

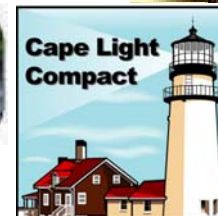
# Cape Light Compact

*Clean Energy for Towns and Schools*

Friday, May 18, 2007  
***Save Money & Go Green  
Energy Efficiency is #1***



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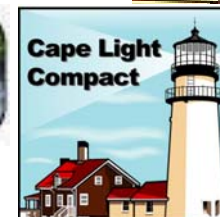


# Cape Light Compact

- Formed in 1997 to advance the interests of consumers in the newly restructured electric industry.
- Includes all towns on Cape Cod and Martha's Vineyard.
- Compact Governing Board made up of officials of all towns.
- Power supply:
  - Default service power supply commenced May, 2002.
  - All customers on competitive supply as of March 1, 2005.
  - Opt-in Cape Light Compact Green<sup>(SM)</sup>
- Consumer Advocacy.
- Energy Efficiency.



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# Sample Electric Bill

Account Number

1234 567 0010

Billing Date

Jan 8, 2004

Next Read Date

Feb 4, 2004

Service Provided to

E ORLEANS MA 02643

## Account Summary

Previous Bill	90.06
Payment - Thank You	-90.06
Total Cost Electricity	99.03
Amount Due	\$99.03

## Electricity Used

Rate 32-Residential Nonheat - Annual  
Meter 7047605  
Jan 06, 2004 Actual Read 15215  
Dec 04, 2003 Actual Read - 14544  
33 Day Billed Use 671

7047605	KWH
12/04	608
11/03	565
10/02	809
09/03	1023
08/04	629
07/07	650
06/04	516
05/05	552
04/03	565
03/06	688
02/04	741

## Cost of Electricity

### Delivery Services (PRORATED)

Customer Charge			3.73
Distribution	.04524 X	671 KWH	30.36
Transition	.02652 X	671 KWH	17.80
Transmission	.00564 X	671 KWH	3.79
Renewable Energy	.00050 X	671 KWH	0.34
Energy Conservation	.00250 X	671 KWH	1.68

Delivery Services Total 57.70

*Ratepayer funding of Cape Light Compact Energy Efficiency Programs through system benefit charge applied on a statewide basis to all electric customers*

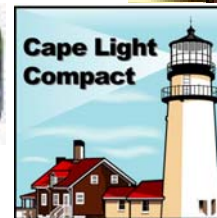
# Energy Conservation Goals

- Reduce Energy Use
- Provide Energy Cost Savings
- Protect the Environment

***\$26 million in energy efficiency funds returned to Cape and Vineyard over the last 5.5 years in the form of program services.***

