



# Coon Rapids Municipal Utilities Energy Efficiency Rebate Program

*Adopted for Period: 1/1/10 to 12/31/10*

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### **General Statement**

The efficient use of energy is very important to Coon Rapids Municipal Utilities. Whether the goal is saving money, improving air quality or reducing greenhouse gas emissions, energy conservation is the place to start. From simple lifestyle changes to substantial property improvements, energy efficiency pays off with both economic and environmental benefits for families and businesses. The CRMU Energy Efficiency Rebate Program provides financial incentives to encourage customers to purchase and install energy efficient appliances, lights, HVAC systems and other devices and home improvements which use electricity, natural gas and water wisely. The purpose of the program is to encourage energy savings by education and information, provide incentives to acquire new improved energy efficiency appliances, and provide funds to help the utility with load control and management tools.

### **General Program Information**

1. The effective date is January 1, 2010. Programs may be changed or cancelled by CRMU without notice. Customers should check with the CRMU office for information on programs.
2. The energy efficient device(s) shall be installed in the CRMU service territory and cannot be relocated or sold for resale until retired from service.
3. CRMU reserves the right to verify installation and invoices prior to rebate being paid.
4. CRMU reserves the right to meter (at CRMU expense) installed equipment to aid in determination of actual energy savings.
5. Rebates will not exceed equipment costs minus any manufacturers or dealer rebates.
6. To receive rebates for items for the 2010 program, the items must be purchased and installed during 2010. Rebate applications must be postmarked by January 31, 2011 to qualify for the 2010 rebate program.
7. Customers are responsible to insure that all equipment is installed in accordance with all codes, standards, and regulatory requirements.
8. Rebates will be approved on new devices only. No rebates will be approved for used items.
9. CRMU does not guarantee reduced usage, demand, or cost savings. CRMU makes no warranties, expressed or implied, with the respect to any equipment purchased or installed. In no event shall CRMU be liable for any incidental or consequential damages. CRMU does not endorse any manufacturer or product in this program.
10. Completed applications will be processed on a first come, first served basis, until available funds are committed.
11. Any income tax or taxes which may be payable as a result of the rebate being paid (or applied to the utility account) are the responsibility of the customer.
12. The decision of the Coon Rapids Municipal Utilities regarding any disputes which arise in the rebate program are final.

### **Residential/Commercial/Non-Profit Rebates**

1. Rebates will be issued to the party that paid for the energy efficient item(s). If that party also occupies the residence/business where the device was installed, the rebate will be paid as a credit to the utility account at that location. If that party does not occupy the residence/business where the device was installed, the rebate will be applied as a credit to another utility account in that party's name, or will be given in the form of a check. Payment will be made upon approval of completed application, sales ticket, and CRMU verification.
2. Rebates limitations are listed in Table 1.

### **Local Government Agency Rebates**

1. The following government agencies may apply for rebates under this section: City of Coon Rapids, Carroll County, Coon Rapids – Bayard Community Schools and Coon Rapids Municipal Utilities.
2. Rebates will be paid as a credit to the utility account or may be paid directly to the agency.
3. Rebates are not limited by Table 1.
4. Rebates are not subject to filing deadlines. Agency shall work with CRMU staff to file the rebate on a timely basis upon acceptance of the project as complete.

### **2010 Rebate Programs Offered**

1. Energy Star Appliance Rebate
2. Air Conditioning / Heat Pump Rebate
3. Furnace / Boiler Rebate
4. Water Heater Rebate
5. Lighting Rebate

**Table I  
Maximum Rebate Allowances**

Annual Maximum amount for all residential, commercial, non-profit, and local government rebates to be paid by CRMU for 2010.	Electric: \$14,507 Natural Gas: \$10,469
Annual Maximum Residential rebate per account	\$1,000
Annual Maximum Commercial rebate per account	\$5,000
Annual Maximum Non-Profit rebate per account	\$5,000
Annual Maximum Local Government rebate per account	No Limit

