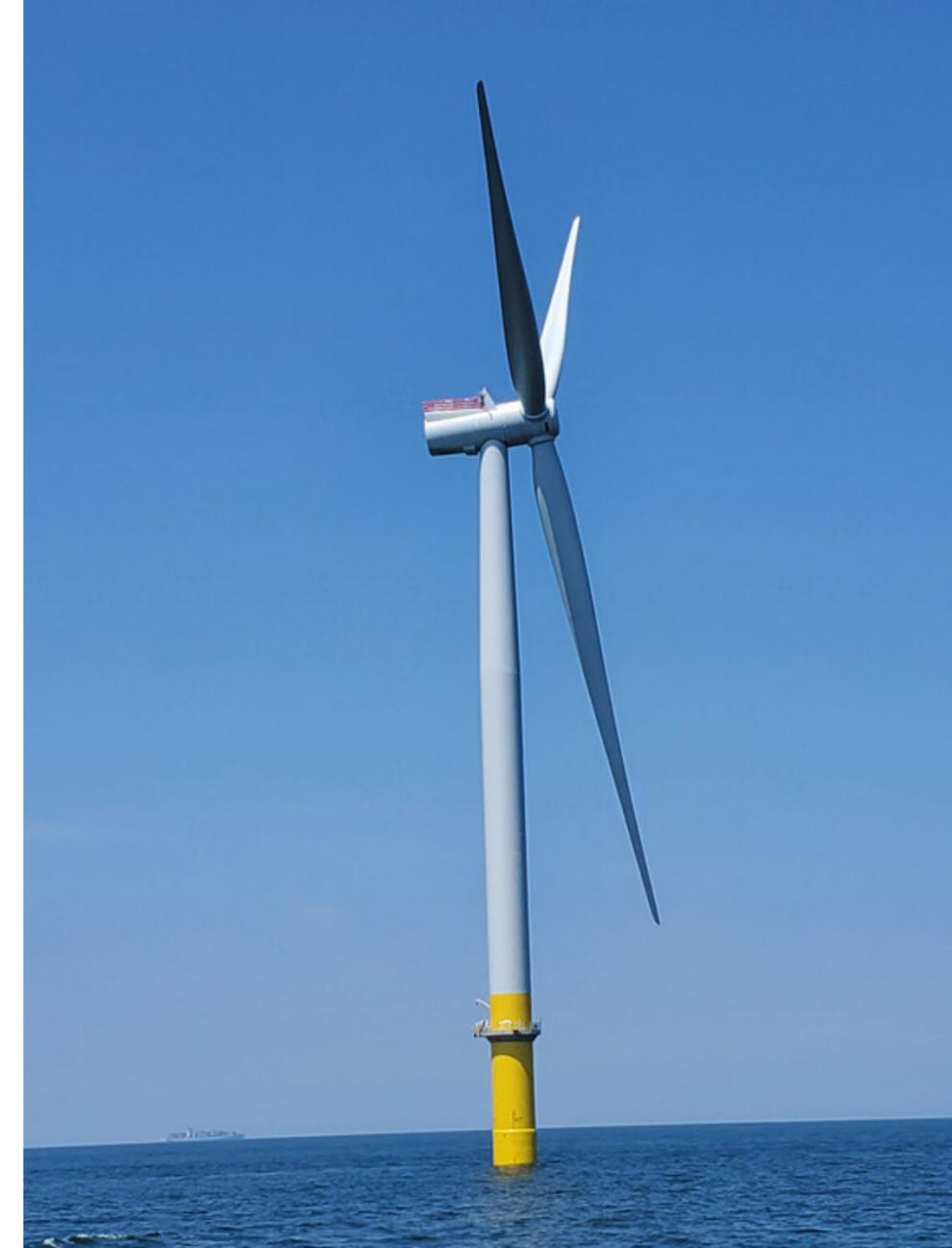


Virginia's
OFFSHORE WIND OPPORTUNITY



July 16, 2020

Matt Smith - HRPDC Senior Regional Planner



Resolution

The HRPDC adopted a resolution supporting offshore wind development in November 2018

VIRGINIA'S OFFSHORE WIND OPPORTUNITY



Hampton Roads Planning District Commission Resolution 2018-02

Resolution of the Hampton Roads Planning District Commission supporting offshore wind development off the coast of Virginia

Whereas, recent reports by the Virginia Department of Mines, Minerals and Energy have identified the potential for significant economic development opportunities for the Commonwealth of Virginia and the Hampton Roads region from the emerging offshore wind industry; and

