

# 2013-2015 Massachusetts Statewide Energy Efficiency Plan

## Cape Light Compact Proposal - Public Information Sessions

P: 800.797.6699  
3195 Main Street  
Barnstable, MA 02559

[www.capelightcompact.org](http://www.capelightcompact.org)

# Agenda

- About Cape Light Compact (CLC)
- Green Communities Act
- Proposed 2013-2015 Energy Efficiency Plan
  - Budget Review
  - Residential Programs
    - Residential Energy Education
  - Low-Income Programs
  - Commercial and Industrial (including Municipal) Programs
- Funding and Bill Impacts
- Questions & Answers - Survey



# About Cape Light Compact

- Represents all 15 Cape Cod and 6 Martha's Vineyard towns and 2 Counties
- Inter-municipal Organization
- Formed in 1997
- Municipal Aggregator, obtain competitive power supply
- Administer Energy Efficiency Programs
- Advocate for Consumers



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# Green Communities Act

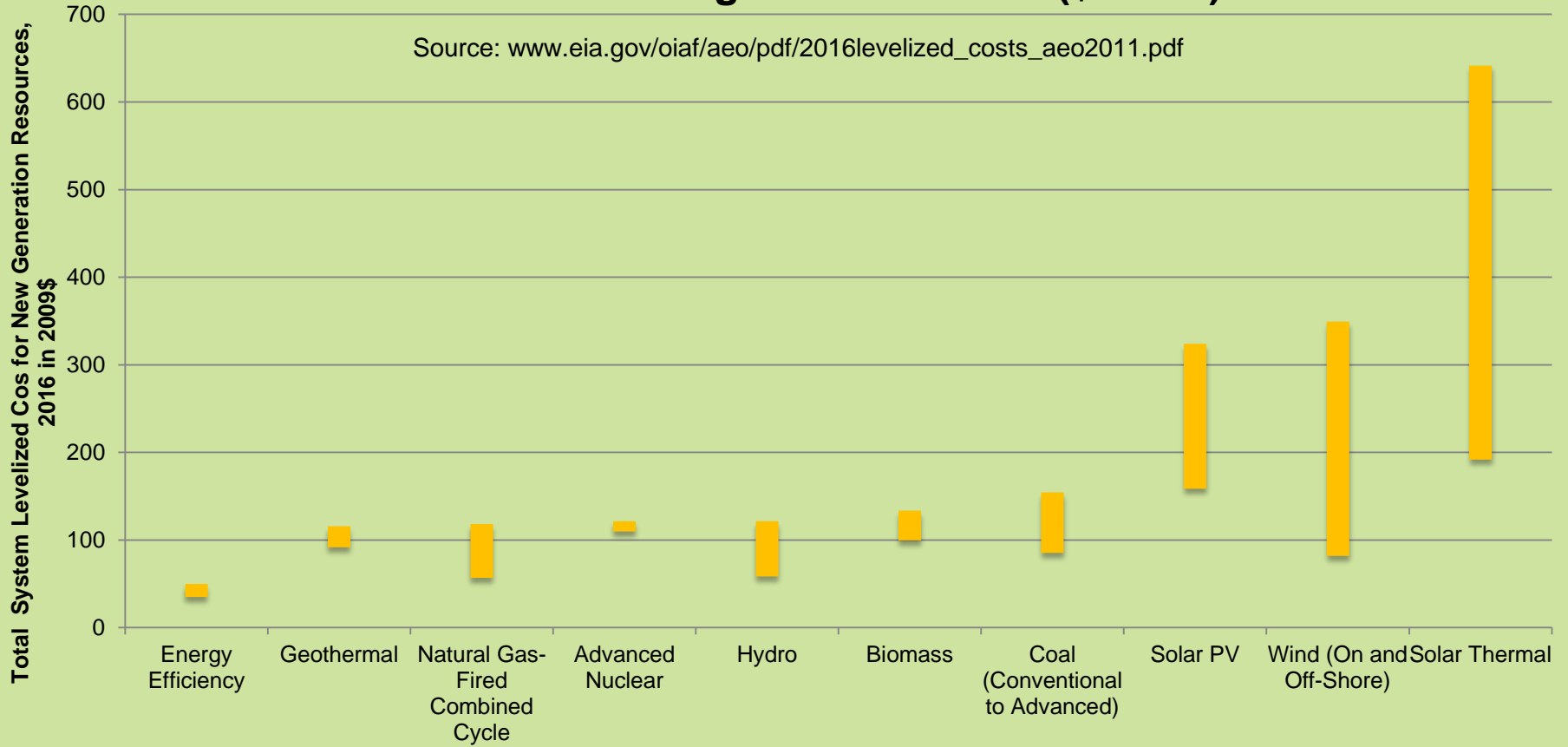
*All cost-effective energy efficiency*

“electric and natural gas resource needs shall first be met through all available energy efficiency and demand reduction resources that are cost effective or less expensive than supply”



# Levelized Cost Range of Generation (\$/MWH)

Source: [www.eia.gov/oiaf/aeo/pdf/2016levelized\\_costs\\_aeo2011.pdf](http://www.eia.gov/oiaf/aeo/pdf/2016levelized_costs_aeo2011.pdf)



*Energy efficiency, in dollars per MWh, is cheaper than any other source of energy.*



# 2013-2015 Statewide Energy Efficiency Plan

April 30, 2012 – Energy Efficiency Advisory Council (EEAC)

July 2, 2012 – EEAC

September 19, 2012 – EEAC

