The region’s capacity market is attracting investment
Roughly 2,500 MW of natural gas, wind, solar, and hydro resources have cleared in recent Forward Capacity Auctions with commitments to be available in 2019–2021, and 8,700 MW of new resources qualified to compete in the February 2019 auction for resources needed in the 2022–2023 timeframe.

New Resources Will Be Needed
Retired, or announced retirement, since 2013 (MW)

New England is losing non-gas-fired resources
More than 5,200 MW of generating capacity (primarily coal, oil, and nuclear) have retired or announced plans to retire since 2013, and more retirements are likely.

New England is expanding market opportunities
Effective June 1, 2018, demand resources have further opportunities to participate in the wholesale electricity markets.

EE and solar PV are reducing demand growth
State-sponsored energy-efficiency and behind-the-meter solar PV resources are slowing the growth rate for summer peak demand and flattening overall electricity demand for the 7.2 million retail electricity customers in New England.

Electricity Demand Growth Has Slowed in New England
Compound annual growth rates for peak demand and overall electricity use, net of energy efficiency and solar photovoltaics (PV), 2018–2027

Source: ISO-NE Status of Non-Price Retirement Requests and Retirement De-list Bids
Source: ISO-NE 2019-2020 Capacity Commitment Period Forward Capacity Auction Obligations
State Renewable Portfolio Standards Are Rising

Class I or new renewable energy resources (%)

- VT: 2018 – 55%
- 2020 – 59%
- 2025 – 63%
- 2030 – 71%
- 2035 – 75%
- 2040 – 75%

All six New England states have renewable energy standards
Electricity suppliers are required to provide customers with increasing percentages of renewable energy to meet state requirements.

*Vermont’s standard recognizes new and existing renewable energy and is unique in classifying large-scale hydropower as renewable.

ISO-NE Forecasts Strong Growth of Solar PV Resources

Values are alternating current (AC) nameplate capacity (MW)

New England states promote behind-the-meter solar PV
ISO-NE reduces the level of capacity to be procured in the Forward Capacity Auction to account for state policies promoting behind-the-meter solar PV.

New England states invest billions in energy efficiency
The six states invested $4.9 billion from 2011 to 2016, and the ISO projects an additional $10.5 billion investment from 2019 to 2027.

State Goals Seek Deep Reductions in CO₂ Emissions

Percentage reduction in greenhouse gas (GHG) emissions below 1990 levels by 2050*

States pursue multiple approaches to reduce GHG emissions
New England states are promoting GHG reductions on a state-by-state basis and at the regional level, through a combination of legislative mandates (e.g., CT, MA, RI) and aspirational goals (e.g., ME, NH, VT, and NEG-ECP).

New England States Lead US Energy-Efficiency Rankings

New England ranks among top states in US

About ISO New England

Created in 1997, ISO New England is the independent, not-for-profit corporation responsible for the reliable operation of New England’s electric power generation and transmission system, overseeing and ensuring the fair administration of the region’s wholesale electricity markets, and managing comprehensive regional electric power planning.