



GOVERNOR'S Energy Office

Floating Offshore Wind in Maine

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CLIMATE COUNCIL GOALS



12.01.20

Climate Action Plan
Delivered



ACHIEVE STATE
CARBON NEUTRALITY BY

2045

REDUCE MAINE'S GREENHOUSE GAS EMISSIONS
BY TARGETS OUTLINED IN STATE LAW

45%

BELOW 1990 LEVELS
BY 2030

80%

BELOW 1990 LEVELS
BY 2050



ENSURE MAINE PEOPLE, INDUSTRIES, AND COMMUNITIES
ARE RESILIENT TO THE IMPACTS OF CLIMATE CHANGE.



Maine is well positioned to be a global leader in offshore wind, delivering clean energy and good jobs to our state. The Maine Offshore Wind Initiative, led by the Governor's Energy Office, is dedicated to responsible growth of this industry through strategic planning, research, and coordination across Maine, the nation, and world.

An Opportunity for Maine to:



Fight Climate
Change



Harness
Renewable
Energy



Create Jobs &
Economic
Growth



Sustain Maine's
Maritime Heritage

Maine Offshore Wind Initiative

Planning: Maine's Offshore Wind Roadmap

Ports: Analysis of Searsport, and other Maine ports to support Offshore Wind



Research: Gulf of Maine Floating Offshore Research Array

Regional Collaboration: Gulf of Maine Task Force (BOEM, ME, NH, MA), Regional Wildlife Science Entity

Public/Private Partnerships: UMaine, New England Aqua Ventus, United Kingdom, National Offshore Wind Research Development Consortium, Business Network for Offshore Wind

maineoffshorewind.org

2021 Maine Legislative Activities: A Balanced Approach to Offshore Wind

- Prohibition on new offshore wind projects in State waters (3 mi from coast) in heavily fished waters
- Creation of Maine **Offshore Research Consortium** to advance scientific understanding of OSW in Gulf of Maine, includes fishing industry
- Support for the proposed research array, including directing PUC to negotiate a **power purchase agreement** for up **144 MW** for project



Gulf of Maine Floating Offshore Wind Research Array

State Research Lease:

- 12 or fewer floating turbines in federal waters
- Nearly 30 miles from mainland
- 15 square mile lease request

