



Kitty Hawk

OFFSHORE

A stylized orange wind turbine icon with three blades, positioned to the right of the word "Kitty Hawk". Below the turbine and the word "OFFSHORE" are two wavy lines, one blue and one green, representing waves or a horizon.

Presented to
Virginia Beach MEDAC

Monday, August 30, 2021

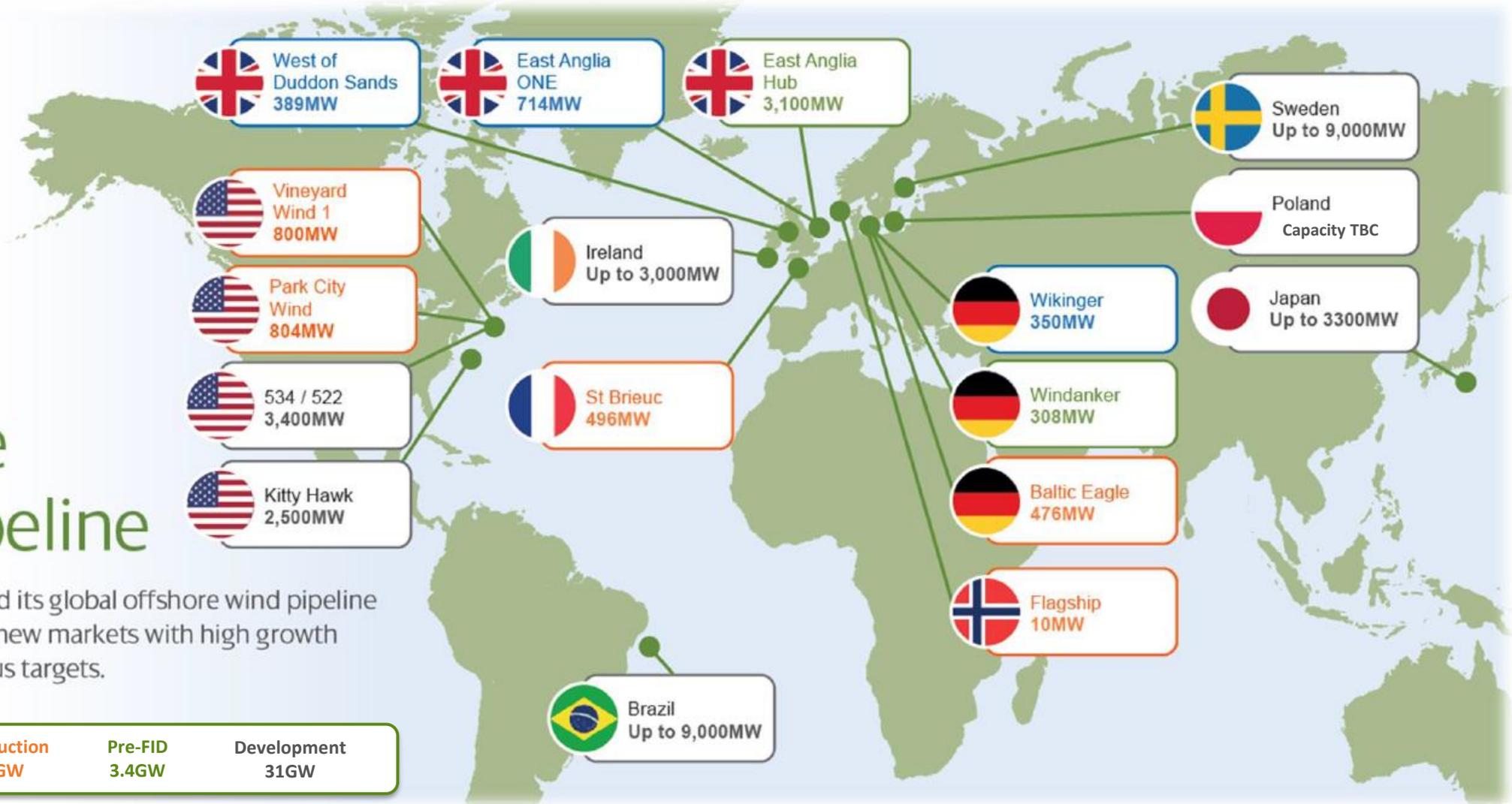
Avangrid Renewables Offshore Wind: Part of IBERDROLA Group's Global Offshore Wind Portfolio



