# HVAC rebate programs

## VALUE FOR YOUR BUSINESS

Did you know cooling and ventilation use about 20% of the energy in buildings nationwide? Whether you're installing cooling in a new facility, replacing a dated or unreliable system, or upgrading to a higher efficiency model, you'll benefit from:

- Immediate operation savings on the new equipment
- Lower maintenance costs
- Up-to-date, reliable, efficient equipment
- More comfortable working conditions

With lower cooling and maintenance costs, you'll have more money to invest in your business, instead of spending it on operations and maintenance.

## HOW DOES IT WORK?

The cooling rebate program provides rebates for qualifying commercial cooling equipment. The rebates are paid on a $/ton basis. The higher the efficiency of your cooling system, the higher your rebate will be.

Prescriptive rebates are available for the following commercial cooling equipment:

- Air Source Heat Pumps (ASHPs)
- Chillers
- Condensing units
- Economizers
- Packaged Terminal Air Conditioners (PTAC)
- Rooftop units (RTUs)
- Split systems
- Water source heat pumps

## WHO CAN PARTICIPATE?

Any commercial, agricultural or industrial cooperative member can participate. Rebuilds are not eligible for rebates. The new equipment must use a minimum ozone-depleting refrigerant. Documents establishing proof-of-purchase must be furnished with the rebate application.

## WHAT YOU WILL RECEIVE

Rebate based on installed equipment and efficiency and years of savings on your cooling costs.

**"Don't lose your cool with your electric bill**

## WHAT YOU NEED TO DO

1. Your are responsible for checking with Nobles Cooperative Electric to verify funding availability and program parameters.
2. Installation must be complete before funds will be issued.
3. Itemized invoices from equipment vendors must accompany rebate application.
4. Invoices must itemize labor charges, quantity and price of the equipment installed.
5. Invoices must include manufacturer and model numbers for the installed equipment.
6. NCE reserves the right to conduct inspections.
7. The maximum rebate amount is limited to 50% of the project costs, with limited availability on funds.

## CONTACT US AND START SAVING TODAY

If you have any questions or need assistance in making these savings a reality for your business, please contact your local energy expert Nobles Cooperative Electric.

# HVAC Rebates

## Rebate application

### BUSINESS MEMBER INFORMATION

Business name _____

Installation address _____

City _____ State _____ ZIP _____

Contact name _____ Account # _____

Email _____ Phone _____

### REBATE RECIPIENT

To release the rebate incentive check to an alternate party other than the cooperative business member, the member must specify an alternative mailing address and authorize with a signature below.

Please send rebate to (check one):

☐ Business member ☐ Alternative recipient

Recipient name _____

Mailing address _____

City _____ State _____ ZIP _____

Contact name _____

### APPLICATION CHECK LIST

☐ Rebate application with signature

☐ Itemized project invoices (labor and materials)

☐ Equipment specifications

The undersigned does hereby certify that the undersigned is solely responsible for the accuracy of the information contained in this application. All rules of the program have been followed and the installation is complete. The undersigned acknowledges that nothing contained in the application imposes any liability on the cooperative for the work performed and information presented by the member, member's engineer, contractor, or vendor. The undersigned also authorized payment of incentive directly to the specified rebate recipient.

**Rebate applications due no later than the third Friday in November.**

### MEMBER SIGNATURE

Member signature _____ Date _____

# HVAC Rebates

## Rebate application

### DX & Heat Pump Systems – (RTUs, Plus Unitary & Split Systems) – $100/ton

#### DX Systems Table

| EQUIPMENT TYPE | COOLING CAPACITY | HEATING SECTION TYPE | MINIMUM ENERGY EFFICIENCY CRITERIA |
|---|---|---|---|
| **Very Small DX** (Single Package) | < 65,000 btu/h | All | 15.2 SEER2; 11.5 EER2 |
| **Very Small DX** (Split System) | < 65,000 btu/h | All | 15.2 SEER2; 12.0 EER2 |
| **Small DX Unit** | ≥65,000 btu/h – 135,000 btu/h | Electric Resistance (or none) | 12.7 EER; 18.0 IEER |
| | | All other | 12.5 EER; 17.8 IEER |
| **Large DX Unit** | ≥135,000 btu/h – 240,000 btu/h | Electric Resistance (or none) | 12.2 EER; 17.0 IEER |
| | | All other | 12.0 EER; 16.8 IEER |

