

# Project Information

## Project Title:

Kitty Hawk South Offshore Wind Project

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Sector: [Renewable Energy Production](#) Type : [Wind: Federal Offshore](#)

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## Project Location Address:

- **City:** Virginia Beach (VA). Dare, Carteret, Currituck Counties (NC)  
**State:** North Carolina

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## Coordinates:

- **Latitude:** 75.0668260°W  
**Longitude:** 36.3071193°N

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## Project Sponsor Contact Information:

- **Company Name/Agency:** Avangrid Renewables, LLC  
**Project Sponsor:** Kitty Hawk Wind, LLC  
**Street Address:** 125 High Street, 6th floor  
**City:** Boston  
**State:** Massachusetts  
**Zip:** 02110  
**POC Name:** Bill White  
**POC Title:** President and CEO, Avangrid Renewables, LLC  
**POC Work Phone:** [\(617\) 610-4413](tel:6176104413)  
**POC Email Address:** [bill.white@avangrid.com](mailto:bill.white@avangrid.com)

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## Alternative Point Of Contact (Optional):

- **Company Name/Agency:** Avangrid Renewables, LLC  
**Project Sponsor:** Kitty Hawk Wind, LLC  
**Street Address:** 125 High Street, 6th floor  
**City:** Boston  
**State:** Massachusetts  
**Zip:** 02110  
**POC Name:** Marcus Cross  
**POC Title:** Kitty Hawk Project Director  
**POC Work Phone:** [617-416-7864](tel:6174167864)  
**POC Email Address:** [marcus.cross@avangrid.com](mailto:marcus.cross@avangrid.com)

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## Project Purpose:

The Project goal is to deliver domestic renewable energy from up to 121 wind turbine generators (WTGs) to Virginia and/or North Carolina where it will be injected into the PJM Interconnection's and/or SERC Reliability Corporation's energy grid, respectively, to make a substantial contribution to the region's electrical reliability and energy security, in alignment with the clean energy mandates included in the Virginia Clean Economy Act and North Carolina's Clean Energy Plan.

To combat climate change, the Commonwealth of Virginia enacted the Virginia Clean Economy Act in April 2020 to transition Virginia's biggest utility companies from the current electric portfolio to 100 percent carbon-free resources by 2050. The Act sets a target for Dominion Energy Virginia to produce their electricity from 100 percent renewable sources by 2045, with 5.2 gigawatts of offshore wind by 2034. The Lease Area is one of two existing Bureau of Ocean Energy Management (BOEM) lease areas eligible to meet the offshore wind target. Dominion Energy Virginia included 5.2 gigawatts of offshore wind in its proposed path to meet carbon and legislatively mandated renewable energy goals in its most recent Integrated Resource Plan (VEPC 2020). The Commonwealth of Virginia has established the third-largest U.S. offshore wind commitment. Energy from the Project will be essential to enabling the Commonwealth of Virginia and Dominion Energy Virginia to meet this clean energy objective.

In June 2021, North Carolina Governor Roy Cooper issued Executive Order No. 218 which established an offshore wind development goal for the State. In addition to realizing economic benefits across the state, offshore wind will help achieve the North Carolina Clean Energy Plan goal of a 70 percent reduction in power sector greenhouse gas emissions by 2030 and carbon neutrality by 2050.

Additionally, the Commonwealth of Virginia, State of North Carolina, and State of Maryland have established the Southeast and Mid-Atlantic Regional Transformative Partnership for Offshore Wind Energy Resources (SMART-POWER) to "promote, develop, and expand offshore wind energy generation and the accompanying industry supply chain and workforce" in the region (SMART-POWER 2020). Development of the Project will help SMART-POWER promote the region as an offshore wind energy and industry hub and build the region's supply of clean, renewable energy.

In support of these goals, Kitty Hawk Wind, LLC submitted the Kitty Hawk South Offshore Wind Project Construction and Operations Plan (COP) to BOEM on April 14, 2022.