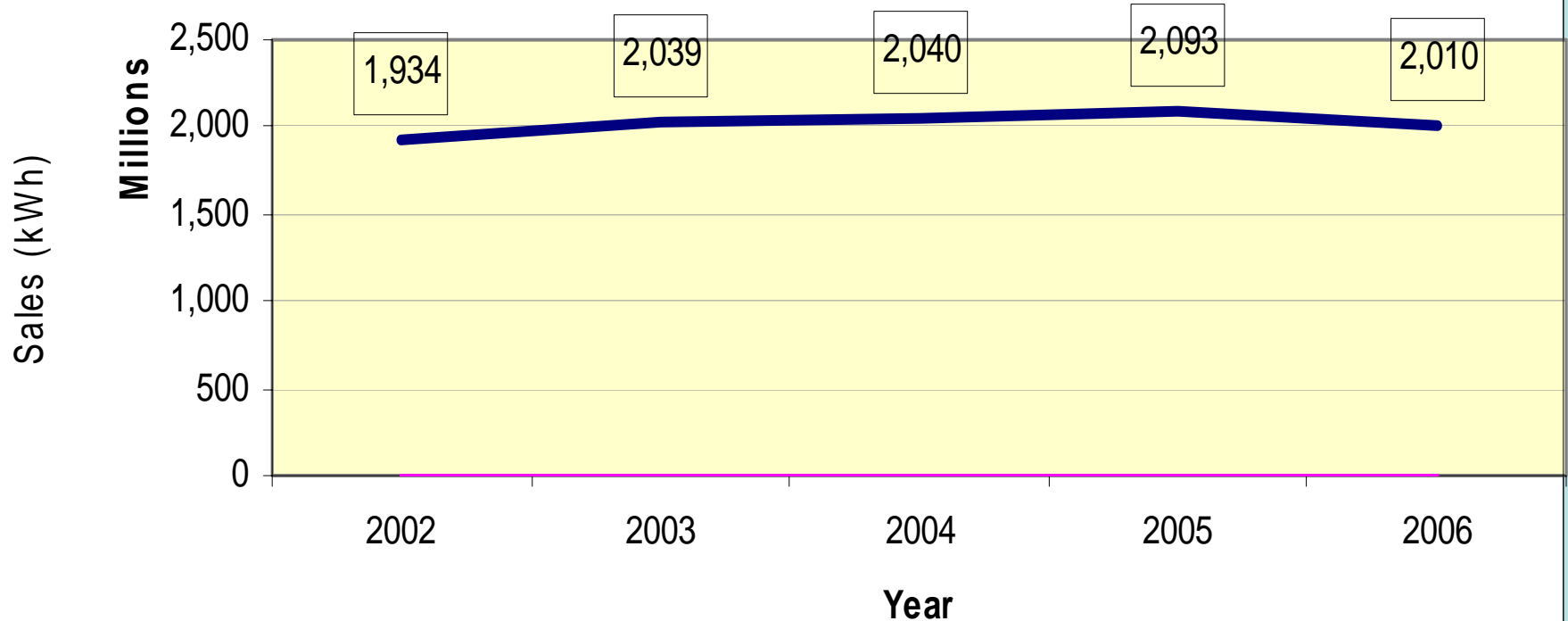


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# State of Electricity Use on Cape Cod & Martha's Vineyard

Cape & Vineyard Total Annual  
Electricity Sales Comparison

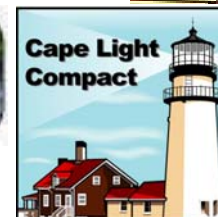


# Compact Efficiency Plan: 2007 - 2012 Program Budgets

- The Plan has a budget of over five million dollars per year.
- The budgets are allocated to customer sector based on the amount of funds contributed from electricity sales (kWh):
  - Low-Income: \$0.7 million
  - Residential: \$2.1 million
  - Commercial: \$2.3 million
  - Total: \$5.1 million (approximately)
- Many of the key budgets are allocated to each town, based on the amount of funds contributed by each town.



