

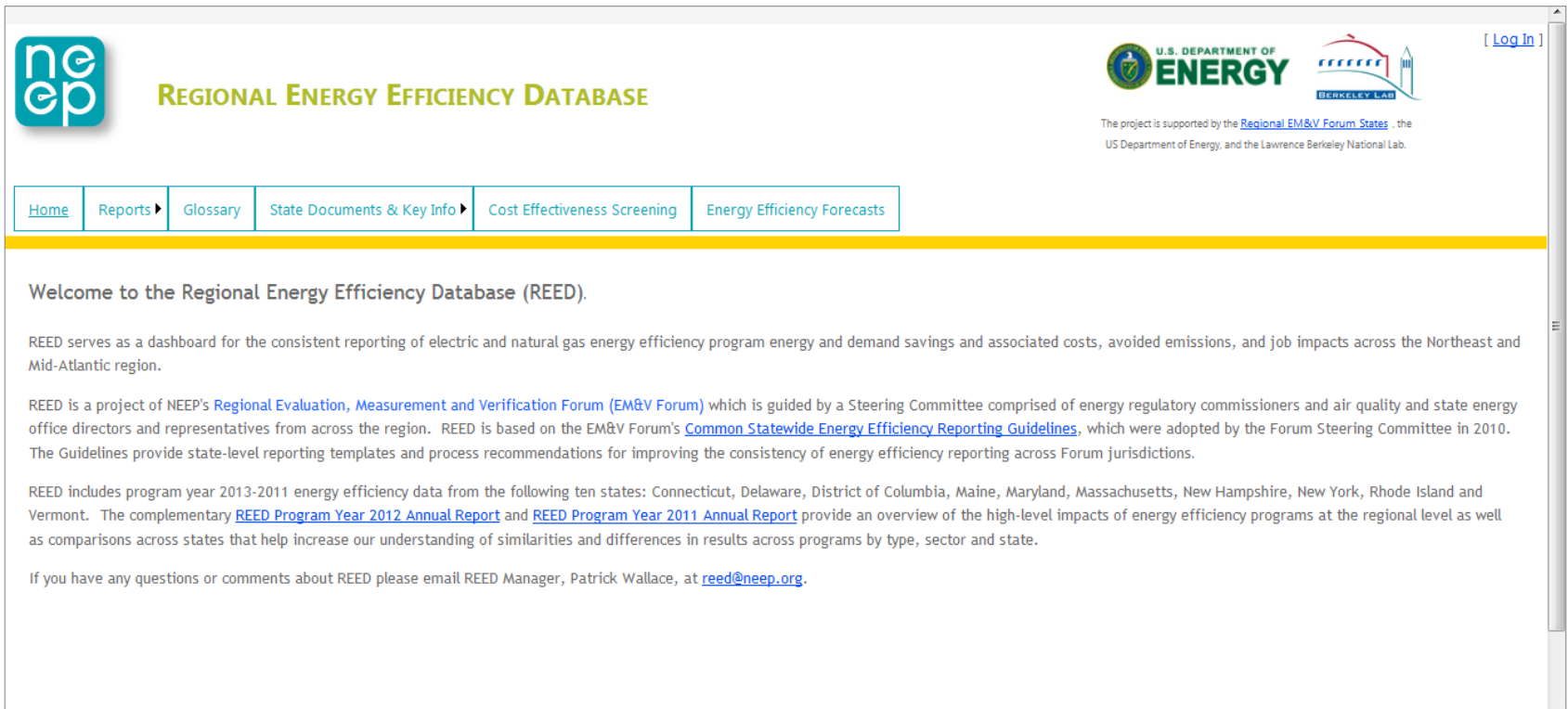


NORTHEAST ENERGY EFFICIENCY PARTNERSHIPS

# Regional Energy Efficiency Database Snapshot

Program Year 2011-2013 Data and Trends

# AN OVERVIEW OF THE REGIONAL ENERGY EFFICIENCY DATABASE (REED)



The screenshot shows the homepage of the Regional Energy Efficiency Database (REED). At the top left is the neep logo. To its right is the title "REGIONAL ENERGY EFFICIENCY DATABASE" in green. On the right side, there are logos for the U.S. Department of Energy and Lawrence Berkeley Lab, along with a "[ Log In ]" link. Below the title is a navigation menu with buttons for "Home", "Reports", "Glossary", "State Documents & Key Info", "Cost Effectiveness Screening", and "Energy Efficiency Forecasts". The main content area begins with a "Welcome to the Regional Energy Efficiency Database (REED)." section, followed by three paragraphs of introductory text and a contact email address.

**neep** REGIONAL ENERGY EFFICIENCY DATABASE

U.S. DEPARTMENT OF ENERGY ENERGY LAWRENCE BERKELEY LAB

[ Log In ]

Home Reports Glossary State Documents & Key Info Cost Effectiveness Screening Energy Efficiency Forecasts

**Welcome to the Regional Energy Efficiency Database (REED).**

REED serves as a dashboard for the consistent reporting of electric and natural gas energy efficiency program energy and demand savings and associated costs, avoided emissions, and job impacts across the Northeast and Mid-Atlantic region.