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## **Project Description:**

Kitty Hawk Wind, LLC proposes to construct, own, and operate the Kitty Hawk South Offshore Wind Project. The Project will be located in the designated Renewable Energy Lease Area OCS-A 0508 (Lease Area). The Commercial Lease of Submerged Lands for Renewable Energy Development on the Outer Continental Shelf of Lease Area OCS-A 0508 was awarded through the BOEM competitive renewable energy lease auction of the Wind Energy Area offshore of North Carolina. The Lease Area covers 49,536 hectares (ha) and is located 44 kilometers (km) offshore of Corolla, North Carolina.

At this time, the Company is proposing to develop the Kitty Hawk South Offshore Wind Project in the eastern portion of the Lease Area (33,768 ha; referred to as the Wind Development Area), located approximately 61 km east of Corolla, North Carolina and approximately 54 km northeast of Kill Devil Hills, North Carolina. The offshore components of the Project, including the WTGs, offshore substations, and inter-array cables, will be located in federal waters within the Lease Area. The offshore export cable corridor will traverse both federal waters and state territorial waters of Virginia and/or North Carolina. Onshore Project components, including the export cable landfall location(s), onshore export and interconnection cables, and onshore electrical facilities, will be located in one or more of the following:

- City of Virginia Beach, Virginia;
- Dare County, North Carolina;
- Carteret County, North Carolina; and
- Craven County, North Carolina.

A COP for the Project, which includes detailed assessments of environmental, cultural, and historic resources, was submitted to BOEM on April 14, 2022.

Additional Project information is located at [www.KittyHawkOffshore.com](http://www.KittyHawkOffshore.com).

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## **Summary of Financing, Reviews and Authorizations:**

There is no federal financing required for the proposed Project.

Federal environmental reviews, permits, and authorizations will be required from a number of agencies, including BOEM, United States Army Corp of Engineers, National Ocean and Atmospheric Administration's National Marine Fisheries Service, Advisory Council on Historic Preservation, National Parks Service, United States Coast Guard, United States Department of Defense, Federal Aviation Administration, United States Environmental Protection Agency, and United States Fish and Wildlife Service.

As Project components are proposed to be located in the Commonwealth of Virginia and/or the State of North

Carolina, approvals from the applicable state and local regulatory agencies will also be required. At the state level, the Virginia Marine Resources Commission will issue a Submerged Lands Permit for the portions of the Project located in state waters under the Virginia Code and regulations. Virginia Marine Resources Commission and the Virginia Department of Environmental Quality will issue a joint permit called a Joint Tidal Wetland Permit and Virginia Water Protection Individual Permit pursuant to the Virginia Code and the Section 401 Water Quality Certification requirements of the federal Clean Water Act. Virginia Department of Environmental Quality also requires that the Project submit an air permit application under the Clean Air Act for marine vessels or other equipment used to construct and/or operate the Project. Additionally, the Virginia State Corporation Commission regulates the construction, operations, and maintenance of transmission lines and/or facilities above 138-kilovolt in Virginia, usually requiring the issuance of a Certificate of Public Convenience and Necessity in accordance with the Code of Virginia §§ 56-265.2. A coordinated environmental review facilitated by Virginia Department of Environmental Quality will be conducted to review the application with the State Corporation Commission.

The North Carolina Utilities Commission regulates the construction and operation of high-voltage transmission facilities in accordance with the NC General Statutes Chapter 62 Article 5A Siting of Transmission Lines. A certificate of environmental compatibility and public convenience and necessity must be issued for a project in advance of initiating construction. The certificate applies to public utilities or municipalities engaged in generating and transmitting electricity for private or public use for transmission lines over 161 kilovolts. Additionally, environmental resources in North Carolina are protected under the North Carolina Administrative Code Title 15A Environmental Quality. State agencies are required to lead and cooperate to manage the types of activities that require environmental documentation and compliance, including proposed construction on lands and waters owned or managed by any North Carolina Department of Environmental Quality agency. North Carolina Department of Environmental Quality jurisdiction extends through state waters requiring the Division of Coastal Management Coastal Area Management Act approval. Finally, North Carolina Department of Environmental Quality requires environmental review under the North Carolina Environmental Policy Act from 1971.

