



MAINE

GOVERNOR'S ENERGY OFFICE

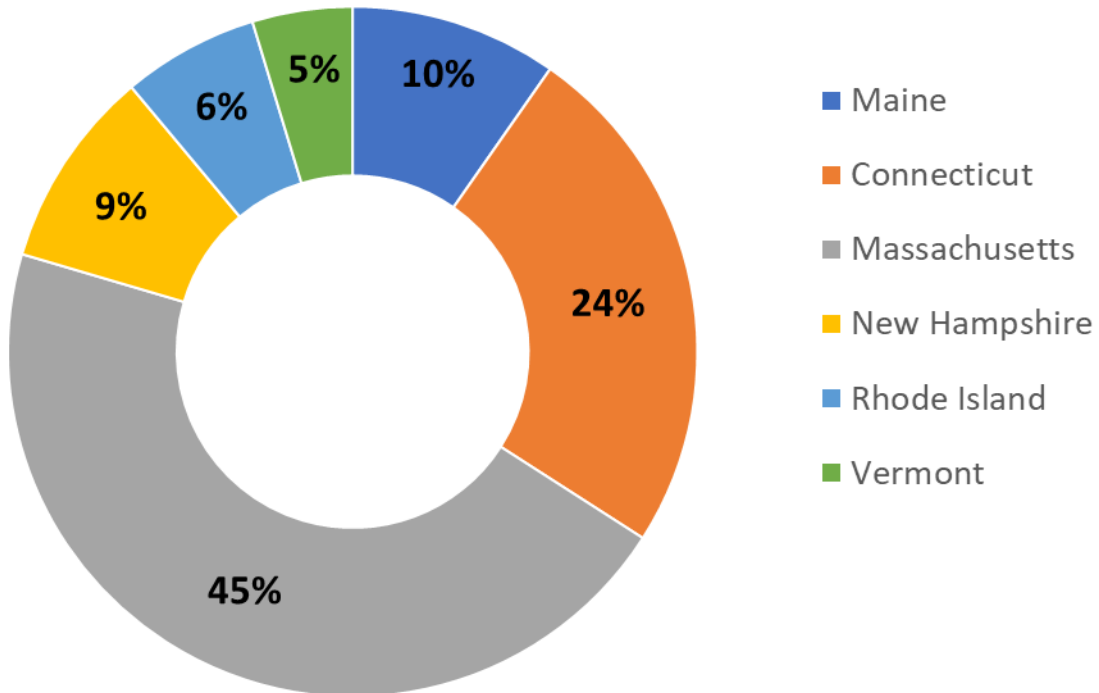
MELISSA WINNE

ENERGY POLICY ANALYST



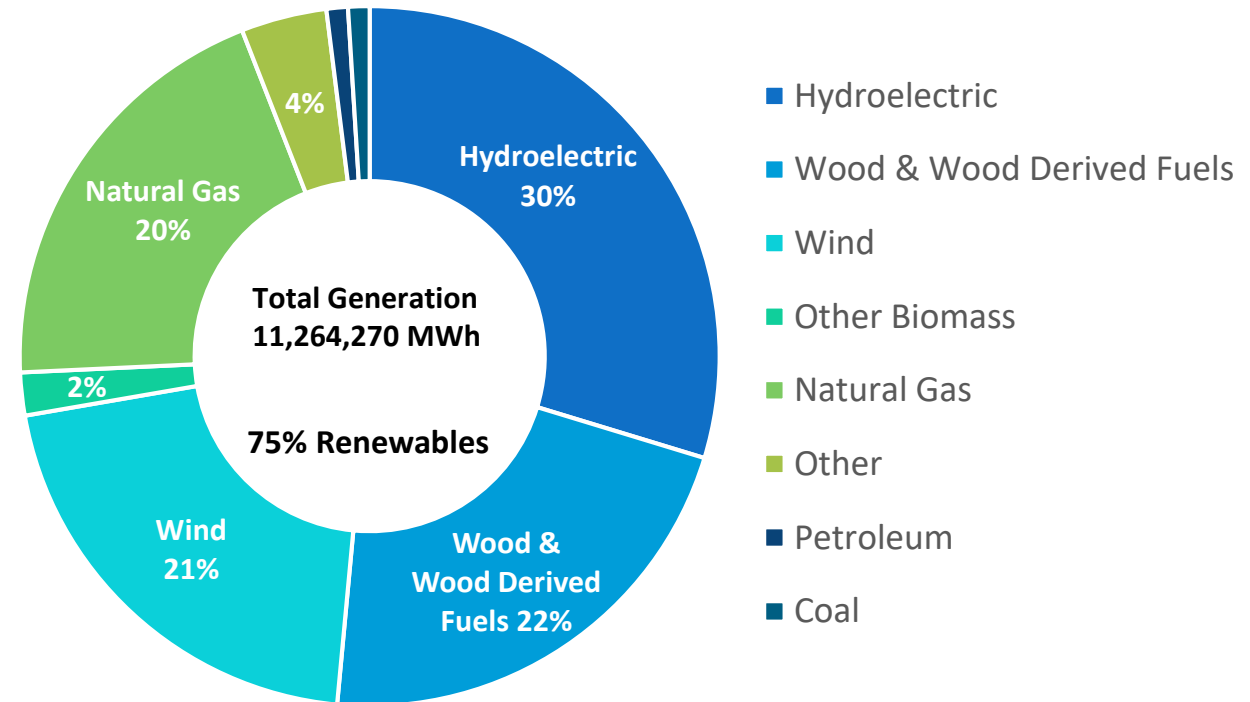
ELECTRICITY PROFILE

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



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

2017 Maine Electricity Generation



Maine Governor's Energy Office
Source: EIA, Electric Power Annual 2017



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 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

