



MAINE

GOVERNOR'S ENERGY OFFICE

Dan Burgess
Director

www.maine.gov/energy



MAINE

- Population: 1.3 million
- Households: 550,000
- 16 counties, nearly 500 municipalities
- 3,478 miles of coastline (5,300 w/ islands)
- 3,066 off-shore islands
- 8.65% of New England electricity demand



GULF OF MAINE

- Commercial fisheries landings were worth \$637M in ex-vessel revenue in 2018, with almost half a billion in lobster landings alone.
 - Indirect economic impact of commercial fishing is estimated at roughly 3x, or over \$1.5B.
- Maine commercial harvesters took more than twice the number of commercial fishing trips than any other state on the east coast. In 2017, Maine harvesters reported 447,523 trips while harvesters from Virginia, the next highest state, reported just 217,940.
- The Gulf of Maine warming faster than 99% of the global ocean.



“I pledge that my Administration will work to prevent and mitigate climate change at every turn, helping communities become resilient to those changes already underway and embracing clean energy opportunities... We will lead in this effort to ensure that our children and grandchildren will enjoy, as we do, Maine’s unsurpassed bounty and beauty.”

– Governor Janet Mills

Early Action: Joined U.S. Climate Alliance; ended blanket ban on wind power development; withdrew Maine from offshore drilling coalition.



CLEAN ENERGY AND CLIMATE ACTION

Maine Climate Council

- 45% reduction in greenhouse gas emissions by 2030, 80% by 2050
- Creates Maine Climate Council, charged with developing Maine State Climate Plan by 12/1/2020

Executive Order #10: An Order to Strengthen Maine's Economy and Achieve Carbon Neutrality by 2045

- Announced at the United Nations General Assembly

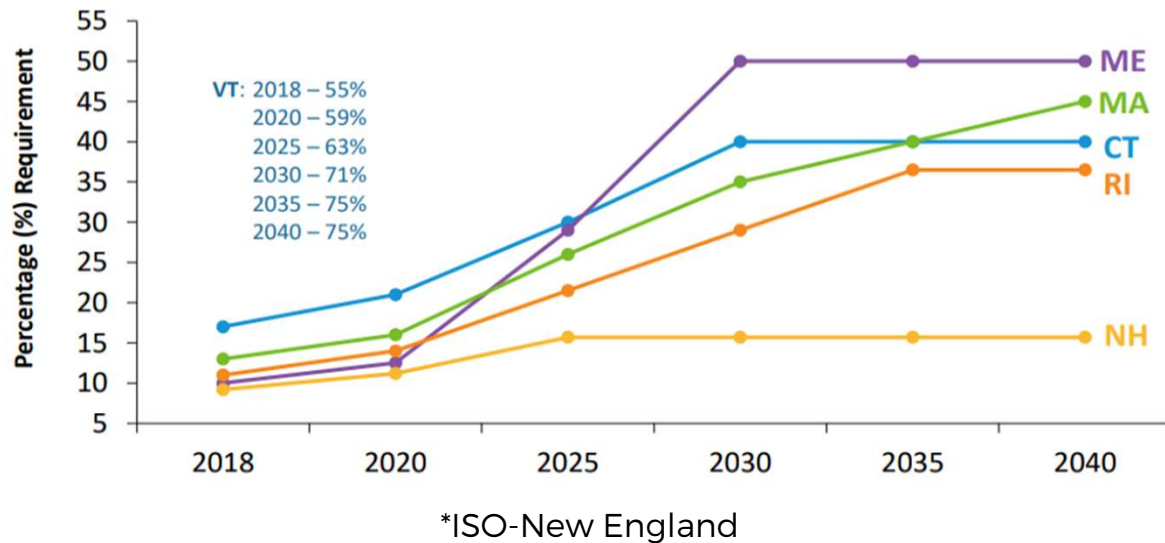
Executive Order #13: An Order for State Agencies to Lead by Example Through Energy Efficiency, Renewable Energy and Sustainability Measures



CLEAN ENERGY AND CLIMATE ACTION

Renewable Portfolio Standard and Solar Programs

- Increased RPS to 80 percent by 2030, up from 40 percent, and a goal of 100% by 2050.
- New declining block and net metering programs for solar



Transportation and Heating

- 100,000 new heat pumps in Maine by 2025
- Rebates for electric vehicles, charging infrastructure grants and pilot programs



OFFSHORE WIND - MAINE HISTORY

2008: Governor Ocean Energy Task Force Created

2009: An Act To Facilitate Testing and Demonstration of Renewable Ocean Energy Technology

- Streamline and coordinate state permitting in an environmentally responsible manner
- Set test site for University of Maine

2009: An Act To Implement the Recommendations of the Governor's Ocean Energy Task Force

