

WEATHERIZATION

- Community Action Program of
- Belknap & Merrimack Counties. Inc.
 - Rob Bowers
 - Energy Auditor



The Mobile "HOME"

- Who are our clients
- What are the problems with these homes
- What we do to weatherize the homes
- How much do we actually save



Who are our clients

- The homes are income eligible at under 200% of Federal Poverty Guidelines
- Elderly
- Disabled
- Low income with children

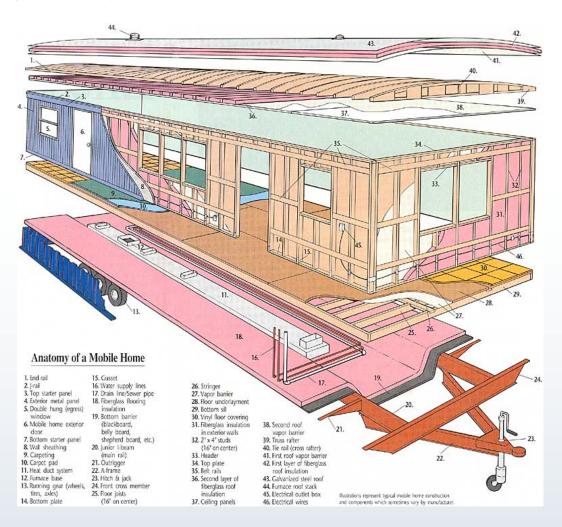


Where are the energy problems

- Ceiling insulation
- Belly insulation
- Heating Ducts
- Oil tanks outside
- Cracked Furnaces CO2 poison
- Leaky Roofs



Opportunity. Investment. Impact.





A wide range of HOMES







Attics / Ceilings







"Belly" Insulation







Heating Ducts







Exterior Fuel Tanks

- Exterior Fuel tanks means 1 thing
- Kerosene is the fuel
- Highest priced fuel =\$4.35 gallon





Furnaces







Roofs











How we weatherize







Weatherization Works







Pre Weatherization

- Fuel
- Ave = 478.6 Gallons @ \$4.35 = \$2,082
 - (Minimum fill is 150 gallons = \$652)

- Electric
- Ave = 11,440 Kw @0.14378 = \$1,644



SAVINGS – AVERAGE HOME

- Gallons of K-1 = 172.56 gallons
- kWh = 3,309.33
- MBtu = 38.86
- CO2e per year = 6,482 lbs / 3.24 tons



Projected Program SAVINGS

- 425 homes
- Gallons saved = 73,336 = \$319,011 / yr.
- kWh saved = 1,406,467 = \$20,218 / yr.
- MBtu saved = 16,515 every year
- CO2e per year = 1,377 Tons every year
- Every 3 homes weatherized the 4th home heats for free – forever



Collaboration

- Over 7,000 annual kWh usage the utilities may fund up to \$4500
- Refrigerators are provided by the utilities
- Major projects Habitat for Humanities –
 "Brush of Kindness Program"
- Non-Eligible neighbors audits & advice



Collaborative w/ Habitat





Roof







Interior







Finished project



