

City of Chaska Electric Department

2022 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 | | |
| Night Setback Thermostats (NSB T'stats) | | \$50/NSB T'stat | | |

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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, 2022.

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. Any project with an expected rebate greater than \$5,000 requires a pre-inspection.

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

2022 Business Cooling Rebate Application

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 |
| | | | | | | |

Totalrebate=size+full load+part load
Size=\$4xunit tons
Full load=\$1.25x((unitEER–minimum qualifying EER)/.1)xunit tons
Part load=\$0.75x((unitIEER–minimum qualifying IEER)/.1)xunit 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 |
| | | | | | | |

Totalrebate=size+full load+part load
Size=\$5xunit tons
Full load=\$1x((minimum qualifying FLV kW/ton - unit FLV kW/ton)/.1)xunit 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 | .74kW/ton | .59kW/ton | \$5/ton | \$1 | \$0.75 | |
| 75–149 tons | .73kW/ton | .57kW/ton | | | | |
| 150–299 tons | .63kW/ton | .53kW/ton | | | | |
| ≥300 tons | .57kW/ton | .49kW/ton | | | | |
| # Units | Manufacturer | Model # | Full load tons | FLV (kW/ton) | NPLV (kW/ton) | Rebate |
| | | | | | | |

Totalrebate=size+full load+part load
Size=\$5xunit tons
Full load=\$1x((minimum qualifying FLV kW/ton - unit FLV kW/ton)/.1)xunit tons
Part load=\$0.75 x ((minimum qualifying NPLV kW/ton - unit NPLV kW/ton)/.1)



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2022 Business Cooling Rebate Calculation Table, 2 of 3

| 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 = \$10 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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2022 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 = \$15 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 |
| | | | ____ # Doors x \$100 = | \$ |
| | | | ____ # Doors x \$100 = | \$ |

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

| Night Setback Thermostats | | | | |
|---------------------------|--------------|---------|-----------------------------|--------------|
| # of NSB T'Stats | Manufacturer | Model # | Rebate calculation | Total rebate |
| | | | ____ # NSB T'stats x \$50 = | \$ |