Offshore Wind Pipeline

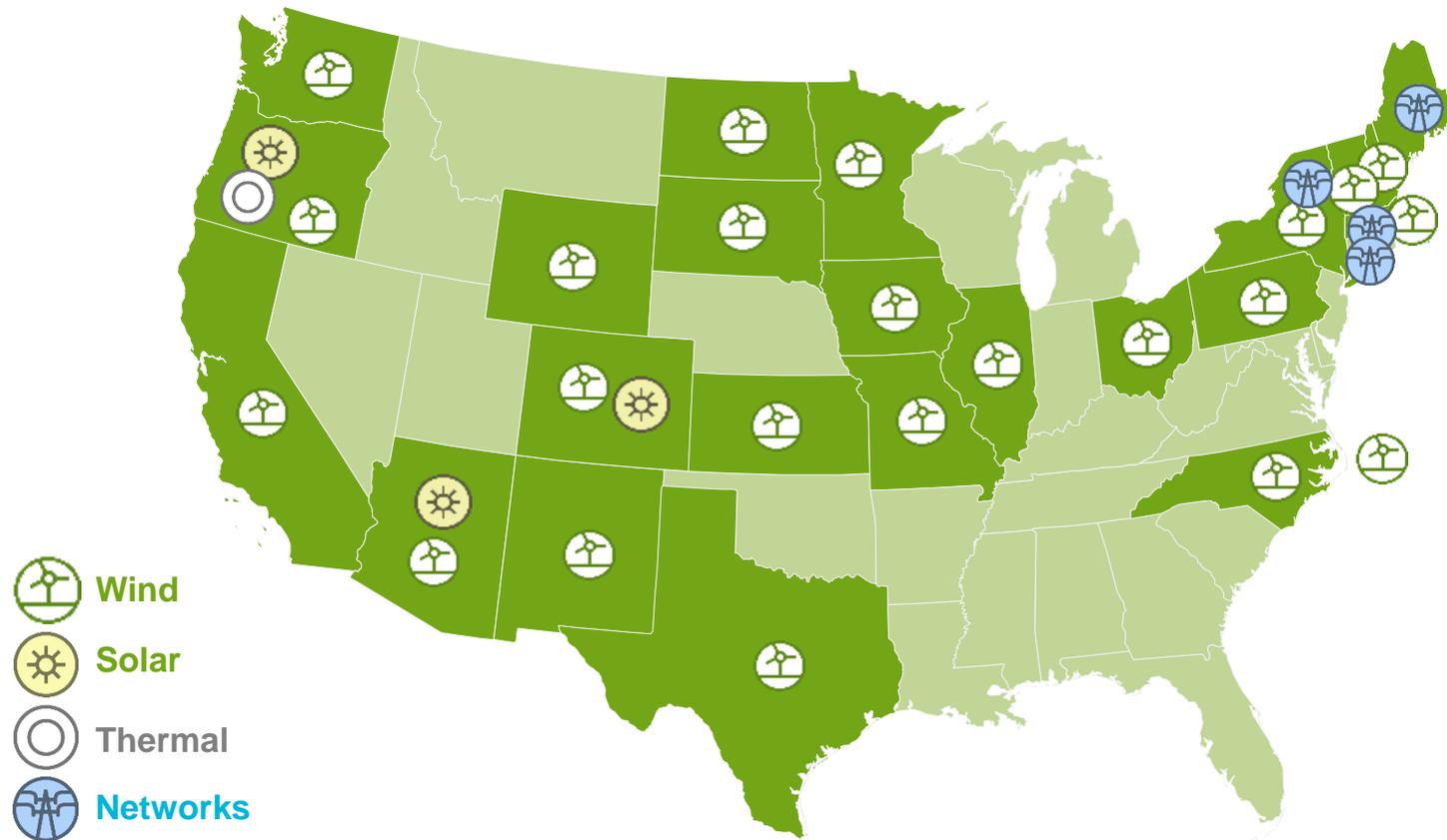
Iberdrola has expanded its global offshore wind pipeline significantly, entering new markets with high growth potential and ambitious targets.

| Operational | Construction | Pre-FID | Development |
|-------------|--------------|---------|-------------|
| 1.4GW | 2.6GW | 3.4GW | 31GW |



AVANGRID: \$39 Billion in Assets with a Presence in 24 States

- Third largest wind operator in the US
- Approx. 8 GW wind and solar in operation
- Total offshore wind lease capacity approx. 6.9GW



Kitty Hawk Offshore Wind Lease Area



36 miles to Sandbridge, Va.

27 miles to Corolla, N.C.

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Leasing

2017

Lease awarded and executed

Kitty Hawk given exclusive rights to develop lease area for offshore wind development



Site Assessment

2018

2019

2020

2021

Site Assessment Plan approved

Construction and Operations Plan submitted for first project

BOEM anticipated to start their Environmental Review under NEPA

Initiate state approval process



Construction and Operation

2022

2023

2024

2025

2026

All necessary permits, authorizations and approvals received for construction and operation

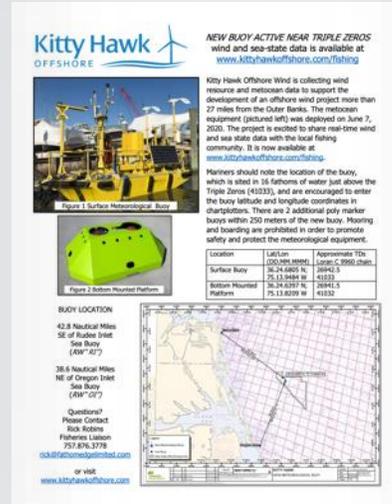
Construction anticipated to start mid-2020s with first power mid-late 2020s

