



# GOVERNOR'S Energy Office

Ethan Tremblay

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.



# Maine Offshore Wind Initiative

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](https://maineoffshorewind.org)





# Thank You

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