Since November 2017, the Company has undertaken a comprehensive engagement and outreach campaign. The purpose of this stakeholder engagement program has been to solicit feedback from Project stakeholders, including federal, state, and local regulatory and resource management agencies, elected officials, interest groups, and the public. The input from stakeholders will advance the permitting and development process and create positive awareness of the Project by highlighting local community, state-wide, and regional benefits.

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## **Project Assessment:**

The Project meets the criteria to be a “covered project” as defined under 42 United States Code (U.S.C) § 4370m(6)(A) as detailed below:

- The proposed Project requires authorization or environmental review by a Federal agency and involves the construction for renewable energy production and its associated electricity transmission. The Company filed its COP with BOEM (the lead Federal Agency) on April 14, 2022 at which point BOEM begins its sufficiency and completeness review prior to preparing an Environmental Impact Statement.
- The Project is subject to the National Environmental Policy Act (NEPA) and of a size and complexity that will require authorizations and coordination from multiple Federal Agencies including, but not limited to, National Oceanic and Atmospheric Administration, U.S. Army Corps of Engineers, and U.S. Fish and Wildlife Service.
- The projected Project capital expenditure is in excess of \$200,000,000.
- The Project does not qualify for abbreviated authorization or environmental review processes under any applicable law.

The Project respectfully highlights that 14 additional offshore wind projects of similar or smaller capacity are covered projects under the FAST Act.

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## **Form Submitter Contact Information:**

- **Name:** Amanda Mayhew  
**Title:** Kitty Hawk Permitting Manager  
**Work Phone:** 804-997-5043  
**Email:** [amanda.mayhew@avangrid.com](mailto:amanda.mayhew@avangrid.com)

**From:** [Slayton, Ian A](#)  
**To:** [Foley, Paige A](#)  
**Subject:** Fw: [EXTERNAL] RE: Information request for KHWS FIN  
**Date:** Thursday, April 28, 2022 4:48:20 PM  
**Attachments:** [image002.png](#)  
[image003.png](#)

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Ian Slayton  
Physical Scientist  
Office of Renewable Energy Programs  
Bureau of Ocean Energy Management  
(703) 787-1231

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**From:** MAYHEW, AMANDA <amanda.mayhew@avangrid.com>  
**Sent:** Thursday, April 28, 2022 2:03 PM  
**To:** Stokely, John M <John.Stokely@boem.gov>  
**Cc:** Slayton, Ian A <Ian.Slayton@boem.gov>; CROSS, MARCUS <marcus.cross@avangrid.com>  
**Subject:** [EXTERNAL] RE: Information request for KHWS FIN

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Hi John,

I had received the same question from FPISC. I did end up resubmitting the FIN so hopefully that won't make things more difficult.

This is the text for that box:

### Technical and Financial Ability

**Please provide a description regarding the technical and financial ability of the project sponsor to construct the proposed project**

The Project Sponsor is Kitty Hawk Wind, LLC, a wholly owned subsidiary of Avangrid Renewables, LLC. Avangrid Renewables, LLC is wholly owned by AVANGRID, Inc.

Avangrid Renewables, LLC is a leader in the renewable energy industry in the U.S. and is the nation's third-largest renewable energy operator. Avangrid Renewables, LLC is playing a leading role in the growing U.S. offshore wind industry, a reliable source of clean energy with significant job-creation potential in the U.S., with the mission to lead America's energy transformation to a competitive, clean energy future. The company is headquartered in Portland, Oregon and has regional offices in Boston, Philadelphia, Chicago, and Austin as well as a Project office in the City of Virginia Beach. Avangrid Renewables, LLC is a joint owner of the Vineyard Wind 1 Offshore Wind Project, an 800-megawatt offshore wind project (Lease OCS-A 0501) off the coasts of Martha's Vineyard and Nantucket, Massachusetts. The Vineyard Wind 1 project is a joint venture between Avangrid Renewables, LLC and

Copenhagen Infrastructure Partners. Additionally, Avangrid Renewables, LLC, as the sole owner, is developing the Park City Wind and Commonwealth Wind projects in the southern half of Lease OCS-A 0534. In addition to the Kitty Hawk South Offshore Wind Project, Kitty Hawk Wind, LLC is also developing the Kitty Hawk North Offshore Wind Project, which is located adjacent to the Kitty Hawk South Project in Lease OCS-A 0508.

