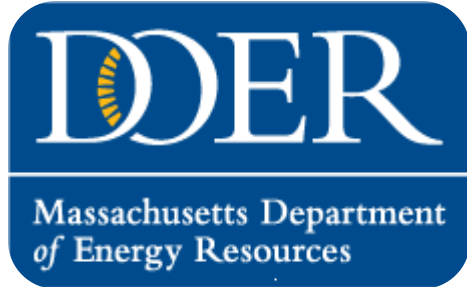


Creating A Cleaner Energy Future For the Commonwealth



COMMONWEALTH OF MASSACHUSETTS

Charles D. Baker, Governor

Karyn E. Polito, Lt. Governor

Matthew A. Beaton, Secretary

Judith F. Judson, Commissioner

MASSACHUSETTS' OFFSHORE WIND PURSUITS

NASEO

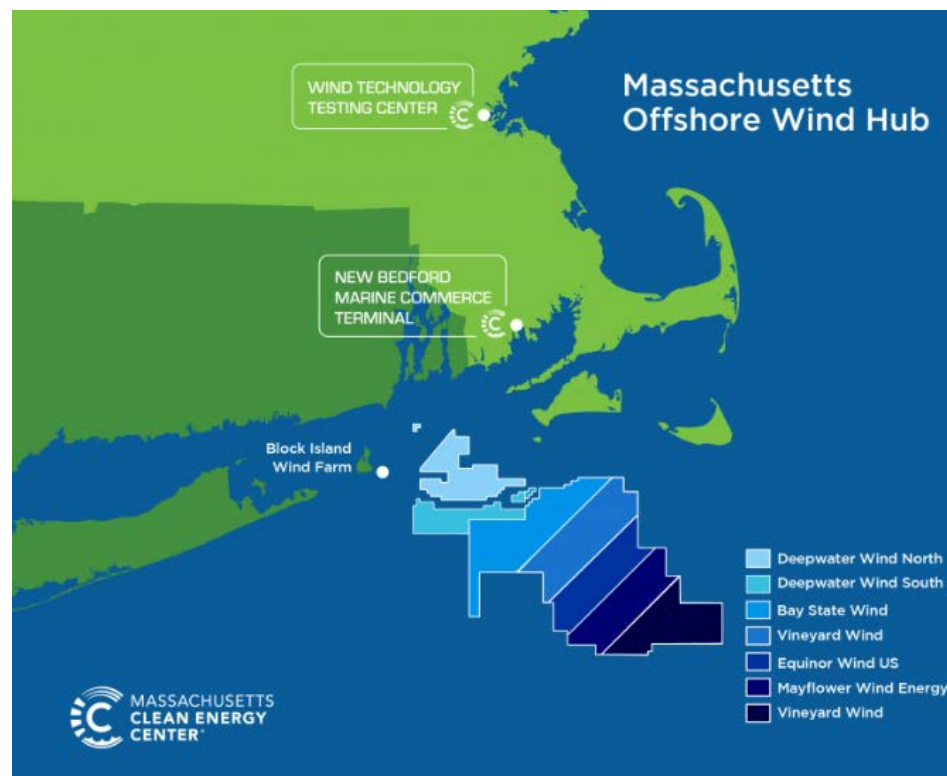
FEBRUARY 7, 2019

MASSACHUSETTS DEPT. OF ENERGY RESOURCES

COMMISSIONER JUDITH F. JUDSON

OFFSHORE WIND OPPORTUNITY

- Clean, affordable and resilient energy future
- Massive opportunity
 - +10GW potential
- Lease auctions - competition and market confidence increasing
 - 2013 – 2 sites, \$3.8 million
 - 2015 – 2 sites, \$400 thousand
 - 2018 – 3 sites, \$405 million



MASSACHUSETTS 83C PROCUREMENTS - 1ST ROUND

- **2016 An Act Relative to Energy Diversity** - authorization for 1,600 MW
 - Multiple solicitations
 - Power Purchase Agreement for Energy and RECs (not capacity)
- First solicitation sought 400 MW, with potential for up to 800 MW
- May 2018 - selected Vineyard Wind 800 MW
 - **Levelized 6.5 cents/kwh (2017\$)**
- Commercial Operation Date
 - 1st 400 MW Dec 2021
 - 2nd 400 MW May 2022
- Rhode Island selected 400 MW Revolution Wind project



