



NORTHEAST ENERGY EFFICIENCY PARTNERSHIPS

Northeast Energy Efficiency Snapshot

Energy Efficiency Policy By the Numbers

Fall 2014

AN OVERVIEW OF ENERGY EFFICIENCY POLICY IN THE NORTHEAST STATES



The Snapshot is a brief overview of energy efficiency policy by the numbers in New England, New York, and the Mid-Atlantic regions. It includes charts on:

- State Energy Efficiency Policies and Savings Goals
- Region-wide Energy Efficiency Expenditures, 2008-2014
- Energy Efficiency Expenditures by State: 2010-2014
- Electric Energy Savings vs. Goals, 2010-2013
- Natural Gas Savings, 2010-2013
- ISO-New England Energy Efficiency Forecast & Transmission Costs

EFFICIENCY POLICIES—NEW ENGLAND



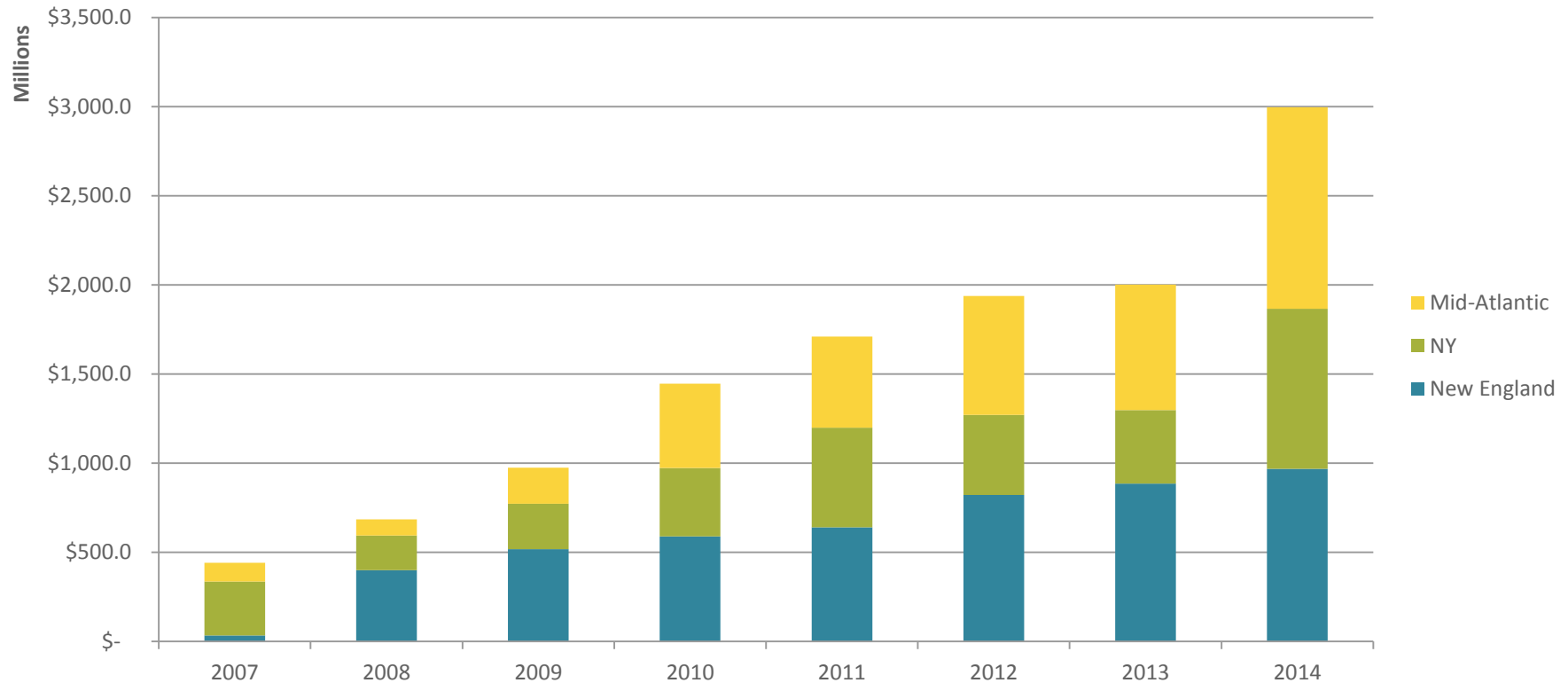
State	Policy Type	Program Administrator	Energy Savings Goals
Connecticut	All Cost-Effective Energy Efficiency	Electric & Gas Utilities	~1.4% of electric sales
Maine	All Cost-Effective Energy Efficiency	Efficiency Maine	~1.5% of electric sales by 2016
Massachusetts	All Cost-Effective Energy Efficiency	Electric & Gas Utilities + CLC	2.6% of electric & 1.14% of natural gas sales annually by 2015
New Hampshire	Program Funding Only	Electric & Gas Utilities	<i>No mandated savings goals</i>
Rhode Island	All Cost-Effective Energy Efficiency	Electric & Gas Utilities	2.6% of electric & 1.1% of natural gas sales annually by 2017
Vermont	All Cost-Effective Energy Efficiency	Energy Efficiency Utilities	2.1% of electric sales annually by 2017

