

Refrigeration

Brandon Johnson C.E.M.

Bemidji – Energy Management Rep

COMMERCIAL REFRIGERATION

****AVAILABLE TO MN CUSTOMERS ONLY****



- Topics:
 - Refrigeration Optimization-NEW for 2024!
 - Rebate Opportunities and Breakdown

REFRIGERATION OPTIMIZATION

- Study the setpoints and characteristics of the refrigeration controls
 1. Screen participant for potential savings and eligibility
 2. Set monitoring equipment to record refrigeration system use characterizes
 3. Perform onsite assessment of the system
 4. Look for system adjustments that result in energy savings
 5. Written report with findings/recommendations
 1. kW and kWh savings
 2. Estimates cost
 3. Payback period



REBATES: REFRIGERATION CASES

	Case measures	Incentive
	Antisweat heater control (retrofit)	\$20/linear ft. of case
	Antisweat heater control - condenser-based	\$40/linear ft. of case
New!	Case lighting controls (retrofit)	\$60/linear ft. of case
New!	Door addition to open cases—cooler (retrofit)	\$50/linear ft. of case
New!	Door addition to open cases—freezer (retrofit)	\$75/linear ft. of case
	High evaporator temperature cases	\$20/linear ft. of case
	High-efficiency glass doors	\$40/linear ft. of case
	LED lighting—low-temp	\$100/door
	LED lighting—mid-temp	\$100/door
New!	Night shades—coolers and freezers	\$20/linear ft. of case
New!	Replace island case—multideck with doors (retrofit)	\$45/linear ft. of case
New!	Thermal expansion valve (TXV) to electronic expansion valve (EEV)	\$15/total rack HP

REBATES: CONDENSERS, FANS, AND COMPRESSORS

	Condenser measures	Incentive
New!	Adiabatic condensers (new)	\$45/total rack HP
New!	Low-speed condenser fans (new)	\$165/total rack HP
	Preservation of condenser subcooling (retrofit)	\$40/HP
	Solid-state condenser fan controls (retrofit)	\$50/HP

	Fan motor measures	Incentive
	High-efficiency evaporator fan motor (new)	\$10/motor
	High-efficiency evaporator fan motor (retrofit)	\$40/motor
New!	Permanent magnet fan motor (new)	\$10/motor
New!	Permanent magnet fan motor (retrofit)	\$40/motor

	Compressor measures	Incentive
	Conversion to solid-state compressor controls (retrofit)	\$50/HP
New!	Digital capacity modulation	\$30/total rack HP
	Floating head pressure on rack (retrofit)	\$25/HP
	Floating head pressure (stand alone)	\$60/HP
	Parallel rack (retrofit)	\$100/HP

	Other measures	Incentive
	Outdoor air cooling (natural cool)	\$2/cfm airflow
New!	Strip curtains—coolers and freezers	\$8.50/square ft. of curtain

COMMERCIAL REFRIGERATION: PREVENTATIVE MAINTENANCE

Preventive maintenance discounts

Compressor horsepower serviced	Customer price	Maximum reimbursement
1 to 30 HP	\$29.95	\$525
31 to 100 HP	\$39.95	\$800
101 to 200 HP	\$49.95	\$1,050

- Excuse for you to get inside their store and identify sales opportunities
 - **Contractor bills OTP, not the customer for this work**
 - OTP pays contractor this reimbursement rebate
 - Customer pays 'Customer Price' on their electric bill
 - Remaining amount is billed by contractor to customer
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REFRIGERATION REBATE: EXAMPLE

- Example of rebate calculation for 4-door and 6-door case

Case Name	Ref Schedule	Location	LED (Y/N)	ECM (Y/N)	HE Doors (Y/N)	# Doors	# Fans	Comp HP	Case Length (ft)	LED (\$100/Door)	ECM (\$40 ea)	HE Door (\$40/ft)	Anti-Sweat (\$20/ft)	Total Rebate
1	RVMC24 -4 door	Cooler	Yes	Yes	Yes	4	2	0.5	8	\$ 400.00	\$ 80.00	\$ 320.00	\$ 160.00	\$ 960.00
2	RVMC24 -6 door	Cooler	Yes	Yes	Yes	6	3	0.5	12	\$ 600.00	\$ 120.00	\$ 480.00	\$ 240.00	\$ 1,440.00
						10	5	1	20	\$ 1,000.00	\$ 200.00	\$ 800.00	\$ 400.00	\$ 2,400.00
														\$ 2,400.00

REBATES: DOCUMENTATION NEEDED

Documentation we need from the contractors:

(along with completed customer rebate application)

- Model numbers
 - A spec sheet for the equipment installed
 - Invoices for equipment installed
 - Install date
 - Project summaries are helpful, but not required
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CONTRACTOR COLLABORATION WITH OTP

- We want to know about your projects.
 - Text, call, email EMR to update OTP on any potential projects
 - Provide customers with contact information for your EMR
 - We can provide you with marketing materials to give your customers.
- We are happy to help with the rebate paperwork



THANK YOU!