Whereas, the U. S. East Coast opportunity for offshore wind extends from South Carolina to New England and has a twenty-year buildout potential of 20,000 megawatts of installed capacity (2,000 – 3,000 wind turbines) with the potential to generate over 14,000 jobs in the construction, maintenance, manufacturing, and other service related industries; and

Whereas, Dominion Energy contracted in 2017 with a global wind leader, Ørsted Energy of Denmark, to build Coastal Virginia Offshore (CVOW), a two turbine, 12 MW demonstration project located 23.5 nautical miles offshore from the Virginia Beach coastline. The CVOW project is targeted for completion in 2020 and will lay the groundwork for potential large-scale commercial development up to 2,000 MW; and

Whereas, studies of the market opportunities for attracting the offshore wind industry to the U. S. East Coast have identified several unique competitive advantages for Virginia and the Hampton Roads region, including:

- Pro-Business Climate
- America's Largest Shipbuilding Industry
- Unmatched Port Infrastructure
- Congestion-Free Harbor Navigation
- Progressive State Energy Policy
- Zero Air Draft for Ocean-Going Vessels
- High-Quality Workforce
- Abundant Waterfront Land and Infrastructure
- Strategic Geographic Location.





UNDERSTANDING THE OPPORTUNITY

The East Coast offshore wind industry has been valued at \$50 to \$100 billion.

ACTION 1

Support use of port facilities and incentives to advance the offshore wind industry.

ACTION 2

Support state renewable energy requirement to pair policy commitment with Virginia's other assets.

ACTION 3

Support the creation and funding of a "Virginia Office of Offshore Wind"



HRPDC OFFSHORE WIND ACTIVITIES

- INFORM LOCAL STAFF AND ELECTED OFFICIALS
- DEVELOP AND DISTRIBUTE ADVOCACY MATERIALS
- WORK WITH KEY PARTNERS TO UNDERSTAND AND COMMUNICATE OPPORTUNITY
- BRIEF STATE LEGISLATORS AND CABINET MEMBERS
- PROVIDE SUBJECT MATTER EXPERTISE TO REGIONAL PARTNERS
- EDUCATE THE PUBLIC IN PARTNERSHIP WITH VA SIERRA CLUB, DOMINION ENERGY, PORT OF VA, AND OTHERS



HARNESS AN EMERGING GLOBAL INDUSTRY TO FUEL ECONOMIC GROWTH

BUILD THE FIRST AND LARGEST OFFSHORE WIND INDUSTRY CLUSTER IN THE U.S.

LEVERAGE OUR ASSETS TO MAXIMIZE BENEFIT TO THE COMMONWEALTH



Key Events

VIRGINIA'S OFFSHORE WIND OPPORTUNITIY

FALL 2019

Governor Northam sets 100% renewable energy goal

FALL 2019

Dominion Energy announces plans to build nation's largest offshore wind project

SPRING 2020

General Assembly passes Virginia Clean Economy Act

SUMMER 2020

Installation of CVOW Pilot Project





DEVELOP AND PROMOTE
VIRGINIA'S ASSETS



LEVERAGE NATION'S
LARGEST OFFSHORE
WIND PROJECT



BUILD EAST COAST
OFFSHORE WIND HUB

WHAT'S NEXT

VIRGINIA'S OFFSHORE WIND OPPORTUNITY



Structure for Success

1. Virginia Office of Offshore Wind
2. Commonwealth Offshore Wind Taskforce
3. Regional economic development capacity

The Commonwealth Offshore Wind Task Force



Goals

BUILD SUPPLY CHAIN BY ATTRACTING ANCHOR COMPANIES

SUPPORT VIRGINIA'S COMMITMENT TO 100% RENEWABLE ELECTRICITY PRODUCTION

CREATE HIGH-WAGE JOBS FOR VIRGINIA RESIDENTS



Job Roles

Project Planning

Legal
Regulatory
Engineers (various)
Tax and Finance
Logistics
Geotechnical
Environmental
Technicians
Meteorologists
Marketing

Manufacturing

Draughtsmen
Manufacturing managers
Production supervisors
CNC machinists
Training managers
Inspectors
Welders
Platers
Quality Control
Various technicians

Construction

Ship crew
Truck drivers
Crane operators
Security personnel
Pilots
Technicians
Engineers (various)
Environmental
Port services
Construction managers



COMPETITION

Offshore wind is a once-in-a-generation opportunity ... The New Jersey Wind Port will create thousands of high-quality jobs, bring millions of investment dollars to our state, and establish New Jersey as the national capital of offshore wind.

- NEW JERSEY GOVERNOR PHIL MURPHY



Contact Information

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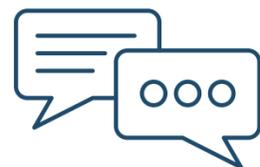
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