EFFICIENCY POLICIES—NY AND MID-ATLANTIC



State	Policy Type	Program Administrator	Energy Savings Goals
Delaware	All Cost-Effective Energy Efficiency	Utilities+ Sustainable Energy Utility	<i>~In Progress</i>
District of Columbia	<i>N/A</i>	Sustainable Energy Utility	<i>N/A</i>
Maryland	Energy Efficiency Resource Standard	Electric Utilities	15% of per capita electric use by 2015
New Jersey	<i>Efficiency Funding Only</i>	Office of Clean Energy + Utilities	<i>No mandated savings goals</i>
New York	Energy Efficiency Portfolio Standard	NYSERDA + Utilities	15% of electric & natural gas sales by 2015
Pennsylvania	Energy Efficiency Resource Standard <i>Funding Capped</i>	Electric Utilities	0.75% of electric sales annually through 2015

ENERGY EFFICIENCY INVESTMENTS IN THE NORTHEAST, 2007-2014*

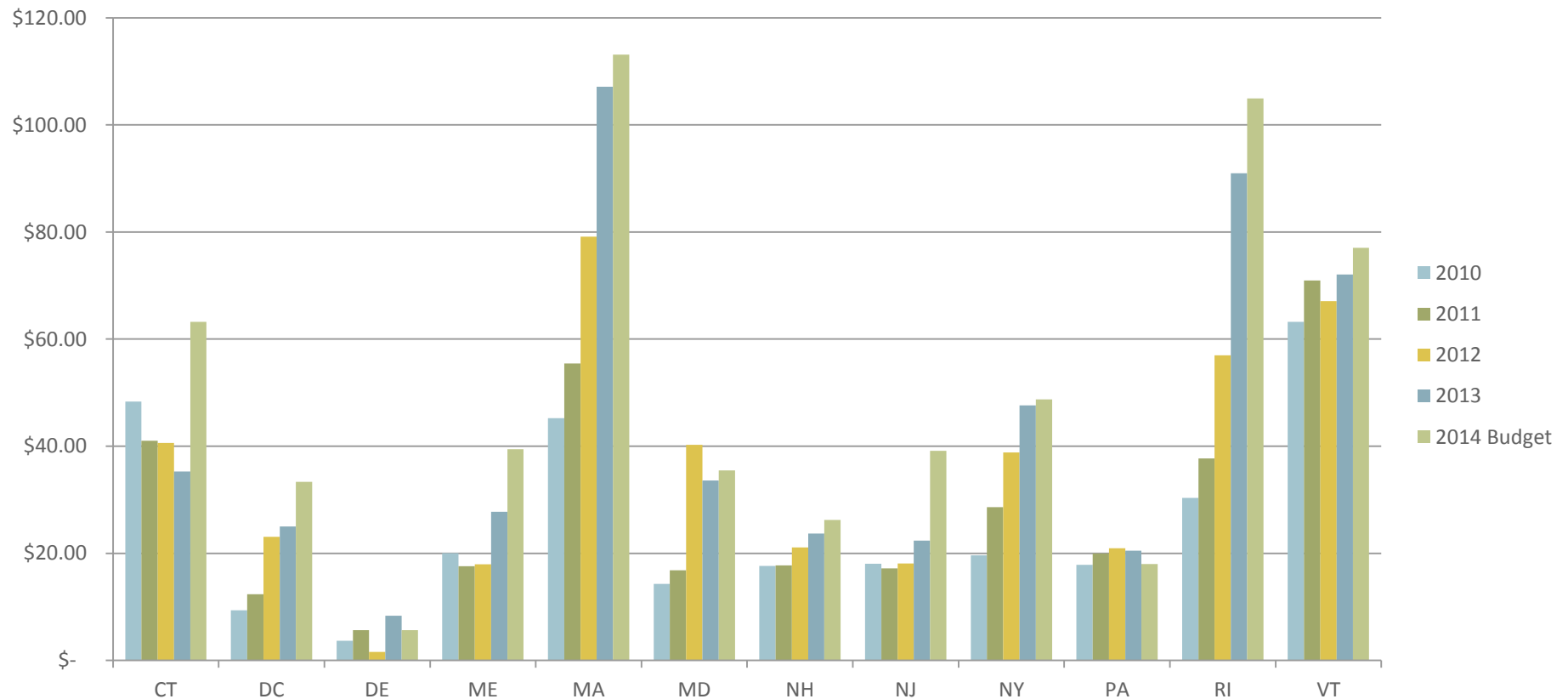


Energy Efficiency investments in New England, New York, and the Mid-Atlantic states continue to hover around \$2 billion per year in the region. Budgets increased significantly, though they have levelled off in many states.

Expenditures include all electric and natural gas ratepayer funding and funding from RGGI and wholesale markets like the Forward Capacity Market. Data is taken from a number of sources, including NEEP's [REED database](#), [EIA File 861](#), and [ISO-New England's EE Forecast](#). 2007 to 2013 are year-end reported data while 2014 expenditures are forecasted data that are subject to change. NY's budgets and expenditures have had significant gaps in recent years, so the 2014 spending figure is likely to be much lower than the budgeted figure above.