Research is the key driver for project

Public-Private Partnership

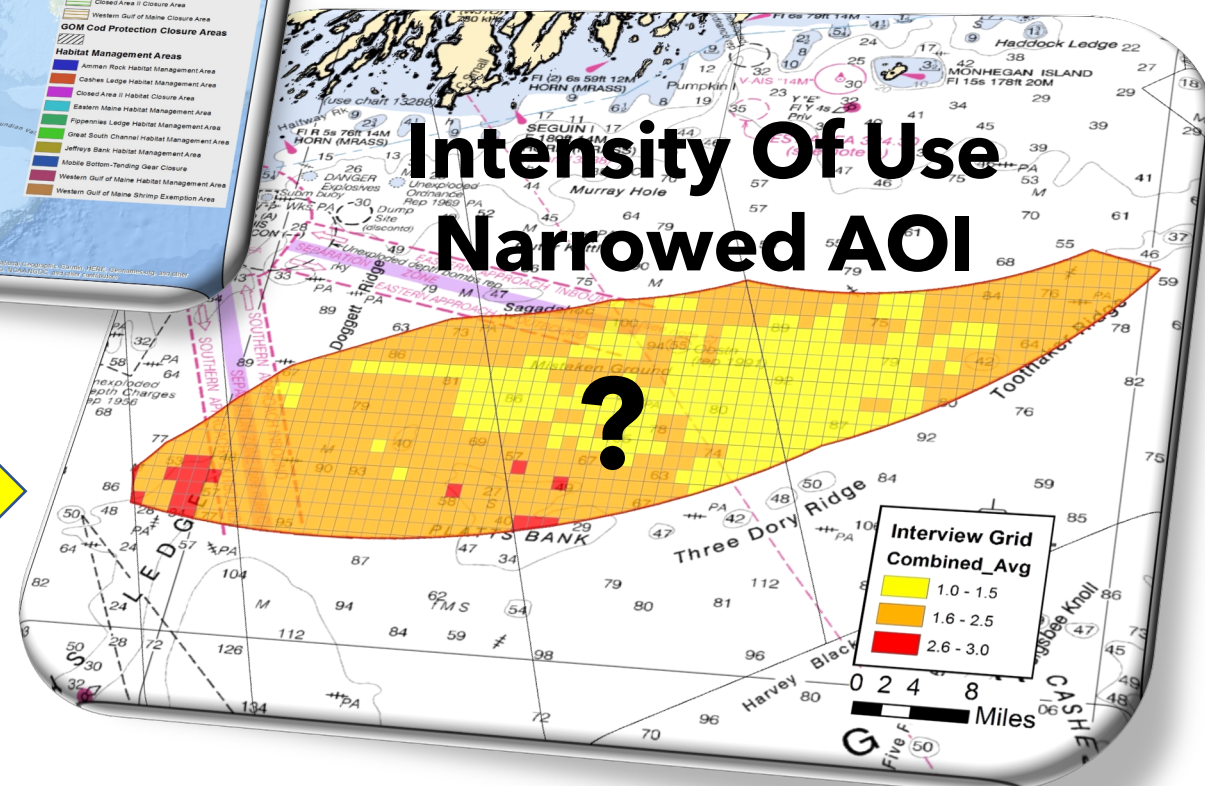
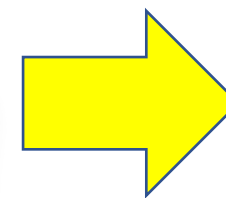
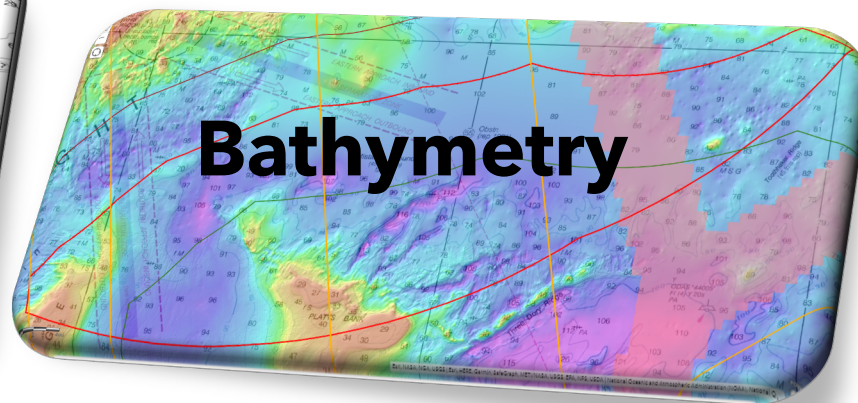