Operation period is anticipated to be 25+ years



April 2020

Site Assessment Plan Approved



June 2020

Meteorological Buoy Deployed



November 2020

Geophysical and Benthic Surveys Completed



December 2020

Economic Impact Study Released



December 2020

Construction and
Operations Plan
Submitted



April 2021

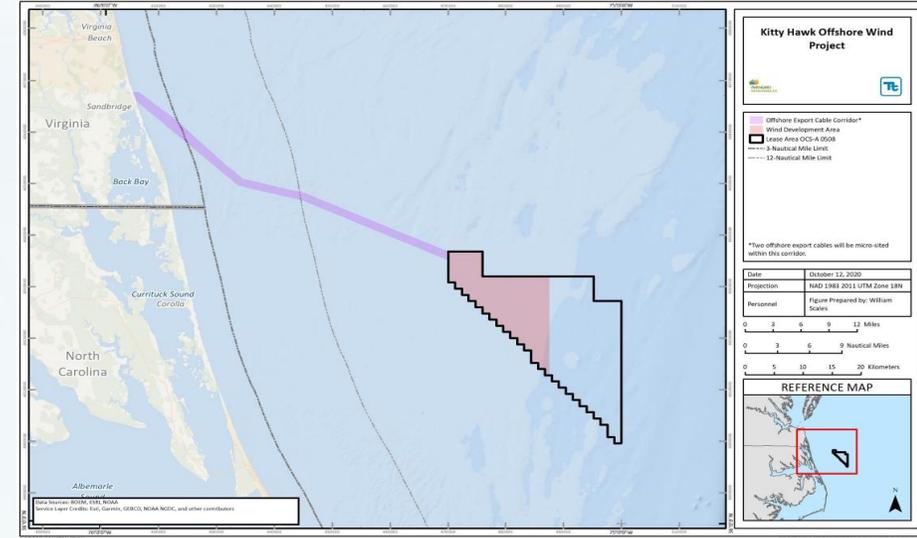
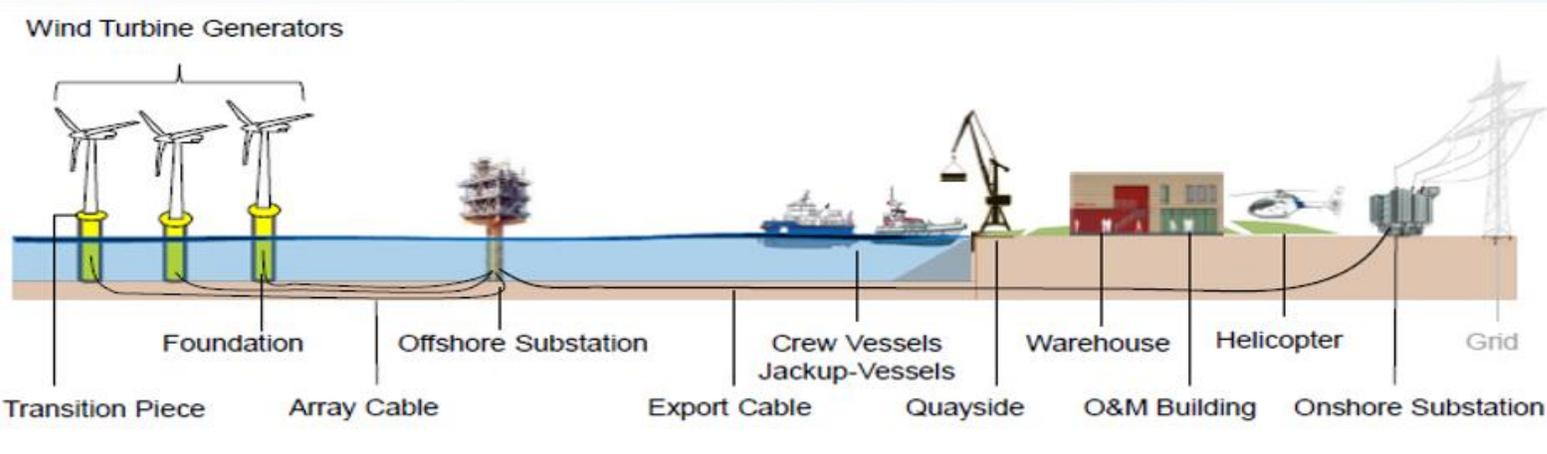
FAST41 Dashboard



