

City of Chaska Electric Department

2019 Business Cooling Rebate Application

If you have questions while completing this form, please contact Energy Management Solutions, Inc. weekdays during business hours for assistance.

Phone: 952-767-7450
Fax: 952-556-9171

Send your completed applications to:

City of Chaska
Electric Department
660 Victoria Drive
Chaska, MN 55318

Checklist For Application:

- Dated detailed invoice including Manufacturer and Model Numbers
- Equipment Specifications including AHRI Certification Table (if applicable) for new and old equipment
- Completed Application including Rebate Calculation Table

By participating in the Chaska Rebate Program, you can save energy and earn a rebate when you install energy efficient cooling in your building. If your project does not fit one of the descriptions below, please contact Energy Management Solutions, Inc. to determine if your project qualifies for a custom rebate.

What products are eligible for the rebate?

REBATE LEVELS AND REQUIREMENTS	BASELINE REBATE		INCREMENTAL REBATE	
	Minimum efficiency	Base rebate per ton	Increment	Increment rebate per ton
Anti-sweat Heater Controls	n/a	\$60/door	n/a	n/a
Chillers – Air Cooled				
< 149 tons	9.7 FLV EER / 14.07 IEER	\$4	0.1 EER	\$1.25 per FLV+ , \$.75 per IPLV
> 150 tons	9.7 FLV EER / 14.32 IEER			0.1 EER above base
Chillers – VFD Retrofit			.01 kW/ton	\$1.50 per IPLV 0.01 kW/ton below base
Chillers – Water Cooled				
All Centrifugal	Improve on MN State Energy Code by 0.016 kW/ton			
< 75 tons (Screw/Scroll)	0.74 FLV kW/ton, 0.59 IPLV kW/ton	\$5	0.01 kW/ton	\$1 per FLV+, \$0.75 per NPLV
75-149 tons (Screw/Scroll)	0.73 FLV kW/ton; 0.57 IPLV kW/ton			0.01 kW/ton below base
150-299 tons (Screw/Scroll)	0.63 FLV kW/ton; 0.53 IPLV kW/ton			
> 300 tons (Screw/Scroll)	0.57 FLV kW/ton; 0.49 IPLV kW/ton			
DX Units (rooftop, split systems and condensing units)				
< 5.4 nominal tons	n/a FLV, 13.7 SEER IPLV			
5.4 – 11.3 nominal tons	11.3 FLV, 12.2 SEER IPLV	\$10	0.01 kW/ton	\$4 per FLV, \$3 per NPLV
11.4 – 19.9 nominal tons	11.1 FLV, 12.1 SEER IPLV			
> 20.0 nominal tons	10.9 FLV, 12.0 SEER IPLV			
EC Motors (Electronically Commutated Motor)				
Display Case (Freezer or Cooler)		\$40/ECMs		
Walk-In (Freezer or Cooler)		\$70/ECMs		
Energy Recovery Ventilators	60% Total Cooling Effectiveness 60% Heating Sensible Effectiveness	\$1 per CFM \$1 per CFM	n/a n/a	n/a n/a
Packaged Terminal Air Conditioner				
<7,000 BTUH	12.1 EER			
7000,-15,000 BTUH	14.2 - (.300 x BTUH/1,000)	\$15	0.1 EER	\$4.00
>15000, BTUH	9.7 EER			
Water Source Heat Pump	13.3 EER	\$50	0.1 EER	\$4
Rooftop Unit Economizer	Enthalpy and CO2 control	\$20	n/a	n/a
Zero Loss Energy Doors				
Freezer	Case Temperature ≤ to 32° F = Freezer	\$150/door	n/a	n/a
Cooler	1° F - 35° F = Cooler	\$100/door		

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How Do I Qualify?

1. General Qualifications

- Rebate offered to non-residential electric customers served by City of Chaska Electric Department.
- Rebate Application including equipment specifications and Rebate Calculation Table must be completed. Incomplete and/or illegible applications will not be processed.
- All equipment must be new and meet specification requirements.
- Equipment must be operated during weekday on-peak demand hours (6 a.m.- 9 p.m.).
- Customers must apply for rebate within one year of the purchase date shown on the equipment invoice.
- Qualifying customers must apply for rebate by November 30, 2019.

2. Application- Limited Funds

Rebate requests are processed on a “first-come first-serve” basis. Annual rebate funds are limited. Rebate programs, qualifications, and amounts are subject to change at any time. Customer is responsible for checking with City of Chaska Electric Department to determine whether the program is still in effect.

3. Inspection and Verification

A City of Chaska Electric Department representative will inspect the site before and after the retrofit has occurred. During the pre-retrofit inspection, the customer will inform the representative of all the changes planned. A post-retrofit inspection will be conducted to verify that all the changes have been made.