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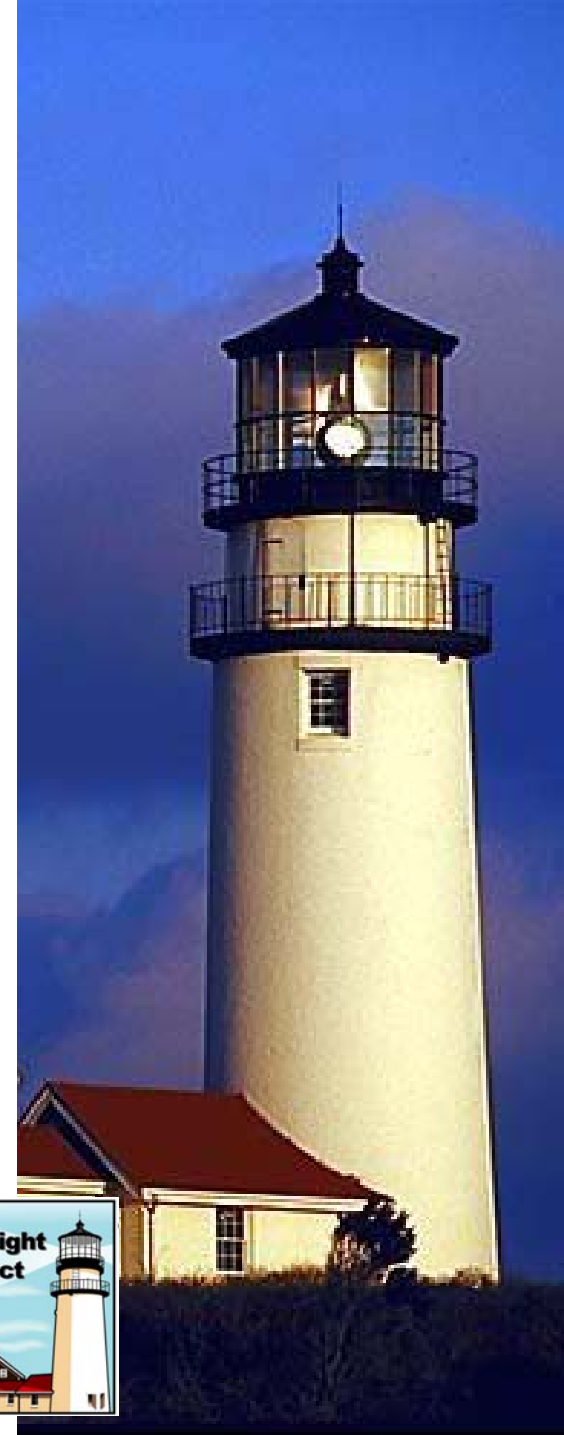




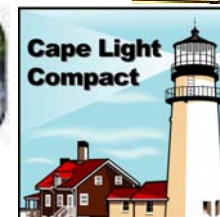
# Compact Efficiency Plan: 2007 – 2012 What's New

## Commercial & Industrial Programs:

- “Vending Miser Blitz”
- Sponsor Advanced Buildings offered by New Buildings Institute
- Coordinate and cost-share with KeySpan Energy Delivery
- Joined UMass Amherst-Massachusetts Energy Efficiency Partnership



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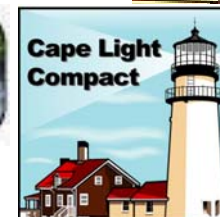


# Simple Steps to Participate

- Call 1-800-797-6699 to schedule an energy audit
- Free walkthrough of facility by qualified staff
- Recommendations provided with savings calculations
- Rebate incentives offered
- Measures implemented and rebates paid
- Savings accrue

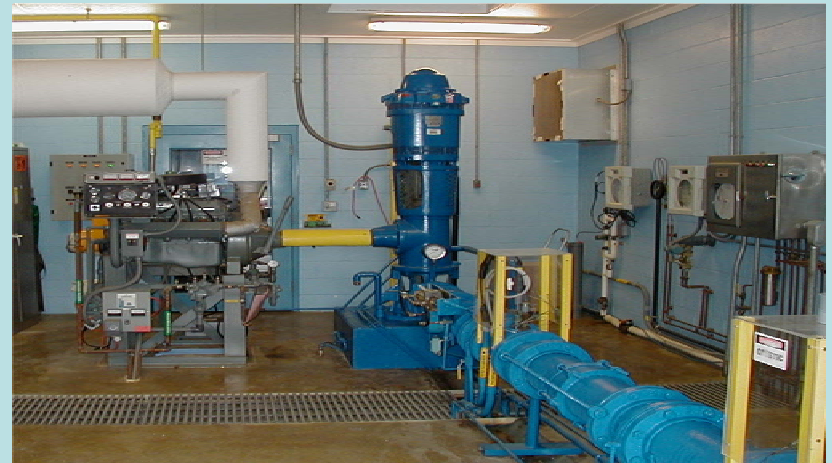
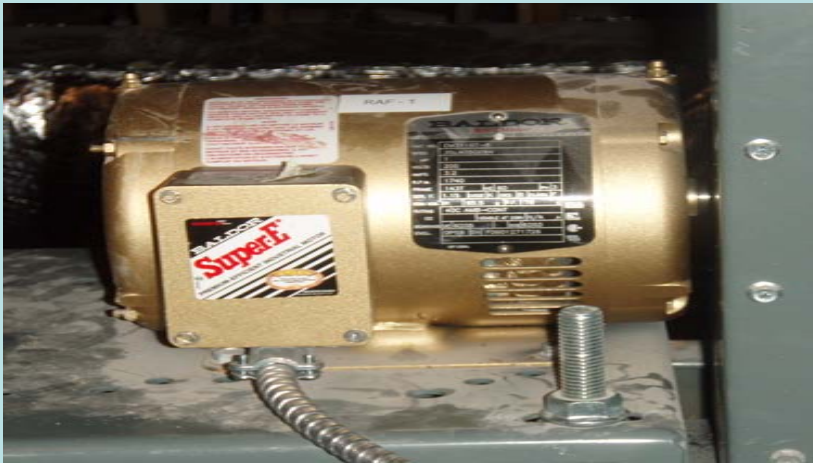