REED is a project of NEEP's [Regional Evaluation, Measurement and Verification Forum \(EM&V Forum\)](#) which is guided by a Steering Committee comprised of energy regulatory commissioners and air quality and state energy office directors and representatives from across the region. REED is based on the EM&V Forum's [Common Statewide Energy Efficiency Reporting Guidelines](#), which were adopted by the Forum Steering Committee in 2010. The Guidelines provide state-level reporting templates and process recommendations for improving the consistency of energy efficiency reporting across Forum jurisdictions.

REED includes program year 2013-2011 energy efficiency data from the following ten states: Connecticut, Delaware, District of Columbia, Maine, Maryland, Massachusetts, New Hampshire, New York, Rhode Island and Vermont. The complementary [REED Program Year 2012 Annual Report](#) and [REED Program Year 2011 Annual Report](#) provide an overview of the high-level impacts of energy efficiency programs at the regional level as well as comparisons across states that help increase our understanding of similarities and differences in results across programs by type, sector and state.

If you have any questions or comments about REED please email REED Manager, Patrick Wallace, at [reed@neep.org](mailto:reed@neep.org).

# AN OVERVIEW OF THE REGIONAL ENERGY EFFICIENCY DATABASE (REED)



**What is it?:** REED serves as a dashboard for the consistent reporting of electric and natural gas energy efficiency program energy and demand savings and associated costs, avoided emissions, and job impacts across the Northeast and Mid-Atlantic region.

**REED's Purpose:** Develop transparency and consistency in reporting of EE impacts across the region in order to increase the credibility and understanding of the EE resource to support state and regional energy, economic and environmental policies.

**Visit REED** at [www.neep-reed.org](http://www.neep-reed.org)

# REED Data Overview & Trends

Program Year 2013 data from 9 jurisdictions posted to REED in January: CT, DC, DE, MA, MD, NH, NY, RI, VT

## Total Annual Energy Savings:

- Electric = 3,719 GWh
- Gas = 57.4 million therms

## Total Annual Expenditures:

- Electric = \$1.34 billion
- Gas = \$341 million



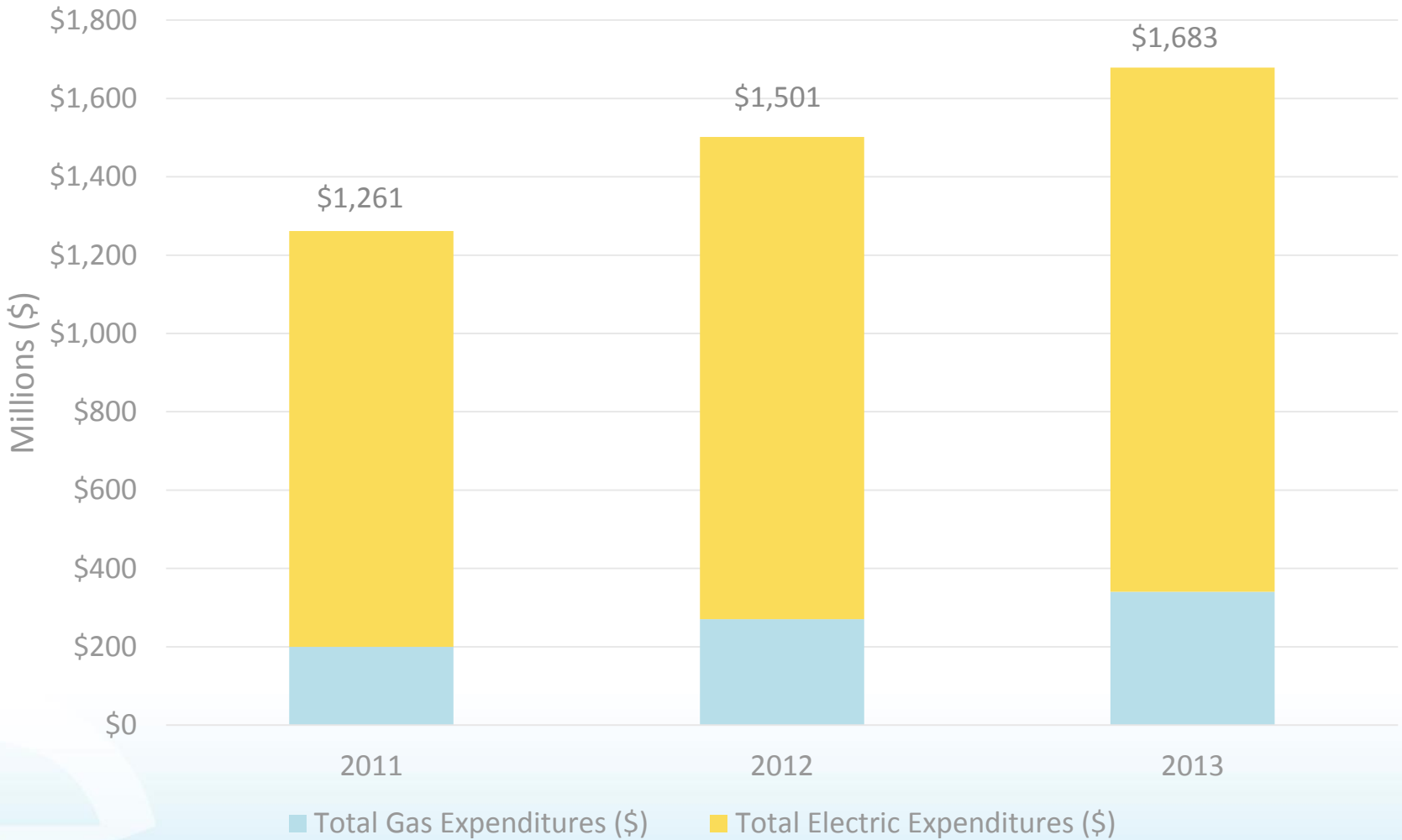
## Levelized Cost of Saved Energy:

- Electric = \$0.037/kWh
- Gas = \$0.42/therm

# REED Data Overview & Trends



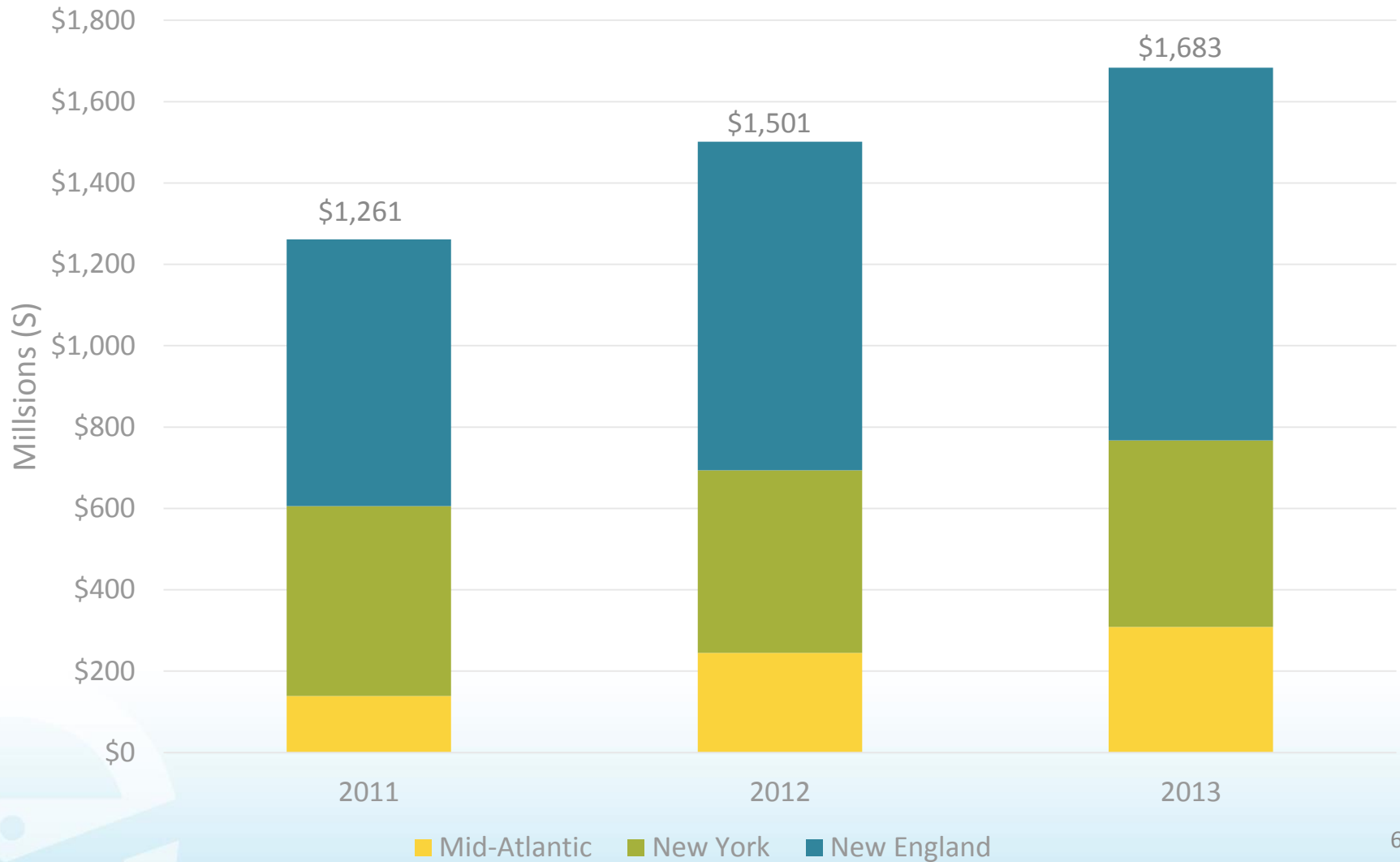
## Total Expenditures by Fuel





# REED Data Overview & Trends

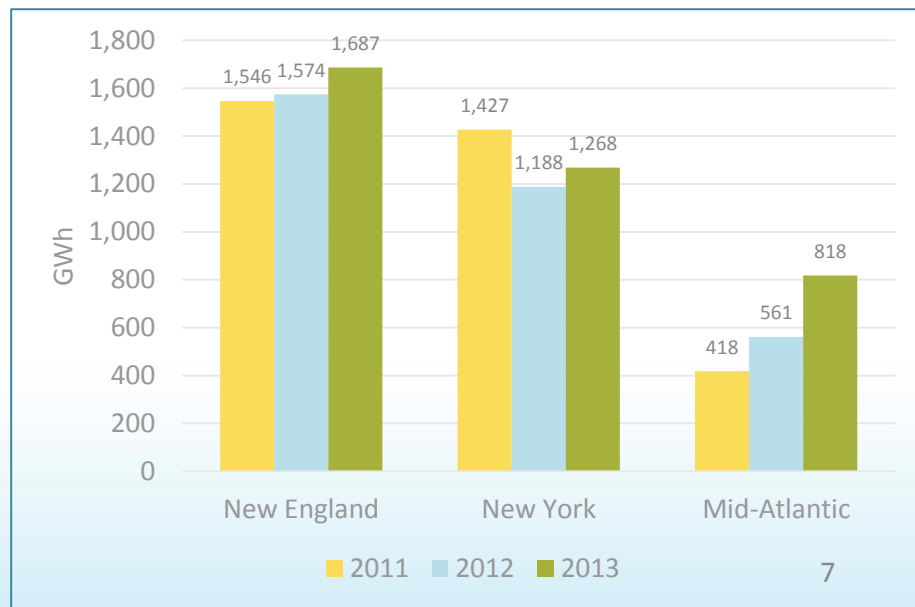