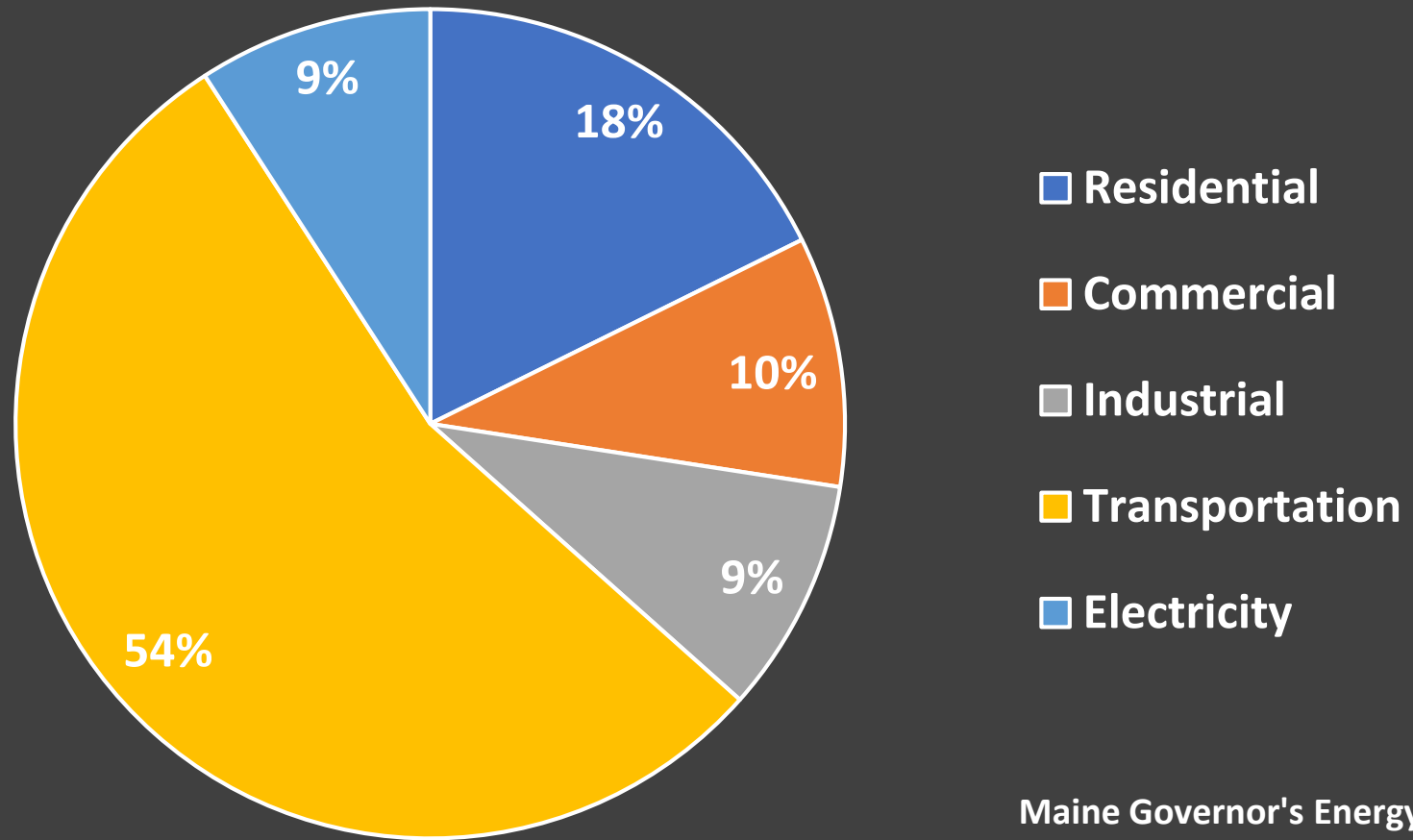
Maine to be **carbon neutral by 2045**





EMISSIONS

Maine CO2 Emissions