October 31, 2012 – Department of Public Utilities (DPU)

January 31, 2013 – Orders Issued by DPU

*CLC is part of the statewide energy efficiency plans.*



The numbers included for Cape Light Compact in this presentation are based upon the September 19, 2012 filing.

Budgets, savings, and bill impacts are subject to change.

For information about the EEAC, please visit

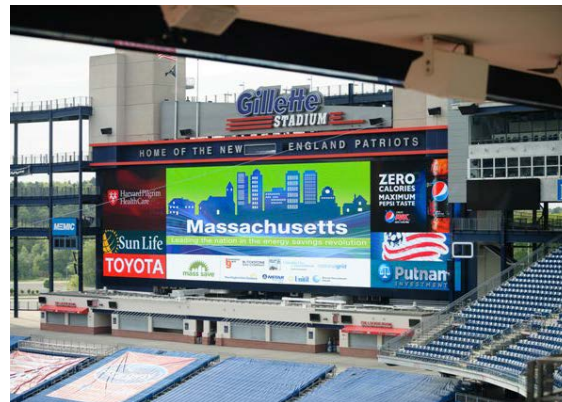
[www.ma-eeac.org](http://www.ma-eeac.org)

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# Appreciative Inquiry

Cape Light Compact as part of the Massachusetts' Energy Efficiency Program Administrators held the MA Energy Efficiency Appreciative Inquiry (AI) Summit on May 15-16 at Gillette Stadium in Foxborough. Hundreds of business and civic leaders, policy makers, advocates, and residents attended this highly interactive session to generate ideas that will help shape Massachusetts's 3-year Energy Efficiency Plan, as well as longer-term plans, that will ultimately form a roadmap for Massachusetts' energy efficiency future as we continue to lead the nation in energy efficiency.



# Highlights of the statewide 2013-2015 Plan

- Propose to deliver \$8.79 billion in economic benefits for customers
- Robust BCRs of 3.62 for electric and 1.70 for gas
- Increased coordination of gas and electric programs for seamless customer service
- For more information, visit [www.capelightcompact.org/eep](http://www.capelightcompact.org/eep)

## Environmental Benefits

The statewide, three year plan environmental benefits are comparable to taking approximately 405,300 cars off of the road or eliminating the output of a 460 MW power plant for a year.