#### Heat Pump Systems Table

| EQUIPMENT TYPE | COOLING CAPACITY | MINIMUM ENERGY EFFICIENCY CRITERIA |
|---|---|---|
| **Very Small HP RTU or HP system** (split or packaged) | < 65,000 btu/h | 15.2 SEER2; 10.6 EER2; 7.2 HSPF2 |
| **Small HP RTU** | ≥65,000 btu/h – 135,000 btu/h | 14.6 IEER; 10.8 EER; 3.5 COP@47°F |
| **Medium HP RTU** | ≥135,000 btu/h – 240,000 btu/h | 13.8 IEER; 10.4 EER; 3.4 COP@47°F |
| **Large HP RTU** | ≥ 240,000 btu/h | 12.8 IEER; 9.3 EER; 3.3 COP@47°F |

Manufacturer _____ Model Number _____

Cooling Capacity (Btu/h) – 1 ton = 12,000 Btu/h _____ Heating Capacity (Btu/h)* _____

Action Type ☐ New ☐ Retrofit

System Type ☐ Split ☐ Single package ☐ RTU

Quantity _____

*Applicable to heat pumps only

| < 5.5 TONS | ≥ 5.5 TONS |
|---|---|
| SEER2 | IEER |
| EER2 | EER |
| HSPF2* | COP @ 47° F* |
| **Existing heating system fuel/type*:**<br>☐ Electric resistance<br>☐ Natural Gas or Propane<br>☐ ASHP<br>☐ None | |

*Applicable to heat pumps only

# HVAC Rebates

## Rebate application

### Economizers – $10/ton

Manufacturer _____ Model Number _____

Cooling Capacity (Btu/h) – 1 ton = 12,000 Btu/h _____ Heating Capacity (Btu/h) _____

SEER2 _____ System tons _____

Quantity _____

Air Volume ☐ Constant ☐ Variable

### Packaged Terminal Air Conditioners (PTACs) – $60/ton

Manufacturer _____ Model Number _____

Cooling Capacity (Btu/h) – 1 ton = 12,000 Btu/h _____ EER _____

Quantity _____

Action Type ☐ New ☐ Retrofit

### Packaged Terminal Heat Pumps – $80/ton

| EQUIPMENT | SIZE/COOLING CAPACITY | MINIMUM REQUIRED EER* | MINIMUM REQUIRED COP* |
|---|---|---|---|
| **PTHP, Standard Size** (used for New Construction) | <7000 | 11.9 | 3.3 |
| | 9000 | 11.3 | 3.2 |
| | 12000 | 10.4 | 3.1 |
| | >15000 | 9.5 | 2.9 |
| **PTHP, Non-Standard Size** (used for Replacements** Only) | <7000 | 9.3 | 2.7 |
| | 9000 | 8.9 | 2.7 |
| | 12000 | 8.2 | 2.6 |
| | >15000 | 7.6 | 2.5 |

* Cap = cooling capacity in Btu/h at 95°F, outdoor dry-bulb temperature

** Replacement unit shall be factory labeled as follows: "MANUFACTURED FOR REPLACEMENT APPLICATIONS ONLY; NOT TO BE INSTALLED IN NEW CONSTRUCTION PROJECTS". Replacement efficiencies apply only to units with existing sleeves less than 16 inches (406mm) in height and less than 42 inches (1067mm) in width.