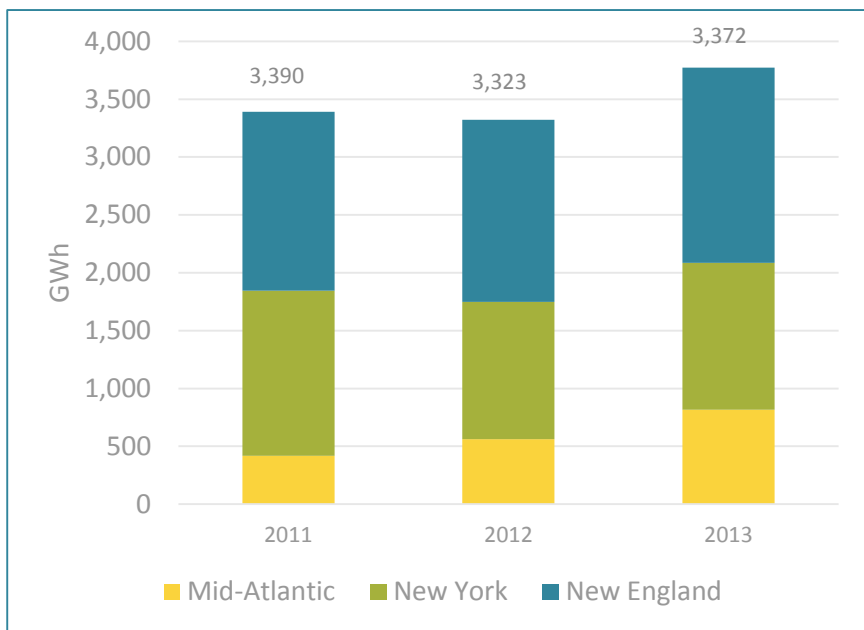
## Total Expenditures by Region





# REED Data Overview & Trends

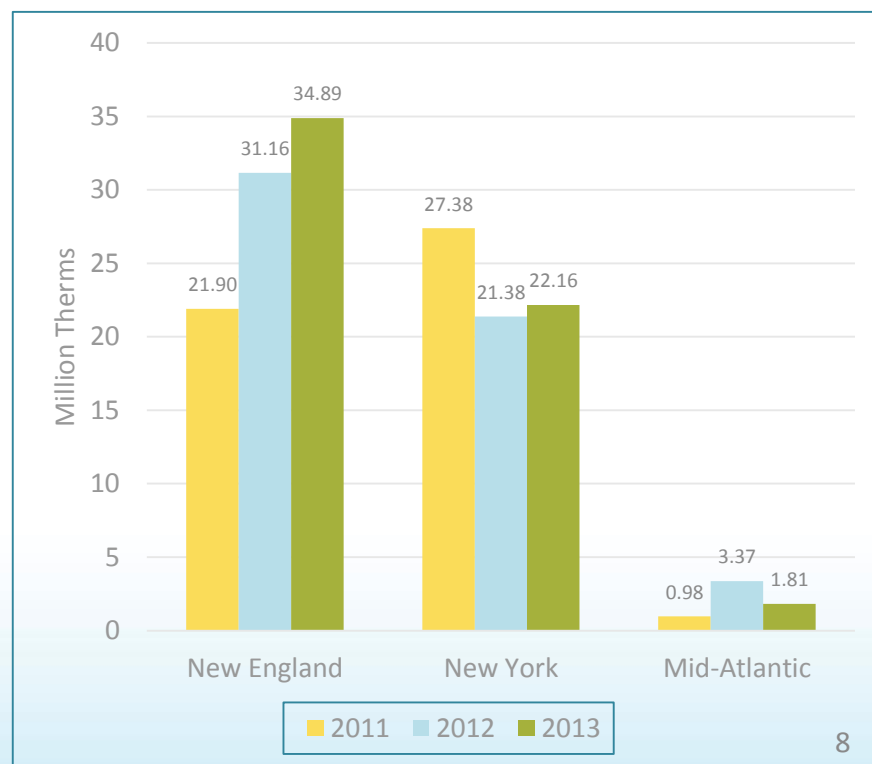
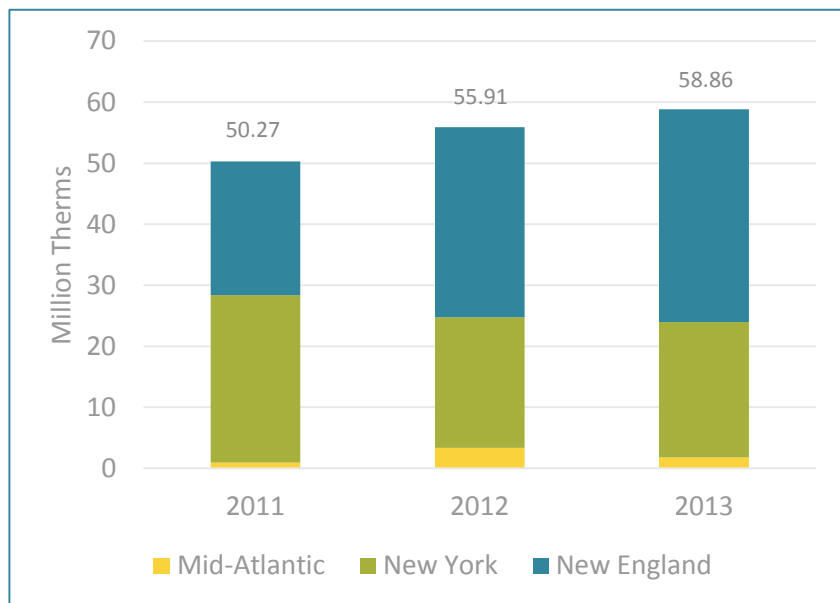
## Total Electric Savings by Region