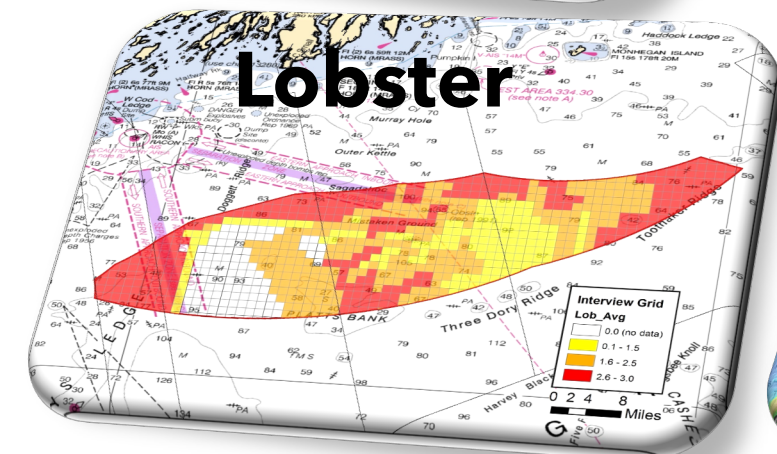
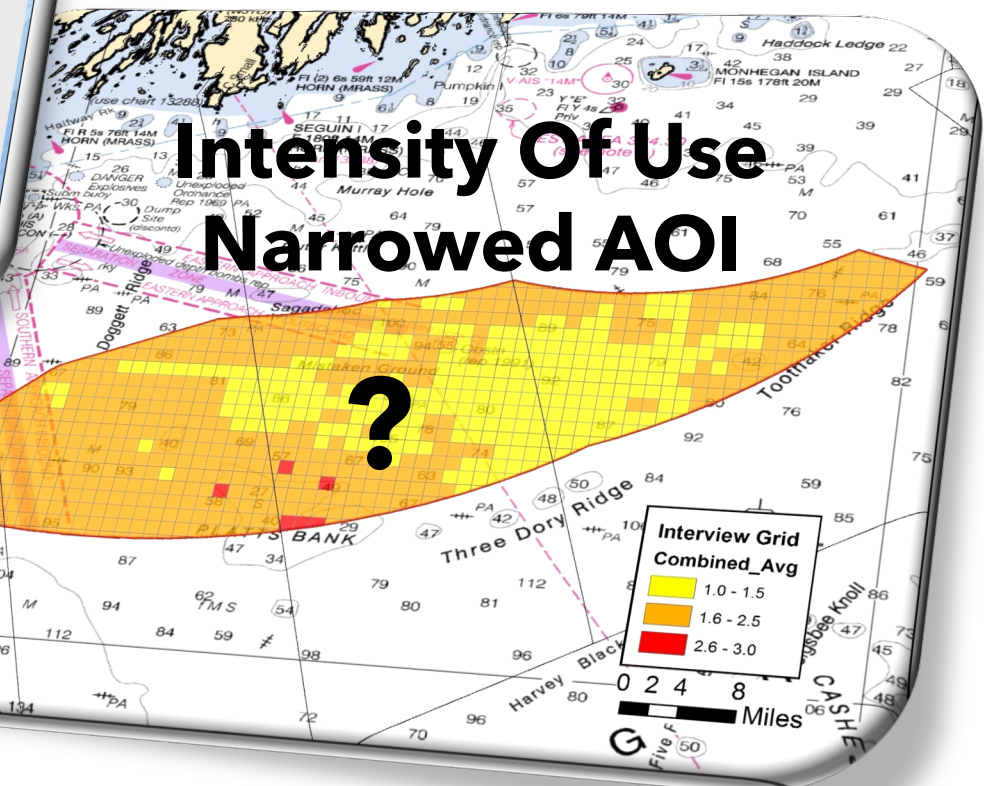
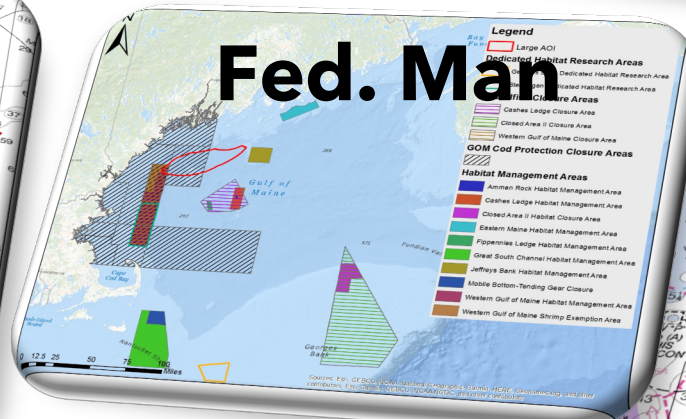
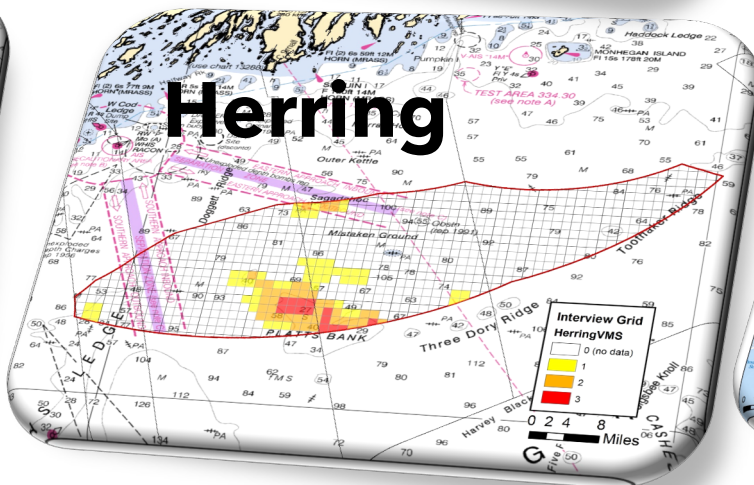
