

A large white offshore wind turbine dominates the left side of the frame, with its three blades extending across the sky and sea. The nacelle and hub are visible, featuring red safety railings. In the background, another smaller wind turbine is visible on the horizon. The sea is a deep blue with gentle ripples, and the sky is a clear, pale blue with a few wispy clouds.

Dominion Energy's Coastal Virginia Offshore Wind Project Overview

February 9, 2023

Crystal B. Bright, External Affairs Manager - Dominion Energy

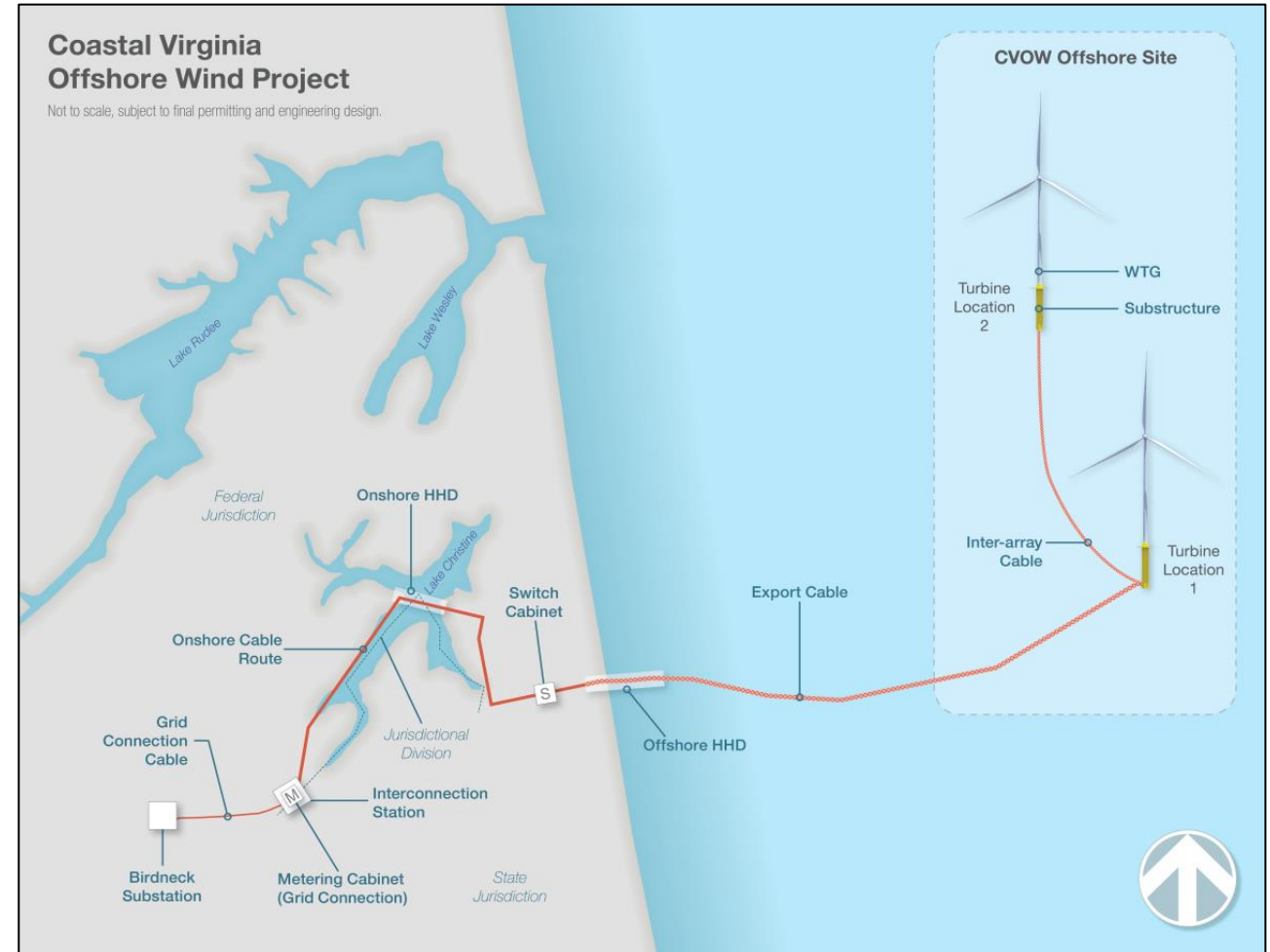
First Project In Federal Waters

Project Description

- Two 6MW SGRE Wind Turbines
- 27 miles off the coast of Virginia Beach
- Power up to 3,000 homes
- Capital Cost: \$300 million
- Completed June 2020