# REED Data Overview & Trends

## Total Gas Savings by Region

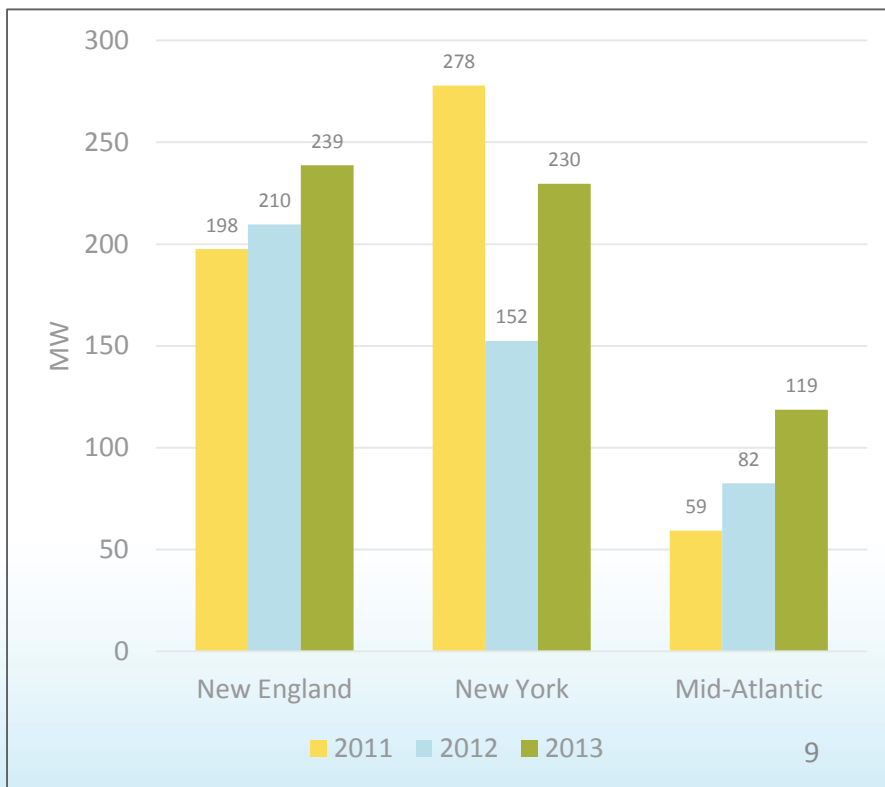
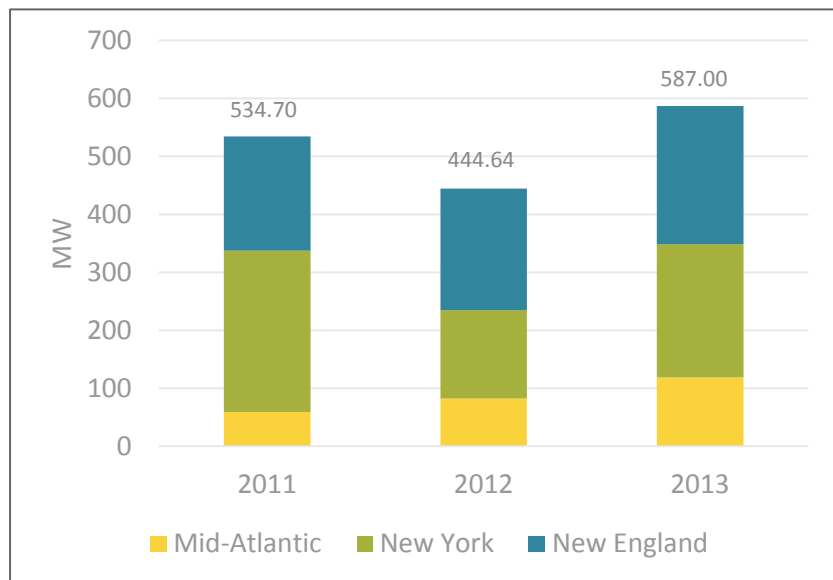






