

# Building on success: Update on Cape Light Compact's 2019-2021 Three-Year Energy Efficiency Plan

**Cape Light  
Compact**



*Working Together Toward A Smarter Energy Future*

# Agenda for Presentation



- Overview of Cape Light Compact (CLC)
- Three Year Energy Efficiency Plan – Cape Light Compact Enhancements and New Opportunities
  - 2019-2021 is the fourth 3-year Energy Efficiency Plan filed by the Program Administrators (PAs).
    - PAs = Cape Light Compact and Investor Owned Utilities (e.g. Eversource)

# Cape Light Compact



- Award-winning energy services organization operated by the 21 towns on Cape Cod and Martha's Vineyard
- Mission: serve customers through delivery of
  - proven energy efficiency programs
  - effective consumer advocacy
  - competitive power supply and green aggregation
- Model for other community choice aggregation programs in MA and nationally



# Background on Three-Year Energy Efficiency Plan



- 2008 Massachusetts Green Communities Act (GCA) mandates *“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.”*
- 2018 Amendments to the GCA:
  - Explicitly allows for cost effective energy storage and other active demand management technologies
  - Adds cost-effective strategic electrification
  - Explicitly authorizes renewable funding through EE funds
  - Changes cost-effectiveness requirement from program level to sector level (increases flexibility)
- Meetings with Department of Energy Resources and the Attorney General indicate Program Administrators’ 2019-2021 Energy Efficiency Plans should comply with amendments
- Compact works collaboratively with seven other statewide PAs to provide cost-effective energy efficiency programs. These programs are most commonly known as Mass Save®.

# Calendar of Events



Date	Action
November 2017 – February 2018	Stakeholder Engagement Meetings to help inform the 2019-2021 EE Plan
April 30, 2018	Compact & all PAs submitted draft 2019-2021 Statewide EE Plans
September 14, and October 10, 2018	Second draft of Plan submitted Third draft of Plan due
October 31	Compact & all PAs file final 2019-2021 Statewide EE Plan with Department of Public Utilities

## We Want Your Feedback:

- Cape Light Compact's online survey – [www.capelightcompact.org/eeplan](http://www.capelightcompact.org/eeplan)
- Email – [info@capelightcompact.org](mailto:info@capelightcompact.org)

# Overview of Compact Programs



Sector	Program	Initiative
Residential	Residential New Buildings	Residential New Homes & Renovations
	Residential Existing Buildings	Residential Coordinated Delivery
		Residential Conservation Services
		Residential Retail
		Residential Behavior & Active Demand Reduction
Income-Eligible	Income-Eligible Existing Buildings	Income-Eligible Coordinated Delivery
Commercial & Industrial	C&I New Buildings	C&I New Buildings and Major Renovations
	C&I Existing Buildings	C&I Existing Building Retrofit
		C&I New & Replacement Equipment
		C&I Active Demand Reduction

Residential is non-income eligible, 61% + of state median income and includes multi-family (5+ units)

Income Eligible is up to 60% state median income, fuel assistance, and other income eligible benefits

Commercial and Industrial is businesses (including non-profits, churches, etc.), industrial, and municipal

# CLC Specific Program Enhancements



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# Enhanced Residential Coordinated Delivery Offerings



Statewide Offerings	Continue Current CLC Enhancements
90% with no cap on insulation measures for: <ul style="list-style-type: none"><li>- Landlords that agree to complete whole-building scoped weatherization work</li></ul>	100% with no cap on insulation measures for: <ul style="list-style-type: none"><li>- Year-round tenants (who pay their own electric bill)</li></ul>
Gas PAs serve gas heated homes, and electric PAs serve all other fuels	Serve customers with natural gas heated homes who prefer to be served by the Compact





# Enhanced Residential Income Verification Offerings



- Continue Compact-specific income verification for low-income customers

Household Members	60% State Median Income (SMI)
1	\$35,510
2	\$46,437
3	\$57,363
4	\$68,289

- Continue Compact-specific income verification for customers 61-80% of SMI

Household Members	61-80% SMI
1	\$35,510 - \$47,550
2	\$46,437 - \$61,915
3	\$57,363 - \$76,484
4	\$68,289 - \$91,052

# Enhanced Residential Behavior & Demand Management Offerings



- Behavior & Demand Management
  - Considering implementing a home energy report (e.g., OPower)

## UtilityCo

1515 N. Courthouse Road, Floor 8  
Arlington, VA 22201-2009

0814327 0025-C101 P14801-730005

\*\*\*\*\*AUTO\*\*S-DIGIT 12345



JANE JOHNSON  
3434 WAVERLEY ST  
APT. 5  
SAN FRANCISCO, CA 94131-1245

### Home Energy Report

November 21, 2015  
Account number 8249865991

We've put together this report to help you understand your energy use and what you can do to save.

