

Virginia is all in for Offshore Wind



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Virginia Offshore Wind

Timeline and Milestones

2009

BOEM and VA convene Renewable Energy Taskforce to identify OSW lease areas

2011

Governor McDonnell announces that Virginia will bid for an offshore lease site BOEM

2015

- BOEM issues first research lease to DMME (site of CVOW)
- DMME releases Port Readiness Study

2018

Governor Northam signs legislation authorizing CVOW construction

September '19

- Governor Northam signs EO43: 30% renewable electricity by 2030 & 100% by 2050
- BOEM fully permits CVOW: only permitted project in federal waters
- Dominion announces largest project in NA

April '20

Governor Northam signs VCEA and OSW legislation: 5200MW by 2034

2010

Virginia creates the Virginia Offshore Wind Development Authority (VOWDA)

2013

Dominion wins auction for VCWEA

2017

Coastal Virginia Offshore Wind (CVOW) project announced

July '19

Onshore construction of CVOW begins

January '20

- Orsted signs lease at PMT for up to 40 acres
- Siemens Gamesa will partner to provide the turbines for VCWEA

June '20

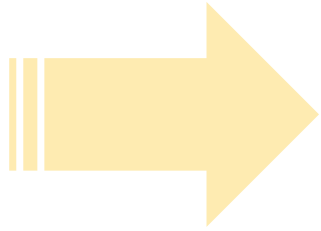
CVOW turbines installed – 1st in federal waters



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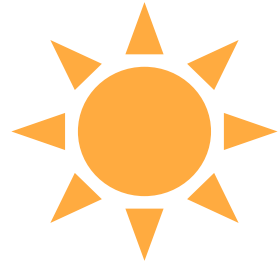


Virginia Clean Economy Act



40% by 2030

Produce 40 percent of Virginia's electricity from renewable energy sources by 2030



100% by 2050

Produce 100 percent of Virginia's electricity from carbon-free sources by 2050



Energy Equity

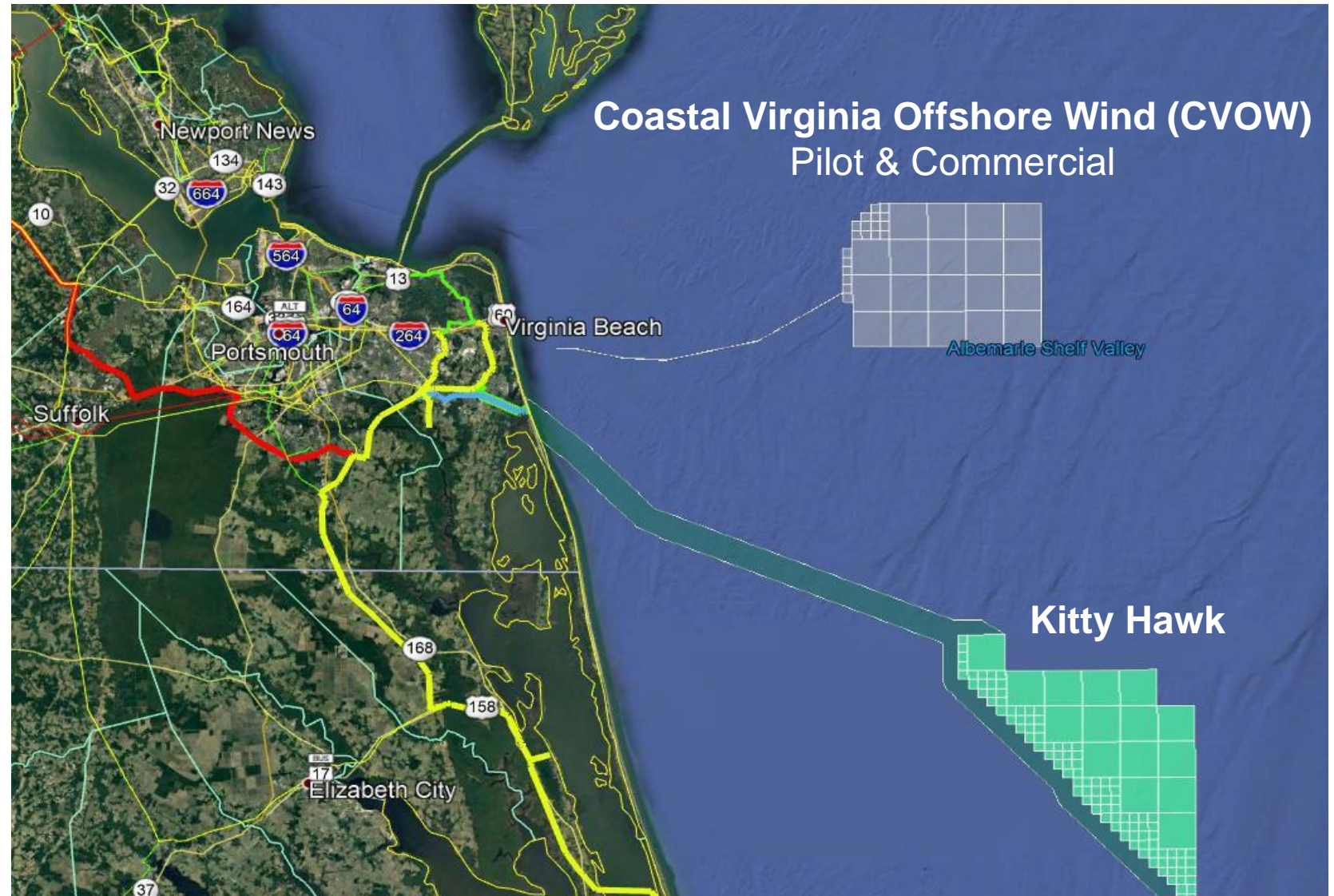
Achieve energy goals in a just manner that advance social, energy, and environmental equity



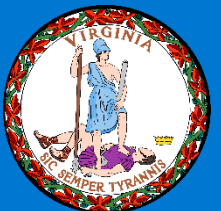
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Commercial Lease Areas: Virginia and North Carolina



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Coastal Virginia Offshore Wind (CVOW) Phase I - Pilot Project

First turbines in Federal waters

Project Highlights

The pilot project places Virginia on a trajectory to lead offshore wind development:

- 12 MW installation with two 6 MW wind turbines
- Capable of powering 3,000 homes
- 27-miles off Virginia Beach
- First offshore wind turbines installed in Federal waters
- The only research turbines in the US
- An important first step that will provide valuable experience for the CVOW commercial wind project and positions the region for future success



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Advantage: Virginia



- Post-Panamax: Deepening to 55'
- 18 miles from open sea with no overhead obstructions
- Central location
- Stellar workforce
- Strong terminal infrastructure and robust intermodal connections
- Largest marine industrial center in the country

Hampton Roads harbor terminals

NEWPORT NEWS MARINE TERMINAL (NNMT)

FUTURE CRANEY ISLAND MARINE TERMINAL (CIMT)

VIRGINIA INTERNATIONAL GATEWAY (VIG)

NORFOLK INTERNATIONAL TERMINALS (NIT)

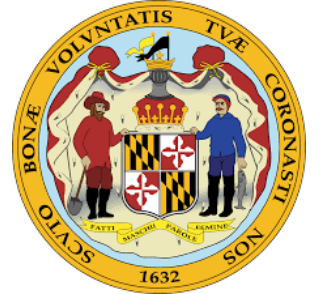
PORTSMOUTH MARINE TERMINAL (PMT)



Mid-Atlantic Wind Training Alliance



Governors Memorandum of Understanding



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Virginia Partners

