

# HVAC Rebates

## Rebate Application



### Business Member Information

Business Name \_\_\_\_\_  
Installation Address \_\_\_\_\_  
City, State, Zip \_\_\_\_\_  
Contact Name \_\_\_\_\_  
Email \_\_\_\_\_  
Phone Number \_\_\_\_\_  
Account Number \_\_\_\_\_

### Application Check List

- Rebate application with signature
- Itemized project invoices (labor & 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 by the second Friday in November.**

### Member Signature

### Date

\_\_\_\_\_

\_\_\_\_\_

# HVAC Rebates

## Rules & Information

### Warranty Information

Rebate qualifications do not imply any representation or warranty of such equipment, design or installation by the cooperative. The cooperative shall not be responsible or liable for any personal injury or property damage caused by this equipment. The cooperative does not guarantee that a specific level of energy or cost savings will result from the implementation of energy conservation measures or the use of products funded under this program. In no event shall the cooperative be liable for any incidental or consequential damages.

### General Program Rules

1. Installation must be complete before application is submitted and funds are issued.
2. Members and vendors must submit itemized equipment invoices, rebate application, and manufacturer equipment specifications. To ensure that the equipment installed meets the cooperative's performance standards, these invoices must itemize labor charges, quantity and price of the equipment installed, as well as information regarding the manufacturer and model numbers for all equipment included in the rebate.
3. The cooperative reserves the right to conduct random inspections of installations.
4. Rebates must be applied for within 12 months of invoice date.
5. Project must comply with all program specific rules and qualifications.
6. The member is responsible for checking with the cooperative to determine funding availability and to verify program parameters.
7. The rebate shall not exceed 50% of project cost up to \$25,000 per project.
8. Rebate amount subject to change at any time without notice.
9. Once funds are depleted, project will be processed the following rebate year and will be subject to the new year amounts.

### RTUs, Split Systems, Condensers, & ASHPs

- Only new central air conditioning units and remote condensing unit retrofits qualify. Rebuilds do
- If the efficiency rating is in EER and the application asks for SEER,  $SEER = EER / 0.875$

#### Split Systems

- Both the condensing unit and the A-coil must be purchased to qualify for this rebate.

### PTAC & Ductless mini-Splits

- Only new equipment units qualify. Rebuilds do not qualify.

### Ground-Source Heat Pump (Geothermal)

- New installations with a new loop field and replacement units with existing loop fields qualify
- Only closed loop systems qualify

# HVAC Rebates

## Rules & Information (continued)

### Chillers & Cooling Towers

#### Chillers

1. No rebates will be provided for back-up systems. Back-up systems are defined as a separate chiller that is required only when a primary chiller fails.
2. The basis for the rebate efficiency level will be design conditions and chiller efficiency data as contained in the manufacturer specifications.
3. Use the Full-Load Efficiency for the base rebate on centrifugal chillers  $\geq 150$  tons.
4. Cooling Tower VFDs shall not be combined with the motors and drives program

### Healthy Buildings

#### Economizers

- Enthalpy and CO<sub>2</sub> controls are required to qualify for this rebate.

#### Demand Control Ventilation (DCV)

- Applies to the retrofit of existing constant volume equipment or optional addition to new or replacement equipment

#### Advanced Rooftop Controller (ARC)

- Rebate cannot be combined with DCV or supply-fan VSD rebates
- New or replacement RTUs with an economizer can be combined with the ARC

#### Ultraviolet Germicidal Irradiation (UVGI) Lighting

- Equipment specifications should indicate UV-C spectrum lighting equipment

# HEATING AND COOLING

## 2023 Reference and Conversion Sheet

**Notice:** On January 1, 2023 the Department of Energy (DoE) began using a new testing procedure to rate the efficiency of air conditioners and air source heat pumps. These changes require new metrics (SEER2/EER2/HSPF2) that were derived from the DoE's new test procedure (M1) rather than the historical metrics (SEER/EER/HSPF) from the old test procedure (M).

The simple conversion table below will help you to identify air conditioning (AC) and air source heat pump (ASHP) equipment that qualifies for ENERGYWISE rebates using the following steps.