Internal Use

July 2021

Notice of Intent
Issued by BOEM

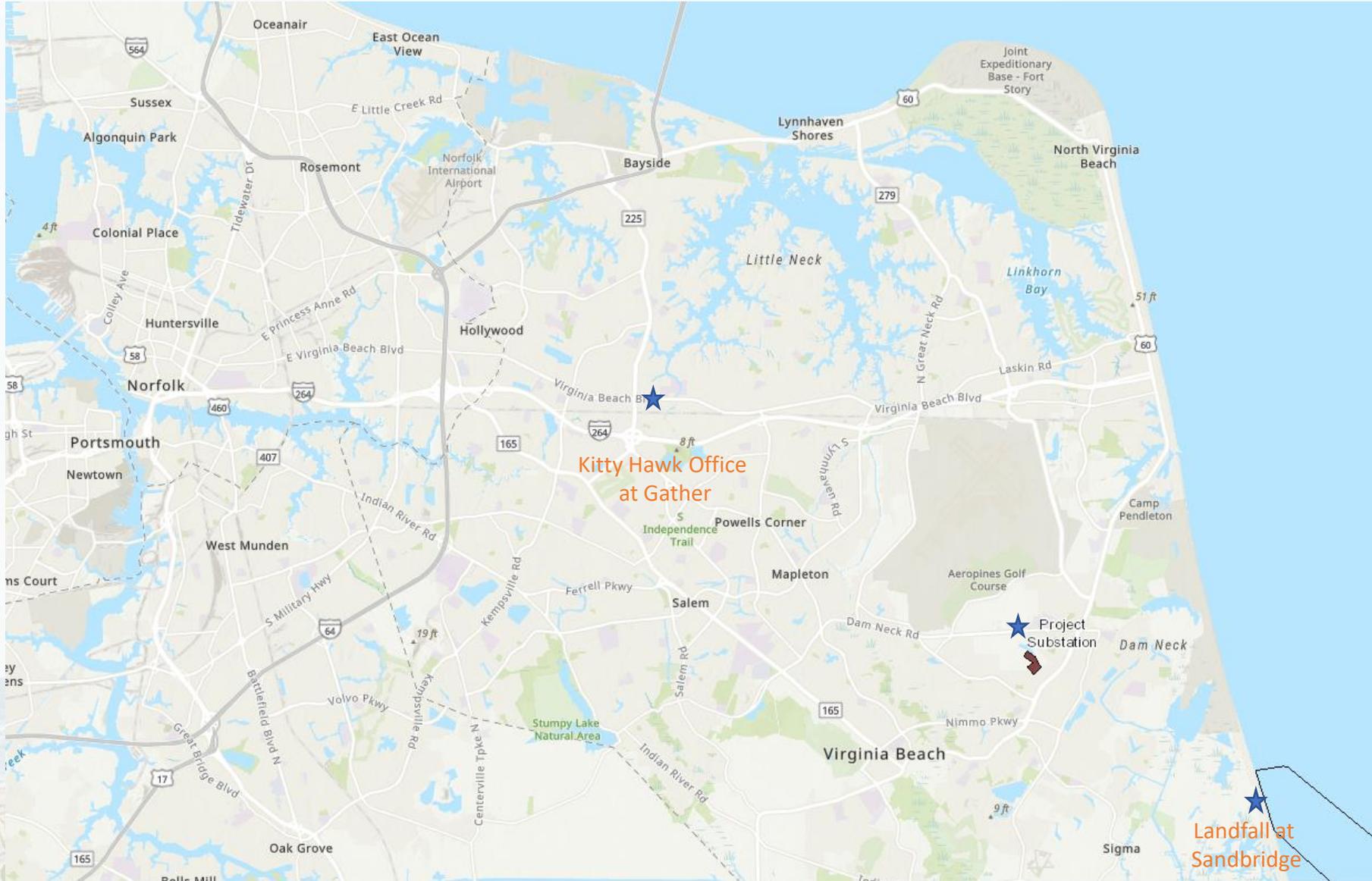


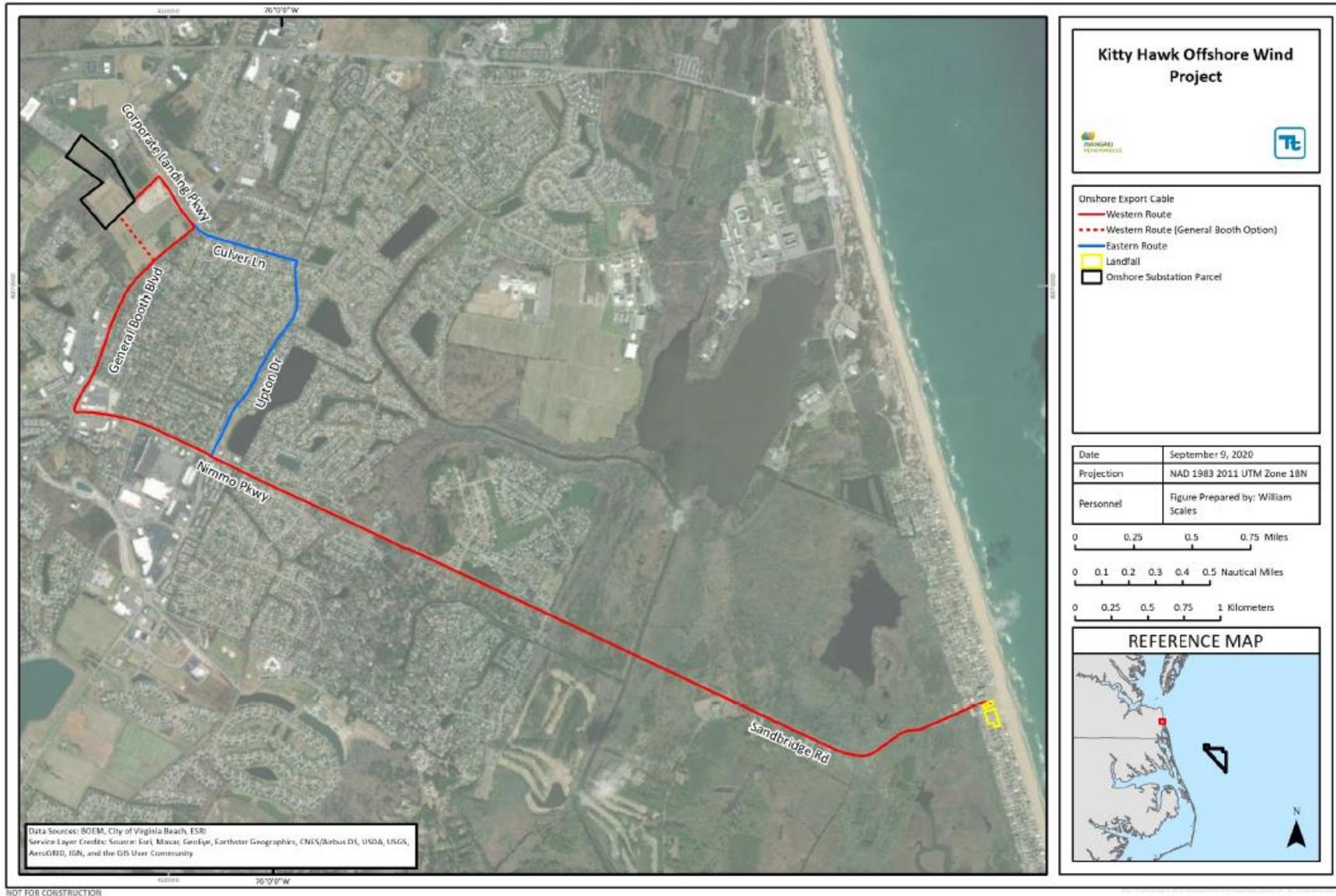
| | | | |
|-------------------|---|--------------------------|---|
| Location: | Due east of Corolla, NC and southeast of Virginia Beach, VA | Wind Energy Area: | 100% site control under lease agreement with BOEM (signed in 2017). |
| Lease Area | Total area: 122,405 acres | Site Control: | Landfall: Easement discussion with City Route: Non-exclusive Franchise Agreement Substation: 30-acre option agreement with VBDA |
| Capacity: | ~800 MW (Total area potential ~2,500MW) | Permitting: | In process: site assessment studies, marine geophysical and geotechnical surveys, and preliminary engineering incorporated into Construction and Operations Plan (submitted to Bureau of Ocean Energy Management in December 2020). |
| COD: | 2026 | Inter-connection: | Birdneck-Landstown 230 kV In queue with PJM – in Facility Study phase |

