

Energy Efficiency Rebates

Efficient Equipment	Rebate Amount
Refrigerators <i>(16 cubic feet or larger, 15% more efficient than the 1997 Federal standard)</i>	\$75
Central Air Conditioners <i>(minimum 14 SEER rating)</i>	\$200 <i>(add'l \$100 for each 1 SEER above 14)</i>
Natural Gas Furnace <i>(90% or greater efficiency and equipped with an ECM variable speed motor)</i>	\$200
Ground Source Heat Pump <i>(minimum 14 SEER rating and COP 3.0 or greater)</i>	\$600 <i>(per ton of installed capacity calculated by CFU)</i>
Air Source Heat Pump <i>(minimum 15 SEER rating and 8.0 HSPF, two stage units)</i>	\$300 <i>(add'l \$100 for each 1 SEER above 15)</i>
Variable Air Speed Handler <i>(equipped with an ECM motor)</i>	\$200
Demand Water Heater <i>(natural gas-fired, minimum Energy Factor of .82)</i>	\$200
Boilers <i>(natural gas-fired and have an AFUE \geq 92%)</i>	\$300
Thermal Envelope Improvements	
Attic/Ceiling Insulation	60% <i>of contracted labor, equipment and materials up to \$1,000</i>
In-Wall Insulation	60% <i>of contracted labor, equipment and materials up to \$1,000</i>
Foundation	60% <i>of contracted labor, equipment and materials up to \$1,000 including rim/band joist which uses a spray foam product</i>
Air Sealing/Caulking/ Weather Stripping	60% <i>of contracted labor, equipment and materials up to \$200</i>

For more information about saving energy in your home, contact CFU Energy Services at 404-4684 or 404-9549.

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The best way to keep your home cool in the summer is to prevent it from getting hot in the first place.

During the summer, about half of the heat that accumulates in a home comes from solar gain; the other half comes from air leaks and heat-producing activities inside the home such as cooking and drying laundry. You can reduce heat gain by a third by shading your house with trees, especially on the east and west windows, adding insulation and ventilating the attic.

Ways to Reduce Your Cooling Costs

- ◆ Close windows when humidity is high.
- ◆ Open windows on cool, low-humidity nights.
- ◆ Use fans to boost a cross breeze.
- ◆ Close the drapes on east and west windows to keep out the sun.
- ◆ Set a programmable thermostat to turn the temperature up when no one is home.
- ◆ Replace incandescent light bulbs with compact fluorescent bulbs.
- ◆ Turn off the television and other electronic equipment when not in use.
- ◆ Minimize your computer's power consumption when you're not using it.
- ◆ Construct a sunshade over a concrete patio.
- ◆ Run your dishwasher late at night.
- ◆ Use an exhaust fan to vent steam from cooking to the outdoors.
- ◆ Use your microwave, toaster oven, crock pot or grill instead of using your stove or oven.
- ◆ Dry clothes on an outdoor clothesline.

A central air conditioning unit will run more efficiently if it's shaded by a fence, tree or landscaping during the hottest part of the day. Be sure to allow enough space around the unit for adequate air circulation (at least 3').

Room air conditioners will run more efficiently if they are located on the north side of your home or in a shaded area.

Whether the goal is saving money, improving air quality or reducing greenhouse gas emissions, energy conservation is the place to start. Buying energy efficient appliances and equipment is a great way to save energy and reduce utility expenses. CFU offers rebates so you can get money back when you invest in qualifying energy efficient appliances and heating and cooling equipment.

Refrigerator

Customers who purchase a new refrigerator may be eligible for a \$75 rebate, depending on the efficiency.

A \$75 rebate will be paid on refrigerators that are 15% more efficient than the 1997 federal standard.

To qualify, customers must dispose of their old unit at the Cedar Falls Transfer Station or have the dealer pick it up. This helps to eliminate retention of older, less energy efficient units.

Download the refrigerator incentive form at www.cfu.net/pdf/appliance_rebate.pdf

Central Air Conditioning Unit

Customers who install a new central air conditioning system may be eligible for a \$200 rebate on qualifying systems. Requirements for the rebate include proper sizing of the unit by CFU Energy Services staff. A 14 SEER (seasonal energy efficiency ratio) minimum rating is also required.

In addition to the rebate, CFU customers may realize up to \$115 in electric savings per year.

Natural Gas Furnace

Customers who purchase a new energy efficient, natural gas -fired furnace may be eligible for a \$200 rebate from CFU.

Requirements for the rebate include proper sizing of the unit by CFU Energy Services staff. The furnace must also be rated at 90 percent and greater efficiency and be equipped with an ECM (electronically commutated motor), variable speed D/C motor.

Customers who use an energy efficient, natural gas fired furnace can expect energy savings of \$100-\$200 a year.

Geothermal Heating & Cooling Unit

CFU rebates are available to customers who install a geothermal ground-source heat pump (GSHP).

The amount of the incentive is based upon the installed heating capacity of the equipment. For ground source systems, the incentive is \$600 per ton of installed capacity.

Geothermal heating and cooling systems save customers 30% to 60% in heating and cooling costs.

For a complete list of rebates offered by CFU, see the next page.

Across the country, heating and cooling an average home consumes almost as much power as all other home energy uses combined. In Iowa, that percentage is even higher due to temperature extremes reached during the winter and summer months.

In many homes, heated air escapes through leaky ceilings, walls and foundations or flows through inadequately insulated attics, exterior walls and basements. Also, many furnaces aren't properly maintained or they are inefficient.

Easy and economical improvements that can add up to big savings include replacing thermostats, sealing leaking ductwork and caulking windows and cracks in siding. It is also important to change furnace filters every month to optimize the efficiency of your furnace.

Before making improvements, you may want to know exactly where heat is escaping from your home. A comprehensive home energy audit is available from CFU Energy Services. An Energy Services staff member will visit your home and use a thermal imaging camera to identify heat loss area and recommend ways to improve the heating efficiency in your home. **Call CFU at 268-5359 or 268-5255 to schedule an energy audit of your home.**

If you frequently repair your furnace, it may be time to replace it. CFU Energy Services staff recommends replacing a furnace that is more than 15 years old with a new, high-efficiency unit.

Ways to Reduce Your Heating Costs

- ◆ Set thermostat at 68 degrees during winter heating, 78 degrees during summer cooling.
- ◆ Use a programmable thermostat or manually set back the temperature setting when you are gone or overnight while you sleep.
- ◆ Regularly change your furnace filter.
- ◆ Keep drapes closed to retain heat, unless you can benefit by sunlight and solar heat.
- ◆ Consider adding insulation to your attic. Unless you already have 10 inches or more of insulation, you can probably benefit by adding more.
- ◆ Consider installation of an energy efficient heating system, either a more efficient furnace or a geothermal or air-source heat pump.
- ◆ Consider the SAFE use of portable space heaters. Portable heat can be effective in lowering energy cost, if you can lower the temperature setting for your whole home and use the space heater as supplemental for the room you are in. Always turn the heater off when you are sleeping or not in the room.
- ◆ Don't use your wood-burning fire place unless it is very efficient and designed for heating. Many fireplaces waste energy and rob the room of already heated air.
- ◆ Check and repair all caulking and weather stripping.

Ways to Reduce Cooling Costs on the next page