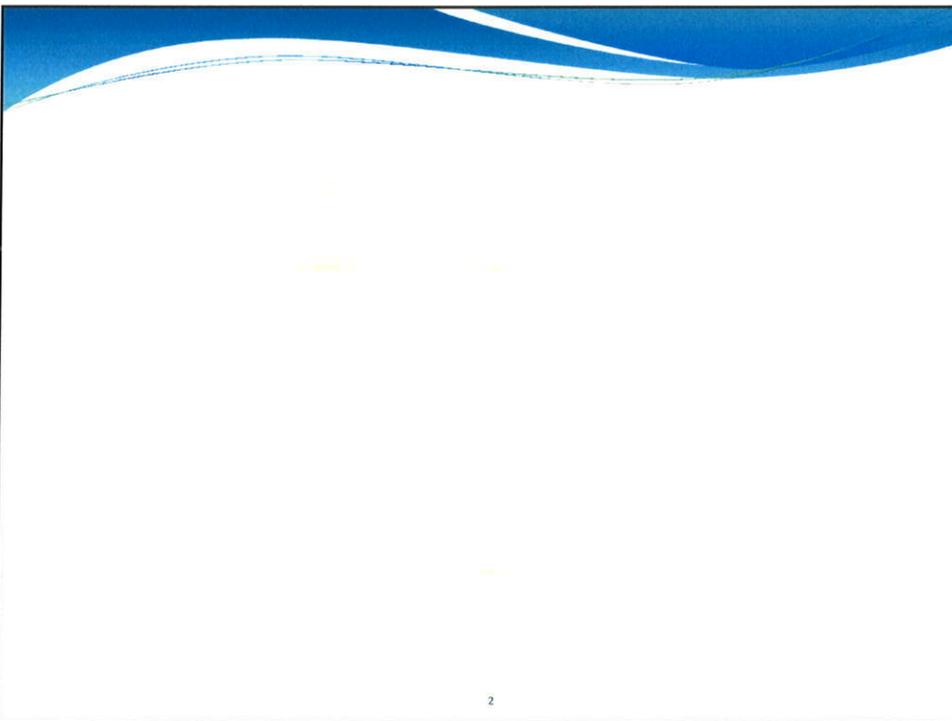


2015 – 2016 NH CORE EE Program Plan & Enhancements

July 21, 2014

Consumer Advocate Advisory Board



Input From

- ❖ NH Stakeholders
 - ❖ Brainstorming Session
 - ❖ Online Survey
 - ❖ Direct Input
- ❖ Program Implementation Staff
 - ❖ Input from Evaluations
 - ❖ Review of Programs in other States
 - ❖ Review of Emerging Technologies (NEEP, CEE, EEI, etc.)
- ❖ Review of NH Initiatives
 - ❖ 2013 EERS
 - ❖ Draft of NH State Energy Plan
 - ❖ SB 268 – re: use of RGGI Funds
 - ❖ SB 154 – re: energy conservation loan fund / project fund



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NH CORE's Vision for 2015 – 2016

Offer ...

- ❖ Third Party Financing
- ❖ “Concierge” Services
- ❖ Comprehensive Focus
- ❖ Innovative Approaches
- ❖ Customer-focused Statewide Energy Efficiency Program Promotion