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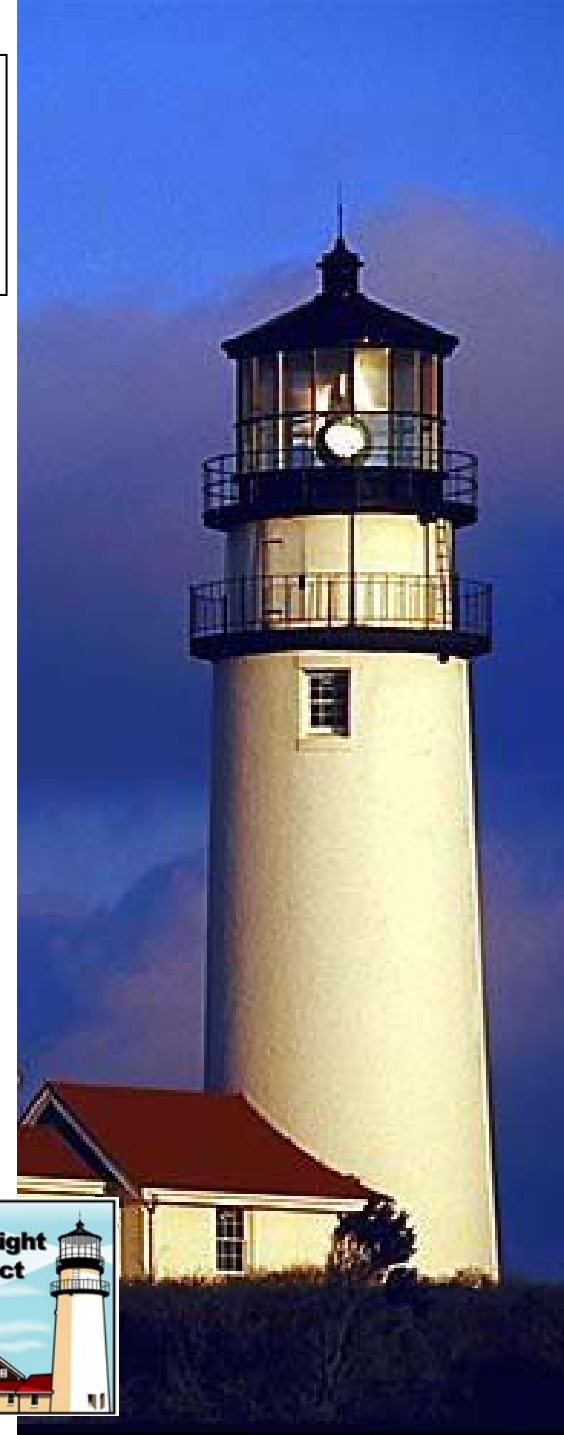


# Types of Energy Saving Measures

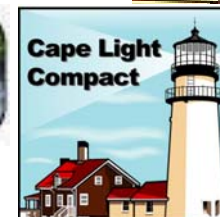


# Retrofit of Existing Facilities and Support for New Construction

- Lighting
- HVAC
- Control Systems
- Pump and Process Operations
- Training and Technical Assistance