Manufacturer _____ Model Number _____

Cooling Capacity (Btu/h) – 1 ton = 12,000 Btu/h _____ Heating Capacity (Btu/h) _____

EER _____ COP _____

Quantity _____

Action Type ☐ New ☐ Retrofit

# HVAC Rebates

## Rebate application

### ENERGY STAR Ductless Mini Splits – $100/ton

Manufacturer _____ Model Number _____

Cooling Capacity (Btu/h) – 1 ton = 12,000 Btu/h _____ Heating Capacity (Btu/h) _____

**Equipment Rating Information**

SEER/SEER2 Rating (leave blank if unknown) _____ ☐ SEER ☐ SEER2

EER/EER2 Rating (leave blank if unknown) _____ ☐ EER ☐ EER2

HSPF/HSPF2 Rating (ASHPs only) _____ ☐ HSPF ☐ HSPF2

Quanity _____

### Ground Source Heat Pump – $400/ton New or $200/ton Retrofit

**Applies to Ground Source Heat Pumps and Ground Water Source Heat Pumps**

***Additional rebate for Master Installer, see below.**

Manufacturer _____ Model Number _____

Cooling Capacity (Btu/h) – 1 ton = 12,000 Btu/h _____ Heating Capacity (Btu/h) _____

EER _____ COP _____

Quantity _____

Equipment type ☐ GSHP ☐ GWSHP

Action Type ☐ New ☐ Retrofit

***Certified IGSHPA Master Installer (if applicable) $100/ton additional for master installer**

Installer Name _____

Certification Number _____

# HVAC Rebates

## Rebate application

### Chillers – $20/ton

#### Minimum Chiller efficiencies table

| EQUIPMENT | PATH A* | | PATH B** | |
|---|---|---|---|---|
| | FLV_AHRI (kW/ton) | IPLV_AHRI (kW/ton) | FLV_AHRI (kW/ton) | IPLV_AHRI (kW/ton) |
| **Water Cooled Scroll or Screw Chiller < 75 tons** | 0.750 | 0.600 | 0.780 | 0.500 |
| **Water Cooled Scroll or Screw Chiller ≥ 75 and < 150 tons** | 0..720 | 0.560 | 0.750 | 0.490 |
| **Water Cooled Scroll or Screw Chiller ≥ 150 and < 300 tons** | 0.660 | 0.540 | 0.680 | 0.440 |
| **Water Cooled Scroll or Screw Chiller ≥ 300 tons** | 0.610 | 0.520 | 0.625 | 0.410 |
| **Water Cooled Centrifugal Chiller < 150 tons** | 0.610 | 0.550 | 0.695 | 0.440 |
| **Water Cooled Centrifugal Chiller ≥ 150 and < 300 tons** | 0.610 | 0.550 | 0.635 | 0.400 |
| **Water Cooled Centrifugal Chiller ≥ 300 and < 600 tons** | 0.560 | 0.520 | 0.595 | 0.390 |
| **Water Cooled Centrifugal Chiller ≥ 600 tons** | 0.560 | 0.500 | 0.585 | 0.380 |
| **Air Cooled Chiller with Condenser < 150 tons** | 10.1 EER Btu/Wh | 13.7 EER Btu/Wh | 9.7 EER Btu/Wh | 15.8 EER Btu/Wh |
| **Air Cooled Chiller with Condenser ≥ 150** | 10.1 EER Btu/Wh | 14.0 EER Btu/Wh | 9.7 EER Btu/Wh | 16.1 EER Btu/Wh |

* Path A is for traditional applications and where the intended applications are expected to have significant operating times at full load conditions, typically a non VFD controlled unit.

** All Path B chillers must be equipped with demand limiting controls or VFD controlled units.

*** FLV_AHRI = 12 / EER and IPLV_AHRI = 12 / SEER

Manufacturer _____ Model Number _____

Integrated part load value (IPLV) of new unit _____ Full load value (FLV) of new unit _____

Cooling Capacity (Btu/h) – 1 ton = 12,000 Btu/h _____

Leaving condenser water temp (*F) _____ Leaving evaporator water temperature (*F) _____

* Required for water cooled systems

Quantity _____

**Installed path:**

☐ Path A – designed to operate at full load conditions

☐ Path B – designed to utilize VFD controls

**Chiller type:**

☐ Water cooled scroll chiller ☐ Water cooled screw chiller

☐ Water cooled centrifugal chiller ☐ Air cooled chiller with condenser

For water cooled centrifugal chillers:

Was the unit designed to operate under standard AHRI test conditions – 44º leaving chilled water temp and 85º entering condenser water temp – 3 gpm/ton water flow? ☐ Yes ☐ No