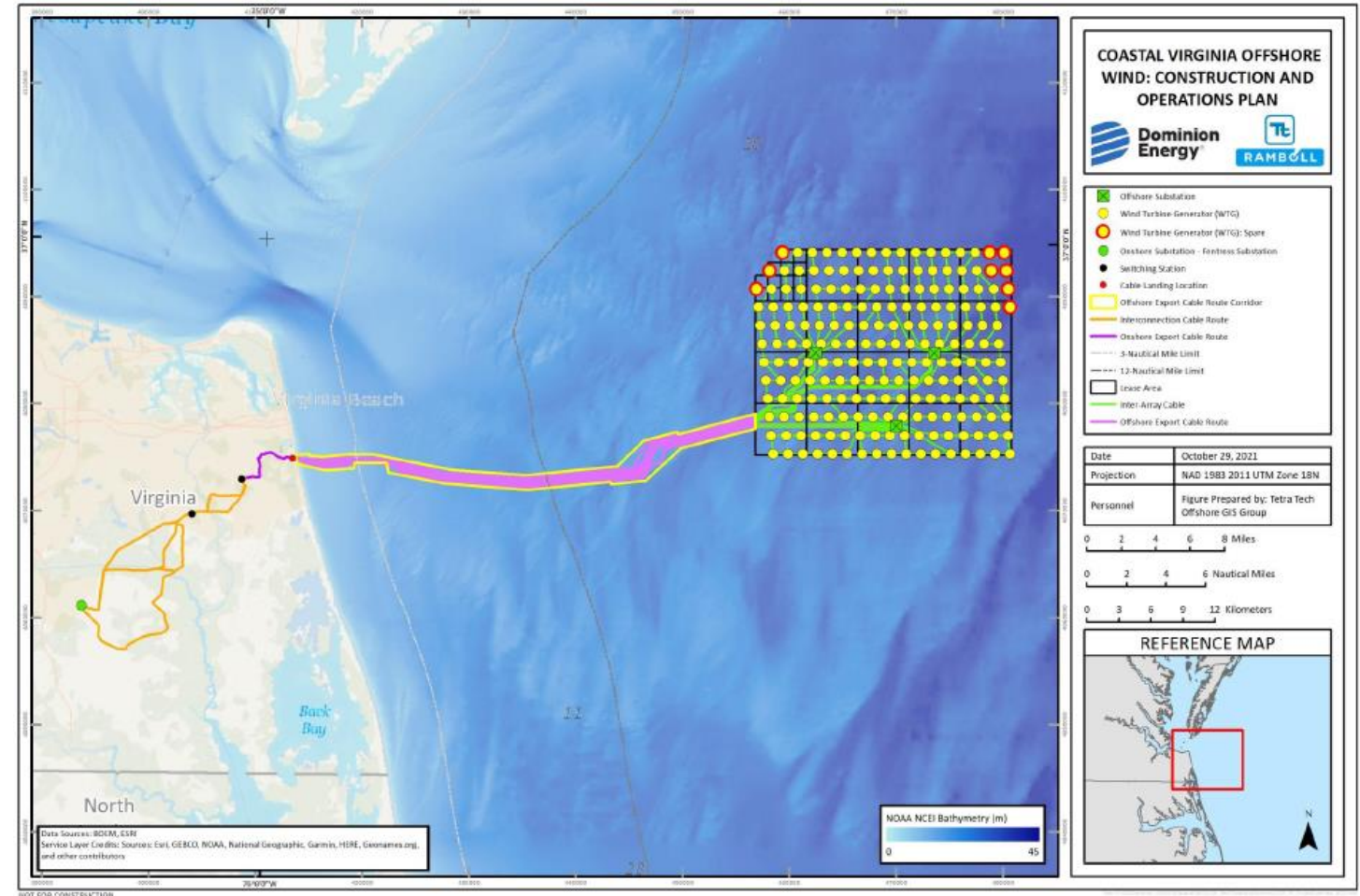
Pilot Project Benefits

- First Offshore Wind Turbines to be installed in US Federal Waters
- Permit, design, installation & operations experience