2010: BOEM Task Force for unsolicited request for a commercial lease

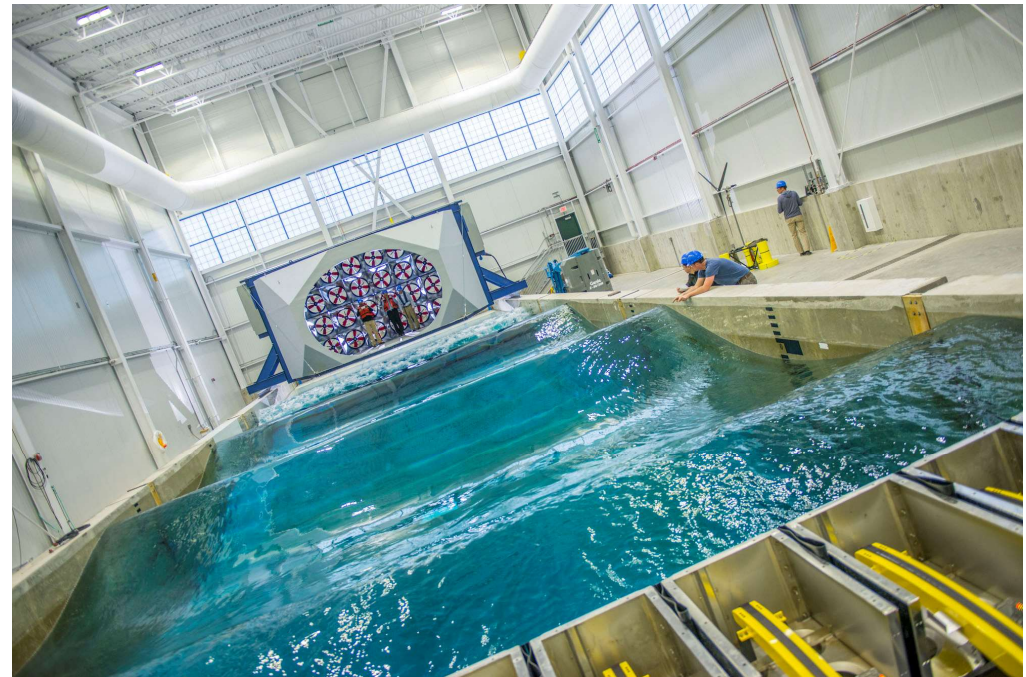
- Request withdrawn in 2012



NEW ENGLAND AQUA VENTUS I

Floating Offshore Wind Platform

- Developed by **University of Maine** Advanced Structures & Composites Center - 38 Patents
- VoltturnUS concrete hull, can be 'produced locally'
- **U.S. Dept of Energy**
 - More than \$50 million investment and commitment



AQUA VENTUS

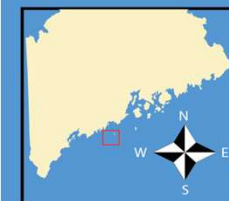
2013: Legislation for PUC to allow Aqua Ventus proposal

2013: 1/8 scale successfully operated at sea for 18 months

2014: Maine PUC approves PPA Term Sheet

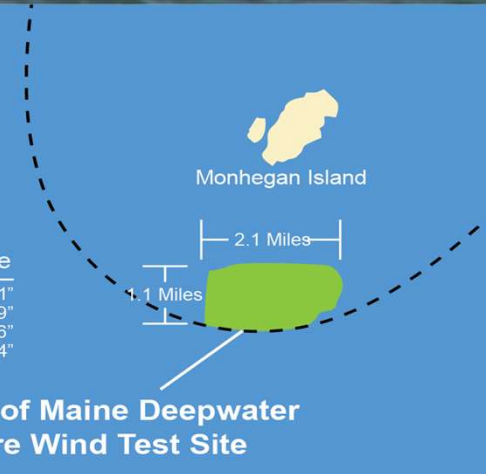
2018: MPUC Reopens Term Sheet

2019: Legislation directing term sheet approval and PUC approval



Latitude and Longitude of Site

Northern Boundary	43° 43' 18.231"
Eastern Boundary	69° 20' 16.759"
Southern Boundary	43° 42' 15.436"
Western Boundary	69° 17' 39.544"



University of Maine Deepwater
Offshore Wind Test Site

Offshore wind represents a significant opportunity for Maine's energy future and economy.

Any potential development must fully consider all commercial fishing and maritime interests as well as habitat and natural resources – and seek to minimize impacts and maximize compatibility.

BOEM Task Force is an opportunity to engage with necessary state, local, tribal and federal partners as well as all interested ocean stakeholders.

State Activities: Maine Offshore Wind Initiative

www.maine.gov/energy/initiatives/offshore-wind.html



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THANK YOU

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