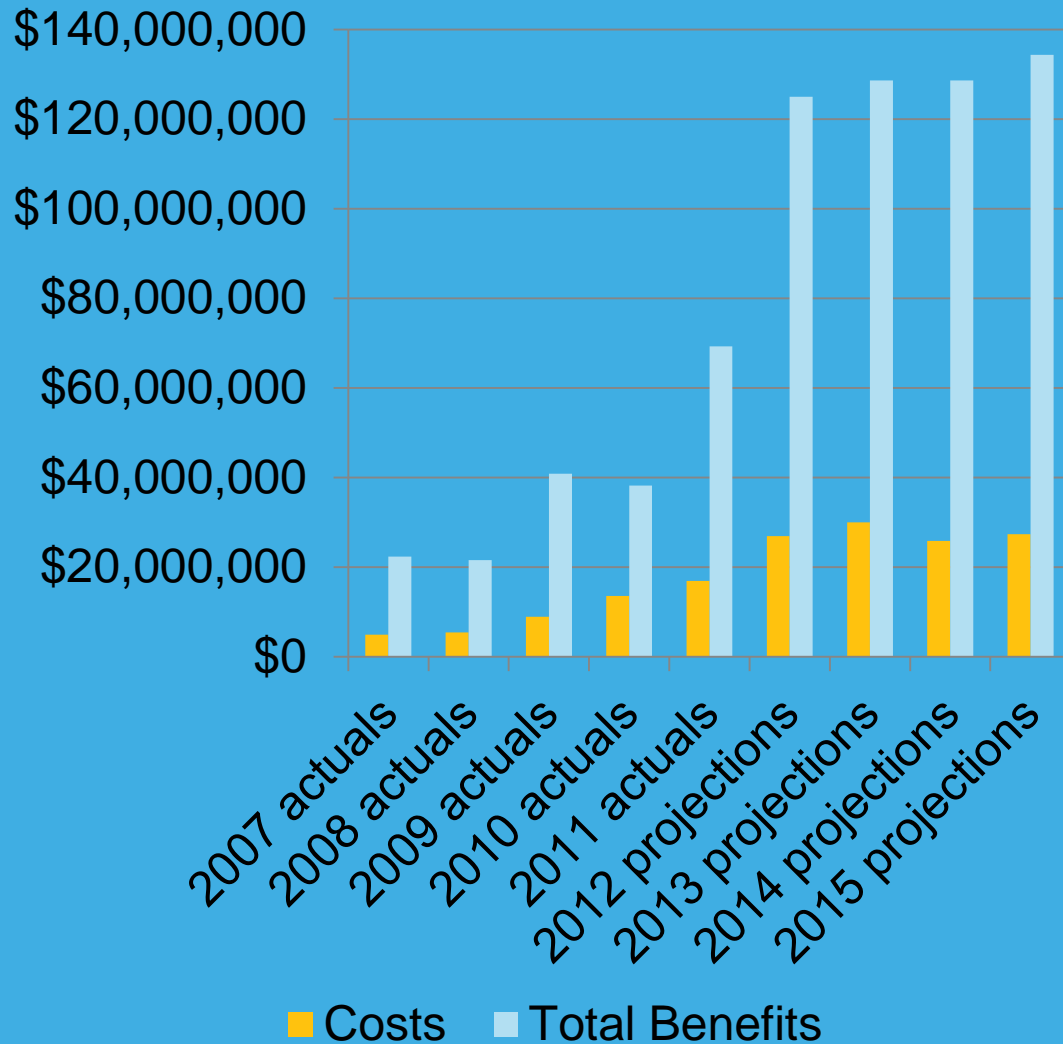


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## CLC Costs and Benefits, 2007-2015



### CLC's 3-year budget keeps up high goals

These stretch goals from 2012 will continue for the next three years (2013-2015), but may be difficult to sustain for the following three year period (2016-2018).

For 2013-2015, the total costs are **\$83,126,358** while the total anticipated economic benefits are **\$391,487,377**.