STATE SPENDING ON ENERGY EFFICIENCY

COMPARISON OF 2010 TO 2014 PER CAPITA PROGRAM SPENDING

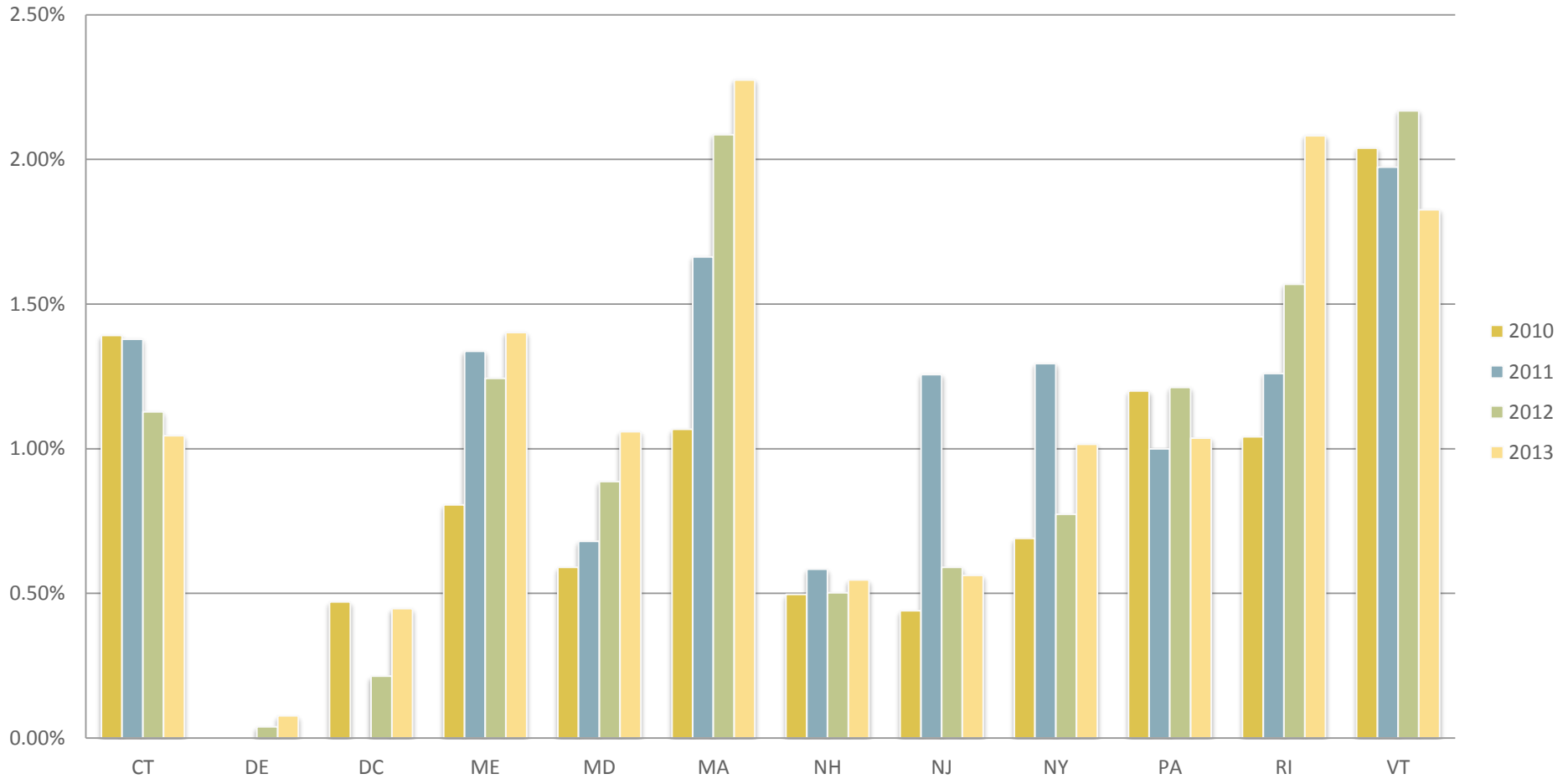


Efficiency investments are rising in many states in New England and in the Mid-Atlantic. 2014 continues the trend towards more robust investments in energy efficiency. The region average has growth to over \$40 per person.

Expenditures include all electric and natural gas ratepayer funding and funding from RGGI and wholesale markets like the Forward Capacity Market.. 