# REED Data Overview & Trends

## Total Demand Savings from EE programs





# REED Data Overview & Trends

## Savings as a Percent of Sales: Electric and Gas

	<i>Electric Savings as Percent of Sales</i>			<i>Gas Savings as Percent of Sales</i>		
	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>
Connecticut	1.27%	1.11%	0.96%	0.28%	0.33%	0.39%
Delaware		0.04%	1.18%		0.36%	
District of Columbia		0.18%	0.41%			
Maine	1.02%			0.31%		
Maryland	0.68%	0.89%	1.04%	0.11%	0.20%	0.15%
Massachusetts	1.69%	2.09%	2.36%	0.77%	1.27%	0.92%
New Hampshire	0.58%	0.50%	0.58%	0.43%	0.88%	0.62%
New York	0.93%	0.78%	0.76%	0.35%	0.30%	0.27%
Rhode Island	1.26%	1.57%	1.93%	0.33%	0.67%	0.81%
Vermont	1.77%	2.17%	1.75%	1.28%	0.91%	0.90%



# REED Data Overview & Trends

## Cost of Saved Energy: Electric and Gas

	<i>Cost of Saved Electric Energy</i>			<i>Cost of Saved Gas Energy</i>		
	2011	2012	2013	2011	2012	2013
Connecticut	\$0.043	\$0.046	\$0.049	\$0.480	\$0.384	\$0.400
Delaware		\$0.019	\$0.000		\$0.022	
District of Columbia		\$0.077	\$0.037			
Maine	\$0.025			\$0.203		
Maryland	\$0.038	\$0.052	\$0.052			
Massachusetts	\$0.032	\$0.043	\$0.042	\$0.605	\$0.544	\$0.646
New Hampshire	\$0.032	\$0.033	\$0.039	\$0.355	\$0.351	\$0.354
New York						
Rhode Island	\$0.039	\$0.044	\$0.044	\$0.348	\$0.484	\$0.539
Vermont	\$0.039	\$0.031	\$0.035	\$0.122	\$0.179	\$0.152



# REED Data Overview & Trends

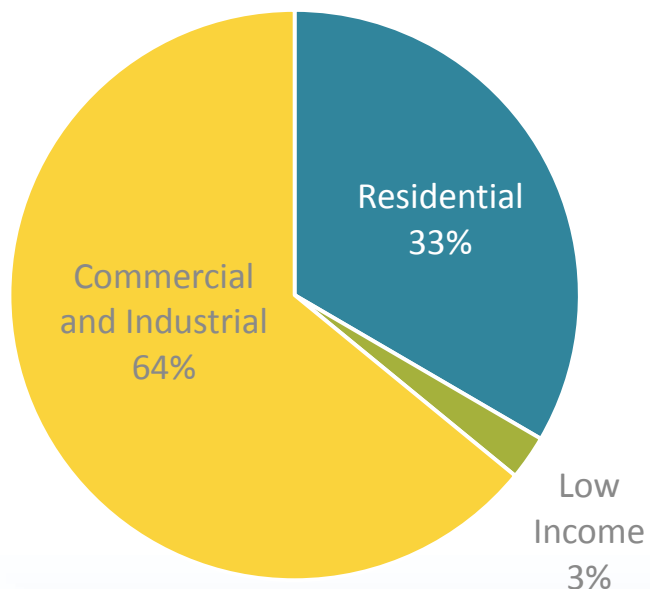
## Avoided Emissions due to EE in 2013

All units are in lbs.	Avoided CO <sub>2</sub>	Avoided NO <sub>x</sub>	Avoided SO <sub>x</sub>
Connecticut	190,445,065	93,918	83,484
Delaware	155,612,136	132,124	342,053
District of Columbia	52,762,745	44,799	115,979
Maryland	1,131,481,071	960,691	2,487,123
Massachusetts	1,003,008,796	494,634	439,675
New Hampshire	46,683,098	23,022	20,463
New York	928,062,181	109,825	130,672
Rhode Island	147,280,338	72,630	64,561
Vermont	77,087,413	38,016	33,793
<b>Total</b>	<b>3,732,422,842</b>	<b>2,958,659</b>	<b>4,893,843</b>