Kitty Hawk Office:
249 Central Park Ave
Virginia Beach VA, 23462

Corporate Landing
(Geico address)
1345 Perimeter Parkway
Virginia Beach VA 23454

Landfall at Sandbridge
151 Sandbridge Rd
Virginia Beach VA, 23456





30-acre option with VEDA in Corporate Landing Business Park



Internal Use

\$2 Billion

impact in Virginia and North Carolina's
future over the next decade.



**\$1.5 Billion in Construction
Activities and Sales**



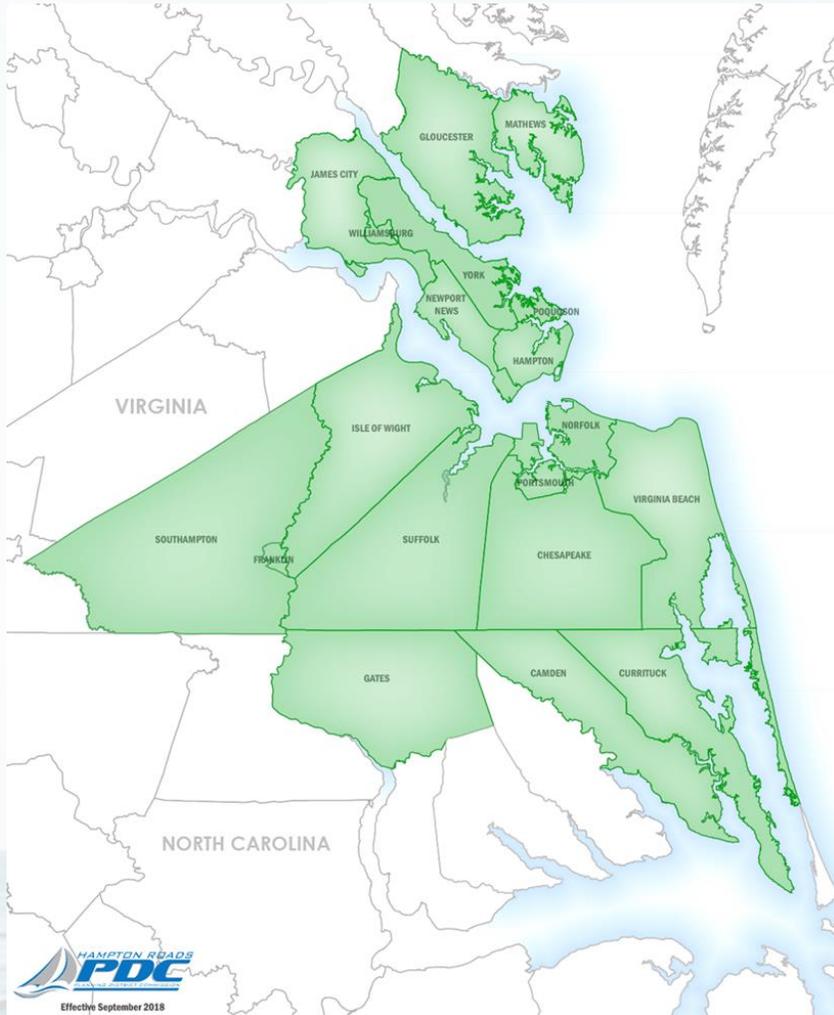
~800 Jobs



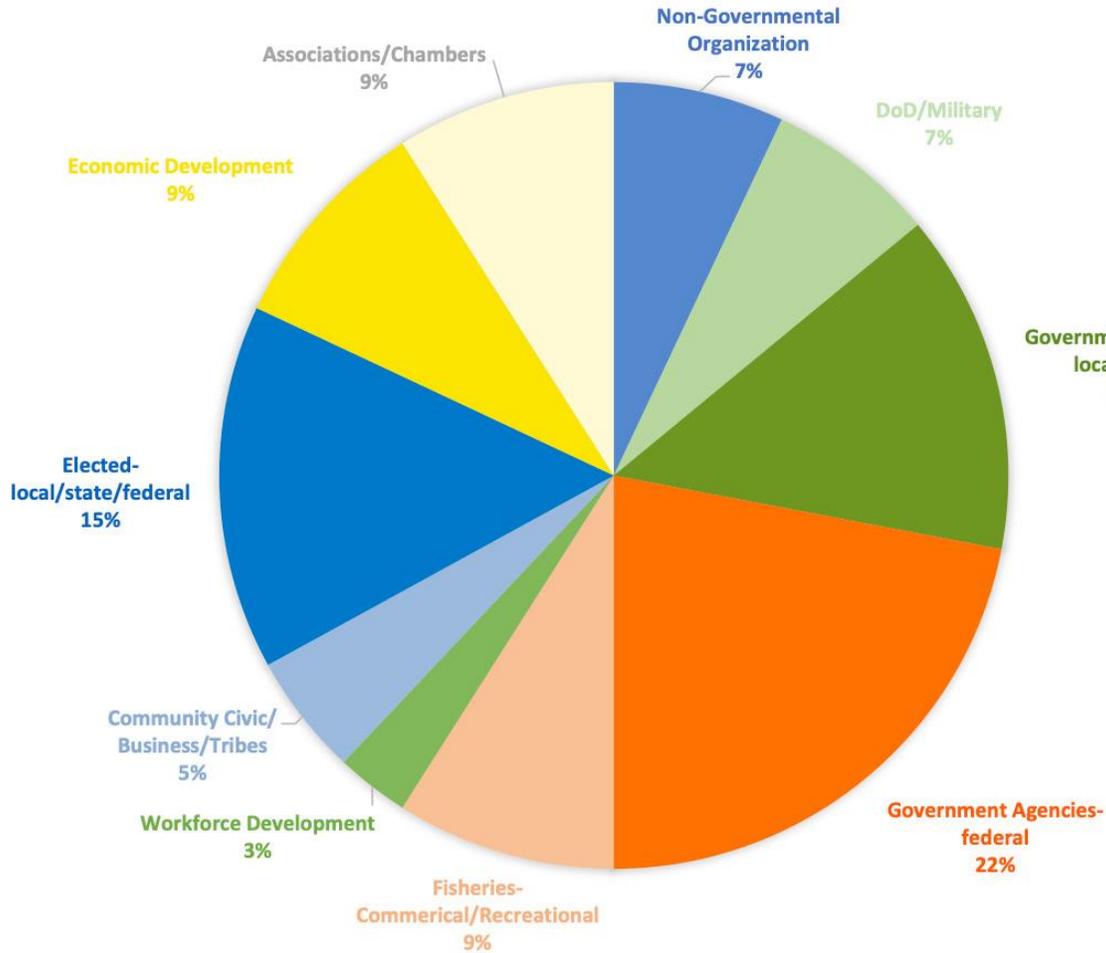
**\$390 Million in Net Household
Earnings**



\$100 Million in Tax Revenue



STAKEHOLDER ENGAGEMENT