2010-2013 are year-end reported data while 2014 expenditures are forecasted data that are subject to change. Population figures are taken from the U.S. Census Bureau via Google.

ELECTRIC SAVINGS, 2010-2013

ELECTRIC SAVINGS AS A PERCENTAGE OF STATE RETAIL ELECTRIC SALES

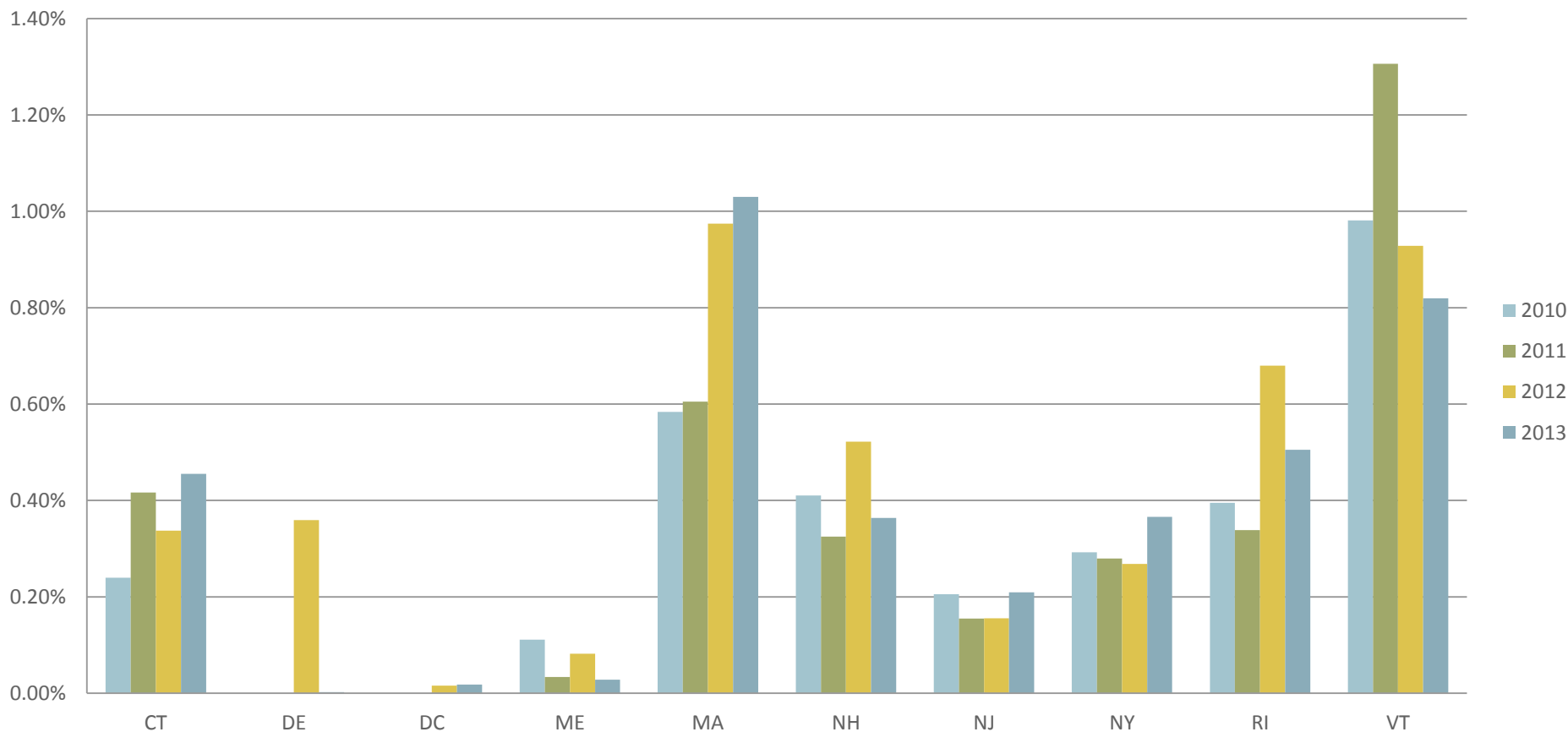


Policy has driven energy efficiency to make up a growing portion of our electricity demand, with leading states achieving savings 2 percent of their annual electric sales.

