



Commercial & Industrial Improvements Program July 1, 2018 – June 30, 2019

It is in the joint interest of North Western Electric Cooperative (NVEC) and its electric members to reduce the demand for electricity and promote the value of energy efficiency. The Commercial & Industrial (C&I) Improvements Program offers funding for specific energy efficient equipment purchase and installation, when program specifications are met, thereby encouraging NVEC's member businesses to reduce energy use.

The C&I Improvements Program is offered to C&I businesses who receive their electric service from NVEC. The business member must agree to adhere to the program requirements.

C&I Improvements Program Eligibility

In order for a member to be eligible for the C&I Improvements Program:

- The building must be a commercial or industrial structure which uses electricity from NVEC.
- Businesses eligible for the C&I Improvements Program include commercial and industrial businesses, local government, not-for-profit and private institutions, colleges and universities, and K-12 schools.
- Only equipment specified in the REBATE section is eligible.
- All equipment must be new. Used or rebuilt equipment is not eligible.
- All projects must comply with applicable federal, state and local laws and building codes.

C&I Improvements Program Conditions of Rebate

- Purchase and installation of all equipment must be between June 1, 2018 and June 30, 2019.
- **Submit the C&I Improvements Rebate Application and a copy of the contractor or equipment company DETAILED invoice of improvements installed by June 15, 2019.**
- An NVEC employee or representative must perform an onsite visit to the member facility by June 30, 2019 to confirm installation of improvements.
- **Labor and/or installation costs are not eligible for rebate**, and are not to be included as part of equipment cost submitted.

- Only one rebate for improvements will be granted per facility per fiscal year (July 1 – June 30) and cannot be combined with other incentive programs.
- Rebate may not exceed 50% of equipment cost (excluding labor), up to a total maximum rebate amount of \$5,000 per rebate application.

Rebate

Eligible for rebate are the following:

- **Electric Chillers**

Rebate when installing new high efficiency water or air-cooled chiller in place of a standard (baseline) chiller unit in either an existing facility or new construction. Rebate may not exceed 50% of equipment cost. Rebate calculated as follows:

Water-Cooled

| | |
|---------------|--------------|
| Rotary | \$15 per ton |
| Reciprocating | \$10 per ton |
| Centrifugal | \$20 per ton |

Water-Cooled Minimum Efficiency

| Description | kW/ton-IPVL |
|------------------------|-------------|
| Rotary screw 75-150 | 0.554 |
| Rotary screw 150-300 | 0.552 |
| Rotary screw >300 | 0.486 |
| Reciprocating All Size | 0.552 |
| Centrifugal 150-300 | 0.536 |
| Centrifugal 300-600 | 0.494 |

Air-Cooled

| | |
|-----------|--------------|
| All types | \$20 per ton |
|-----------|--------------|

Air-Cooled Minimum Efficiency

| Size | kW/ton-IPLV |
|------------|-------------|
| <150 tons | 0.864 |
| >=150 tons | 0.847 |

- **High-Efficiency Air Compressors with Variable Frequency Drive**

Rebate when installing a high-efficiency air compressor with variable frequency drive in either an existing facility or new construction. Rebate may not exceed 50% of equipment cost. Rebate calculated as follows:

| Motor Efficiency | Motor Horsepower |
|------------------|---------------------|
| >=90% | \$90 per Horsepower |

- **High-Efficiency Motors**

Rebate when replacing less efficient motors with higher efficiency motors meeting current NEMA standards in an existing facility. Rebate may not exceed 50% of equipment cost. Rebate per motor is based on Horsepower (HP) size and calculated as follows:

| Total Incentive | HP | Open | | | Closed | | |
|-----------------|-----|----------|----------|----------|----------|----------|----------|
| | | 3600 RPM | 1800 RPM | 1200 RPM | 3600 RPM | 1800 RPM | 1200 RPM |
| \$10.00 | 1 | 77.1% | 85.6% | 82.6% | 77.1% | 85.6% | 82.6% |
| \$10.00 | 1.5 | 84.1% | 86.6% | 86.6% | 84.1% | 86.6% | 87.6% |
| \$12.00 | 2 | 85.6% | 86.6% | 87.6% | 85.6% | 86.6% | 88.6% |
| \$15.00 | 3 | 85.6% | 89.6% | 88.6% | 86.6% | 89.6% | 89.6% |
| \$18.00 | 5 | 86.6% | 89.6% | 89.6% | 88.6% | 89.6% | 89.6% |
| \$22.00 | 7.5 | 88.6% | 91.1% | 90.3% | 89.6% | 91.8% | 91.1% |
| \$26.00 | 10 | 89.6% | 91.8% | 91.8% | 90.3% | 91.8% | 91.1% |
| \$28.00 | 15 | 90.3% | 93.1% | 91.8% | 91.1% | 92.5% | 91.8% |
| \$30.00 | 20 | 91.1% | 93.1% | 92.5% | 91.1% | 93.1% | 91.8% |
| \$45.00 | 25 | 91.8% | 93.7% | 93.1% | 91.8% | 93.7% | 93.1% |
| \$60.00 | 30 | 91.8% | 94.2% | 93.7% | 91.8% | 93.7% | 93.1% |
| \$65.00 | 40 | 92.5% | 94.2% | 94.2% | 92.5% | 94.2% | 94.2% |
| \$70.00 | 50 | 93.1% | 94.6% | 94.2% | 93.1% | 94.6% | 94.2% |
| \$80.00 | 60 | 93.7% | 95.1% | 94.6% | 93.7% | 95.1% | 94.6% |
| \$110.00 | 75 | 93.7% | 95.1% | 94.6% | 93.7% | 95.5% | 94.6% |
| \$130.00 | 100 | 93.7% | 95.5% | 95.1% | 94.2% | 95.5% | 95.1% |
| \$150.00 | 125 | 94.2% | 95.5% | 95.1% | 95.1% | 95.5% | 95.1% |
| \$180.00 | 150 | 94.2% | 95.9% | 95.5% | 95.1% | 95.9% | 95.9% |
| \$230.00 | 200 | 95.1% | 95.9% | 95.5% | 95.5% | 96.3% | 95.9% |
| \$280.00 | 250 | 95.1% | 95.9% | 95.5% | 95.9% | 96.3% | 95.9% |

- **High Frequency Battery Chargers (Fleet)**

Rebate when installing high-frequency battery chargers versus standard conventional ferroresonant (FR) or silicon-controlled rectifier (SCR) chargers in an existing facility. Rebate may not exceed 50% of equipment cost. Rebate calculated as follows:

| High Frequency | |
|----------------|---------------|
| >=60 Hz | \$80 per unit |

- **LED Lighting with Sensors for Refrigerated Cases**

Rebate when replacing T8 with equivalent LED lamp and motion sensors in refrigerated cases (example: supermarkets) in an existing facility. New construction applies. Rebate may not exceed 50% of equipment cost. Rebate calculated as follows:

| | |
|--------------------------|--|
| LEDs with motion sensors | \$24 per linear foot of lighted, refrigerated case |
|--------------------------|--|

- **Occupancy Sensors/Controls for LED Lighting**

Rebate when installing new sensors/controls for LED lighting in an existing facility where controls were not previously installed or new construction. Rebate may not exceed 50% of equipment cost. Rebate calculated as follows:

| Occupancy Sensor Type | Rebate Amount |
|--------------------------------|-----------------------------|
| Wall Mounted | \$0.020 per watt controlled |
| Ceiling Mounted | \$0.030 per watt controlled |
| Fixture Mounted | \$0.060 per watt controlled |
| Remote Mounted Dimming | \$0.045 per watt controlled |
| Fixture Mounted Dimming | \$0.036 per watt controlled |
| Switching Controls Multi Level | \$0.160 per watt controlled |
| Central Controls (Timelocks) | \$0.040 per watt controlled |

- **Occupancy Sensors/Controls for HVAC**

Rebate when installing occupancy controls for HVAC equipment in an existing facility with electric heat system only, including hotel/motel guest rooms. Rebate may not exceed 50% of equipment cost. Rebate calculated as follows:

\$60 per unit

- **Open Refrigerated Case Door Retrofit**

Rebate when retrofitting open refrigeration cases with doors for energy savings in an existing facility. Rebate may not exceed 50% of equipment cost. Rebate calculated as follows:

\$100 per linear foot of refrigerated case

- **Variable Frequency Drives for HVAC**

Rebate when installing variable frequency drive motors for HVAC pumps and fans in an existing facility. Rebate may not exceed 50% of the equipment cost. Rebate calculated as follows:

\$40 per Brake Horsepower (BHP) of motor driven by VFD

Program Review

The Cooperative will annually review this program to determine its continuance for another 12 month period.