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A QUICK NOTE REGARDING UPCOMING SURVEY WORK

An offshore wind project located more than 27 miles off the coasts of NC and VA will protect our environment, help meet our clean energy goals and invest in our community.

METEOROLOGICAL BUOY DEPLOYED TO SITE

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ENGAGEMENT WITH COMMERCIAL FISHERIES

Kitty Hawk Offshore Fisheries Liaison Officer, **Rick Robins**, shared his thoughts during the AWEA Offshore Wind Power Virtual Summit

VIRGINIA FIELD OFFICE NOW OPEN

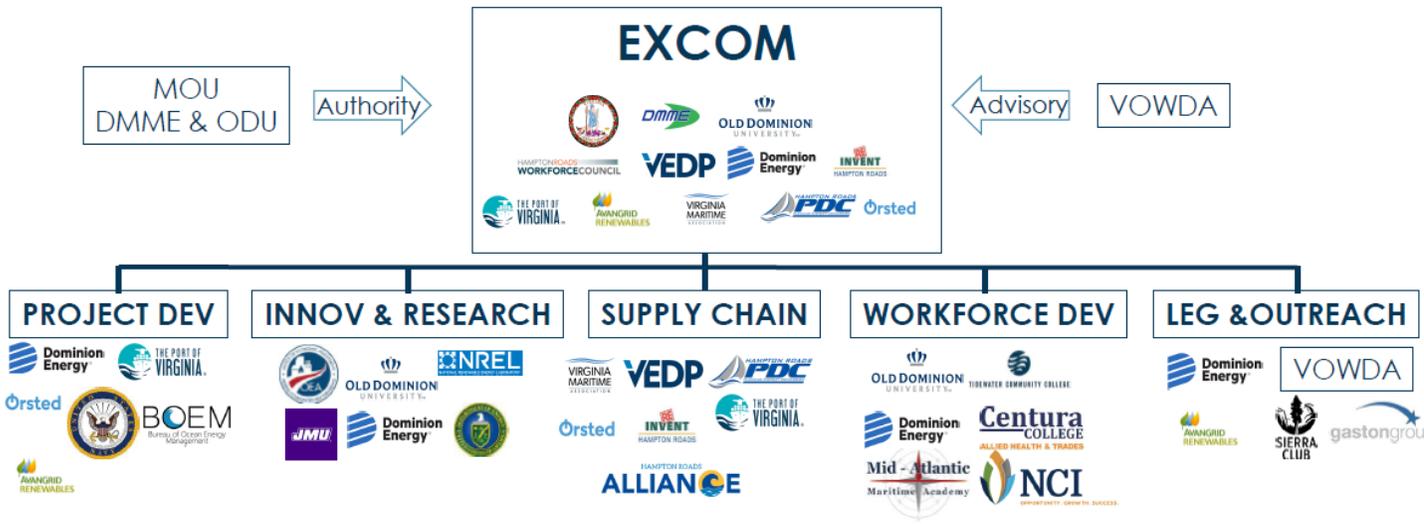
Ashley K. McLeod
Kitty Hawk Offshore Wind
Stakeholder Engagement Director