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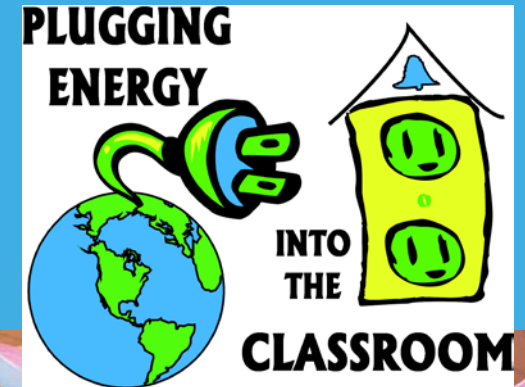
# Summary of New Enhancements – Residential

- Inclusion of heat pump water heaters (to replace electric storage water heaters)
- Inclusion of Light-emitting diodes (LEDs)
- Potentially focus on oil and propane (in multi-family)
- Enhanced incentives for home energy assessments



# Energy Education

- Budget of \$375,000 for 2013-2015
- Support and continue knowledge-base that began when program first introduced in 2003
- Work with all elementary, middle, and high schools on energy education within MA framework



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# Summary of New Enhancements – Low-Income

- Inclusion of LEDs
- Potentially include oil and propane heated customers into multi-family buildings



## Weatherization

Insulating and air sealing (sealing up the drafts) can make an incredible difference in the homes. Under the Low-Income program, there is no co-pay for this in an existing home, where recommended.



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# Summary of New Enhancements – Commercial and Industrial

- Expansion of Upstream Lighting to HVAC/other potential end uses
- LED retrofit of town-owned streetlights
- Increased Tenant incentives Direct Install
- Direct Install Financing through RISE
- Additional new Direct Install measures under consideration such as HPWHs and plug load controls



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## Cape Light Compact Energy Efficiency Budget, 2013-2015

Sector	Budget
Residential	\$ 42,705,677
Low-Income	\$ 10,238,934
Commercial & Industrial	\$ 30,625,472
<b>TOTAL</b>	<b>\$ 83,570,083</b>





# 2013-2015 Energy Efficiency Plan - CLC

<b>Proposed Funding Sources</b>	<b>\$83,570,083</b>
Systems Benefit Charge (est.)	\$14,969,286
ISO New England Forward Capacity Market (FCM) (est.)	\$2,121,564
Regional Greenhouse Gas Initiative auction of CO2 allowances (RGGI) (est.)	\$3,807,869
Energy Efficiency Reconciliation Factor (EERF) – through DPU approved charge in Distribution Charge of electric bill	\$62,671,364

## Delivery Services (PRORATED)

Customer Charge				3.7%
Distribution	.04644	X	765 KWH	35.53
Transition *	.02677	X	765 KWH	20.48
Transmission	.00500	X	765 KWH	3.83
Renewable Energy	.00049	X	765 KWH	0.38
Energy Conservation	.00249	X	765 KWH	1.91

# Monthly Bill Impacts

## *Averages*

	Residential Customer (using avg. 500 kWh/month)	Low-Income Customer (using avg. 500 kWh/month)	Business Customer (using avg. 3,000 kWh/month)
2013-2015 Plan	\$6.50	\$0.89	\$18.91
2010-2012 Plan	\$4.92	\$0	\$18.15
Difference	\$1.58	\$0.89	\$0.76

Sum of charges collected in the Distribution Charge (EERF) and Energy Conservation Surcharge (SBC)



## Participate!

To make sure that you minimize your bill

impacts, **PARTICIPATE!**

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# Questions & Answers

Please submit in writing by 5pm on October 22, 2012 to  
Maggie Downey @ [mdowney@barnstablecounty.org](mailto:mdowney@barnstablecounty.org)

Please complete our survey and enter our RAFFLE for a chance  
to win a lighting package via the web at  
<https://www.surveymonkey.com/s/clceep>

Call us at 800-797-6699 to see how you can begin to save  
energy NOW!

For further information, please visit  
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