Find a list of rebates and energy-saving products and services you can buy.

► [www.utilityco.com/rebates](http://www.utilityco.com/rebates)

## Home Energy Reports—designed just for you



### Why you're receiving this report

Based on your energy trends, you've been selected for our Home Energy Report program. We think you have great potential to save.

Throughout the year, you'll get customized reports with:

- Insights into how you compare to similar homes in your area
- Personalized tips to help you save
- A visual snapshot on your progress over time

See back for frequently asked questions.

## Here's how you compare to neighbors



Oct 21, 2015 - Nov 21, 2015

This is based on 87 similar homes within approx. 4 miles. Efficient neighbors are the 20% who use the least amount of natural gas. See back for details.

## Tips from efficient neighbors



**Unplug electronics when they're not in use**  
Save up to \$75 per year

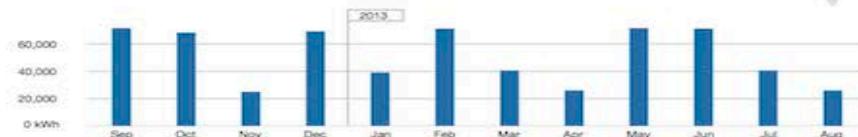


**Replace your inefficient light bulbs**  
Save up to \$30 over the bulb life

## Track your progress



This billing period, you used 36% less than last billing period.



## Save on your next bill



### Replace your old refrigerator

Your refrigerator is on 24 hours a day, seven days a week. As a result, it uses more electricity than any other appliance.

You could save up to 40% on your refrigerator's energy costs when you replace a model manufactured before the year 2001 with an efficient ENERGY STAR® unit. Remember that models with a freezer on the top are generally more efficient than side-by-side models.

Save up to \$45 per year

## Frequently asked questions

### What's a kWh?

A kilowatt hour (kWh) is a way to measure electricity use. A 100-watt lightbulb uses 1 kWh every 10 hours.

### How is my comparison calculated?

Your electricity use is compared to homes with a similar size, building type, and heating system. You can view your home information at <http://test.opower.com>.

### Why does BGE send these reports?

When customers save energy, we get closer to meeting our state energy efficiency goals. It's good for everyone.

### How do I stop receiving reports?

Call (800) 555-5555.

## We're here to help

► <http://www.opower-test.com/>

► [test.client@example.com](mailto:test.client@example.com)

► (555) 555-5555

## Find more energy saving purchases

► <http://www.opower-test.com/rebate>

# Enhanced Residential Offering Strategic Electrification



- Objectives
  - 700 total non-gas heated participants, tiered services by income
    - Additional incentives for low-income (up to 60%), moderate income (61-80%) and extended moderate income (81-120%) customers
  - Convert oil, propane, electric resistance heat to cold climate heat pumps
  - Install PV systems to support electrification of heating system, reduce GHG emissions, offset increased electricity usage
  - Install battery storage for demand response and resiliency

# Enhanced Residential Demonstration



- Look to explore ways to incentivize connected devices (i.e., smart appliances, WiFi thermostats, plug load controllers, etc.) to reduce residential energy use.

# Summary of Enhancements for C&I Programs



- Continue enhancements for thermal measures in the New Construction and Major Renovation program as well as the C&I Retrofit program
- Municipalities – 7% of total C&I customers
  - Incentives (up to 100%) for greater cost coverage with equipment maintenance training to ensure savings with board approval for projects over \$150,000.
- Continue to offer Small Business incentives up to 100% as well as a zero-interest financing option
- Continue to offer a Business Energy Audit (BEA) which offers 100% incentive coverage for certain instant savings measures (ex. efficient lighting, water saving measures, etc.)
- Non-profits
  - Up to 100% coverage for recommended improvements
    - For 501 (c)(3) that promotes economic, social, cultural development on Cape or Vineyard or to organizations providing services to the low income population
    - Operating  $\geq 3$  years with unrestricted annual op. rev.  $< \$15M$
- Main Streets Initiative

# Enhancements for Residential and C&I Programs



- Exploring residential battery storage to reduce peak demand in homes that have distributed energy resources
  - Will then look to investigate the potential for offering this to C&I customers
- Explore ways to reduce demand through Electric Vehicle Charging
  - Shifting charging to off-peak hours

# Thank You!

## April Draft

<https://3jy14ha9u771r7qzn35g0s6c-wpengine.netdna-ssl.com/wp-content/uploads/2018/05/2019-2021-Three-Year-Energy-Efficiency-Plan-April-2018.pdf>

## Appendices

<https://3jy14ha9u771r7qzn35g0s6c-wpengine.netdna-ssl.com/wp-content/uploads/2018/05/Appendices-to-2019-2021-Energy-Efficiency-Plan-April-30-2018-No-App-G-Potential.pdf>

## Feedback

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