Kitty Hawk
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“[W]e are building a new industry that will bring thousands of clean energy jobs to our Commonwealth and grow our economy—all while protecting our environment. This is a significant step forward for workers, for business, and for our planet.”

- Virginia Governor Ralph Northam

Commonwealth Offshore Wind Task Force



Internal Use



VMA Helps Shape North Carolina Offshore Wind Map

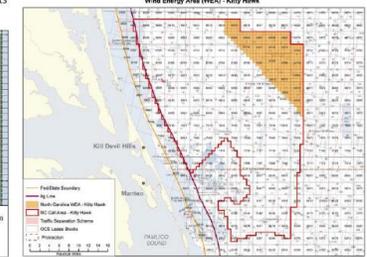
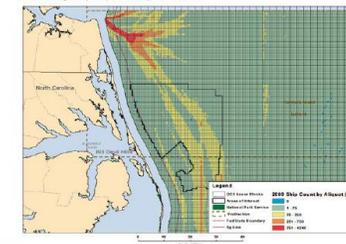
On August 11, North Carolina Interior Secretary Sally Jewell with ship and tug & barge traffic navigating to/from the ports made the announcement that the Bureau of Ocean Energy Management (BOEM) regularly informed BOEM and other policy

The Virginia Maritime Association supports and has provided input toward the development of offshore wind projects compatible with the current and future needs of the commercial navigation and the ports of Virginia.

The Virginia Maritime Association (VMA) supports and has provided input toward the development of offshore wind projects compatible with the current and future needs of commercial navigation and the ports of Virginia. VMA was very involved in identifying an acceptable WEA off the coast of Virginia.

However, since 2011, VMA has raised concerns about the Kitty Hawk WEA originally proposed by BOEM because of conflicts

Below: Final BOEM Kitty Hawk WEA (Marked in Orange)





Virginia's Advantages



Unmatched Port Infrastructure

Virginia's ports have congestion-free channels, no overhead obstructions, deep water, short travel time to open sea, and the ability to handle any type of cargo.



Large & Skilled Maritime Workforce

Nearly a million skilled workers call Hampton Roads home. With thousands of active duty military stationed in the region, over 15,000 personnel exit the service locally.



Terminal Facilities & Waterfront Sites

A variety of industrial sites can be found in Virginia, including some ranked among the most highly-suited in the country for turbine, blade, and foundation construction.



America's Largest Shipbuilding Industry

Hampton Roads houses the largest percentage of the US maritime workforce, the largest shipbuilding and ship repair market, and unmatched resources for construction and maintenance of vessels and marine infrastructure.



Pro-Business Climate

Year-over-year, Virginia has been ranked among the top states for business, as hailed by both Forbes and CNBC.



Strategic Location

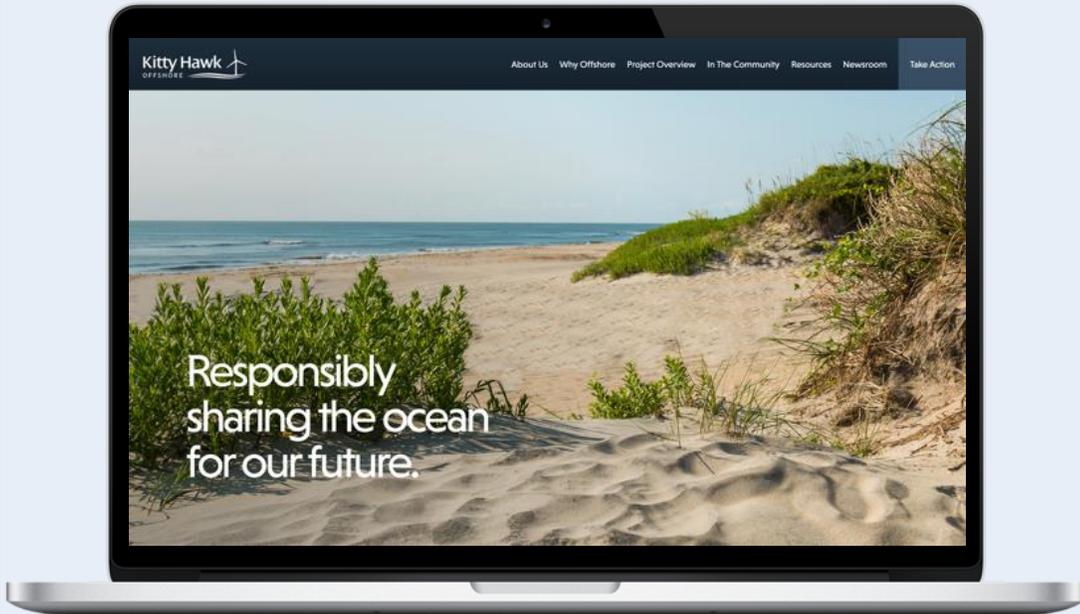
The Hampton Roads region is connected by one of the nation's most modern highway systems, two international airports, and one of the deepest sea ports on the east coast.