By End Use Sector, 2016



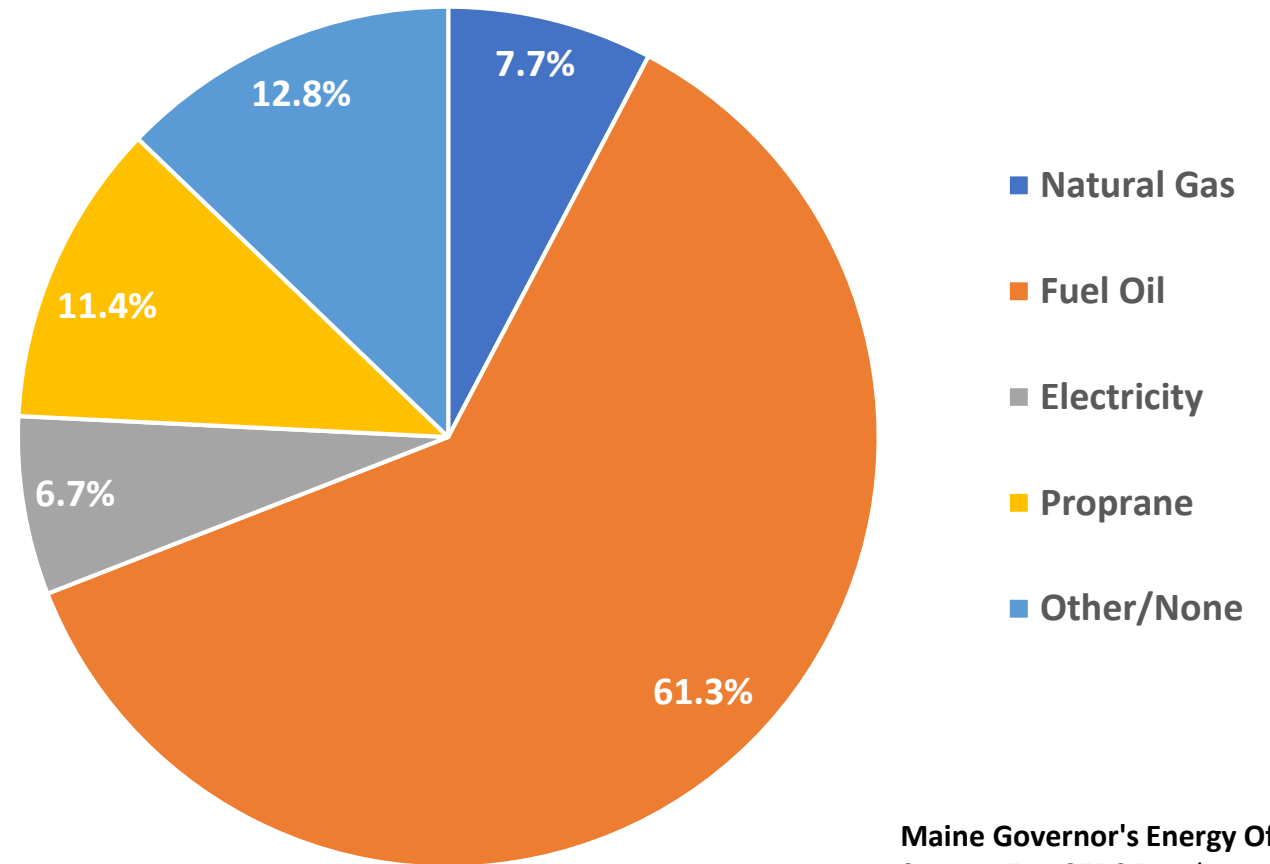
Maine Governor's Energy Office
Source: EIA



