



GOVERNOR'S Energy Office

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Regional Transmission Initiative Technical Meeting

October 7, 2022



Maine's Climate and Clean Energy Targets

REDUCE MAINE'S
GREENHOUSE GAS EMISSIONS

45%

BELOW 1990 LEVELS
BY 2030

80%

BELOW 1990 LEVELS
BY 2050

RENEWABLE PORTFOLIO
STANDARD REQUIREMENTS

80%

BY 2030

100%

BY 2050

ACHIEVE CARBON
NEUTRALITY BY

2045



RENEWABLE PORTFOLIO STANDARD

LD 1494 - An Act To Reform Maine's
Renewable Portfolio Standards (RPS)
Enacted and Signed on June 26, 2019

Increased Maine's renewable portfolio standard to 80% by 2030, up from 40%, with a goal of 100% by 2050

Required Maine Public Utilities Commission to procure 14% of Maine load via long-term contracts; 70% ratepayer benefits & 30% economic benefit

Resulted in **24 projects** selected at competitive prices

Renewable Energy Goals Market Assessment -
February 2021

- 800-900 MW of new resources needed by 2030
- Transmission needed to unlock high potential areas
- Resource diversity

NORTHERN MAINE RENEWABLE ENERGY DEVELOPMENT PROGRAM

LD 1710 - An Act To Require Prompt and Effective Use of the Renewable Energy Resources of Northern Maine

Enacted and Signed on June 29, 2021

Established the Northern Maine Renewable Energy Development Program to remove obstacles and promote development of substantial renewable energy resources in northern Maine.

Procurement of transmission and generation by Maine Public Utilities Commission, 18% of state load. Considers cost, economic benefits, and renewable energy goals, and avenue for regional coordination. Decision expected by November 2022.



Offshore Wind is an Opportunity
for Maine to:



Fight Climate
Change



Harness Renewable
Energy



Create Jobs & Economic
Growth



Sustain Maine's Maritime
Heritage



About the Initiative

Planning & Stakeholder Engagement

- Maine Offshore Wind Roadmap
- Ports Studies & Stakeholder Group

Research & Innovation

- University of Maine Demonstration Project
- Gulf of Maine Research Array
- Maine Offshore Wind Research Consortium

Policy & Legislation

- Bipartisan legislation supporting Research Array, Research Consortium, and prioritizing federal waters for commercial OSW

Partnerships

- University of Maine
- Regional Wildlife Science Consortium for OSW
- National Offshore Wind R&D Consortium
- Responsible Offshore Science Alliance
- Business Network for Offshore Wind
- MOU with United Kingdom



Maine
Offshore Wind
Initiative

How Maine is Creating a Roadmap

The Maine Offshore Wind Roadmap is supported by a \$2.16 million federal Economic Development Agency Grant awarded to GEO in 2020.

96

Members of Working Groups and the Advisory Committee building the Roadmap

50+

Working Group and Advisory Committee meetings from July 2021 - April 2022

Technical Studies

- Supply Chain Opportunity Assessment
- Maine and New England Energy Analysis
- Ports Infrastructure Studies
- Workforce Development
- Socioeconomic Analysis
- Transmission Analysis

maineoffshorewind.org





A scenic landscape featuring a dense forest of evergreen trees on the left and right sides. A river or stream winds its way through the forest, eventually leading to a larger body of water, possibly a lake or a wide river, visible in the distance. The sky is overcast with white and grey clouds.

Thank You

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