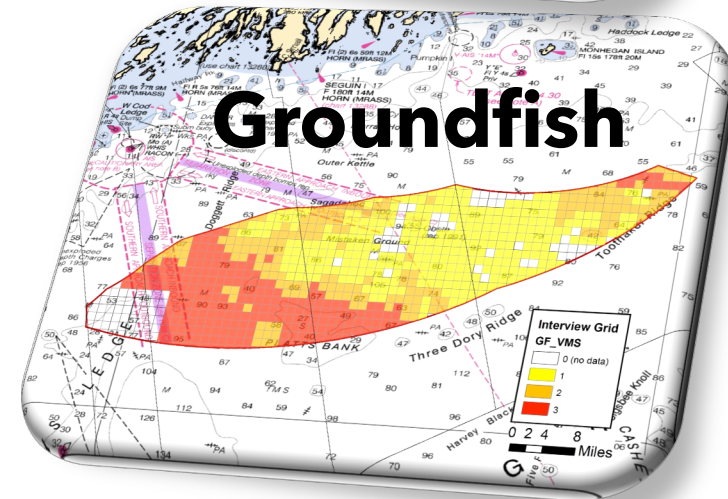
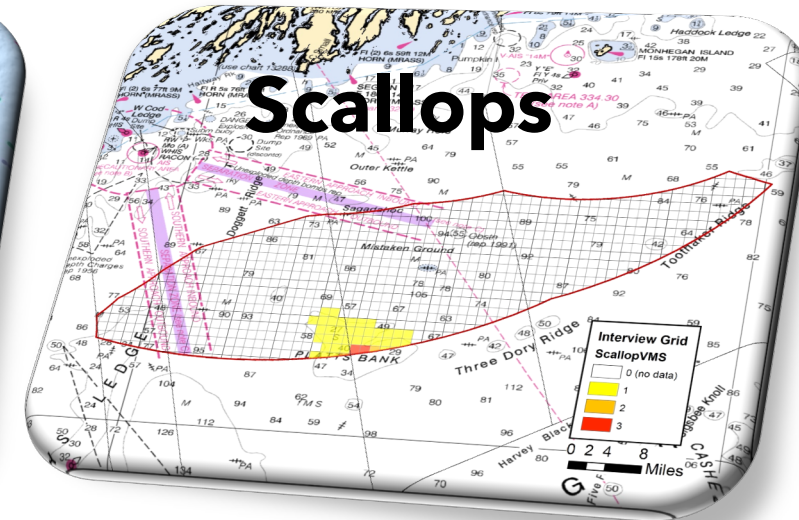
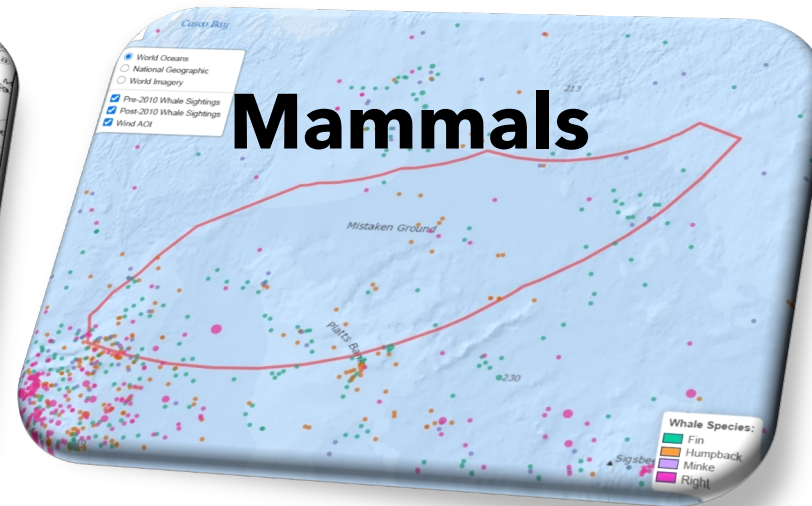
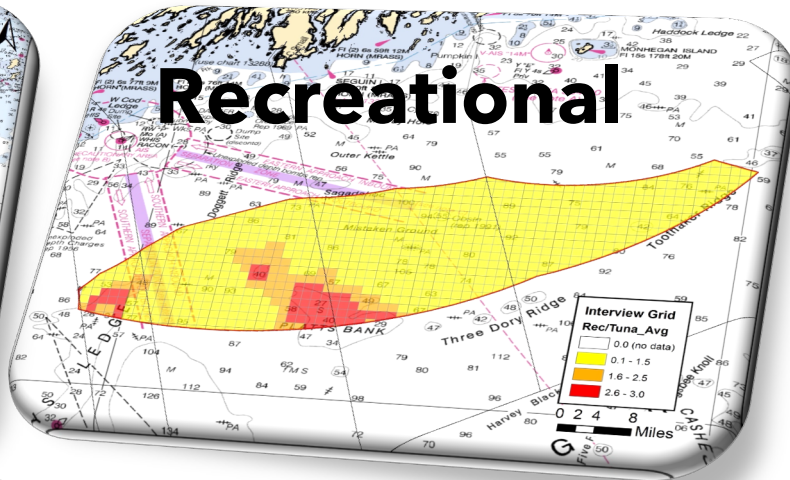
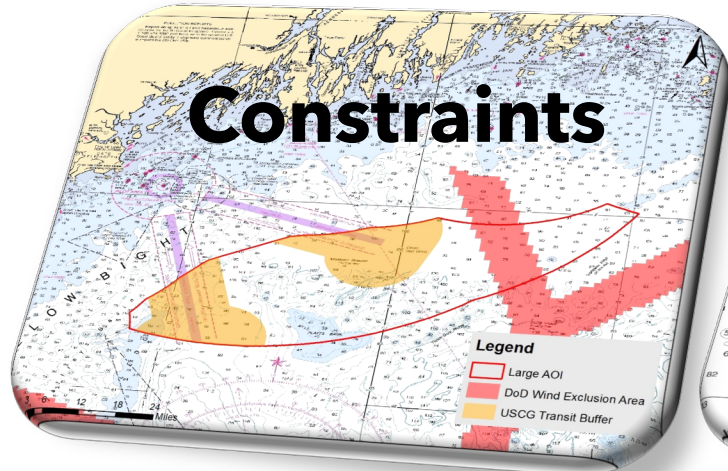
- New England Aqua Ventus – joint partnership between RWE Renewables and Diamond Offshore Wind, a subsidiary of Mitsubishi
- University of Maine