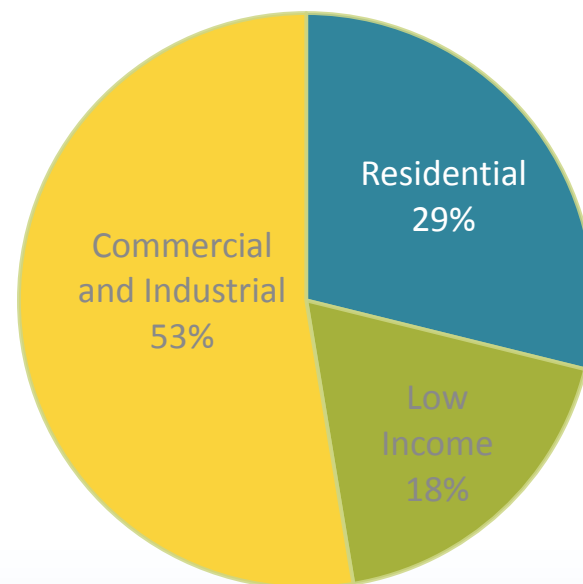
# REED Data Overview & Trends

## Electric Energy Savings and Expenditures by Sector

### Savings by Sector



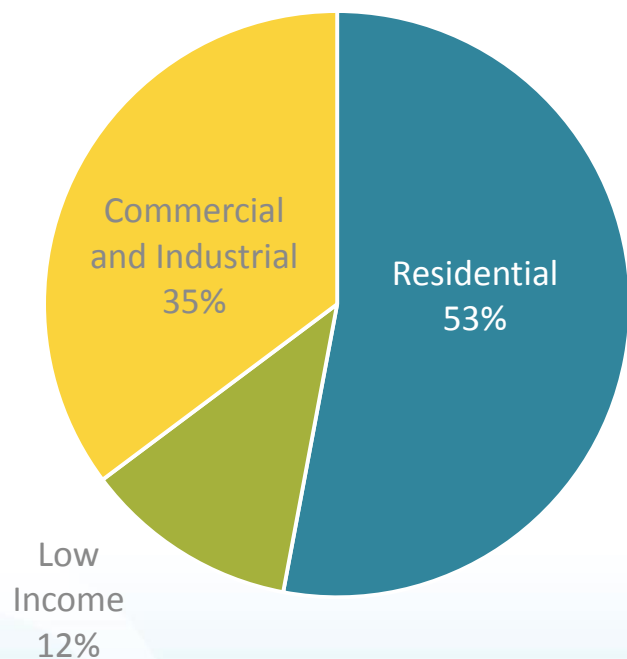
### Expenditures by Sector



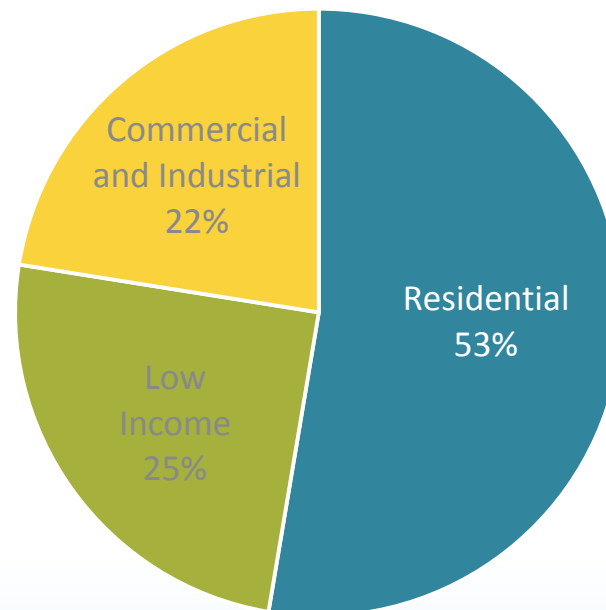
# REED Data Overview & Trends

## Gas Energy Savings and Expenditures by Sector

### Savings by Sector



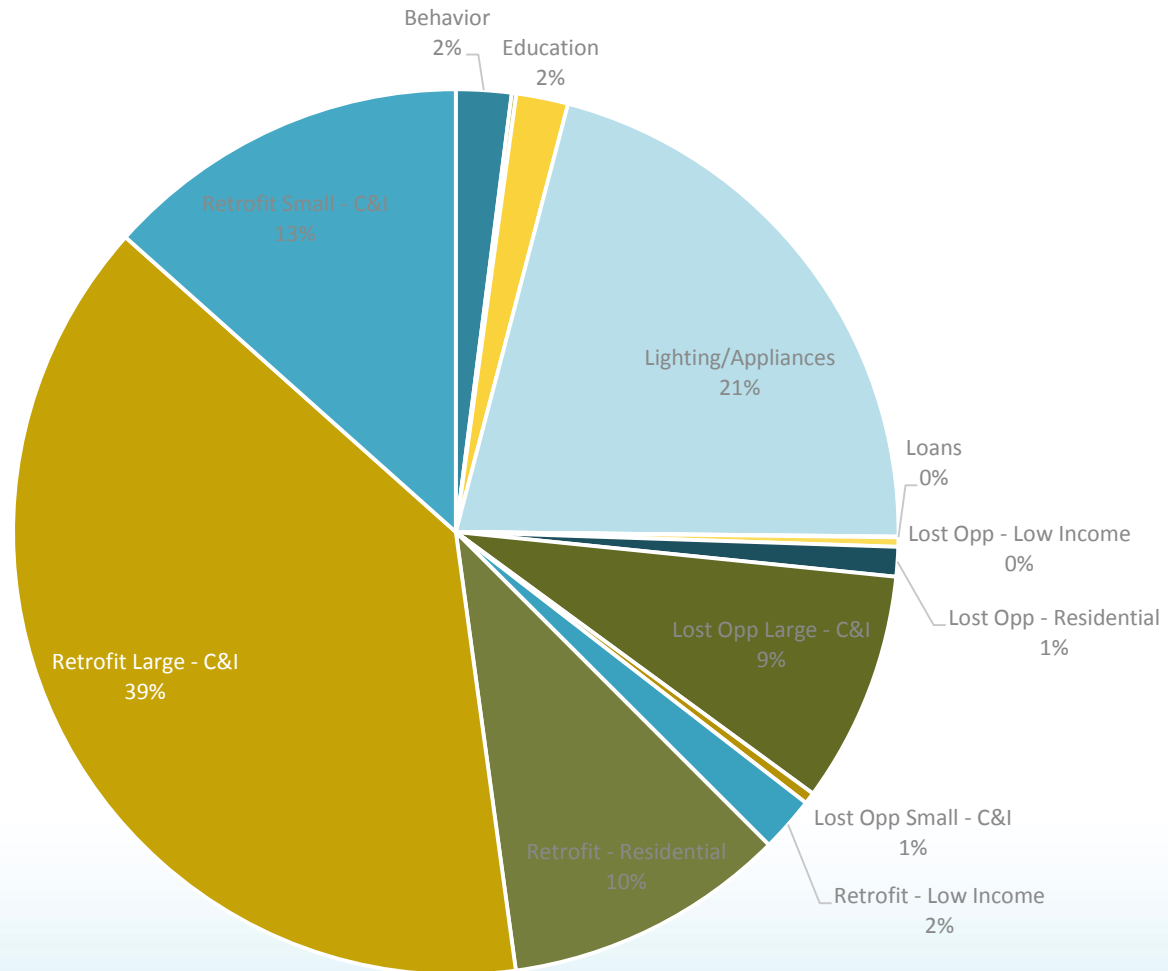
