

# Offshore Wind Rhode Island



# Rhode Island OSW Update

2016, RI launched the first Offshore Wind Farm in the US. The 30MW Block Island wind farm continues to generate clean energy power to Block Island, RI

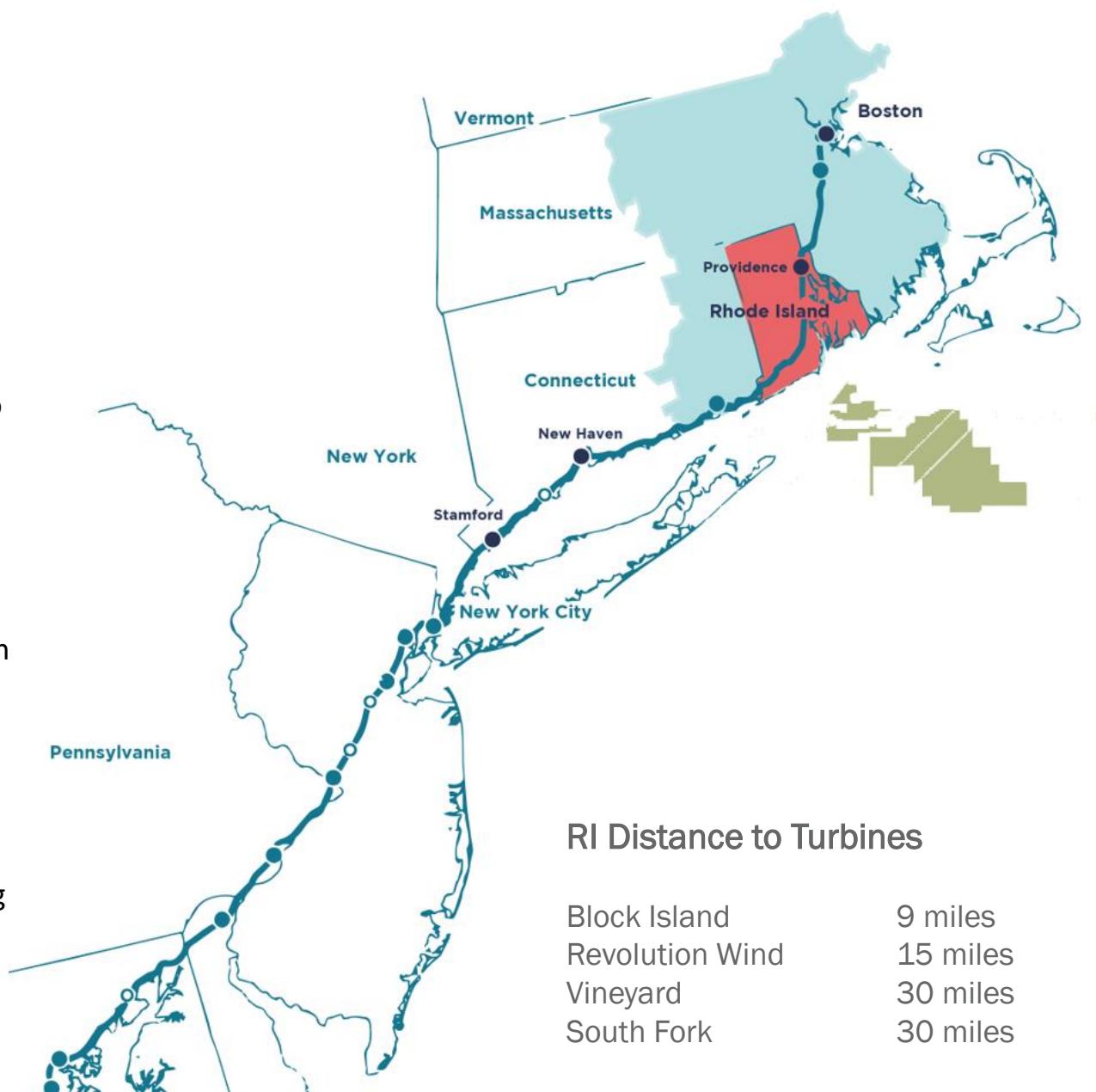
2018, RI went to market to procure an additional 400MW of wind power. Orsted and Eversource are currently developing Revolution Wind, expected to be operational as early as 2023

2019, Governor Raimondo set an aggressive goal for clean energy, mandating that 100% of RI's electricity be powered by renewables by 2030

2020 Announcement that RI intends to procure up to an additional 600 MW in offshore wind energy

2014 through Q4 2019, RI's has seen a 77.3% increase in clean energy jobs

RI Commerce, in collaboration with other state agencies, has been working to build out RI's OSW supply chain, supporting companies landing and expanding in the state

