

Bedford 2020 Campaign

Residential Energy Efficiency

April 16, 2008

Disclaimer: Not all measures are appropriate for all homes! This is certainly not a comprehensive list, and some of these items may not be appropriate for certain situations.

Step 1: Before thinking about heating and cooling equipment: Minimize the heating and cooling loads.

Simple Measures

- Air seal. Infiltration is usually the largest portion of residential heating loads. Air sealing can reduce this infiltration and improve comfort (be aware of combustion, moisture, and ventilation issues).
- Compact fluorescent lamps
- Turn OFF equipment when not in use
- Turn down thermostats
- Install programmable thermostats
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- Use window treatments (insulating shades, blinds)
- Keep equipment maintained and tuned
- Replace filters as appropriate

Mid-Range Measures

- More air sealing
- Eliminate open fireplaces
- Seal ducts
- Energy feedback devices

More Intensive/Expensive Measures

- More air sealing
- Insulation and envelope improvements
- Window improvements
- Upgrading / Replacing Equipment
 - Minimum spec: ENERGY STAR Equip. and Appliances
 - Sealed combustion, condensing if practical
 - Efficient fans for furnaces and AC (ECM)
 - Consider unit heaters/coolers (i.e. no ducts or pipes)
 - Efficient water heating
 - Solar Electric
 - Solar Thermal