4. Invoice and Payment

Following the pre-retrofit inspection, completed installation, and post-retrofit verification, the customer must notify the City of Chaska Electric Department and submit invoice(s) specifying the equipment manufacturer and model numbers, quantity and price of all materials purchased, the date ordered, installation costs and applicable taxes. Invoice should contain the contractor’s name and address as well as the customer’s name and installation address.

5. Installation and Rebate Limitations

Installation must be completed before submitting rebate application. Rebate check will be issued to the customer only. Rebates will not be paid to Supplier or Contractor. The City of Chaska Electric Department will issue rebate in the form of a check, not a utility bill credit. Please allow 6-10 weeks from the date of post-retrofit inspection for delivery of rebate check. Rebate paid cannot exceed the purchase price of labor and materials. The minimum rebate is \$5. Maximum annual rebate dollars per customer will not exceed \$25,000.

6. Tax Information

The City of Chaska Electric Department will not be responsible for any tax liability imposed as a result of the rebate payment(s). Customers are advised to consult their tax advisors before submitting rebate requests.

7. Disclaimer

The City of Chaska Electric Department gives no warranties, expressed or implied, with respect to equipment operation, material, workmanship or manufacturing. The City of Chaska Electric Department does not guarantee that the implementation of energy-efficient measures or use of equipment purchased or installed pursuant to this program will result in energy or cost savings. In no event shall the City of Chaska Electric Department be liable for any incidental or consequential damage. The City of Chaska Electric Department is not responsible for the disposal of equipment replaced as a result of this program.

8. Privacy

Information contained in this rebate application may be shared with the Department of Commerce and Energy Management Solutions, Inc.

9. Rebate Exclusions

- Rebate will not be given for equipment or designs that do not comply with local, state or federal regulations.
- The City of Chaska Electric Department is not liable for rebates promised to a customer as a result of a contractor misrepresenting the program.

City of Chaska Electric Department

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COMPLETE THESE FIVE EASY STEPS TO GET YOUR REBATE.

STEP 1: CUSTOMER INFORMATION (please print clearly)

Company Name _____
Account Number _____ Contact Name _____
Phone _____ Email _____
Address _____ City _____ State ____ Zip ____
Installation Address (if different) _____

STEP 2: ENTER VENDOR INFORMATION (please print clearly)

Vendor Name _____ Vendor Contact Name _____
Vendor Address _____ City _____ State ____
Phone _____ Email _____

STEP 3: COMPLETE REBATE CALCULATION TABLE

Attached Rebate Calculation Table calculates the dollar amount of the rebate. Rebate paid cannot exceed the purchase price of labor and materials.

STEP 4: ATTACH NECESSARY DOCUMENTATION (must be submitted with rebate application)

- Copy of detailed dated invoice(s) specifying the equipment manufacturer and model numbers, quantity and price of all materials purchased, date ordered, installation costs and applicable taxes.
- Equipment specifications including AHRI Certification Table (if applicable) for new and old equipment.

STEP 5: CUSTOMER SIGNATURE

I hereby certify that all information is accurate including claims of efficiency, size and customer information. I have read all information on this form and agree that City of Chaska Electric Department may verify information I have provided.

X _____ Date _____

FOR CITY OF CHASKA ELECTRIC DEPARTMENT USE ONLY. DO NOT WRITE IN THIS AREA.

Customer Type (select one): Commercial Industrial

Approved By _____ Date _____ Rebate Amount \$ _____



Anti-sweat heater controls

# of Doors	Manufacturer	Model #	Case temp	Rebate calculation	Total rebate
			Freezer Cooler	— # Doors x \$60 =	\$
			Freezer Cooler	— # Doors x \$60 =	\$

Chiller – air cooled

Size	Minimum qualifying efficiency		Rebate			
	Full load	Part load	Base	Full load	Part load	
<149 tons	9.71 EER	14.07 IEER	\$4/ton	\$1.25	\$0.75	
≥150 tons	9.71 EER	14.32 IEER				
# Units	Manufacturer	Model #	Full load tons	EER	IEER	Rebate

Total rebate = size + full load + part load
Size = \$7 x unit tons
Full load = \$1.25 x ((unit EER – minimum qualifying EER) / .1) x unit tons
Part load = \$0.75 x ((unit IEER – minimum qualifying IEER) / .1) x unit tons

Chiller – centrifugal

Size	Minimum qualifying efficiency		Rebate			
	Full load	Part load	Base	Full load	Part load	
All	Improve on MN State Energy Code by .016 kW/ton		\$5/ton	\$1	\$0.75	
# Units	Manufacturer	Model #	Full load tons	FLV (kW/ton)	NPLV (kW/ton)	Rebate