- Refine BOEM approval process
- Maritime Environment
- Inform larger commercial wind project



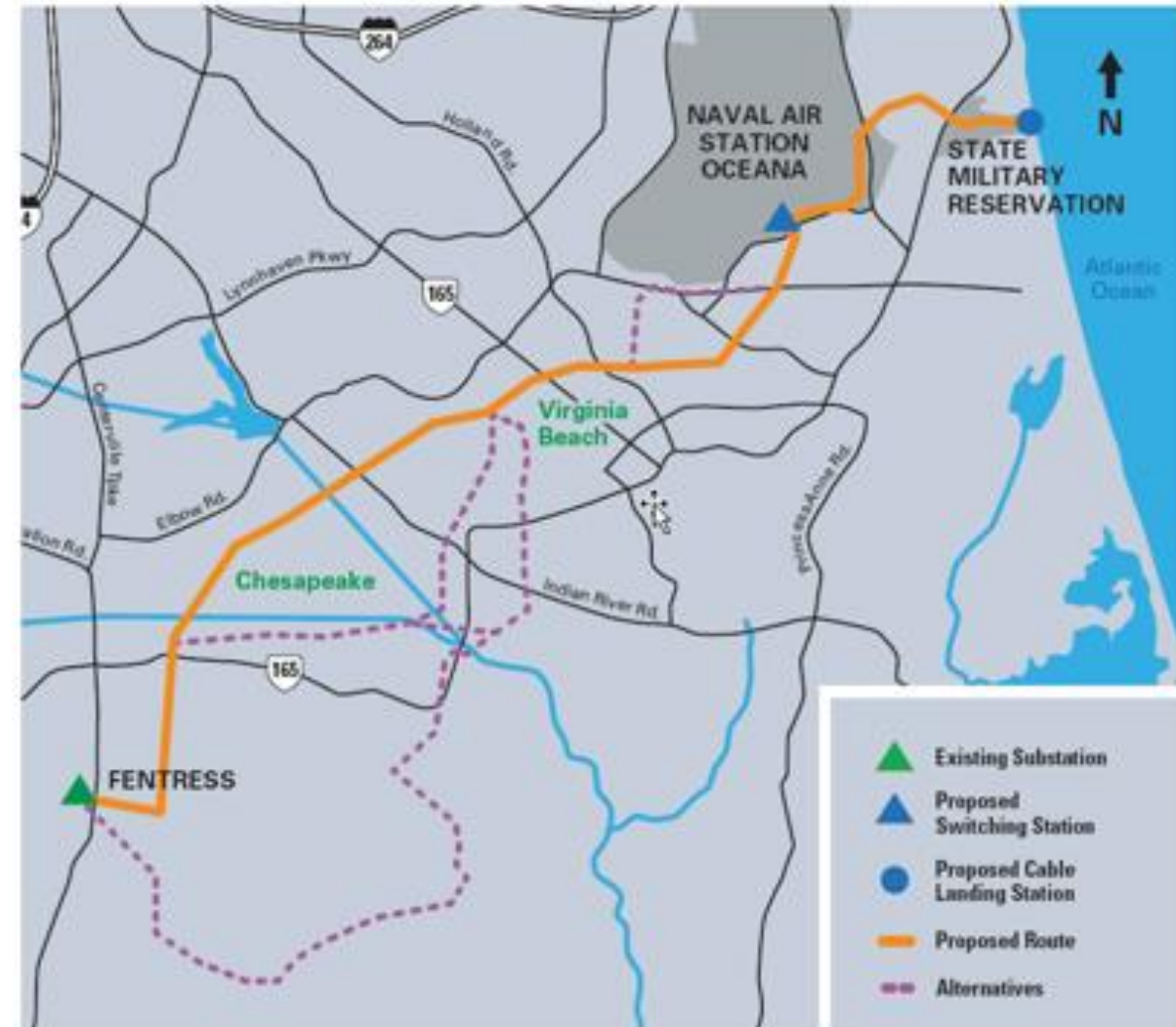
Largest East Coast Project Under Development