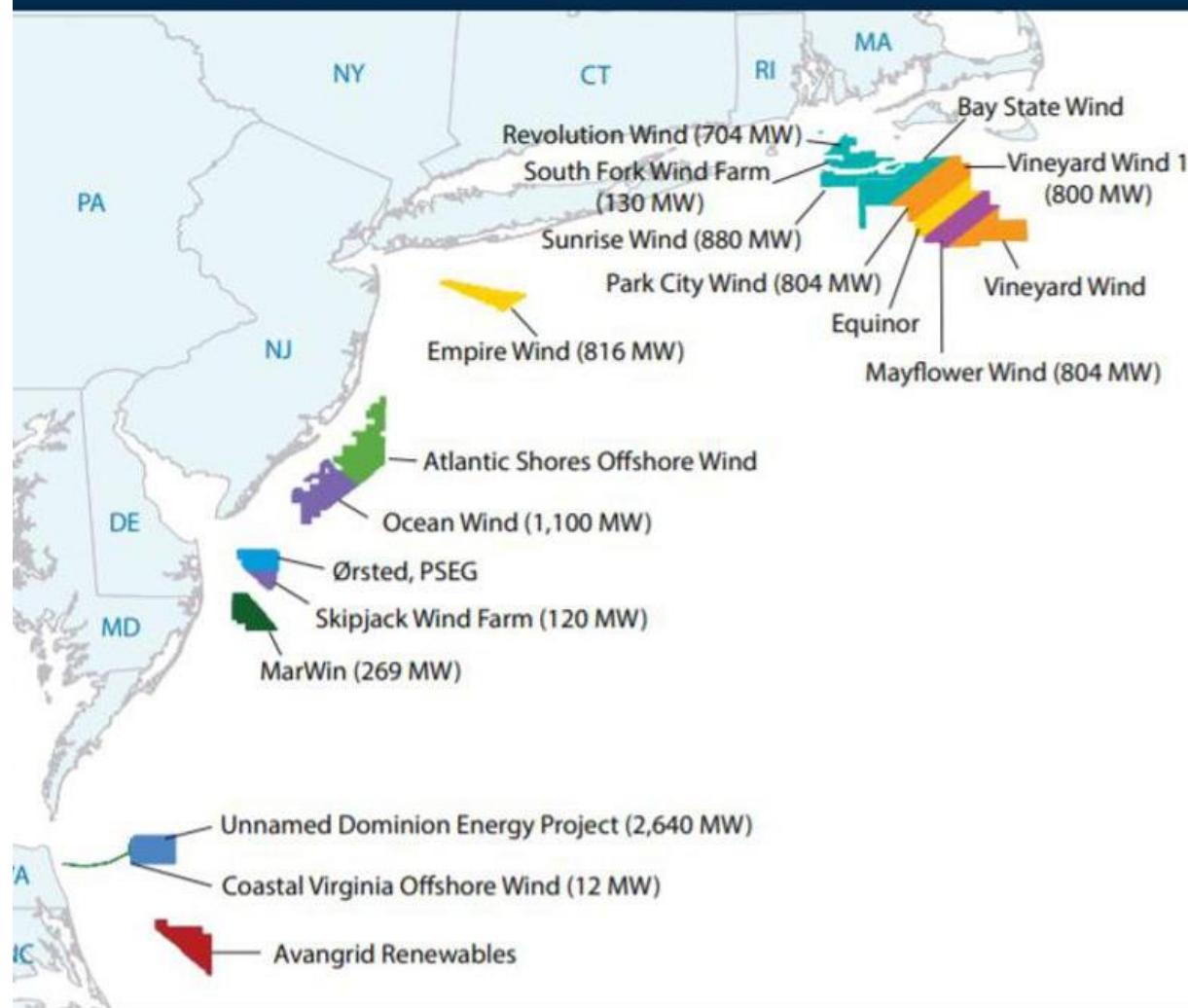


# Offshore Wind Today

**7 Active Turbines, 42 MW of total generation capacity, no utility scale projects in federal waters.**

- 2016 Block Island Wind Farm entered service: 5 turbines each 6 MW
- 2020 Coastal Virginia Wind Project: 2 turbines each 6 MW
- 2017 December: Vineyard Wind, an 800 MW project, submits Construction and Operations plan.
- 2021 March: Vineyard Wind Environmental Impact Statement Approved, now just awaiting full project permit approval.
- 2023 Projected start date for Vineyard Wind construction.

