



# Energy Efficiency Program Update

August 18, 2010



# AGENDA

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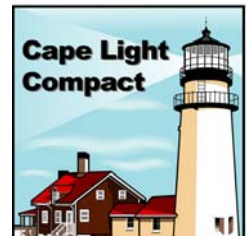
Results To Date

2

New Programs – Deeper Savings

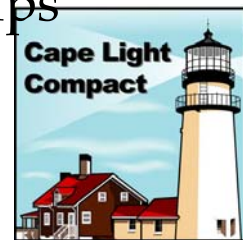
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Three Key Take Away Points



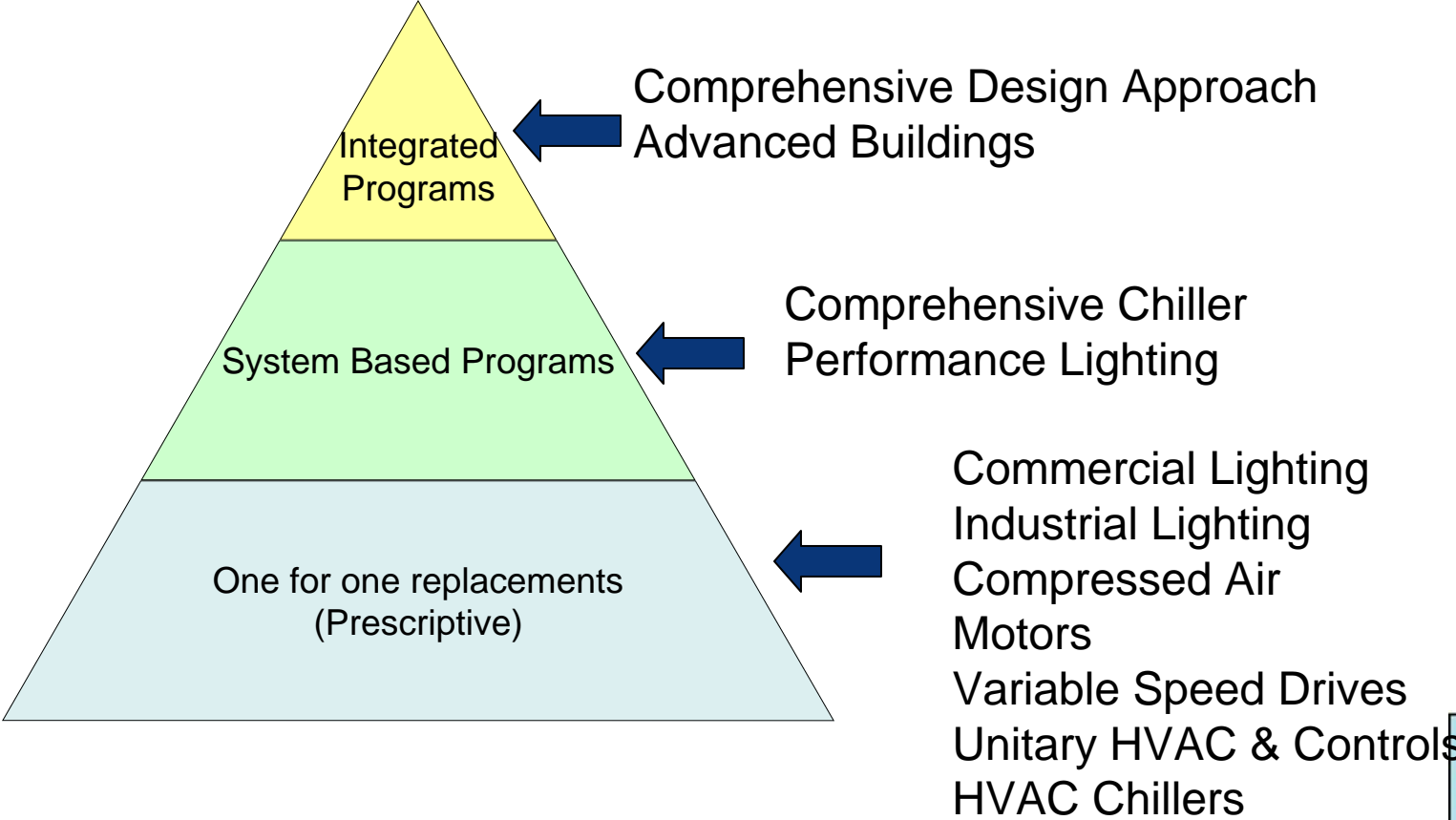
# Results To Date

- July, 2010: 9 Years of Service
  - Highly cost-effective energy efficiency programs
  - Invested over \$50 million
  - Return in form of energy saving benefits 3 – 4 times the investment
  - Saving approximately 18 MW of peak capacity (~ 2% of Canal Plant)
  - Saving over 103,600 MWh of annual energy use
  - Saving our customers about \$20.7 million on their electric bills
- New Statewide Planning Process for 2010-2012 Plan
  - Multi-Year Plan going forward
  - Significant Funding Increases for “all cost-effective measures”
  - Energy Efficiency Advisory Council , D.P.U., Working Groups



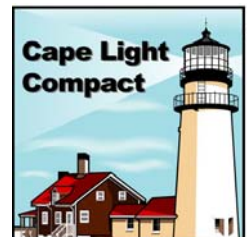
# Programs are mining deeper savings

*Serving more of the marketplace*



# Mining Deeper Savings

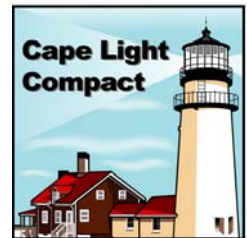
- **Home Energy Audits** now include:
  - Increased CFL penetration (more variety of bulb types)
  - Integration of Audit-Air Sealing in new program design
  - Significant increases in heating and water heating incentives (incl solar DHW)
  - Maximize opportunities for 75% incentive on insulation thru increased marketing of 0% HEAT loan (up to \$15,000 for eligible measures)
- **New Construction**
  - New HERS Tier Levels – going well beyond code & new incentive package
  - Increased builder outreach/training for increased market penetration
- **Lighting**
  - Expanded upstream negotiated cooperative promotions a.k.a “buy downs”
  - Increased focus increasing availability of specialty bulbs
  - Expansion of retailer partnerships and serve “hard-to-reach” market
- **Residential HVAC**
  - Focus on growing quality installation contractor infrastructure