- Builds on success of the two-test turbine pilot project
- Largest offshore wind project under development in the United States
- Located just east of the pilot project
- 176 turbines
- 2.6 GW total capacity
- Power up to 660,000 homes
- Scheduled for 2026 completion



Delivering Power to The Grid

1. SMR Underground Route
 - Cable Landing Location to Harpers Switching Station
 - Transition from 9 to 27 cables
 - 4.1 miles underground route
2. New Harpers Switching Station
 - 230kV GIS
 - 9 Shunt Reactors
 - 3 StatComs
3. Overhead Transmission Routes to Fentress
 - 3 Transmission Lines
 - 14-18 miles
4. Fentress Substation Expansion
 - 500kV GIS
 - Three (3) new 500kV TX's plus spares



Constructing CVOW With Experienced Partners

Wind Turbine Generators

Monopiles

Transition Pieces

Offshore Substations

Transport & install

SIEMENS Gamesa
RENEWABLE ENERGY



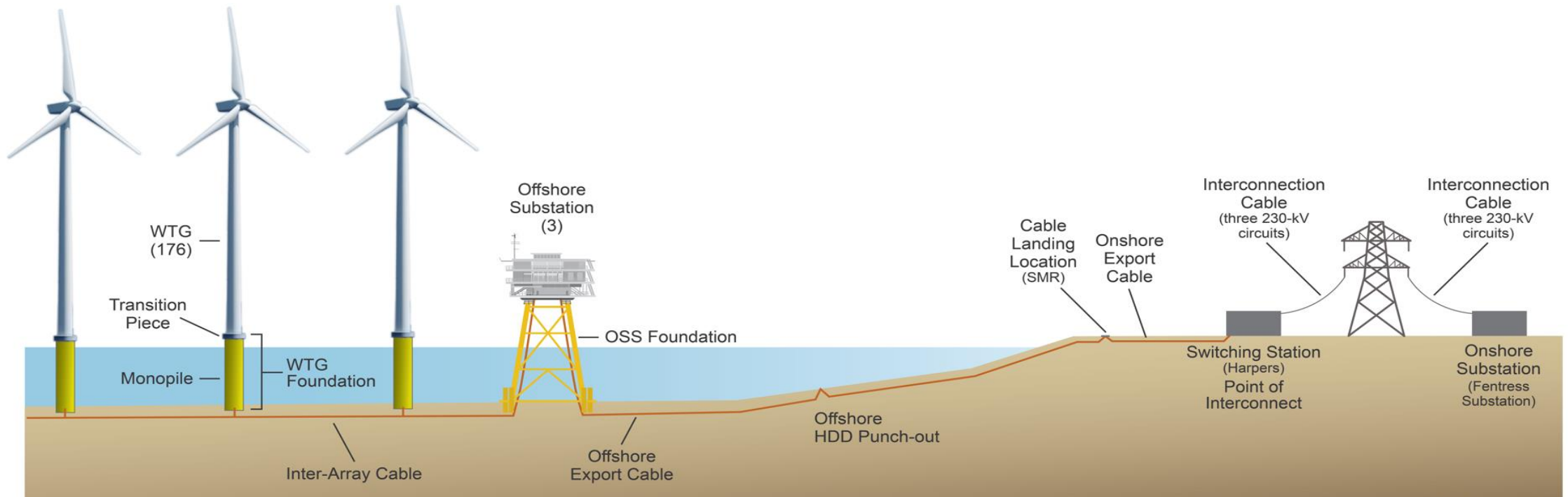
BLADT
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SEMCO
maritime

