



Virginia Offshore Wind Projects

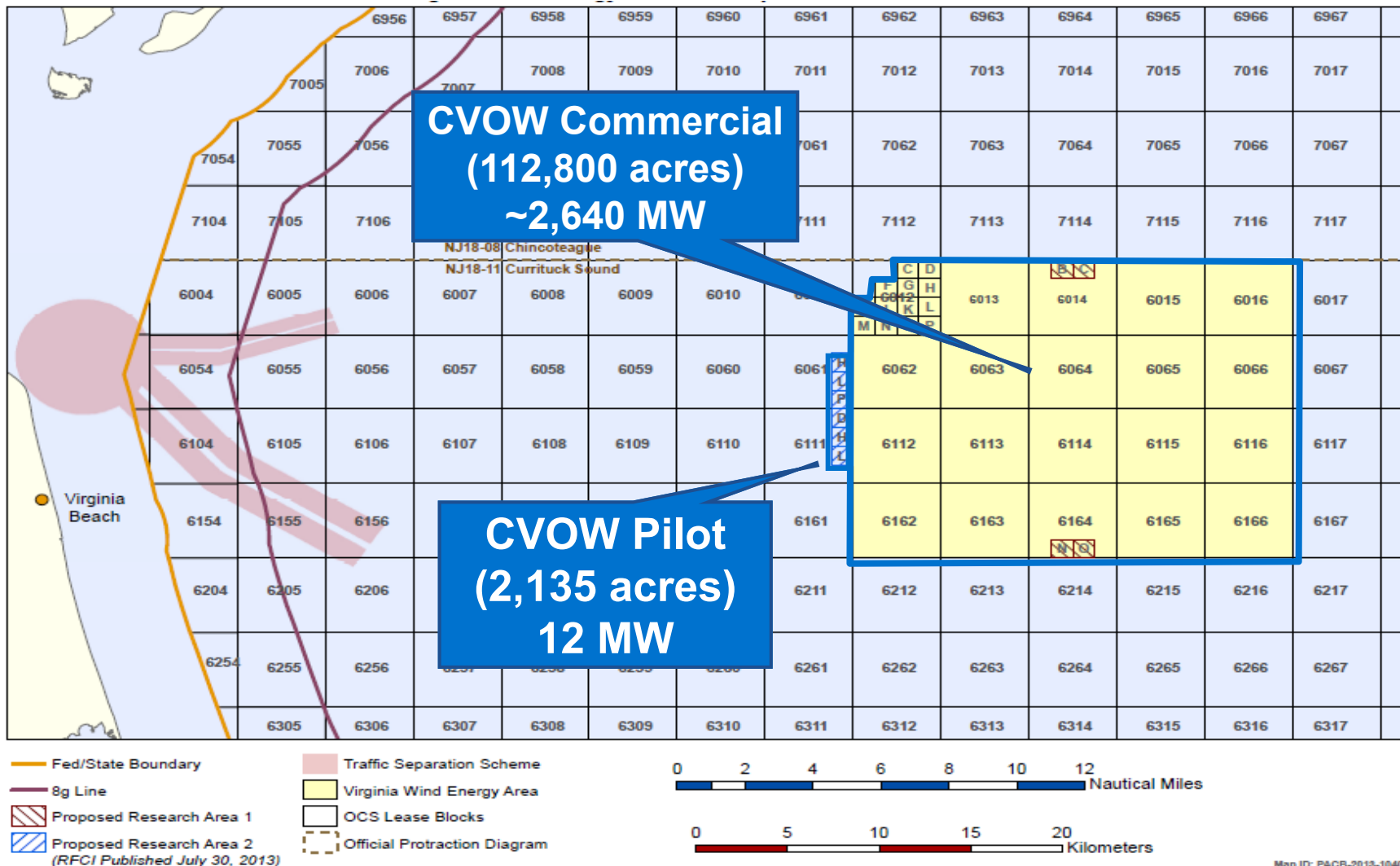
Hampton Roads Planning District Commission Update