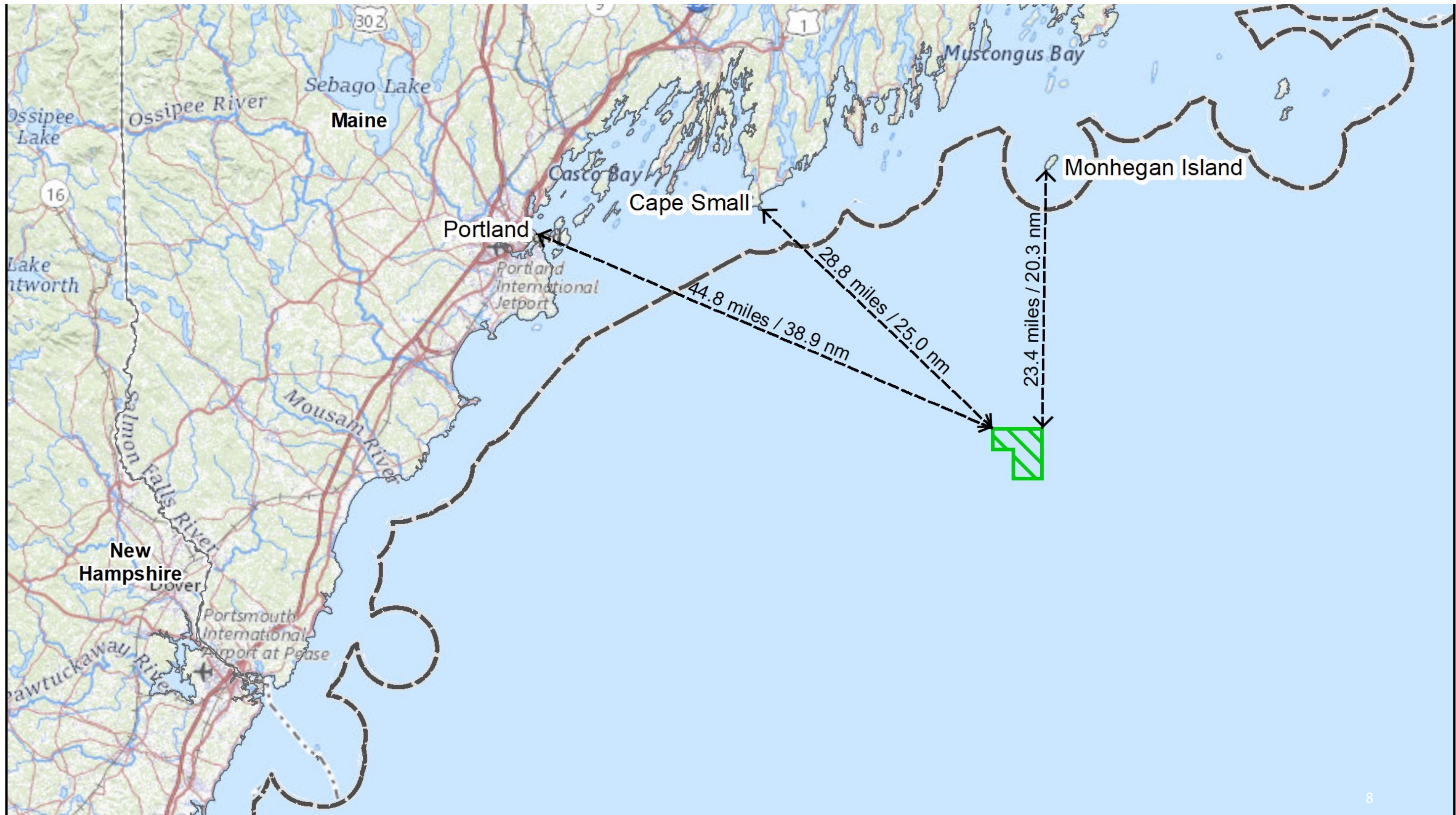
Robust stakeholder engagement and analysis

