

Greener Homes



Greener Homes Program

- Energy improvements and related emission reductions
- Affordable rental housing inventory
 - 548 projects – 19,016 units
- Emphasis on older “at risk” properties



Eligible Projects

- ◉ Older rent restricted affordable housing
- ◉ Family, elderly, veterans, special needs, transitional housing, shelters
- ◉ Non profit or for profit ownership
 - (88% non profit owned)



Extended Affordability

- All participating properties commit to a minimum of 20 years of continued affordability restrictions



Greener Homes

Proposed	Actual
\$3 million HOME	\$3 million HOME
\$2 million RGGI	\$2 million RGGI
\$3 million WAP	\$115,000 WAP
	\$500K Utility Rebates
	\$350K in Better Buildings
Total Program Funds: \$8 million	\$5,965,000
Projects: 20	28
Units: 785	950



Greener Homes

○ Project Selection Criteria

- Impact on operating budget (\$ savings)
- Cost effectiveness of improvements (payback period)
- Energy savings (kilowatt hours, gallons of fuel)
- Participation in a comprehensive project rehabilitation



Greener Homes Energy Retrofit Projects

Completed

Project Name	City/Town	Units
Eastern Apartments	Concord	14
Lisbon Inn	Lisbon	20
Pine Manor	Behlehem	6
Wamesit Place	Portsmouth	100
Opera Block	Woodsville	34
Sugar River Mills	Claremont	162
McKee Inn	Lancaster	35
		371

Audited

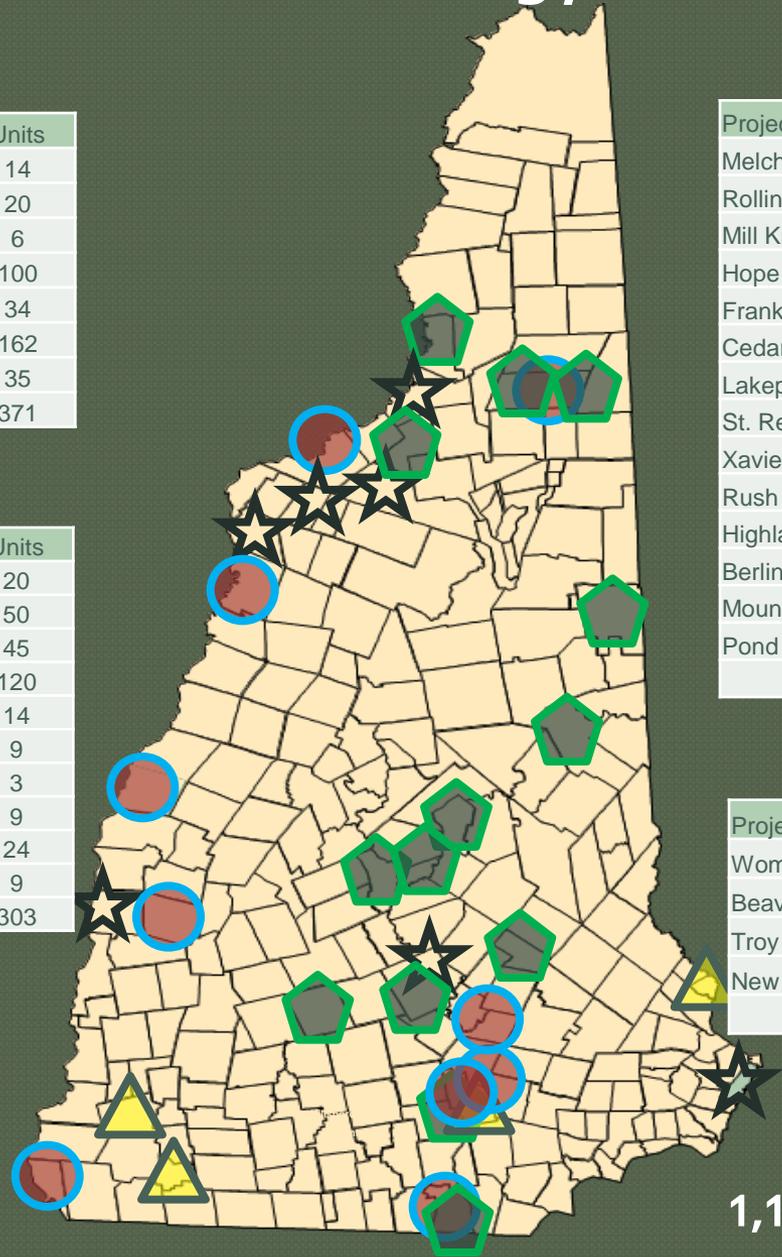
Project Name	City/Town	Units
Spencer Square	Lebanon	20
Newport Village	Newport	50
Pratt Homes	Nashua	45
Brookside Park	Berlin	120
Maple-Walnut	Woodsville	14
Littleton South-West	Littleton	9
Spruce Keys	Manchester	3
Ferry Street	Allentown	9
Renaissance I	Manchester	24
Hinsdale School	Hinsdale	9
		303

