

## 2010 Dual Fuel

Dual Fuel Heating is a combination of electric and non-electric or electric and Off Peak Storage Electric space heating. Conventional electric is the primary heating system and the non-electric or Off Peak Electric Storage is the backup system.

With the exception of the Off Peak Storage Electric, the backup heating systems must be capable of heating the whole house during the control period.

Control periods will vary but no more than 12 consecutive hours in a 24 hour period. (Control periods will not exceed 400 hours per heating season.) There is no prior notice of when the primary electric heating will be controlled. Visit our website at [www.kpcoop.com](http://www.kpcoop.com) for possible control periods. Click on the Great River Energy Link and follow the directions. If you have any questions, please call us.

Automatic startup is required for all  
Back-Up Heating  
Systems.



**Rate: .062 per KWH September - May**  
**.072 per KWH June - August**

**Financing: 5.35%**

**Terms: 5 years – up to \$5,000 for installation**

## 2010 Ground Source Heat Pump

The Ground Source Heat Pump utilizes the earth as the medium from which heat is extracted. Water is pumped through a heat exchanger in the heat pump where the heat is extracted. The water is then returned to the ground, either through discharge in a drain field or through a closed earth loop system. Because ground temperatures do not vary as dramatically as outside air temperatures, the heat available for transfer, as well as the unit's operating efficiency, remains relatively constant throughout the winter. At depths of 6 feet or more below the ground, the soil maintains a year-round temperature of about 46 degree F – 50 degree F in this region. In the summer, it's cooler than the outside air; and, in the winter it's warmer – making it an ideal energy source.



Although the initial installation cost may be higher, annual operating costs are much lower than all other types of heating systems. The added savings carry over to summer where cooling costs can be 30% - 50% less than the cost of cooling with an average central air conditioning system.

Ground Source Systems are not interrupted when it's the sole installation in the home.

When put on the Dual Fuel program, it will be controlled according to those strategies and rates.


**Rebate: \$400 per ton**

**Rate: No Special Rate for GSHP only**  
**Dual Fuel Rate applies where backup system is installed**

**Financing: None**



**Kandiyohi Power Cooperative**

Your Touchstone Energy® Partner 

## 2010 Energy Management Programs at a Glance

### **OFF PEAK STORAGE WATER HEATING PROGRAMS:**

Off Peak Water Heating: Install an Off Peak Storage Water Heating System and receive a **\$12.50 credit** each month.

### **OFF PEAK ELECTRIC THERMAL STORAGE HEATING: (ETS)**

Use low off peak rates for your home heating. Off Peak Storage Furnaces, Room Storage Heaters, and Under the Slab Heating Systems qualify.

**Rates:** .052 per KWH

**Rebate:** \$25 per KW

### **DUAL FUEL HEATING: (DF)**

Install Electric Heating as your primary heating system and an approved back-up heating system.

**Rate:** .062 per KWH September - May

.072 per KWH June - August

### **INTERRUPTIBLE AIR CONDITIONING:**

Cycle your air conditioning unit during times of peak demand and receive an **\$8.00 credit** on your bill for the months of July, August, and September.

**Rebate:** \$100 for cycled A/C only

**"Energy Star" rebate varies depending on SEER rating & must be installed by a certified contractor to qualify.**

### **AIR SOURCE HEAT PUMP: (ASHP)**

Install an air-to-air heat pump and get all of your air conditioning plus over 70% of your heating from the same unit.

**Rebate:** **"Energy Star" rebate varies depending on SEER rating & must be installed by a certified contractor to qualify.**

**Rate:** .062 per KWH September - May

.072 per KWH June – August

### **GROUND SOURCE HEAT PUMP: (GSHP)**

Heat is extracted from the earth by water pumped through a heat exchanger in the heat pump. Annual operation costs are much lower than all other types of heating systems. The added savings carry over to summer where cooling costs can be 30% - 50% less than the cost of cooling with an average central air conditioning system.

**Rebate:** \$400 per ton

**Rate:** No Special Rates Apply



8605 47TH STREET NE  
SPICER, MN 56288 (PHN)320-796-1155  
[www.kpcoop.com](http://www.kpcoop.com)

## 2010 Interruptible Air Conditioning and ASHP

### Interruptible Air Conditioning

Central air conditioning or room air conditioners that are on a designated circuit qualify for the credit. The air conditioners are usually controlled during the warmest time of the day. Only the compressor cycles 15 minutes on & 15 minutes off during the control period.

**Rate:** Credit; \$8.00 per month for bill due July, August and September

**Rebate: \$100 for cycled A/C ONLY**

Not applicable if already on our  
cycled cooling program.

**Energy Star Rebates: Must be installed by a certified contractor to qualify for rebates.**  
≥ 13 SEER - \$30    ≥ 14 SEER - \$180  
≥ 15 SEER - \$280    ≥ 16 SEER - \$330

### ASHP (Air Source Heat Pump)

Air source heat pumps are combination cooling and heating systems that provide all of the air conditioning and approximately 70% or more of the heating needs in a typical home in this region. ASHP units should always be sized for the cooling needs of the home.

Only the compressor is controlled.

It is strongly recommended that electric resistance strip heat be installed to provide additional heating at lower temperatures.

**Metered Rate:**

.062 per KWH September – May

.072 per KWH June - August

**Financing: 5.35%**

**Terms: 5 years – up to \$5,000 for installation**

**Rebates: Must be installed by a certified contractor to qualify for rebates.**

≥ 13 SEER - \$330    ≥ 14 SEER - \$480

≥ 15 SEER - \$580    ≥ 16 SEER - \$630

**ALL REBATE FORMS ARE ONLY  
AVAILABLE FROM YOUR CERTIFIED  
HEATING & COOLING CONTRACTOR**

## 2010 Off Peak Electric Thermal Storage (ETS)

Off Peak Electric Thermal Storage (ETS) is a program that utilizes some form of heat storage to take advantage of special low Off Peak rates. Storage Space Heating systems are guaranteed at least an 8 hour charge period per day (usually from 11:00 PM to 7:00 AM). During the rest of the day the stored heat is available to heat the space. Off Peak Storage systems can be whole house heating or just one or two rooms.

Typical systems might be:

Central Off Peak Storage Furnaces

Room storage units

Under The Slab Cable Systems, either electric cable, mats or boiler



**REBATE: \$25/KW**

**RATES (ETS): .052 per KWH**

**Financing: 5.35%**

**Terms: 5 years – up to \$5,000 for installation**

**SAFE, CLEAN, LOW COST  
ELECTRIC HEAT**

## 2010 Water Heating Program

### **OFF PEAK STORAGE WATER HEATING**

\*Control Strategy...guaranteed 8 hours of charge time per day. Usually between the hours of 11pm to 7am.

\*Capacity ... minimum 85 gallon water heater with mixing valve for a family of up to 3. A 105 gallon water heater with a mixing valve is recommended for up to 5 people.

\*Rate ... Credit: \$12.50/month

**\*Rebates:**

\$300 for high efficient water heaters .90 or higher (non Off-Peak electric water heater to Off-Peak Water Heater Program).

\$150 for high efficient electric water heaters .90 or higher in new construction or fossil fuel conversion and put on our Off-Peak Water Heater Program.

**Rebate is applied after installation is completed and available only to Off - Peak members**

**A Proof of Purchase receipt is required for a lifetime warranted water heater purchased for rebate.**

**Contact your plumbing contractor for purchasing your water heater and/or installation charges.**