DEME
OFFSHORE

Prysmian
Group



Many Accomplishments, More Objectives Ahead



Milestones	Target		
Construction & Operation Plan submitted	✓	Dec. 2020	Met target
Notice of Intent issued by BOEM	✓	July 2021	Met target
CPCN/Rider filing with VA SCC	✓	Fall 2021	Met target
Final order from VA SCC	✓	Q3 2022	Met target
Record of Decision published by BOEM		June 2023	
Commence onshore construction		Q3 2023	
Jones-Act compliant installation vessel COD		Late 2023	
Commence offshore construction		Q2 2024	
Construction completion		Late 2026	
Project Life (baseline)		30 years	

Monopile Foundations



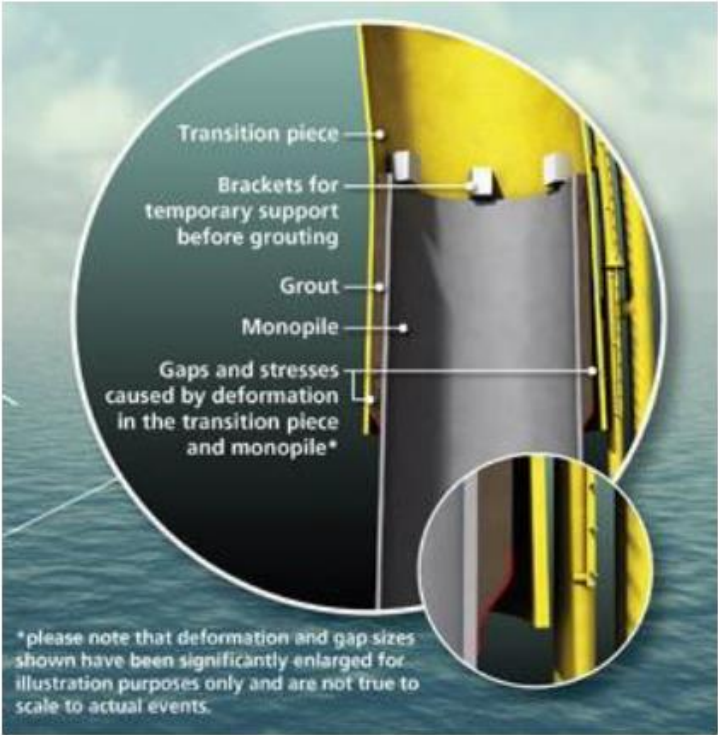
- Length ~270',
- Diameter ~25',
- Weight ~1900 tons

EEW SPC, Monopile load-out for Taiwanese Formosa 1 project in Rostock (GER)