... while continuing to support the primary objectives of

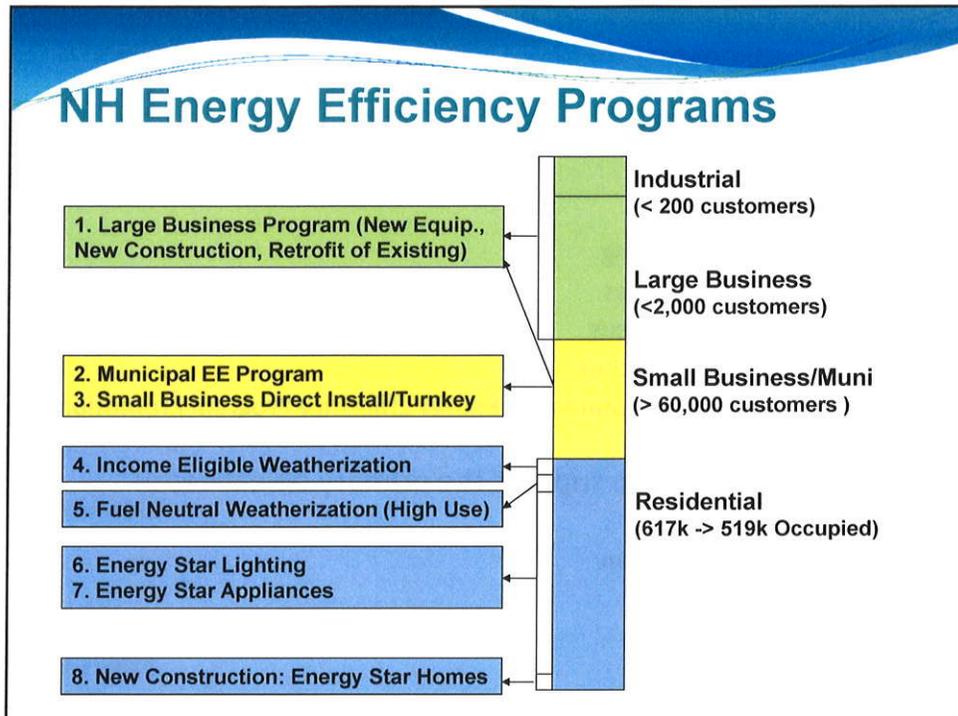
- ❖ Energy Savings
- ❖ Peak Load Reduction
- ❖ Cost Effectiveness



5

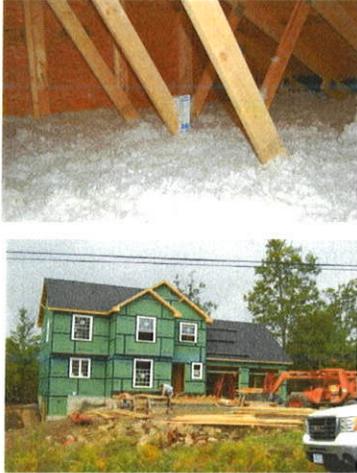
What Is In The Tool Box?

- **Information**
 - Point of Sale/Sales Training
 - Seminars/Education Classes/Technical Assistance (Audits)
 - Catalog/Brochures/Bill Stuffers/NHSaves Website
- **Financial Incentives**
 - Minimum dollars that will move customers
 - No charge to income eligible customers
 - Prescriptive Incentives
 - Custom Incentives
 - Financing/Loans/Loan Buydowns



Residential Programs





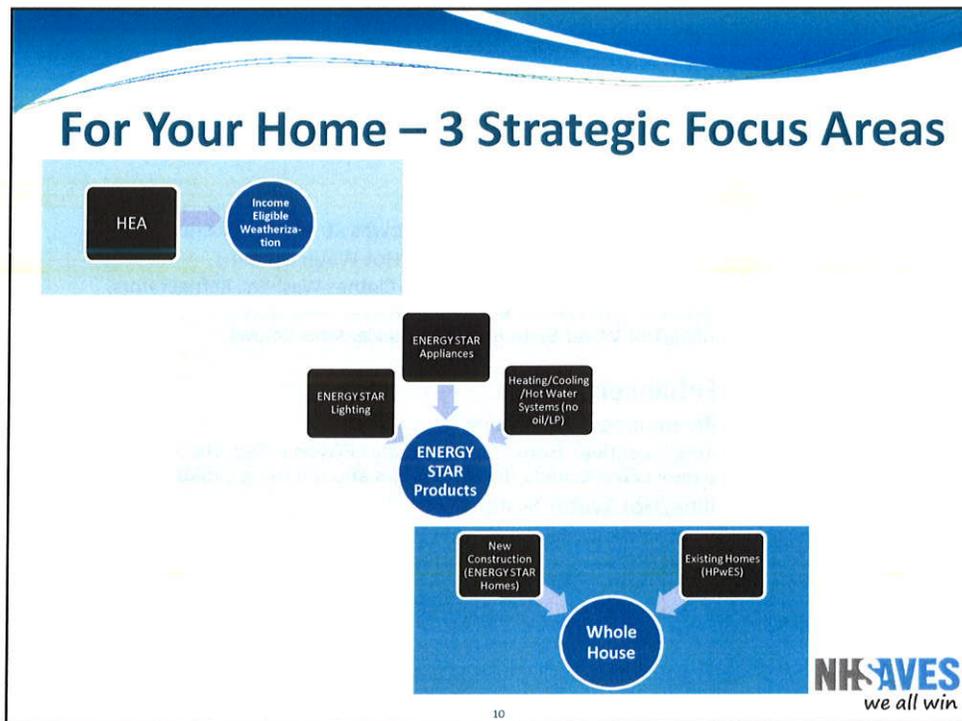
- **Low Income Weatherization**
 - Improve existing housing stock for income eligible customers
 - Services provided at no charge
 - Collaborating with the Community Action Agencies to provide services
- **Residential Weatherization**
 - Improve existing housing stock for high use customers
 - Fuel neutral – services provided regardless of heating fuel
- **Energy Star Homes**
 - For customers building new homes
 - Improve housing stock by offering incentives and certifying homes that are at least 15% better than required by code

