

New England Restructuring Roundtable

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What's Happening in Maine

Focus on Renewables:

- Aggressive Renewable Energy Goals
- Increased Renewable Portfolio Standard
- Promoting Solar Generation

Beneficial Electrification

- Heat Pumps
- Electric Vehicles
- Pilot Projects

Renewable Energy Goals:

(Signed into law 6/26/19)

80% of retail electricity sales by 2030

100% of retail electricity sales by 2050

Decarbonization Goal:

(Exec. Order 9/23/19)

Maine to be carbon neutral by 2045

Renewable Portfolio Standard

Current: 30% Class II (mostly hydro), 10% Class I (in service > 9/1/05)

New Class IA: 2.5% in 2020 → 40% by 1/1/30

New Thermal Renewable Energy Requirement: 0.4% in 2020 → 4% by 2029

Thermal energy “produced directly by a facility using sunlight, biomass, biogas or liquid biofuel or produced as byproduct of electricity generated by a Class I or Class IA resource” that begins operation after 6/30/19 and is delivered to an end user in state.

Competitive Procurement for 14% of 2018 retail electricity Sales

- 2 solicitations: one in 2020, one in 2021
- 20-year contracts, factor in economic benefits
- 75% from renewable resources w/ commercial operation > 1/30/19
- energy storage can bid

Solar Energy Law

Net Energy Billing

- Increased size of systems up to 5 MW
- Multiple customers with shared financial interest in same DER
- New commercial and institutional program with tariff = standard offer rate plus 75% T&D rate

Distributed Generation Procurement

- 375 MW by 7/1/24
- Competitive bidding with declining block pricing (5 blocks)
- 20-year contracts

Beneficial Electrification

Heat Pumps

- Goal: install 100,000 heat pumps over 5 years
- Funded w/ EMT forward capacity mkt revenues and LIHEAP funds

Electric Vehicles

- EMT will use VW settlement funds (\$5.1 million)
- Credits for 900 new EVs (will double EVs on road in ME)
- Financial incentives program for public agencies/organizations
- Building network of fast-chargers along major highways

RFP for Pilot Programs

- Recently issued—proposals due 12/1/19
- Wide open—anything related to beneficial electrification can bid
- e.g., EV fast chargers and those making use of load management; customer engagement/awareness programs

Looking Ahead

Innovative Rate Design

- Take advantage of AMI infrastructure already deployed statewide
- Maximize use of renewables when produced
- Can we develop TOU rate options that will appeal to customers?
- Coordinate with smart appliances/smart networks in homes/businesses

Non-Wires Alternatives

- Maine getting first NWA coordinator housed in Office of Public Advocate
- How to manage changing demands on T&D systems?

Impacts of Climate Change

- Preparing for severe storms more frequently
- Building more resiliency into our T&D systems