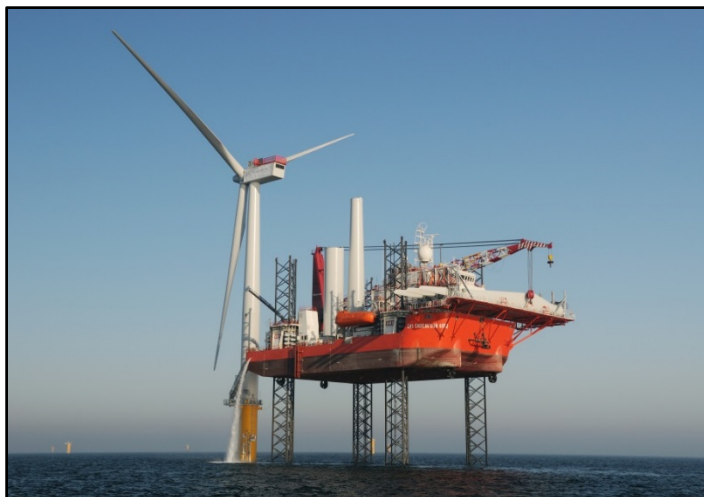


VINEYARD WIND – 800 MW APPROVAL & PERMITTING

- Contracts submitted to Massachusetts Dept. of Public Utilities for approval in July 2018
- State permitting process (transmission infrastructure within 3 miles)
 - Energy Facility Siting Board - hearings have concluded
 - Final decision expected Spring 2019
- Federal Permitting Process (all infrastructure beyond 3 miles of coast)
 - Construction and Operation Plan submitted to Bureau of Ocean Energy Management (BOEM) in December 2017
 - Draft Environmental Impact Statement (EIS) public hearings - rescheduled for February 2019
 - Final Decision anticipated Summer 2019
 - Construction to commence Fall 2019

MASSACHUSETTS 83C PROCUREMENTS – 2ND ROUND

- Stakeholder questions issued
- Next RFP to be issued before end of June 2019
- Timing Considerations
 - Facilitating eligibility for expiring ITC
 - Maximizing competition with new lease holders
- www.MACleanEnergy.com
(click on “follow” button in bottom right)



OFFSHORE WIND STUDY



- An Act to Advance Clean Energy in August 2018
- DOER to investigate the necessity, benefits and costs of additional procurement for up to 1,600 MW
- DOER authorized to require additional 1,600 MW
- Deadline: study due to Legislature no later than July 31, 2019

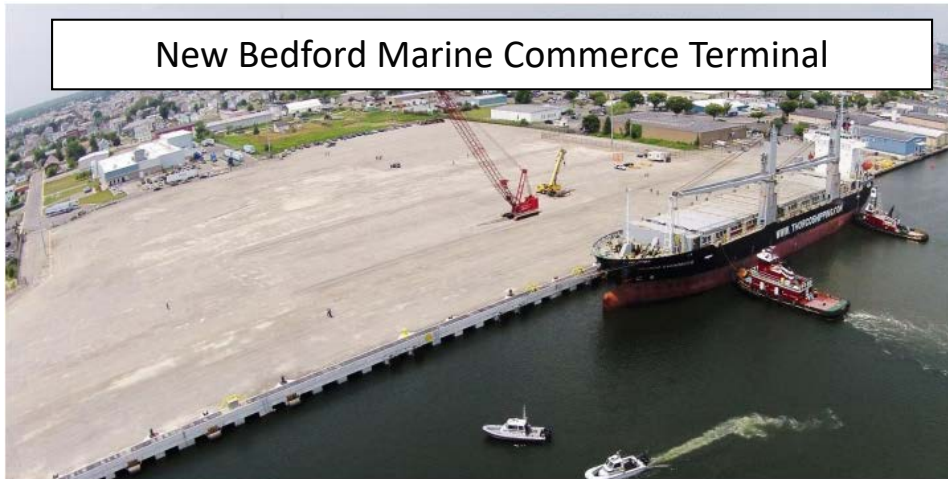
ECONOMIC AND INDUSTRY DEVELOPMENT

Brayton Point



- **New Bedford Marine Commerce Terminal**
 - Completed in 2015 – only port in US designed to support the construction, assembly, and deployment of offshore wind
- **Brayton Point – former coal plant**
 - Being repurposed for offshore wind development
- **Wind Technology Testing Center**
 - Opened in 2011 – full suite of static and fatigue tests for blades up to 90m blades

New Bedford Marine Commerce Terminal



Wind Technology Testing Center

