HOME HEATING

Do you know?

- Between 2007 and 2012, the average U.S. household spent more than 10 percent a year on heating and cooling.

Types of Space Heaters

- Furnace, heat pump, active solar heating, baseboards, radiant heating, and boiler.

Energy-Saving Tip

- Open your curtains when you naturally heat your house.

Periodic maintenance can extend the life of your heating system and minimize efficiency loss.

Heating System Maintenance

- Regularly check air ducts and make sure they are clean.

ANNUAL FUEL UTILIZATION EFFICIENCY (AFUE)

- The efficiency of furnaces, boilers, and heat pumps is measured using the coefficient of performance (COP) and the heating season coefficient of performance (HSPF).

Energy-Saver (www.energy.gov/energysaver), Weatherization Assistance Program Technical Assistance Center

- Furnaces, boilers, heat pumps, and radiant heating are the most common types of home heating systems.

The heating fuels available depend on the region you live in.

HSPF ranges from 6.8-10, COP ranges from 12-30.

ENERGY STAR products, efficiency is, the higher the efficiency.

Heating System Compatibility

- Furnaces are compatible with baseboards, radiant heating, and boilers.

BIOFUEL

- Electricity, gas, oil, and wood are common sources of heating.

Annual fossil fuel cost = ÷

- Expensive to install and may require servicing.

CENTRAL HEATING

- Provides warm air that is distributed.

The control system limits furniture placement and has slow temperature increase.

SOURCES OF SPACE HEATING

- Electric, hydronic, and radiant.

MEASURING A HEATING SYSTEM'S EFFICIENCY

- High efficiency.

ENERGY-SAVING TIP

- Air sealing your home and adding insulation can save big on your energy bills.

PRO

- Quiet operation, baseboard units.

CON

- Relatively trouble free, limits furniture movement, and easily damaged.