**Table II  
HVAC and Water Heater**

Device	Size/Efficiency	Customer Rebate
Central Air Conditioner	SEER $\geq$ 14.5 (For units < 65,000 Btuh)	\$100
	SEER $\geq$ 16 (For units < 65,000 Btuh)	\$200
Air Source Heat Pump	SEER $\geq$ 14.5 & HSPF $\geq$ 8.2	\$200
	SEER $\geq$ 16.0 & HSPF $\geq$ 8.8	\$400
Ground Source (Geothermal) Heat Pump	Closed Loop System EER $\geq$ 14.1 & COP $\geq$ 3.3 (180,000 Btuh or 15 tons or less)	\$200/ton
	Open Loop System EER $\geq$ 16.2 & COP $\geq$ 3.6 (180,000 Btuh or 15 tons or less)	
	Direct Expansion (DX) System EER $\geq$ 15.0 & COP $\geq$ 3.5 (180,000 Btuh or 15 tons or less)	
Gas Furnace	AFUE $\geq$ 90%	\$200
	AFUE $\geq$ 94%	\$325
	AFUE $\geq$ 96%	\$400
Gas Boiler	AFUE $\geq$ 85%	\$150
	AFUE $\geq$ 90%	\$400
Programmable Thermostat	50% of equipment cost	Max \$25
Electric Water Heater	EF $\geq$ 0.93	\$50
Heat Pump Water Heater	EF $\geq$ 2.0	\$100
Gas Water Heater	EF $>$ 0.62	\$50
Gas Tankless Water Heater	EF $\geq$ 0.82	\$100

**Table III  
Appliances**

Device	Size/Efficiency	Customer Rebate
Refrigerator	(10 cubic feet or larger)	\$50
Freezer	(10 cubic feet or larger)	\$25
Clothes Washer	(Must use Utility's fuel for water heating)	\$50
Dishwasher	(Must use Utility's fuel for water heating)	\$20
Window Air Conditioner	EnergyStar Rated	\$25

**Table IV  
Lighting**

<b>Device</b>	<b>Size/Efficiency</b>	<b>Customer Rebate</b>

## **Appendix**

### **What is Energy Star?**

ENERGY STAR is the trusted, government –backed symbol for energy efficiency helping us all save money and protect the environment through energy-efficient products and practices.

The ENERGY STAR label was established to:

- Reduce greenhouse gas emissions and other pollutants caused by the inefficient use of energy; and
- Make it easy for consumers to identify and purchase energy-efficient products that offer savings on energy bills without sacrificing performance, features and comfort.

### **AFUE (Annual Fuel Utilization Efficiency)**

A rating that denotes the efficiency of gas heating equipment. It is the amount of heating your equipment delivers for every dollar spent on fuel. A higher rating indicates more efficient equipment.

### **COP (Coefficient Of Performance)**

COP of a heat pump is the ratio of the change in heat at the “output” (the heat reservoir of interest) to the supplied work.

### **SEER (Energy Efficiency Ratio)**

The higher the EER rating, the more energy efficient the equipment is. This can result in lower energy costs.

### **EF (Energy Factor)**

EF is the measure of overall efficiency for a variety of appliances. For water heaters, the energy factor is based on three factors: 1) the recovery efficiency, or how efficiently the heat from the energy source is transferred to the water; 2) stand-by losses, or the percentage of heat lost per hour from the stored water compared to the content of the water and 3) cycling losses. For dishwashers, the energy factor is defined as the number of cycles per kWh of input power. For clothes washers, the energy factor is defined as the cubic foot capacity per kWh of input power per cycle. For clothes dryers, the energy factor is defined as the number of pounds of clothes dried per kWh of power consumed.

### **HSPF (Heating Seasonal Performance Factor)**

This rates the efficient operation of the heating portion of the heat pump. As the HSPF increases, the unit functions at a more efficient level.

### **Btuh (British Thermal Units per Hour)**

A BTU is the quantity of heat required to raise 1 pound of water by 1 degree Fahrenheit. Air conditioner cooling capacity is often measured in either Btuh or tons. 1 ton = 12,000 Btuh.