July 16th, 2020



Coastal Virginia Offshore Wind (CVOW) Projects

Overview



Coastal Virginia Offshore Wind (CVOW) Pilot

Installing first turbines in federal waters

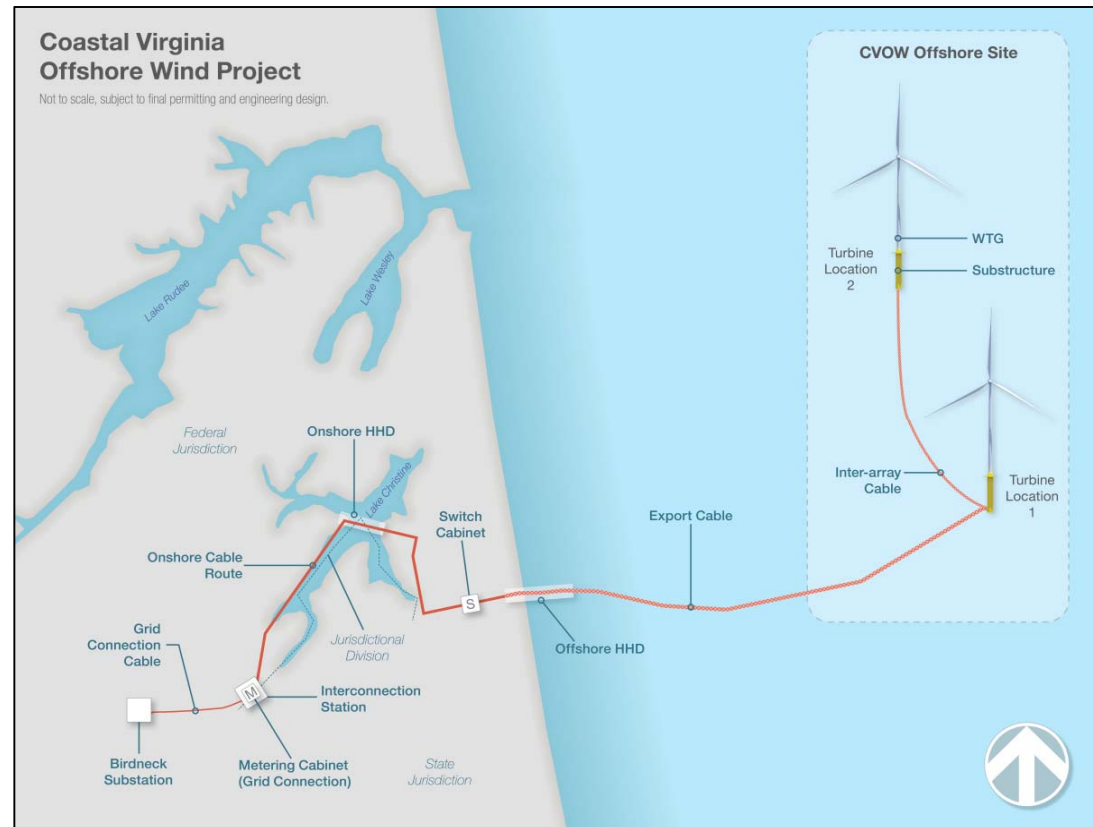


Pilot Project Details

- DMME as leaseholder
- Dominion as operator
- Two 6-MW Wind Turbines
- Located 27 miles off Virginia Beach
- Capital Cost: \$300 million
- Major Participants
 - o Ørsted = Offshore Installation
 - o L.E. Meyers = Onshore Installation

Pilot Project Benefits

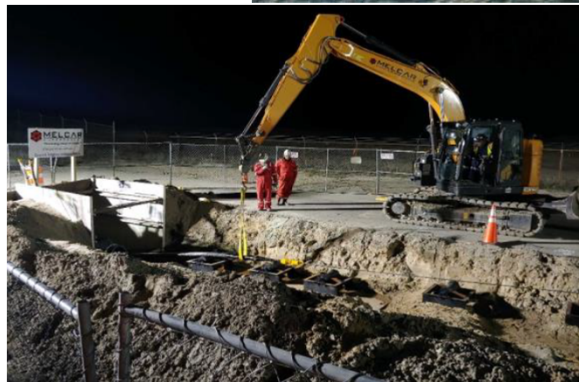
- First Offshore Wind Turbines to be installed in US Federal Waters
- Permit, design, installation & operations experience
- Refine BOEM approval process
- Inform larger commercial wind project