Electricity savings are taken from NEEP's [REED Database](#), [EIA File 861](#), and the [ISO New England EE Forecast](#). Electricity sales data are taken from the [EIA's State Electricity Profiles website](#). New York and New Jersey figures for 2013 are taken from ACEEE.

NATURAL GAS SAVINGS, 2010-2013

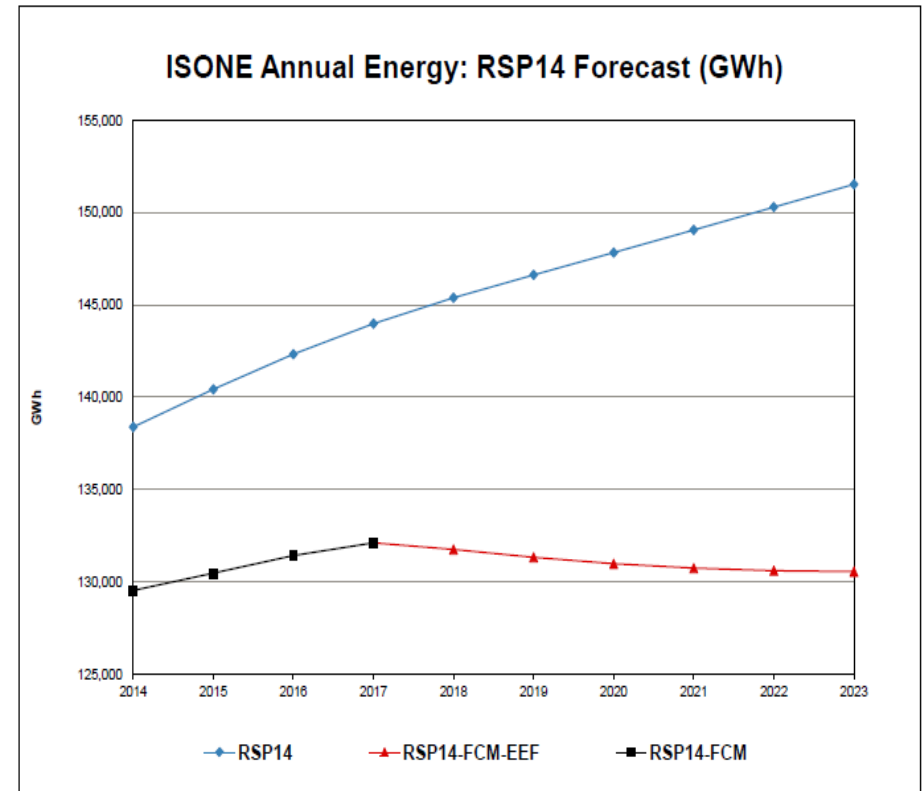
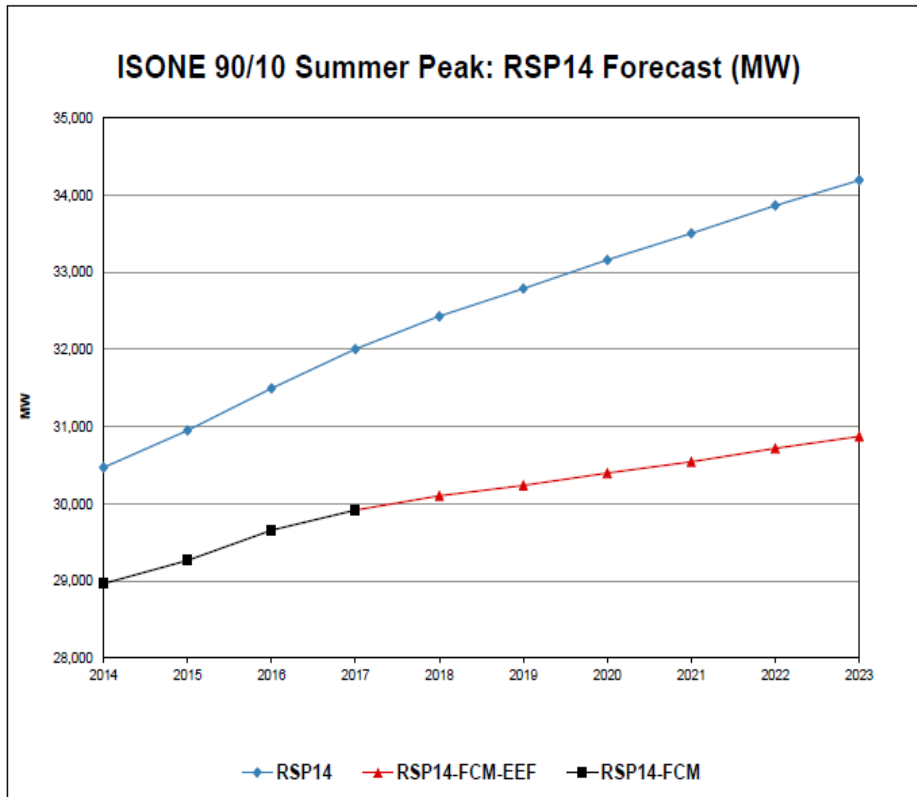
GAS SAVINGS AS A PERCENTAGE OF STATE NATURAL GAS SALES