**Step 1:** Determine what ratings system was used for the equipment model that you plan to purchase.

**Step 2:** Confirm that the efficiency ratings of the new equipment exceeds the requirements for the rebate measure you are applying for using the table below to convert between the old and new efficiency ratings when needed.

| SEER | DUCTED SEER2 | DUCTLESS SEER2 |
|------|--------------|----------------|
| 14.0 | 13.4         | 14.0           |
| 14.5 | 13.8         | 14.5           |
| 15.0 | 14.3         | 15.0           |
| 15.5 | 14.8         | 15.5           |
| 16.0 | 15.2         | 16.0           |
| 17.0 | 16.2         | 17.0           |
| 17.5 | 16.7         | 17.5           |
| 18.0 | 17.2         | 18.0           |
| 19.0 | 18.1         | 19.0           |
| 20.0 | 19.0         | 20.0           |

| EER  | DUCTED EER2 | DUCTLESS EER2 |
|------|-------------|---------------|
| 10.2 | 9.8         | 10.2          |
| 11.0 | 10.5        | 11.0          |
| 11.5 | 11.0        | 11.5          |
| 11.7 | 11.2        | 11.7          |
| 12.0 | 11.5        | 12.0          |
| 12.2 | 11.5        | 12.2          |
| 12.5 | 12.0        | 12.5          |
| 13.0 | 12.5        | 13.0          |

| HSPF | DUCTED SPLIT HSPF2 | DUCTED PACKAGE HSPF2 | DUCTLESS HSPF2 |
|------|--------------------|----------------------|----------------|
| 8.0  | 6.8                | 6.7                  | 7.7            |
| 8.2  | 7.0                | 6.9                  | 7.9            |
| 8.8  | 7.5                | 7.4                  | 8.4            |
| 9.0  | 7.7                | 7.6                  | 8.6            |
| 9.5  | 8.1                | 8.0                  | 9.1            |
| 10.0 | 8.5                | 8.4                  | 9.5            |
| 11.0 | 9.4                | 9.2                  | 10.4           |

NOTE: The cross references for efficiency in the above tables should be noted as approximate.

# HVAC Rebates

## DX Units

| Rebates for Rooftop Units (RTUs) Split Systems & Condensers |         |          |            |          |          |
|-------------------------------------------------------------|---------|----------|------------|----------|----------|
| Size (Tons)                                                 |         | SEER     |            |          |          |
|                                                             |         | >14      |            |          |          |
| X-Small                                                     | <5.4    | \$62     |            |          |          |
| Size (Tons)                                                 |         | EER      |            |          |          |
|                                                             |         | >10-11.5 | >11.6-12.5 | >12.6-14 | >14.1+   |
| Small                                                       | 5.4-10  | \$ 65    | \$ 125     | \$ 234   | \$ 240   |
| Medium                                                      | 10.1-20 | \$ 147   | \$ 432     | \$ 735   | \$ 805   |
| Large                                                       | 20.1+   | \$ 729   | \$ 891     | \$ 1,296 | \$ 1,404 |

| Manufacturer  | Qty | SEER or EER | Rebate per Unit | Rebate Subtotal |
|---------------|-----|-------------|-----------------|-----------------|
|               |     |             |                 |                 |
|               |     |             |                 |                 |
|               |     |             |                 |                 |
|               |     |             |                 |                 |
|               |     |             |                 |                 |
| Total Rebate: |     |             |                 |                 |

\*To receive a rebate, new and replacement equipment efficiency ratings must be **greater than** the minimums assigned in the above matrix.

\*\* Rebates listed above are per unit.



# HVAC Rebates

## Packaged Terminal Air Conditioners & Ductless Mini-Split

| Minimum Qualifying Criteria                             |             |             |          |
|---------------------------------------------------------|-------------|-------------|----------|
|                                                         | SEER        | \$/ton      |          |
| <b>Packaged Terminal Air Conditioners (PTAC)</b>        |             | \$50.00     |          |
| With electric resistance heating                        | 14.0        |             |          |
| With heat pump heating*                                 | 13.0        |             |          |
| <b>Ductless Mini-Split</b>                              | <b>SEER</b> | <b>HSPF</b> | \$125.00 |
| replacing electric resistance heating (no existing a/c) | 13.0        | n/a         |          |
| replacing ASHP or elect heat with a/c                   | 14.00       | 8.5         |          |

| PTAC w/ Resistance Heating |       |            |           |      |        |
|----------------------------|-------|------------|-----------|------|--------|
| Manufacturer               | Model | # of Units | Tons/unit | SEER | Rebate |
|                            |       |            |           |      |        |
|                            |       |            |           |      |        |

| PTAC w/ Heat Pump Heating |       |            |           |      |        |
|---------------------------|-------|------------|-----------|------|--------|
| Manufacturer              | Model | # of Units | Tons/unit | SEER | Rebate |
|                           |       |            |           |      |        |
|                           |       |            |           |      |        |