The Company has a strong financial standing and a long history of undertaking, self-funding, or obtaining the necessary financing for large infrastructure projects in a responsible manner. Demonstration of financial strength as required by 30 CFR § 585.527 has been provided in the COP. In addition, and in accordance with 30 CFR § 585.516, the Company is required to provide BOEM a supplemental bond, a decommissioning bond, or other financial assurance to assure that Lessee obligations can be fulfilled prior to issuance of the COP approval.

## Summary of Financing, Reviews and Authorizations\*

**Please provide a description of any Federal financing, environmental reviews, and authorizations to be required to complete the proposed project.**

There is no federal financing required for the proposed Project.

Federal environmental reviews, permits, and authorizations will be required from a number of agencies, including BOEM, United States Army Corp of Engineers, National Ocean and Atmospheric Administration's National Marine Fisheries Service, Advisory Council on Historic Preservation, National Parks Service, United States Coast Guard, United States Department of Defense, Federal Aviation Administration, United States Environmental Protection Agency, and United States Fish and Wildlife Service.

As Project components are proposed to be located in the Commonwealth of Virginia and/or the State of North Carolina, approvals from the applicable state and local regulatory agencies will also be required. At the state level, the Virginia Marine Resources Commission will issue a Submerged Lands Permit for the portions of the Project located in state waters under the Virginia Code and regulations. Virginia Marine Resources Commission and the Virginia Department of Environmental Quality will issue a joint permit called a Joint Tidal Wetland Permit and Virginia Water Protection Individual Permit pursuant to the Virginia Code and the Section 401 Water Quality Certification requirements of the federal Clean Water Act. Virginia Department of Environmental Quality also requires that the Project submit an air permit application under the Clean Air Act for marine vessels or other equipment used to construct and/or operate the Project. Additionally, the Virginia State Corporation Commission regulates the construction, operations, and maintenance of transmission lines and/or facilities above 138-kilovolt in Virginia, usually requiring the issuance of a Certificate of Public Convenience and Necessity in accordance with the Code of Virginia §§ 56-265.2. A coordinated environmental review facilitated by Virginia Department of Environmental Quality will be conducted to review the application with the State Corporation Commission.

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**Amanda Mayhew**  
Permitting Manager, Kitty Hawk Offshore Wind

Email: amanda.mayhew@avangrid.com  
Mobile: 804.997.5043



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please print only if necessary and recycle.

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**From:** Stokely, John M <John.Stokely@boem.gov>  
**Sent:** Thursday, April 28, 2022 2:01 PM  
**To:** MAYHEW, AMANDA <amanda.mayhew@avangrid.com>  
**Cc:** Slayton, Ian A <Ian.Slayton@boem.gov>; CROSS, MARCUS <marcus.cross@avangrid.com>  
**Subject:** EXTERNAL:Information request for KHWS FIN

Hi Amanda,

We need a piece of information for BOEM's submission of the subject project's FAST-41 Initiation Notice (FIN). Please submit a "**Statement regarding the technical and financial ability of the project sponsor to construct the proposed project**" and a "**Statement of any Federal financing.**" It is not necessary to resubmit any form(s). The statement(s) can be in email form sent to me and Ian.

Let us know if you have any questions.

Thanks,

John

John M. Stokely  
Project Coordinator  
Office of Renewable Energy Programs  
Bureau of Ocean Energy Management

U.S. Department of the Interior  
45600 Woodland Road  
Sterling, Virginia 20166  
(571) 585-1933  
[John.Stokely@boem.gov](mailto:John.Stokely@boem.gov)

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