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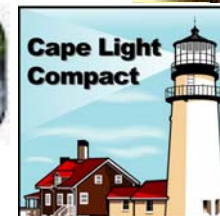


# Occupancy Sensors

- Controls HVAC and lighting when space is not occupied
- Improved technology senses both infrared body heat and motion



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# High Bay Lighting

Higher light output, more convenient  
and economical control



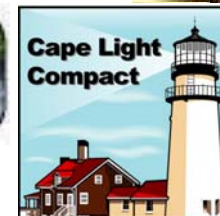
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# LED Lighting

Light Emitting Diode (LED) lights use about 1/10<sup>th</sup> amount of energy compared to incandescent – a 40 watt incandescent exit sign costs \$70/year to operate!



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# HVAC Controls

- Programmable thermostats save energy without sacrificing comfort
- Save 1%/degree/8 hr period



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# Recent Example

## Orleans Town Hall

*Renovation and Addition*

### **Lighting, Controls, Motors, VFDs**

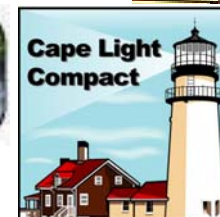
- Reduced consumption 58,093 kWh/yr
- CLC rebate \$75,090
- Approx. electric savings \$11,600/yr

### **Heating, EMS, Windows, Insulation**

- Reduced consumption 9,380 Therms/yr
- KeySpan rebate \$9,380
- Approx. gas savings \$10,300/yr



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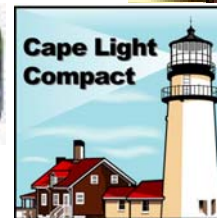


# Successful Projects

- Committed Team
- Consult Early and Often
- Set Goals & Measure Progress
- Paperwork Details
- Make Submittals on Time
- Receive Rebates
- Share Success



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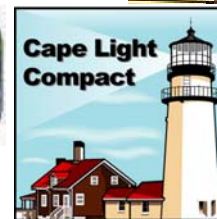


# In a Nutshell

- Get a no-cost energy audit of your facility
- Cape Light Compact typical incentive levels:
  - 80% of cost of efficiency upgrades rebated for Small C & I projects
  - 100% of cost of efficiency upgrades covered for Government projects
  - Subject to certain limitations and pre-qualif.
- **2007 projects are filling up rapidly due to program popularity – please plan accordingly!**
- Call (800) 797-6699 to schedule



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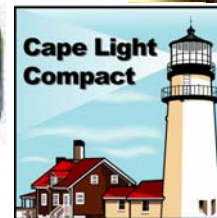


# Contact Info

- Cape Light Compact Governing Board Members from your Town
  - [www.capelightcompact.org](http://www.capelightcompact.org)
- Cape Light Compact Administrator
  - Maggie Downey  
(508) 375-6828  
[mags@cape.com](mailto:mags@cape.com)



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# Contact Info., continued:

## Power Supply:

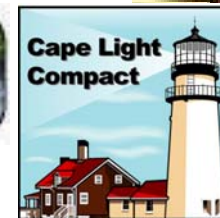
- Joe Soares, Sr. Power Supply Planner  
(508) 375-6623 [jas@cape.com](mailto:jas@cape.com)

## Energy Efficiency Programs:

- Kevin Galligan, Program Manager  
(508) 375-6828 [kfg@cape.com](mailto:kfg@cape.com)
- Margaret Song, Residential and Marketing Coord.  
(508) 375-6843 [msong@cape.com](mailto:msong@cape.com)
- John Burns, Commc'l, Industrial, Municipal Pgms  
(508) 375-6829 [burnsje@cape.com](mailto:burnsje@cape.com)
- Debbie Fitton, Energy Education Coordinator  
(508) 375-6703  
[dfitton@capelightcompact.org](mailto:dfitton@capelightcompact.org)



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# Thank You!



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