- Beginning in late 2020, held more than a dozen public meetings and work shops
- Conducted extensive data, one-on-one interviews

Maine submitted lease request Oct. 2021

DMR's Assessment Process







Maine Offshore Wind Roadmap

Led by Governor's Energy Office with Support from Other State Agencies
18-month process



Advisory Committee

GEO, Working Group Co-Chairs and
Other Public, Private and Non-governmental Leaders



Working Groups

Technical knowledge and subject matter expertise



Supply Chain, Workforce, Ports
and Marine Transportation



Renewable
Energy Strategy &
Markets



Fisheries



Environment &
Wildlife



Working Groups

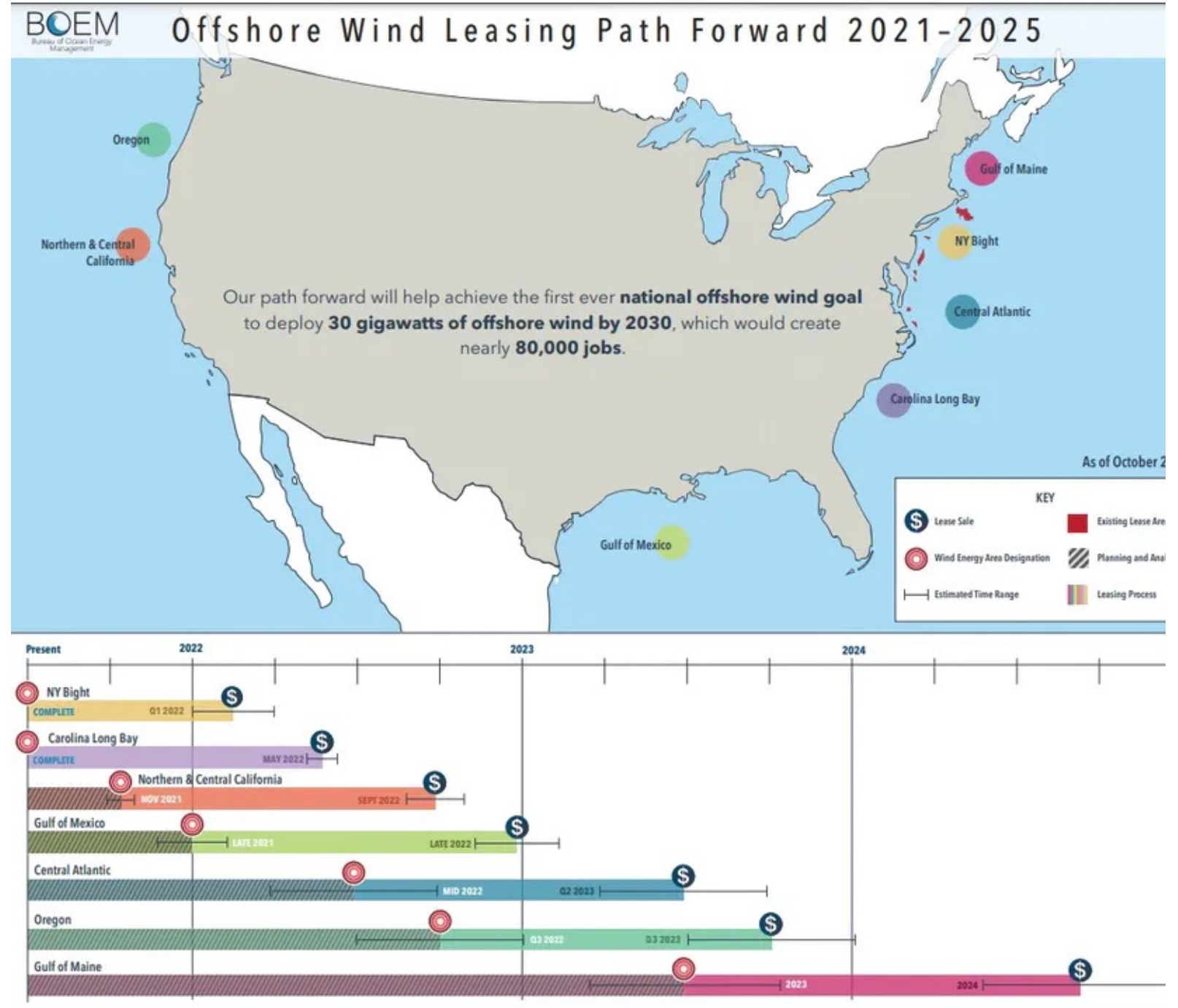
Key topic areas

- **Opportunities in floating industry**
- **Potential OSW scenarios for Gulf of Maine**
- **Socio-Economic Analysis**
- **Market and deployment strategies**
- **Transmission Study**

- **Assessment of Maine's assets and strengths**
- **Ports strategy**
- **Preparing Maine's workforce**

- **Floating Research Array – consortium, monitoring, and research**
- **Siting considerations for commercial leasing**
- **Additional research and data needs**
- **Best practices for mitigation, minimization, and communication**

Gulf of Maine Intergovernmental Renewable Task Force





For More Information

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