Total rebate = size + full load + part load
Size = \$10 x unit tons
Full load = \$1 x ((minimum qualifying FLV kW/ton - unit FLV kW/ton) / .1) x unit tons
Part load = \$0.75 x ((minimum qualifying NPLV kW/ton - unit NPLV kW/ton) / .1) x unit tons

Chiller – screw or scroll

Size	Minimum qualifying efficiency		Rebate			
	Full load	Part load	Base	Full load	Part load	
<75 tons	.74 kW/ton	.59 kW/ton	\$5/ton	\$1	\$0.75	
75 – 149 tons	.73 kW/ton	.57 kW/ton				
150 – 299 tons	.63 kW/ton	.53 kW/ton				
≥300 tons	.57 kW/ton	.49 kW/ton				
# Units	Manufacturer	Model #	Full load tons	FLV (kW/ton)	NPLV (kW/ton)	Rebate

Total rebate = size + full load + part load
Size = \$10 x unit tons
Full load = \$1 x ((minimum qualifying FLV kW/ton - unit FLV kW/ton) / .1) x unit tons
Part load = \$0.75 x ((minimum qualifying NPLV kW/ton - unit NPLV kW/ton) / .1)



Chiller – VFD retrofit						
Rebate	\$1.50 per 0.01 IPLV kW/ton below base					
# Units	Manufacturer	Model #	Chiller ton	Previous IPLV	Post IPLV (kW/ton)	Rebate
Rebate = \$1.50 x ((previous IPLV kW/ton – post IPLV kW/ton)/.1) x chiller tons						

DX unit (rooftop, split system, & condensing units)						
Size	Minimum qualifying efficiency		Rebate			
	Full load	Part load	Base	Full load	Part load	
<5.4 tons	n/a	13.7 SEER	\$10/ton	\$4	\$3	
5.4–11.3 tons	11.3 EER	12.2 IEER				
11.4–19.9 tons	11.1 EER	12.1 IEER				
>20.0 tons	10.9 EER	12.0 IEER				
# Units	Manufacturer	Model #	Full load tons	EER	IEER/SEER	Rebate
Total rebate = size + full load + part load Size = \$25 x tons Full load = \$4 x ((unit EER – minimum qualifying EER)/.1) x tons Part load = \$3 x ((unit IEER – minimum qualifying IEER)/.1) x tons						

Energy recovery ventilators								
Rebate	\$1/CFM cooling side AND \$1/CFM heating side							
Qualification	At least 60% total cooling effectiveness At least 60% heating sensible effectiveness							
# Units	Manufacturer	Model #	CFM	Heating effectiveness	Cooling effectiveness	Equipment EER	ERV pressure drop	Rebate
Rebate = \$1 x CFM (if qualify for cooling rebate only) Rebate = \$2 x CFM (if qualify for cooling and heating rebates)								

Electronically commutated motor – display case					
# ECMs	Manufacturer	Model #	Case temp	Rebate calculation	Total rebate
			Freezer Cooler	— #ECMs x \$40 =	\$
			Freezer Cooler	— #ECMs x \$40 =	\$



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2019 Business Cooling Rebate Calculation Table, 3 of 3

Electronically commutated motor – walk in						
# ECMs	Manufacturer	Model #	Case temp	Fan size	Rebate calculation	Total rebate
			Freezer Cooler	Less than 15" More than 15"	____#ECMsx\$70=	\$
			Freezer Cooler	Less than 15" More than 15"	____#ECMsx\$70=	\$

Packaged Terminal Air Conditioner (PTAC)					
Size	Minimum qualifying efficiency	Rebate			
		Base	Efficiency		
< 7,000 BTUH	12.1 EER	\$15/ton	\$4		
7,000 - 15,000 BTUH	14.2 EER - (.300xBTUH/1,000)				
> 15,000 BTUH	9.7 EER				
# Units	Manufacturer	Model #	BTUH	EER	Rebate

Rebate = size + efficiency
Size = \$35 x tons (tons = BTUH/12,000)
Efficiency = \$4 x ((unit EER - minimum qualifying EER) / .1) x unit tons

Water source heat pump					
Rebate	Based on size and efficiency above minimum qualification				
Qualification	Minimum of 13.3 EER				
# Units	Manufacturer	Model #	Tons/unit	EER	Rebate

Rebate = size + efficiency
Size = \$50 x tons
Efficiency = \$4 x ((unit EER - minimum qualifying EER) / .1) x unit tons

Zero loss energy door – cooler (>32 F°)				
# of Doors	Manufacturer	Model #	Rebate calculation	Total rebate
			____#Doorsx\$100=	\$
			____#Doorsx\$100=	\$

Zero loss energy door – freezer (≤32 F°)				
# of Doors	Manufacturer	Model #	Rebate calculation	Total rebate
			____#Doorsx\$150=	\$
			____#Doorsx\$150=	\$