HEATING

Over 61% of Maine households rely on heating oil as their primary heat source

Energy Source Used for Home Heating, Percent of Households, Maine, 2017



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



HEATING & TRANSPORTATION

Photo Source: ReVision Energy

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

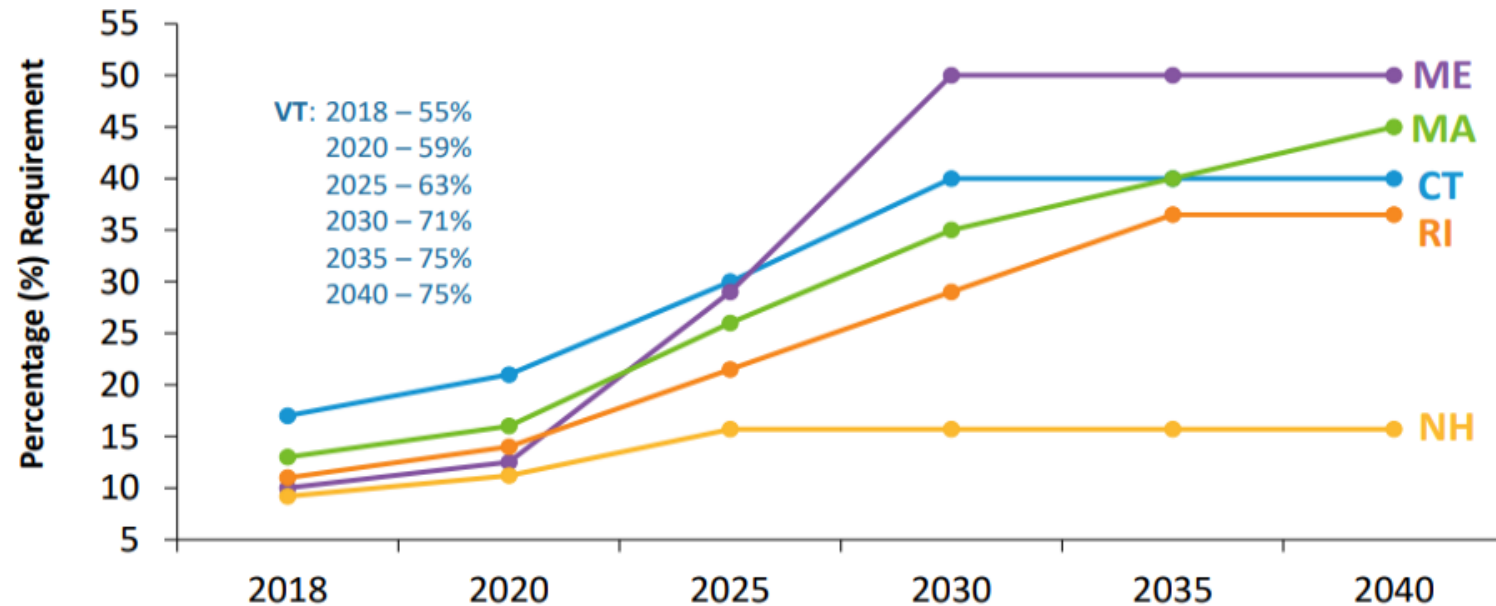
- \$5.1 million
- EMT Electric Vehicle Accelerator Program:
 - \$1,000 to \$2,000 rebates for plug-in hybrids and battery electric vehicles



RENEWABLE PORTFOLIO STANDARD (LD 1494)

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 I and IA
- Creates new **thermal REC (TREC)**
- Cost containment mechanisms