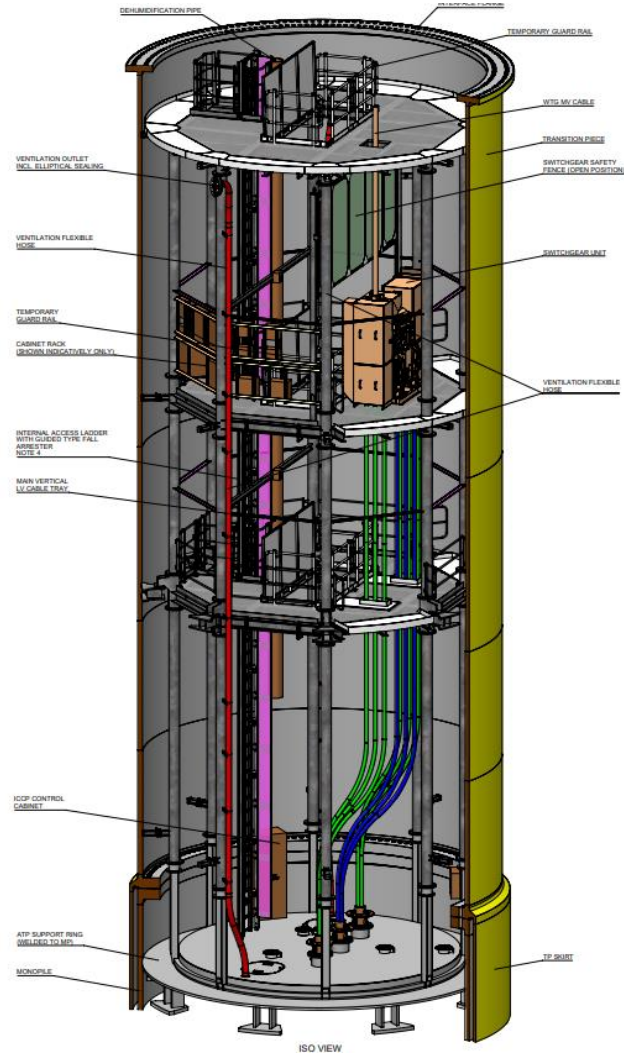
Foundation and Transition Piece Installation