Lighting & Appliance Programs





- Statewide dealer network
- Trained sales staff
- Promoting ENERGY STAR
- Point of sale information
- Lighting and appliance rebates
- Working with retailers to ensure product availability
- Recycling CFLs and refrigerators



For Your Home: Income Eligible Weatherization

- ❖ Currently includes:
 - ❖ Prequalification by the Community Action Agencies
 - ❖ Collaborate with US DOE Weatherization Assistance Program and funding as appropriate or available
 - ❖ Assignment to one of 5 NH Community Action Agencies for audit/weatherization services
 - ❖ Review of audit recommendations based on annual usage data
 - ❖ Independent quality control on 10% of homes weatherized
 - ❖ 100% funded (no customer co-payments)
 - ❖ Cap at \$8,000
 - ❖ Heating System Replacement allowed if deemed unsafe or at end-of-life
- ❖ **2015 – 2016 Enhancements:**
 - ❖ Transition from CFLs to LEDs
 - ❖ Budgeted at least 15.5% of total budget
 - ❖ Attempt to levelize projects by month; coordinate with WAP funds

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NHAVES
we all win

For Your Home: ENERGY STAR Products

- ❖ Currently includes:
 - ❖ Lighting = CFLs and LEDs, may do some markdowns at selected stores
 - ❖ Appliances = White Goods + Heating/Cooling/Hot Water Systems
 - ✓ White Goods = Room ACs, Room Air Purifiers, Clothes Washers, Refrigerators, Clothes Washers, 2nd Ref/Freezer pickup, Advanced Power Strips
 - ✓ Heating/Cooling/Hot Water Systems (see enhancements below)
- ❖ **2015 – 2016 Enhancements:**
 - ❖ Merge two different programs into one
 - ❖ Transition lighting incentives from CFLs to mostly LEDs to reflect the multiple benefits of the new LED products (lifetime hours and dimming capabilities)
 - ❖ Heating/Cooling/Hot Water Systems
 - ✓ Include electric systems only (Central AC, Air Source Heat Pumps Ductless Mini-Splits (Low Temperature Heat Pumps only), Water Heating/Heat Pump Water Heaters, Control Technologies)
 - ✓ Exclude Oil/LP systems and WIFI Thermostats (may add these if additional RGGI funds are awarded)

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NHAVES
we all win

For Your Home: Whole House (New Homes)

- ❖ Currently includes:
 - ❖ Home Energy Rating Services (Plans Review, Pre-Sheetrock Inspection, Final Blower Door Test, Duct Testing, Builder & HVAC Contractor Checklist Paperwork Review)
 - ❖ Incentives for ENERGY STAR Lighting & Appliances (“white goods”)
 - ❖ Home Performance Incentives (per HERS Index)
 - ❖ Continue homebuilder education
 - ❖ Continue to encourage Homebuilders to incorporate certain technologies to take advantage of federal tax credits (Geothermal Heat Pumps, Solar Energy HW/PV)