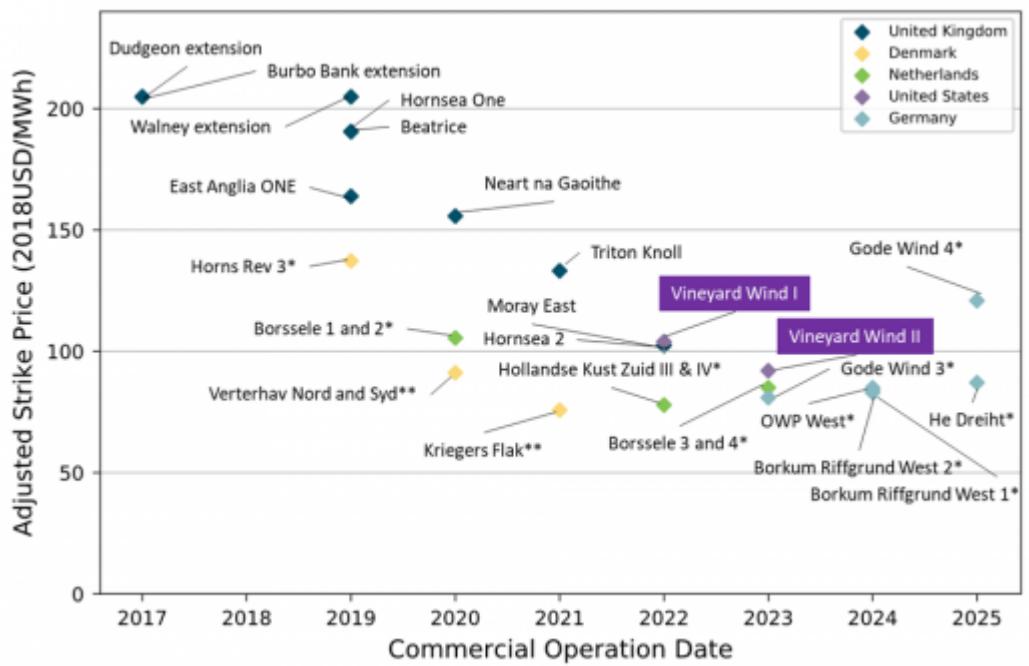
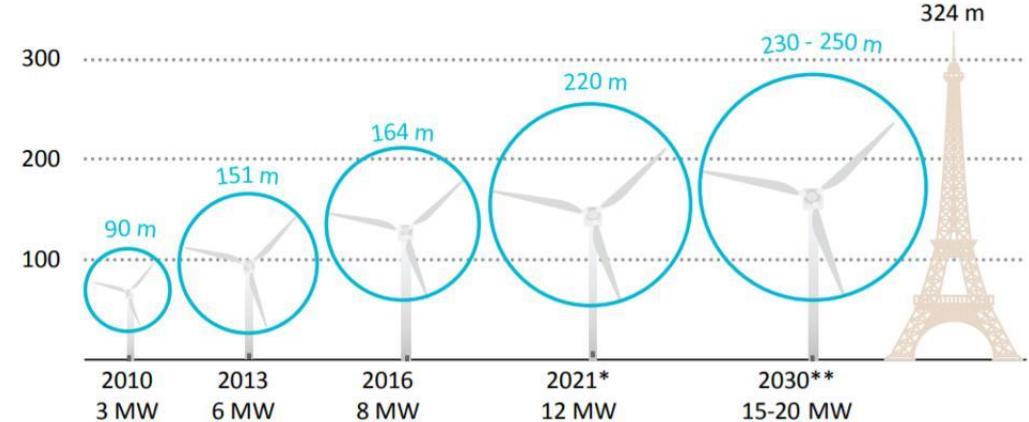
## East Coast Offshore Wind Projects and Lease Areas



# The Future of Offshore Wind

Turbines are getting larger, costs are going down, and demand is rapidly increasing

- 9,1000 MW of offshore wind under development
- 83,000 new, well paying jobs by 2030
- States have established targets to procure 29,000 MW of offshore wind
- BOEM has leased areas that can support 20,000 MW of offshore wind
- BOEM targeting a doubling of offshore wind leasing



# Rhode Island OSW Strategy

## Grow Locally

- Identify local companies that can compete in the industry
- Develop & deploy capability audits to upskill local companies (**Supply RI**)
- Attract companies to fill supply chain gaps

## Invest in Infrastructure

- Port infrastructure & development
- Support shore side construction through site readiness programs
- Invest in workforce to support growing companies

