OFFSHORE WIND IN VIRGINIA

WHY OFFSHORE WIND?

Wind is a powerful resource that can be harnessed to provide a source of clean, renewable electricity. Virginia is fortunate to have significant wind resource across the state and along its coast. In addition to providing communities with a low-cost source of electricity, wind projects provide additional revenue to landowners and county tax coffers. With a median household income in Virginia of $66,149, a landowner that hosts only two turbines could increase their income by almost 20% annually (Census Bureau, 2016).

ECONOMIC POTENTIAL

Hampton Roads Alliance report says that every gigawatt of new offshore wind energy development will yield:

- 5,200 direct and indirect Virginia jobs annually (almost all in Hampton Roads)
- $270 million in pay and benefits
- $740 million in economic output
- $21 million in revenues for local governments in the Hampton Roads area, and an additional
- $18 million in Virginia state tax revenues.

VIRGINIA CLEAN ENERGY POLICY ACT (VCEA)

The VCEA was passed in 2020 and establishes an offshore wind goal of 5,200 MW by 2035 and a goal of 16,100 MW of land-based wind or solar. It also includes language that encourages:

1) Competitive procurement of services and equipment to keep ratepayer costs low
2) Utilizing local workers
3) Opportunities to advance Virginia’s workforce and economic development goals
4) Prioritizing hiring, apprenticeships, and training for veterans, local workers, and workers from historically disinvested and disadvantaged communities.

STATE GOALS

Eastern seaboard states have identified this massive economic opportunity and are already setting aggressive goals to help secure the demand necessary to attract the manufacturing supply chain.

- VIRGINIA 5,200 MW
- NEW YORK 9,000 MW
- MASSACHUSETTS 5,600 MW
- NEW JERSEY 7,500 MW
- RHODE ISLAND 1,000 MW
- CONNECTICUT 2,000 MW
- MARYLAND 1,400 MW
- NORTH CAROLINA 8,000 MW
**VIRGINIA OFFSHORE WIND**

**COASTAL VIRGINIA OFFSHORE WIND PROJECT (CVOW)**
- Located 27 miles off of Virginia Beach
- First utility-owned offshore wind project in the United States
- Two demonstration wind turbines currently in operation
- 2.6 GW Project
- Second phase: 176 turbines, 2,600 MW of power
- Will support ~1,100 jobs
- Offshore construction expected to begin Q2 2024
- Will provide zero-carbon energy to as many as 660,000 customers at peak output

**Project Milestones:**
- Dominion invested $500 million in Charybdis, a highly specialized vessel for OSW construction
- Charybdis is on track to be completed on schedule by December 2023
- Spurred new Siemens Gamesa facility and Skanska redevelopment of Portsmouth for OSW staging

**KITTY HAWK OFFSHORE WIND PROJECT**
- While closer to NC, the Kitty Hawk project is expected to make landfall in Sandbridge, VA Beach
- 122,405 acres
- ~3.5 GW
- Construction to begin no sooner than 2026

**SUPPLY CHAIN**

**SKANSA REDEVELOPMENT**
- Skanska has signed a contract with the Virginia Port Authority to rebuild 72 acres of the Portsmouth Marine Terminal in Portsmouth, Virginia
- Contract of $223 million

**SIEMENS GAMESA FACILITY**
- Constructing a blade finishing facility Portsmouth, VA
- Approximately 310 jobs created
- Will include $80 million in investments for buildings and equipment at the Portsmouth Marine Terminal