Onshore Construction commenced June 2019

Offshore construction started in May 2020

Coastal Virginia Offshore Wind (CVOW) Pilot *Cable Installation*



Cable pulled to shore
and surface laid on ocean floor in May

Coastal Virginia Offshore Wind (CVOW) Pilot

First steel in the water – May 25th, 2020



First monopile installed May 25th

Coastal Virginia Offshore Wind (CVOW) Pilot

First steel in the water – May 25th, 2020



Double bubble curtain during first monopile installation

Coastal Virginia Offshore Wind (CVOW) Pilot

Second monopile – May 30th, 2020



Second monopile installed May 30th

Coastal Virginia Offshore Wind (CVOW) Pilot

First Wind Turbine in Federal Waters – June 20th, 2020



Tower installation

Coastal Virginia Offshore Wind (CVOW) Pilot

First Wind Turbine in Federal Waters – June 20th, 2020



Nacelle installation

Coastal Virginia Offshore Wind (CVOW) Pilot

First Wind Turbine in Federal Waters – June 20th, 2020



Blade installation

Coastal Virginia Offshore Wind (CVOW) Pilot

First Wind Turbine in Federal Waters – June 20th, 2020



First wind turbine mechanically complete – June 20th

Coastal Virginia Offshore Wind (CVOW) Pilot

First Wind Turbine in Federal Waters – June 20th, 2020



Second wind turbine mechanically complete – June 26th

Coastal Virginia Offshore Wind (CVOW) Pilot

Offshore wind legislation signing & turbine visit



Governor Northam, VA Legislators & VIP event – June 29th

Coastal Virginia Offshore Wind (CVOW) Pilot

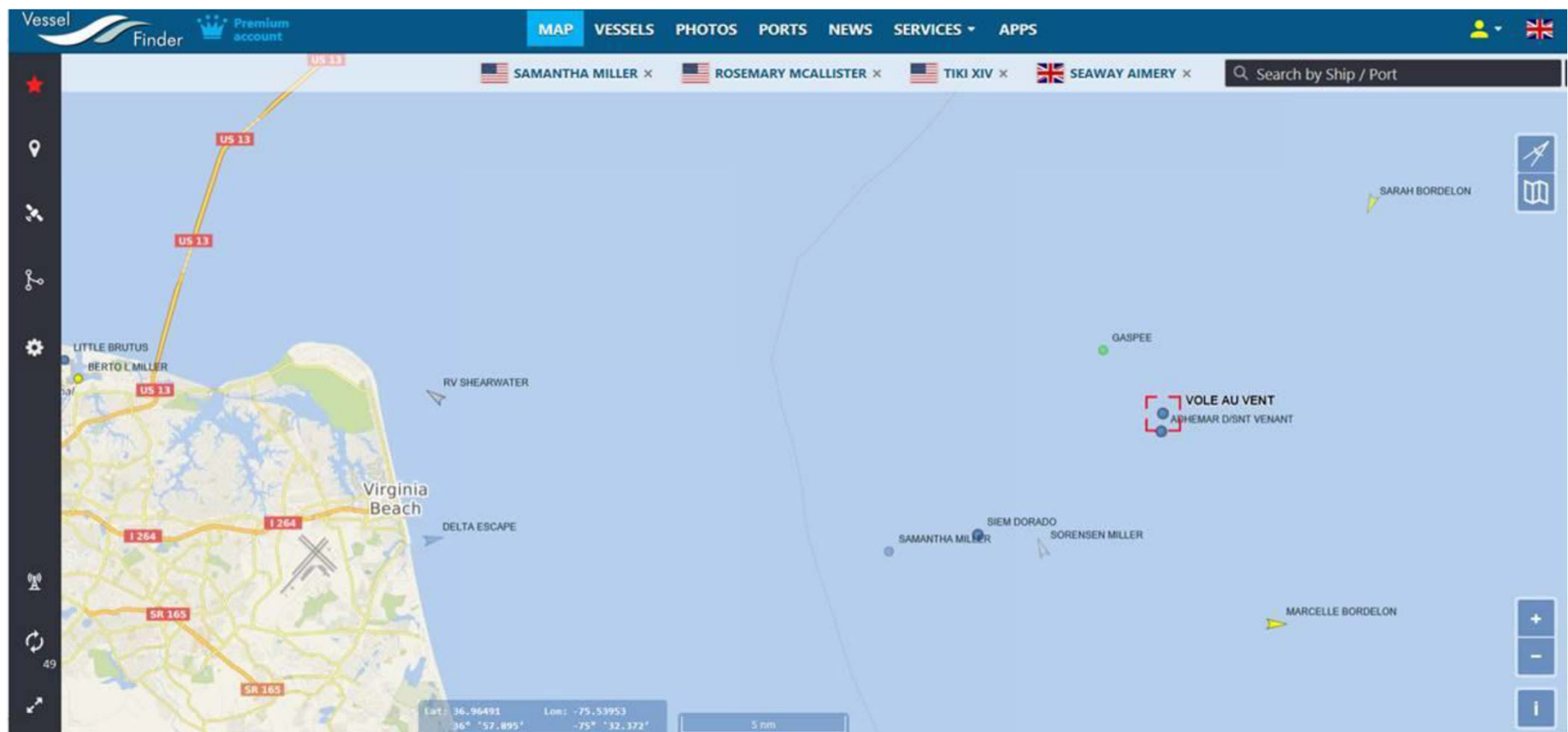
Offshore wind legislation signing & turbine visit