- ❖ **2015 – 2016 Enhancements:**
 - ❖ Transition from CFLs to LEDs
 - ❖ Partner with the NHPUC Sustainable Energy Division and Homebuilders to encourage and assist builders to construct a Net Zero Home(s)
 - ❖ NHEC & PSNH to integrate Utility Specific Heat Pump Programs (Geothermal and Air Source Heat Pumps) to now be part of the ENERGY STAR Homes Program



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For Your Home: Whole House (Existing Homes)

- ❖ Currently includes:
 - ❖ Prequalification utilizing the NHSaves Home Heating Index
 - ❖ Assignment to one of 35+ BPI Certified Home Auditors/Weatherization Contractors
 - ❖ \$100 Customer co-pay for Weatherization Audit
 - ❖ BPI Contractors will audit, provide recommendations and estimated savings, and implement weatherization services
 - ❖ Review of audit recommendations based on annual usage data
 - ❖ Independent quality control on 10% of homes weatherized
 - ❖ On Bill Financing for projects with customer co-pays between \$500 - \$7,500

- ❖ **2015 – 2016 Enhancements:**
 - ❖ Transition from CFLs to LEDs
 - ❖ Include incentives for customer replacing end-of-life Heating, Cooling & Hot Water Systems (will be offered separately from HPwES incentive)
 - ❖ Investigate Home Energy “Labeling” to determine possible use with HPwES weatherized homes
 - ❖ Provide information on heating technologies and other rebates available
 - ❖ NH CORE: Gas, Oil, LP and Electric Heating, Cooling and Water Heating Systems
 - ❖ NH PUC: Wood Pellet Central Boilers, Solar HW/PV, etc.
 - ❖ Investigate the feasibility of prescreening these homes for Solar PV and Solar Hot Water
 - ❖ Financing options under consideration
 - ✓ On Bill Financing: 0% Financing for customer co-pays of \$500-\$2,000 using revolving loan fund
 - ✓ 3rd Party Financing: 0% Financing for customer co-payments > \$2,000 using local lenders



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Business & Municipal Programs



- **Small Business**

- Turnkey energy efficiency services
- Energy audits and financial incentives, for upgrading older inefficient equipment or installing new equipment

- **Large Business**

- Technical assistance
- Financial incentives to upgrade old inefficient equipment or install new equipment

- **Municipals**

- The Small and Large Business programs are open to all municipal/government customers



Education Programs

- ❖ **Currently includes:**

- ❖ Technical Assistance via Walk thru Assessments, Energy Audits
- ❖ NH Energy Code Training & Beyond Code Workshops
- ❖ Commercial Energy Auditing / Building Operator Certification Classes
- ❖ Commercial, Industrial & Municipal Seminars (LED, EMS, Retro-commissioning, etc.)
- ❖ K-12 Education programs
- ❖ Homeowner Education: HHI, ButtonUp Workshops, DOE Energy Savers Guide, etc.)

- ❖ **2015 – 2016 Enhancements:**

- ❖ Home Energy Rating for non-Energy Star Builders to get them familiar with ENERGY STAR Requirements.
- ❖ Ambassador Program for builders & Code Officials Program (if DOE Grant awarded)
- ❖ Home Energy Labeling (possible DOE Grant)

Making Sure It's Real



1. Quality Assurance
2. Third Party Evaluation Studies
3. Annual Audits
4. Annual Filings-Review & Approval
5. Ongoing Commission Oversight

Responsive To Change



- Incentives Evolve

- Reduced
- Removed

- New Technologies

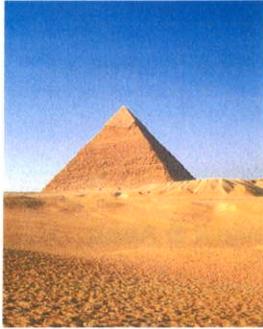
- Beyond experimental
- Information
- Financial incentives

- New Ideas/Opportunities

- Fuel neutral space & water heating
- High efficiency heat pumps (Heating/HW)



Stability Is Important Too...



- Customers, Vendors, and Suppliers need to be able to plan ahead
 - Project approval cycles
 - Long lead time projects
 - Supply chain management
 - ISO-NE Forecast
- Start/Stop...kills program momentum

Questions?

