2017 Maine Electricity Generation

- **Total Generation**: 11,264,270 MWh
- **75% Renewables**:
  - **Hydroelectric**: 30%
  - **Wood & Wood Derived Fuels**: 22%
  - **Wind**: 21%
  - **Natural Gas**: 20%
  - **Other Biomass**: 4%
  - **Other**: 2%
  - **Petroleum**: 4%
  - **Coal**: 2%

Source: EIA, Electric Power Annual 2017

Maine Governor's Energy Office

2017 Percent of Electricity Consumption (i.e. retail sales), New England

Maine Governor's Energy Office
Source: EIA, SEDS Database
MAINE GEO

GOVERNOR MILLS’ ENERGY & CLIMATE ACTIONS

• Joined the U.S. Climate Alliance
• Announced the Maine Climate Council
• Announced Electric Vehicle Rebate & Infrastructure Programs
• Signed legislation to restore Net Metering
• Ended blanket ban on wind power development
• Withdrew Maine from offshore drilling coalition
• Set goal of 100,000 new heat pumps by 2025
• Created the Office of Policy, Innovation and the Future
MAINE GEORELATIONSHIP  
MAINE CLIMATE COUNCIL & EMISSIONS REDUCTIONS

LD 1679 – Governor’s Bill sponsored by Senator Woodsome (R)

Maine State Climate Plan by 12/1/2020
Establish strategies and initiatives to meet state GHG reductions and renewable energy generation targets

Emissions Reductions:
• 45% GHG reduction below 1990 levels by 2030
• 80% GHG reduction below 1990 levels by 2050

Executive Order
Maine to be carbon neutral by 2045
Maine CO2 Emissions By End Use Sector, 2016

- **Electricity**: 54%
- **Residential**: 18%
- **Commercial**: 10%
- **Industrial**: 9%
- **Transportation**: 9%

Source: EIA

Maine Governor's Energy Office
Over 61% of Maine households rely on heating oil as their primary heat source.
HEATING & TRANSPORTATION

HEATING

LD 1766: Sponsored by Senator Lawrence (D)
• 100,000 new heat pumps by 2025
• Efficiency Maine Trust (EMT) and Maine State Housing

TRANSPORTATION

VW Settlement
• $21 million for various initiatives including charging infrastructure via EMT

VW Settlement won by AG Mills
• $5.1 million
• EMT Electric Vehicle Accelerator Program:
  • $1,000 to $2,000 rebates for plug-in hybrids and battery electric vehicles
Sponsored by Senator Vitelli (D)

- Increases **RPS to 80 percent** by 2030, up from 40 percent, and a goal of **100% by 2050**
- Requires Maine PUC to procure 14% of Maine load via long-term contracts (20 years) for Class 1 and 1A
- Creates new **thermal REC (TREC)**
- Cost containment mechanisms
C&I Net Energy Billing Program
• Non-residential customers
• Tariff rate = Standard Offer + 75% T&D

Declining Block Programs
• 125 MW of C&I
  • 25 MW blocks
• 250 MW of ‘shared distributed generation resources’
  • 50 MW blocks
  • Low/moderate income household participation

• PUC required to adopt consumer protections
OFFSHORE WIND
OFFSHORE WIND

Maine Aqua Ventus
- First of its kind floating platform technology
- Demonstration project in state waters
- $45 million in US DOE support

LD 994 Sponsored by Senator Woodsome (R)
- Required the PUC to approve contract
- Approved on November 5, 2019
OFFSHORE WIND

Joined **BOEM Gulf of Maine Intergovernmental Renewable Energy Task Force** with New Hampshire and Massachusetts

**Maine Offshore Wind Initiative**

Governor Mills directed the creation of a state-based initiative

- Provide opportunities for valuable stakeholder input and inform the State’s participation in the BOEM Task Force
THANK YOU!

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