Governor Northam, VA Legislators & VIP event – June 29th

Coastal Virginia Offshore Wind – Vessel Support

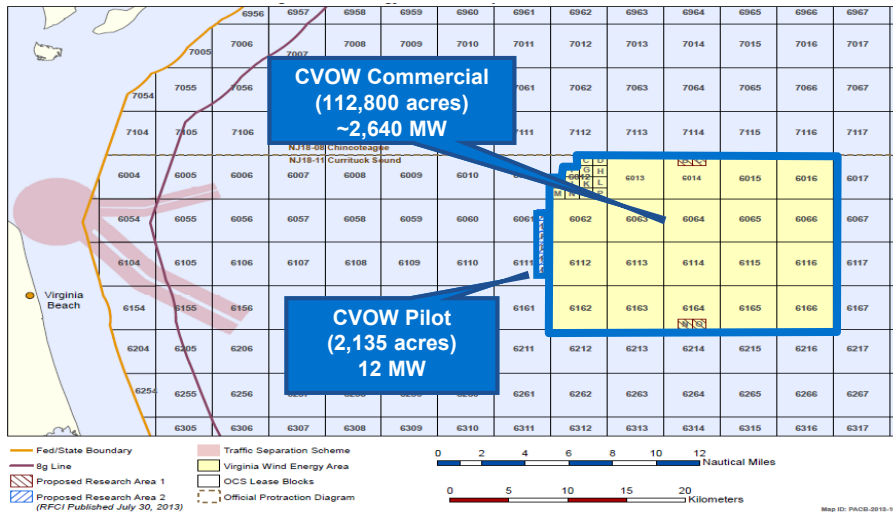
A recent day off Virginia Beach – May 31st, 2020



10 major vessels supporting both the pilot and commercial projects on May 31st
Over 25 vessels and over 400 crew / workers involved on two projects

Coastal Virginia Offshore Wind (CVOW) Commercial

Project Summary



Commercial Offshore Wind Lease Area

- 112,800 acre lease area 27 miles off Virginia Beach
- Interconnect filed for 2,640 MWs
- Selected Siemens Gamesa as Preferred Turbine Supplier
- Selected Ramboll as Owners Engineer
- Virginia Clean Economy Act supports 5.2GW of offshore wind

Executed Lease with BOEM

2013

Site Assessment Plan
Approved by BOEM

2016

File Interconnect

2019

Ocean survey work
Submit Construction & Operations Plan

2020

Construction and Commissioning

2024 to
2026

*BOEM = Bureau of Ocean Energy Management

Questions?