While natural gas programs are more modest, states aim to achieve savings of 1 percent of retail sales.

Natural gas savings are taken from NEEP's [REED Database](#), [EIA File 861](#), and the [ISO New England EE Forecast](#). Natural gas sales data are taken from the [EIA Natural Gas Consumption by End Use](#) site. New York and Jersey 2013 savings figures are from ACEEE.

ENERGY EFFICIENCY WILL SIGNIFICANTLY REDUCE TRANSMISSION AND SYSTEM COSTS

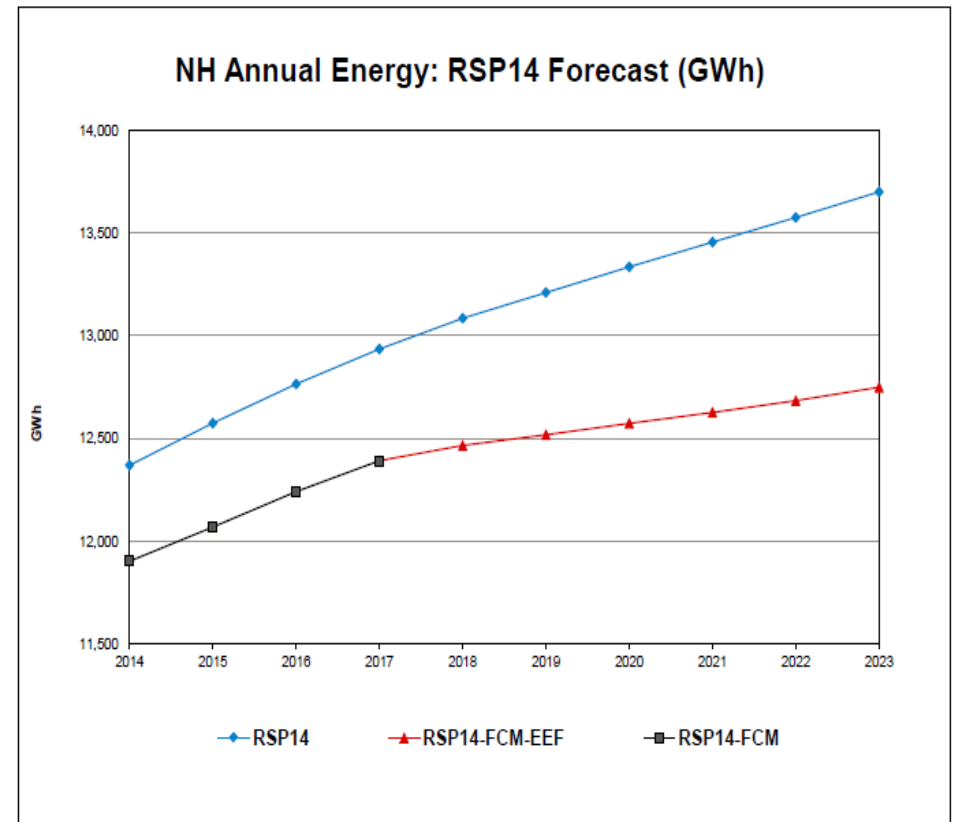
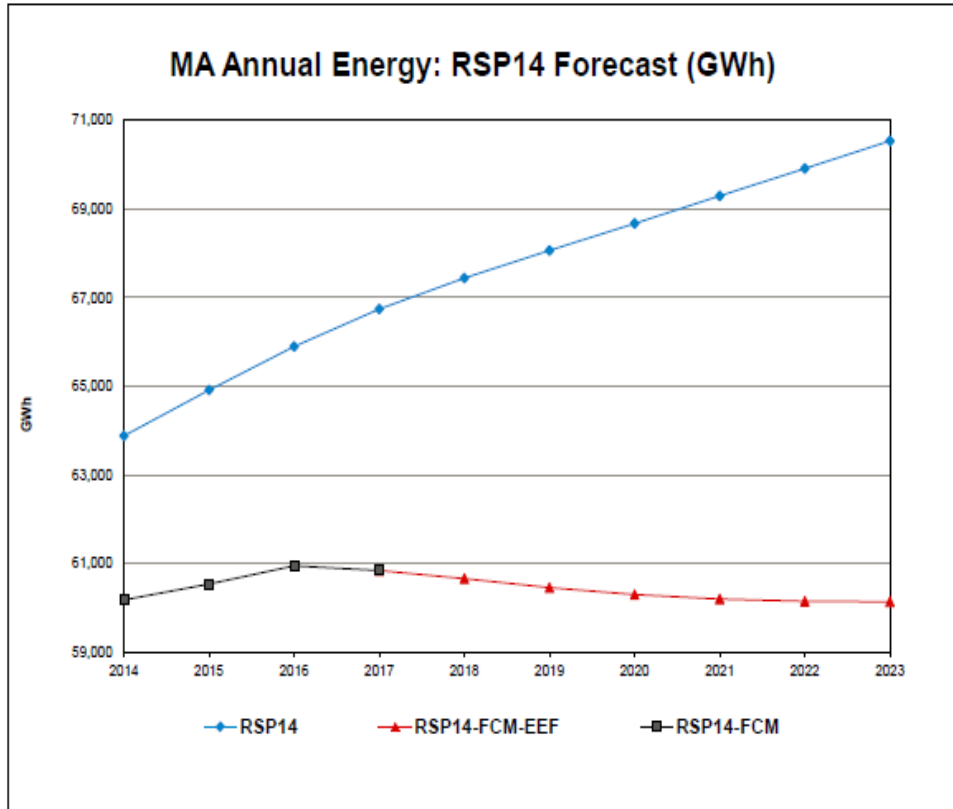