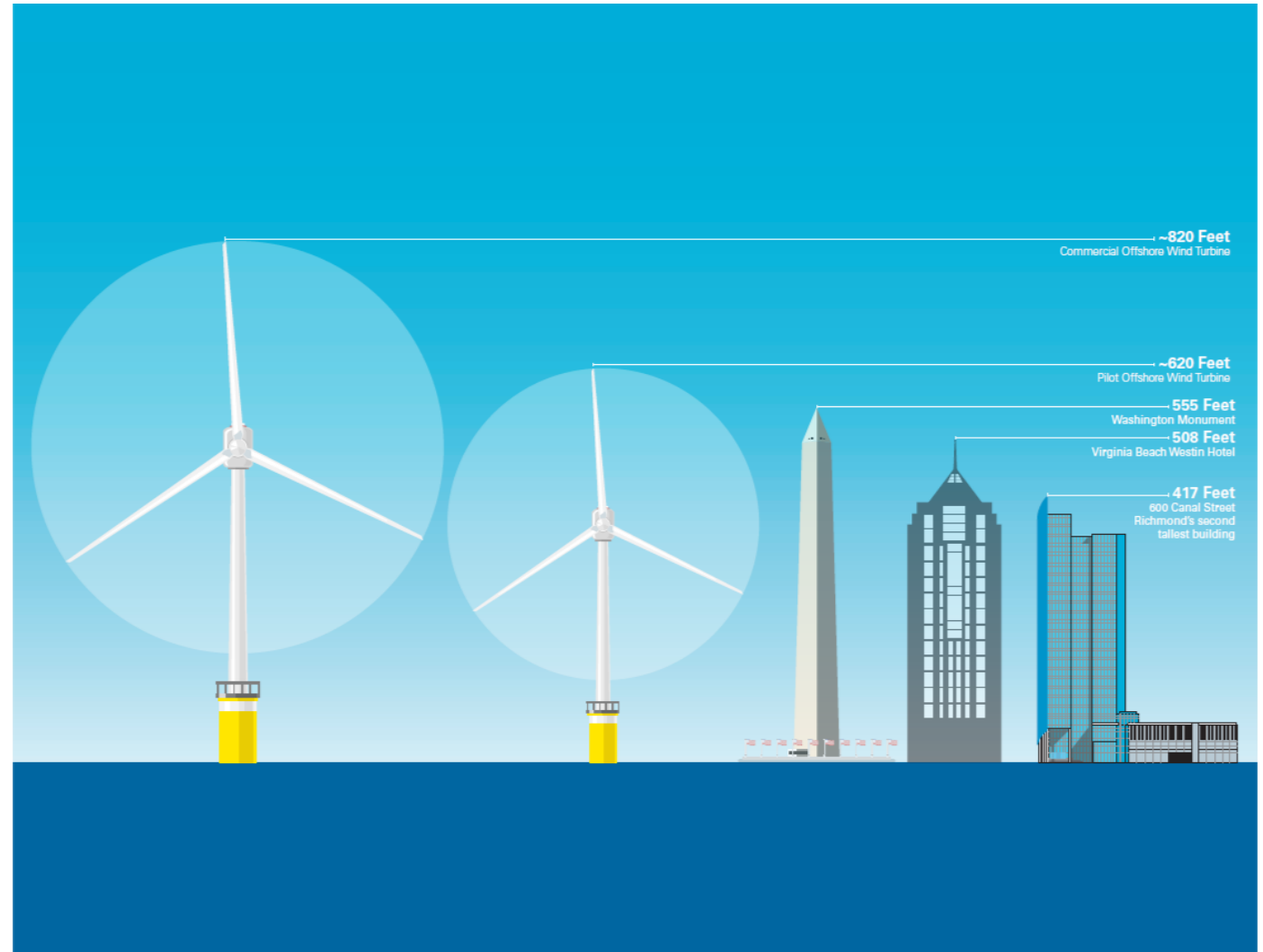
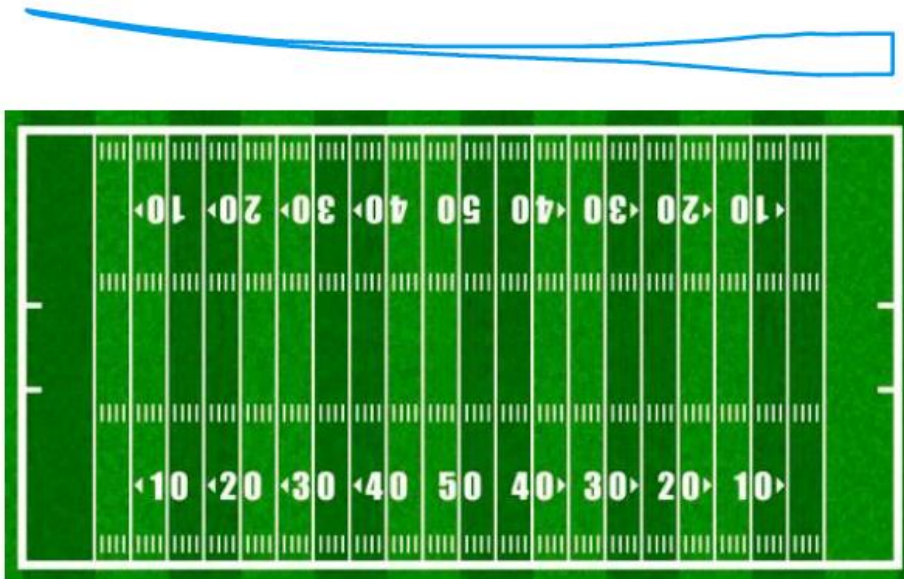
TP lift at Sandbank OWF (GER)