Mid-Atlantic Training Alliance





KITTYHAWKOFFSHORE.COM



- **Project Updates**
- **Fact Sheets**
- **Videos**
- **Resources**

Community Information

Fishing Community

kittyhawkoffshore.com/fishing

- Close coordination with commercial and recreational fishing communities
- Meteorological buoy (access to real-time data)

Military Community

kittyhawkoffshore.com/military

Workforce Development

Mid-Atlantic Wind Training Alliance

Economic Development

kittyhawkoffshore.com/vendors

- Market engagement initiative to qualify vendors for future procurements



Facebook

Kitty Hawk Offshore Wind



Twitter

@kittyhawkwind



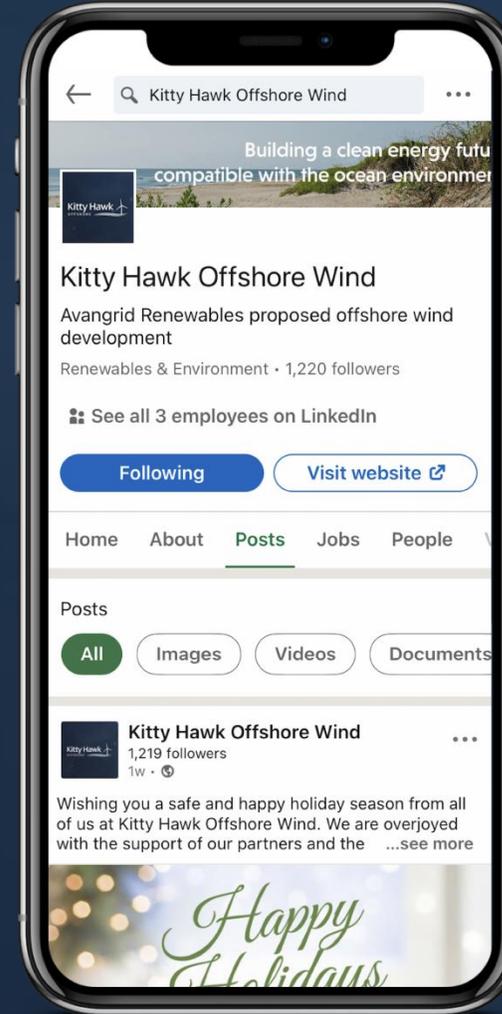
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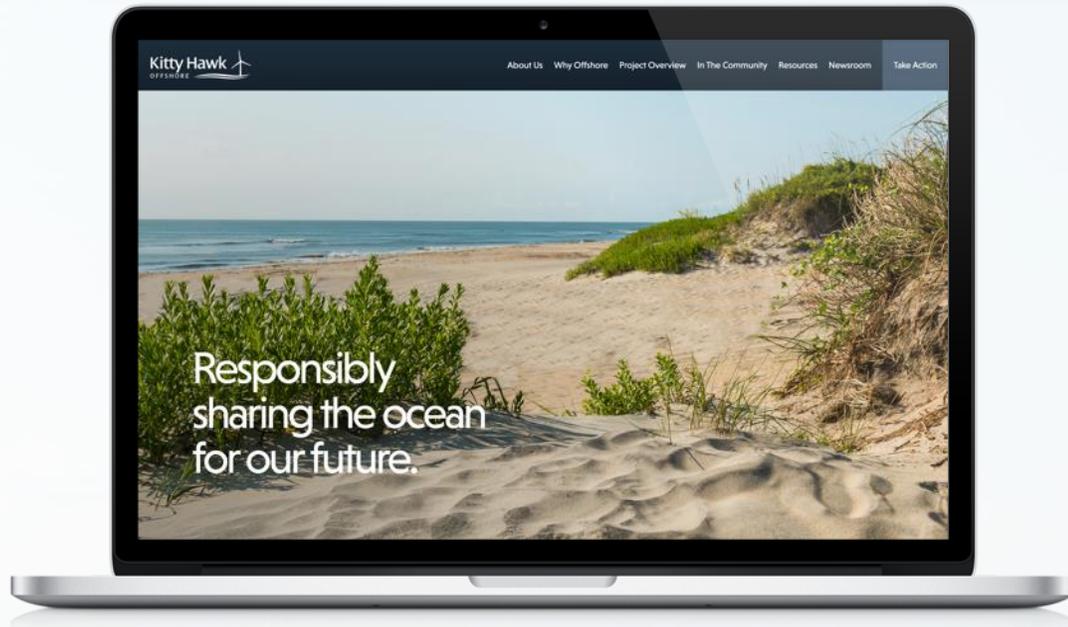
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