SOLAR AND DG – LD 1711

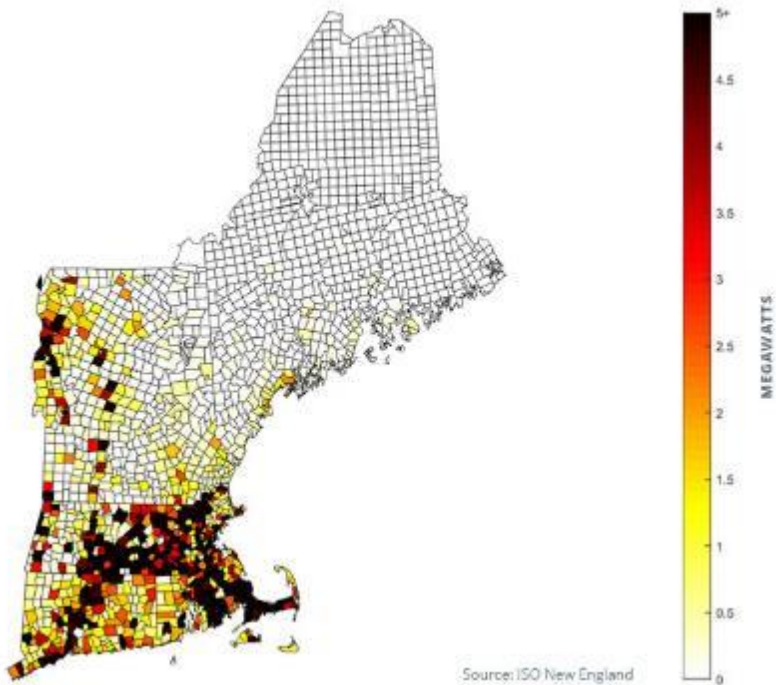
C&I Net Energy Billing Program

- 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**

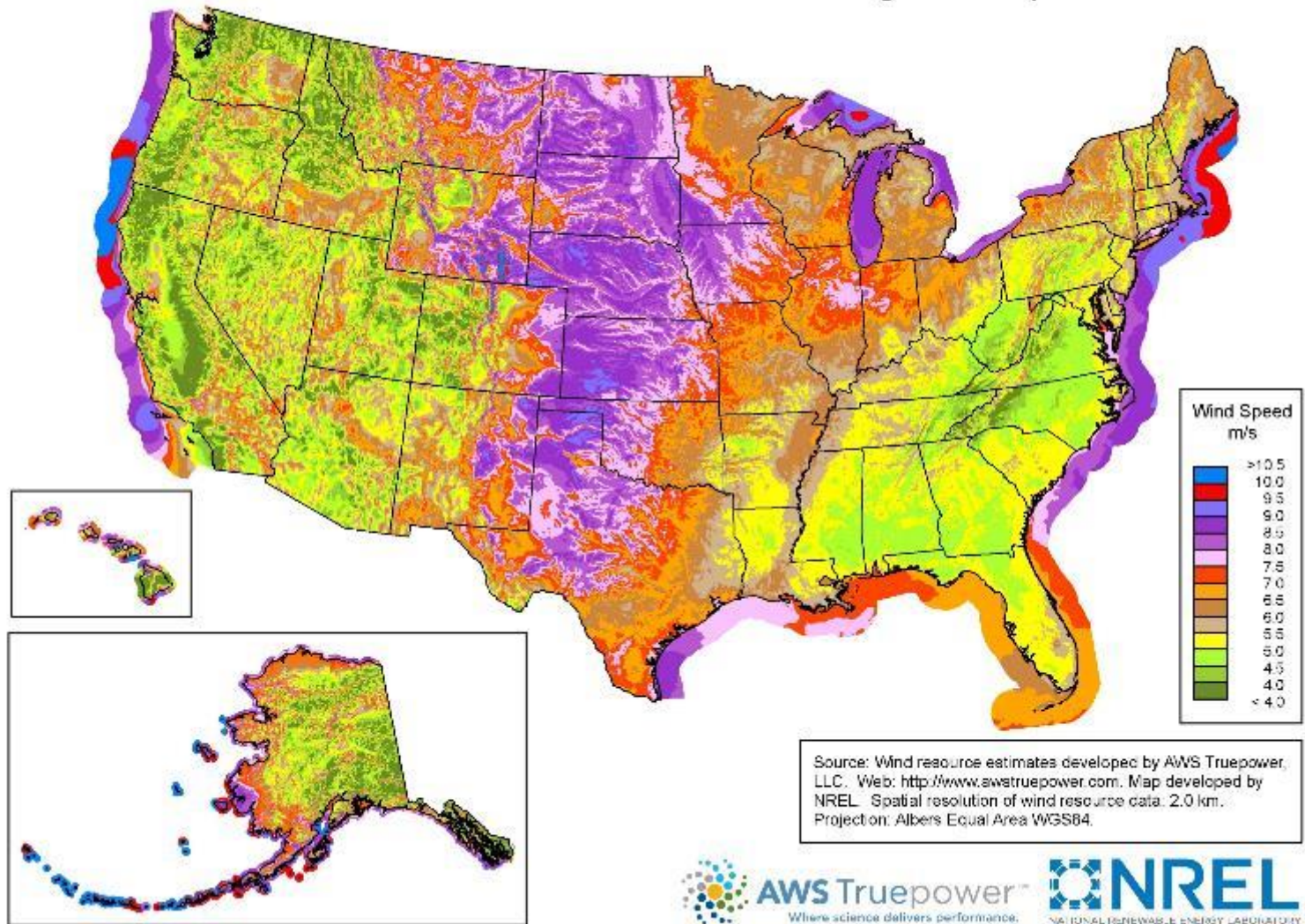
Installed Behind-the-Meter Solar Power by Town
(Nameplate Capacity through December 31, 2017)





OFFSHORE WIND

United States - Land-Based and Offshore Annual Average Wind Speed at 100 m





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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