## Innovate Globally

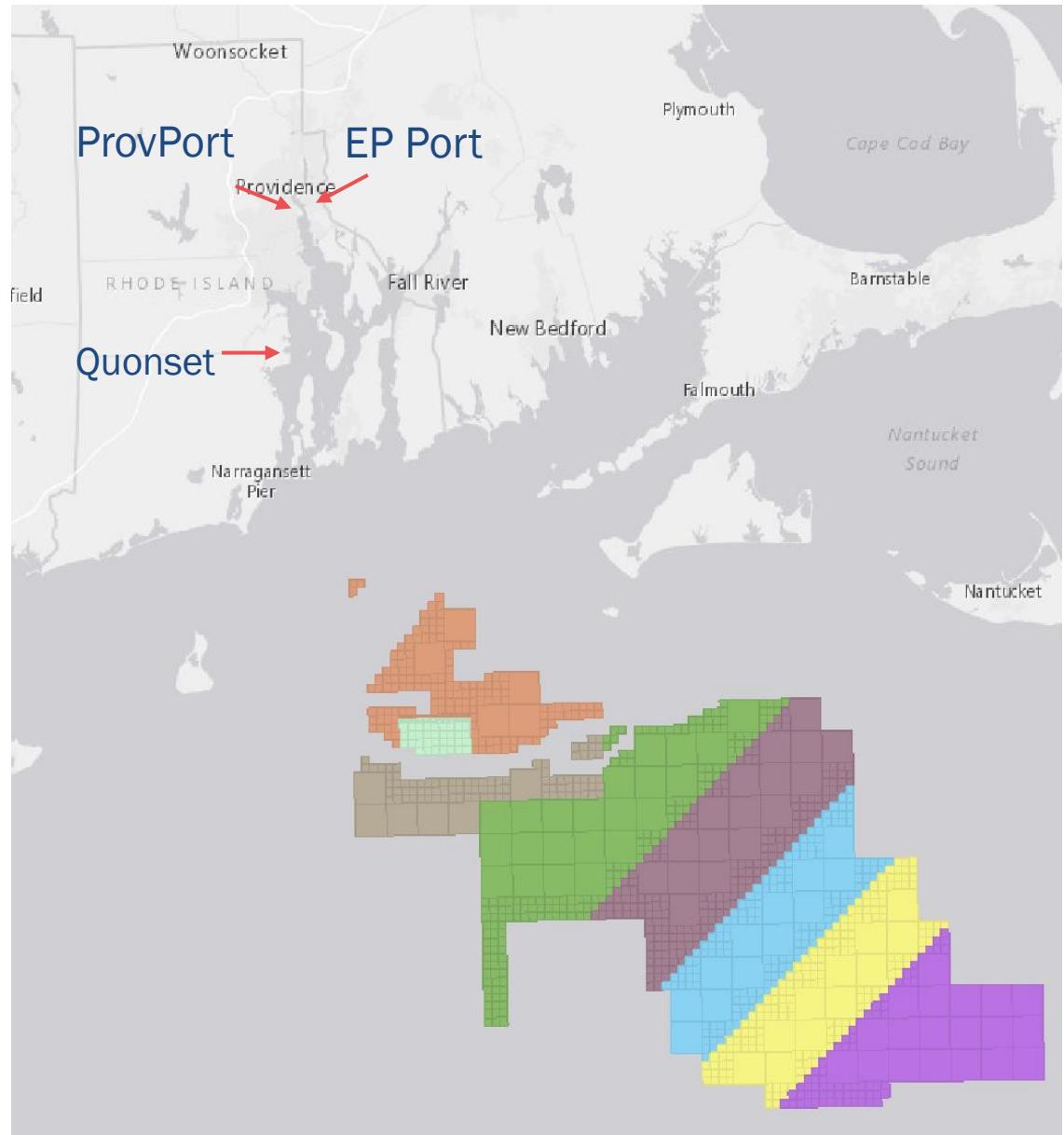
- Establish regional clusters (ex. Growing Hub at CIC, Providence)
- Provide access to capital through federal, state, and private programs
- Support companies moving technology from research to commercialization through innovation centers and defense programs



# Port Infrastructure

**Rhode Island will have three Deep Water Ports in close proximity Northern Lease Areas**

- Land Requirements for a 500 MW project
  - Turbine Construction and Storage: 50 acres of lay down space required to support turbine construction
  - Cable and other equipment storage: 25 acres of lay down space.
- Land Available
  - ProvPort: 115 acres total, 35 acres of laydown space.
  - Quonset: 58 acres of laydown/terminal space
  - New Bedford: 29 acres total, 21 acres of lay down space





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