project,” said Brian Gemmell, National Grid vice president of FERC Strategy and Performance. “We are committed to supporting innovative solutions that harness energy from alternative energy sources and help to achieve the company’s

clean-energy goals. National Grid is excited to play a leadership role to drive a cleaner, greener energy future to promote New York’s renewable energy target of 50 percent renewables by 2030.”

During peak construction, Copenhagen will support 120 jobs to bring the benefits of renewable energy to upstate New York. This project will offset 177,000 metric tons of CO2 emissions annually (as per the Environmental Protection Agency GHG calculator), which is equivalent to the greenhouse gas emissions from 37,500 passenger vehicles driven over the course of one year. ↴

Source: Renewable Energy Systems

For more information, go to www.res-group.com/en

Dong Energy to construct 12 MW of offshore wind energy off Virginia coast

As part of its ongoing commitment to bring cleaner energy to its customers, Dominion Energy Virginia is moving forward on the mid-Atlantic's first offshore wind project in a federal lease area.

Dominion has signed an agreement and strategic partnership with Dong Energy of Denmark, a global leader in offshore wind development, to build two 6-MW turbines off the coast of Virginia Beach. The two companies will now begin refining agreements for engineering, procurement, and construction. Dominion Energy remains the sole owner of the project.

Engineering and development work on the newly named Coastal Virginia Offshore Wind project is expected to begin immediately by Dong Energy to support the targeted installation by the end of 2020.

The timing for construction depends on many factors such as weather and protected species migration patterns.

The project is an important first step toward offshore wind development for Virginia and the United States. It would be only the second offshore wind project in the nation and the first owned by an electric utility company. Along with clean energy, it will provide Dominion Energy with valuable experience in managing offshore wind resources.

ENERGY LEADER

"Virginia is now positioned to be a leader in developing more renewable energy thanks to the Commonwealth's committed leadership and Dong's unrivaled expertise in building offshore wind farms," said Thomas F. Farrell II, Dominion Energy's chairman, president, and chief executive officer. "While we have faced many technological challenges and even more doubters as we advanced this project, we have been steadfast in our commitment to our customers and the communities we serve."

"Today marks the first step in what I expect to be the deployment of hundreds of wind turbines off Virginia's coast that will further diversify our energy production portfolio, create thousands of jobs, and reduce carbon emissions in the Commonwealth," said Gov. Terry McAuliffe. "Hampton Roads has the ideal port assets and talented workforce to attract and house the offshore wind business supply chain to support not only Virginia's commercial wind area, but also wind farms under development in Massachusetts, New York, and Maryland. Today's announcement advances our efforts to build a new Virginia economy that is cleaner, stronger, and more diverse."

"Dong Energy is the energy supplier in Europe that

has come the farthest in the transition to renewable energy, and we are excited to bring our expertise to America," said Samuel Leupold, executive vice president and CEO of Wind Power at Dong Energy.

"This project will provide us vital experience in constructing an offshore wind project in the United States, and serve as a stepping stone to a larger commercial-scale partnership between our companies in the future. We see the tremendous potential in the Mid-Atlantic for emission-free, renewable wind generation, and we are excited to help the Commonwealth in reaping the benefits of wind power," he said.

PHASE-ONE DEVELOPMENT

This phase-one development of two wind turbines will be built approximately 27 miles off the coast of Virginia Beach on a 2,135-acre site leased by the Virginia Department of Mines, Minerals and Energy.

The project opens the door to long-term commercial wind development. It will provide the critical operational, weather, and environmental experience needed for large-scale development in the adjacent 112,800-acre site leased by Dominion Energy from the Bureau of Ocean Energy Management (BOEM).

Full deployment could generate up to 2,000 megawatts of energy – enough to power half a million homes.

The two companies have signed a memorandum of understanding, which gives Dong Energy exclusive rights to discuss a strategic partnership with Dominion Energy about developing the commercial site based on successful deployment of the initial test turbines.

The project continues what previously was called the Virginia Offshore Wind Technology Assessment Project (VOWTAP). Dominion Energy began work on the project in 2011 as part of a Department of Energy grant to develop and test new wind technologies that could lower the cost and withstand hurricanes.

During that time, key achievements were made to advance the project including: Approval of the Research Activities Plan by BOEM and environmental studies, which included avian and bat surveys, as well as assessments of ocean currents, archeological conditions, and whale migration patterns. ↴

Source: Business Network of Offshore Wind

For more information, go to www.bizmdosw.org