  - Expand upstream partnerships with HVAC manufacturers/distributors
  - Focus on seamless gas & electric HVAC equipment rebates
- **Commercial & Industrial Comprehensive Retrofit**
  - Promote ‘deep dives’ into buildings (model after comprehensive new construction)



# Take Away #1:

## Innovative Technology and Processes

- Micro-CHP (combined heat-and-power)
- LED lighting... solid state light emitting diodes *coming fast*
- Super high efficiency gas heating & water heating
- Combined high efficiency central a/c installations with new quality installation standards
- Integrated delivery: EE-Renewable-Demand Response
- Net Zero construction practices
  - builds on CLC Green Affordable Homes initiative
- *Impressive Savings already from...* Home Energy Monitoring Systems
  - “behavior change” when customers see real-time display of use

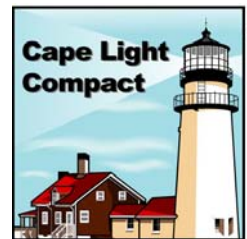


# Take Away #2:

## Growing Queue of Commercial Projects

### *Recovery Through Energy Efficiency*

- C&I Leads coming in from developers, builders, architects
- Coordination with CComission RPP for early review/assist
- Significant queue of new construction projects...*may be leading economic indicator of recovery...through energy efficiency!*
  - Over 70 new construction and retrofit projects in pipeline for 2011+ completion
  - Over 300 businesses are expected to participate in our C&I retrofit program this year
  - More than 50 town/municipal projects are expected to be done this year



# Take Away #3: Outside Funding

*Maximum Ratepayer Benefit, Minimum Cost*

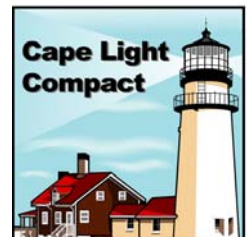
- USDA \$100,000 Grant for Agriculture/Small Business \*



- USDOE EECBG Barnstable County Allocation \$736,700

U.S. DEPARTMENT OF  
**ENERGY** | Energy Efficiency &  
Renewable Energy

**\*This institution is an equal opportunity provider.**





# Summary

## *Thank You!*

- Award Winning Programs



- Grassroots Outreach, Education and Promotion
- Leadership and Support
- Customer, Retailer, Vendor Participation
- Hard Working Dedicated Staff