According to ISO-New England, the nearly \$6 billion in planned investments in energy efficiency will significantly curb peak demand and keep electric load growth flat through 2021. These reductions helped create \$400 million savings from deferred transmission upgrades.

ISO New-England, 2014 Energy Efficiency Forecast, : http://www.iso-ne.com/committees/comm_wkgrps/othr/engry_effncy_frcst/2014frcst/iso_ne_final_2014_ee_forecast_2018_2023.pdf

...BUT NOT ALL STATES WILL BENEFIT EQUALLY

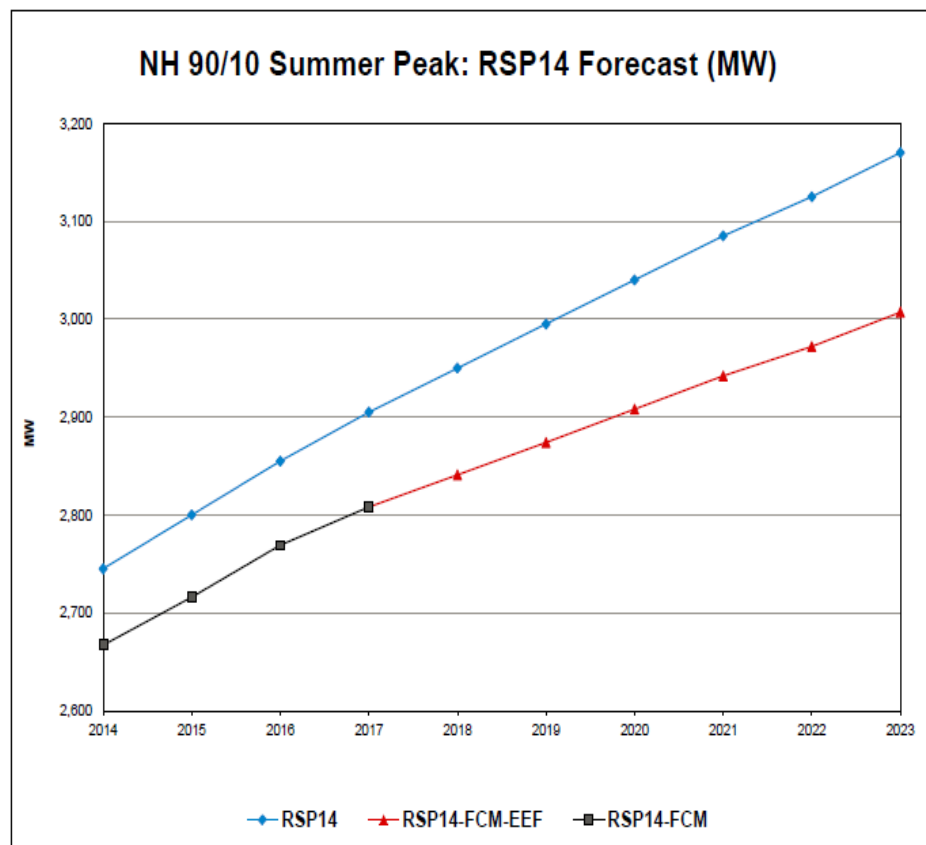
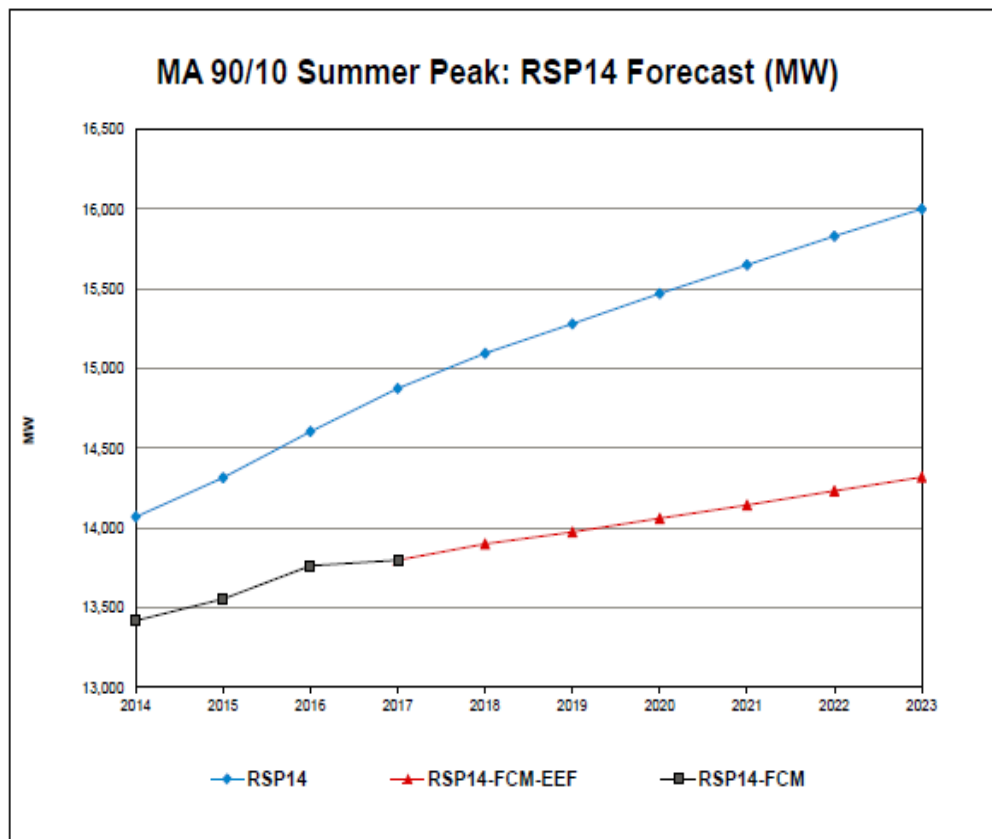
MASSACHUSETTS AND NEW HAMPSHIRE'S PROJECTED LOAD GROWTH



The forecast finds that states, like Massachusetts, that aggressively pursue energy efficiency will see their electricity loads fall significantly, while states with lower levels of investment, like New Hampshire, will not benefit as greatly.

ISO New-England, 2014 Energy Efficiency Forecast, : http://www.iso-ne.com/committees/comm_wkgrps/othr/engry_effncy_frcst/2014frcst/iso_ne_final_2014_ee_forecast_2018_2023.pdf

...AND A SIMILAR STORY FOR PEAK DEMAND



ISO New-England, 2014 Energy Efficiency Forecast, : http://www.iso-ne.com/committees/comm_wkgrps/othr/engry_effncy_frcst/2014frcst/iso_ne_final_2014_ee_forecast_2018_2023.pdf

QUESTIONS?



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