Schematic vision of a grouted connection



WTG: Putting Into Perspective



Lamberts Point - CVOW Operations Center



**Endeavor, Dominion Energy's
Crew Transfer Vessel**

- 2 Crew Transfer Vessel
- Operating Crew (total): 8
- Ongoing maritime support



**"Walk to Work" concept for
Service Operations Vessels**

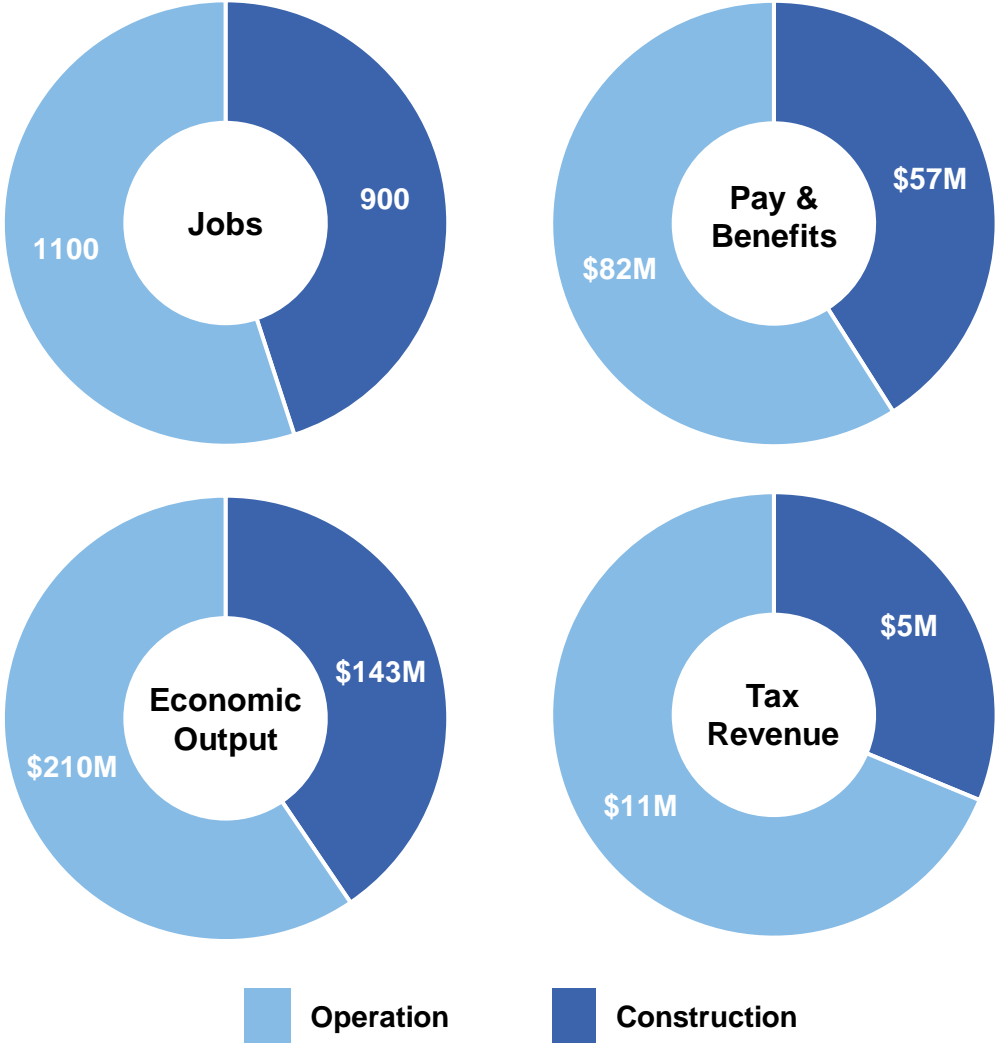
- 1 Service Operations Vessel
- Operating Crew: 25
- Ongoing maritime support



***"Charybdis" First Jones Act
compliant offshore wind turbine
installation vessel***

- 1 Wind Turbine Installation Vessel
- Operating Crew: 70
- Ongoing maritime support

- Approximately **900 jobs** and **\$143 million in economic impact** annually during construction
- Approximately **1,100 jobs** and almost **\$210 million in economic impact** annually during operation
- Maximizing opportunities for Virginia vendors, subcontractors, and suppliers
- Priority hiring of veterans, local workers, and individuals from historically economically disenfranchised communities
- Actively engaging diverse Virginia businesses, schools and community organizations through outreach programs



Questions, Discussion and Shared Insights

Contact Us:

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