### Expenditures by Sector



# REED Data Overview & Trends



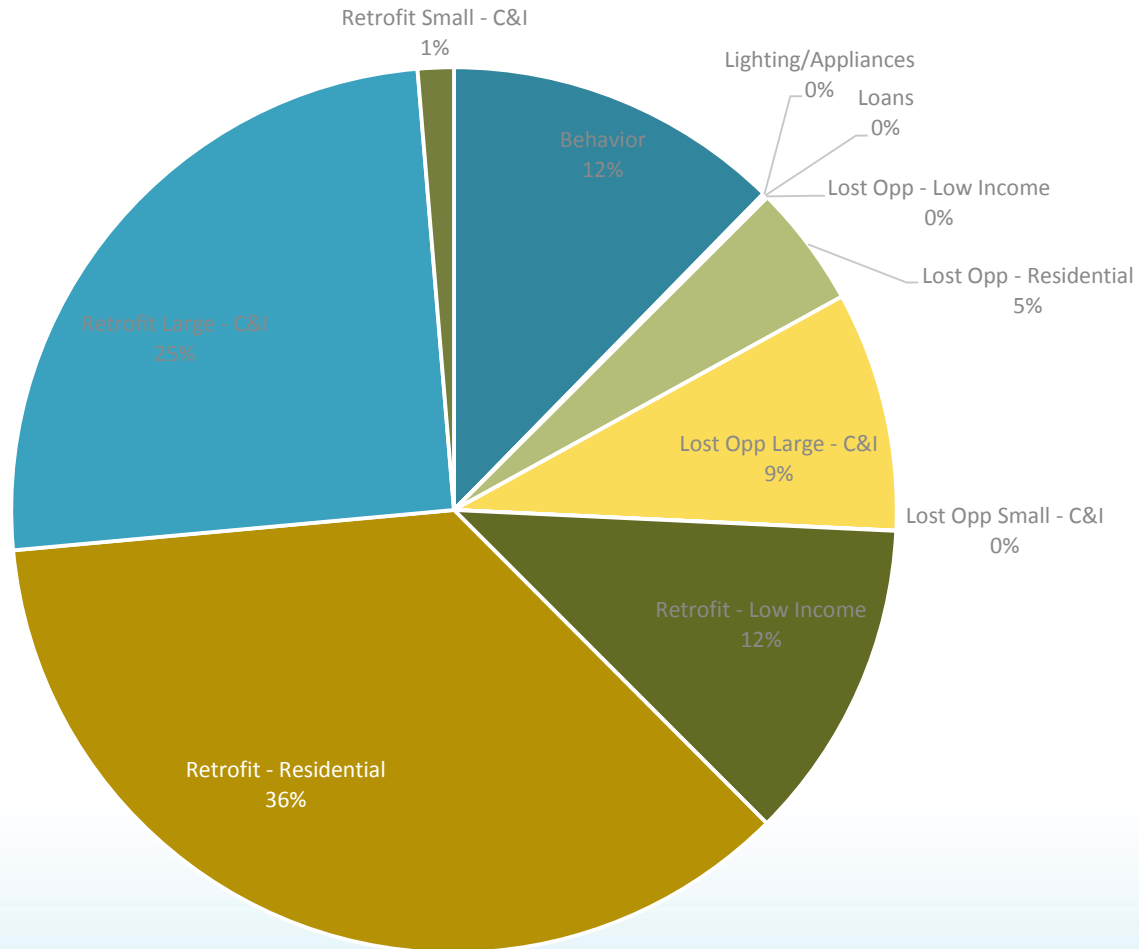
## Regional Electric Annual Energy Savings by Program Type in 2013



# REED Data Overview & Trends



## Regional Gas Annual Energy Savings by Program Type in 2013







## For Questions or Comments about REED Data, Please Contact:

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