Construction

Project Name	City/Town	Units
Melcher Court	Groveton	24
Rolling Green	Pittsfield	40
Mill Knoll	Tilton	17
Hope Avenue	Concord	6
Franklin Falls	Franklin	8
Cedar House	Manchester	30
Lakeport Village	Laconia	75
St. Regis House	Berlin	42
Xavier House	Nashua	34
Rush Square	Henniker	40
Highland House	Whitefield	36
Berlin Housing Authority	Berlin	55
Mountain View Apartments	Ossipee	24
Pond View Apartments	Conway	12
		443

Board Vote

Project Name	City/Town	Units
Women in Transition	Manchester	9
Beaver Mills	Keene	30
Troy Senior	Troy	15
New Hope Housing	Rollinsford	12
		66



1,183 Units 35 Projects

Wamesit Place – Portsmouth



Wamesit - Improvements

- ◉ Electric heat & hot water to gas conversion
- ◉ Foam insulation in all exterior walls & rim joists.
- ◉ Windows with spray foam filling all voids
- ◉ Energy Star appliances

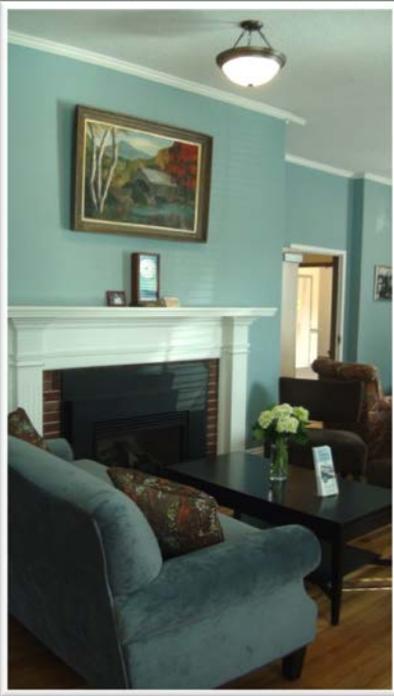


Wamesit - Impacts

- ◉ Net annual operating cost savings of \$107,220
 - (\$300,000 GHP investment)
- ◉ Conversion from tenant paid electric to owner paid gas
 - (\$1,000 per year direct savings to each household)



McKee Inn – Lancaster



McKee Inn - Improvements

- Attic & basement insulation, air sealing
- High-efficiency boilers
- Windows replaced
- Replace all light bulbs with CFLs
- Energy Star refrigerators
- New water heater



McKee Inn - Impacts

- ◉ Fuel use reduction of 50%
- ◉ Electric reduction 35%
- ◉ Annual operating cost savings \$19,282



Eastern Apartments - Concord



Eastern Apartments - Improvements

- ◉ All single-pane windows replaced, all doors weather stripped
- ◉ Modulating boiler
- ◉ Energy Star refrigerators
- ◉ Water heater & storage tank
- ◉ Solar thermal panels



Eastern Apartments - Impacts

- Fuel use reduction – estimated at 37% even without the solar thermal array. With solar thermal, use reduction will approach 60%
- Dramatic reduction in air infiltration after replacing windows & doors – very cost-effective in this case



Greener Homes – Overall Impacts

- Nearly \$500,000 in annual operating cost reductions to participating projects
- Over 1,000 units subject to extended affordability restrictions
- 1 million kWh saved



Greener Homes – Overall Impacts

- 3,631 metric tons of Carbon Dioxide reductions
- Carbon sequestration equivalent to 774 acres of pine forest
- Equivalent to taking 702 cars off the road