| Ductless Mini-Split replacing electric resistance heating (no a/c) |       |            |           |      |      |        |
|--------------------------------------------------------------------|-------|------------|-----------|------|------|--------|
| Manufacturer                                                       | Model | # of Units | Tons/unit | SEER | HSPF | Rebate |
|                                                                    |       |            |           |      |      |        |
|                                                                    |       |            |           |      |      |        |

| Ductless Mini-Split replacing ASHP or elect heat (with a/c) |       |            |           |      |      |        |
|-------------------------------------------------------------|-------|------------|-----------|------|------|--------|
| Manufacturer                                                | Model | # of Units | Tons/unit | SEER | HSPF | Rebate |
|                                                             |       |            |           |      |      |        |
|                                                             |       |            |           |      |      |        |

|                     |                      |
|---------------------|----------------------|
| Project Cost        | <input type="text"/> |
| <b>Total Rebate</b> | <input type="text"/> |

# HVAC Rebates

## Chillers & Cooling Tower VFDs

| Minimum Qualifying Criteria        |                        |                       |                     |                                                |
|------------------------------------|------------------------|-----------------------|---------------------|------------------------------------------------|
| Equipment Type Unit Tons           | Base Efficiency        |                       | Base Rebate, \$/ton | Incremental rebate \$/ton per .01 FLV (kW/ton) |
| <b>Air Cooled Chillers</b>         |                        |                       |                     |                                                |
|                                    | FLV                    | IPLV                  | \$15.00             | \$2.00                                         |
| < 150 Tons                         | 1.255                  | 0.96                  |                     |                                                |
| ≥ 150 Tons                         | 1.255                  | 0.94                  |                     |                                                |
| <b>Water Cooled Chillers</b>       |                        |                       |                     |                                                |
|                                    | with VFD<br>FLV / IPLV | w/o VFD<br>FLV / IPLV | Base Rebate, \$/ton | Incremental rebate \$ per 0.01 FLV (kW/ton)    |
| < 150 tons (centrifugal)           | 0.639 / 0.45           | 0.634 / 0.596         | \$15.00             | \$2.00                                         |
| ≥ 150 to ≤ 300 tons (centrifugal)  | 0.639 / 0.45           | 0.634 / 0.596         |                     |                                                |
| ≥300 tons (centrifugal)            | 0.6 / 0.4              | 0.576 / 0.549         |                     |                                                |
| < 150 Tons (screw/scroll)          | 0.78 / 0.586           | 0.775 / 0.615         |                     |                                                |
| ≥ 150 to ≤ 300 tons (screw/scroll) | 0.718 / 0.54           | 0.68 / 0.58           |                     |                                                |
| ≥300 tons (screw/scroll)           | 0.639 / 0.49           | 0.62 / 0.54           |                     |                                                |

FLV - Fully Loaded Value

### Air Cooled Chiller

| Manufacturer | Model | Tons/Unit | VFD | FLV | FLV <sub>b</sub> | IPLV | Rebate |
|--------------|-------|-----------|-----|-----|------------------|------|--------|
|              |       |           |     |     |                  |      |        |
|              |       |           |     |     |                  |      |        |

### Water Cooled Chiller

| Manufacturer | Model | Tons/Unit | VFD | FLV | FLV <sub>b</sub> | IPLV | Rebate |
|--------------|-------|-----------|-----|-----|------------------|------|--------|
|              |       |           |     |     |                  |      |        |
|              |       |           |     |     |                  |      |        |

Project Cost

Total Rebate

|  |
|--|
|  |
|  |



# HVAC Rebates

## Ground Source Heat Pump (Geothermal Heat Pump)

| Minimum Qualifying Criteria |                    |        |               |         |                                                            |
|-----------------------------|--------------------|--------|---------------|---------|------------------------------------------------------------|
| Equipment Type              | Minimum Efficiency |        | Rebate \$/ton |         | Specific Rules                                             |
|                             | EER                | C.O.P. | New           | Replace |                                                            |
| Geothermal Heat Pumps       | EER                | C.O.P. | New           | Replace |                                                            |
| Closed Loop                 | ≥ 13.4             | ≥ 3.1  | \$400         | \$200   | ISO 13256-1<br>(EER EWT @ 32° F Heat & COP 77° F Cooling)  |
| Open Loop                   | ≥ 16.2             | ≥ 3.6  |               |         | ISO 13256-1<br>(EER EWT @ 59° F heat, & COP 50° F Cooling) |

EER - Energy Efficiency Ratio (Btu/Watt)    C.O.P. - Coefficient of Performance

### Ground Source Heat Pump

| Manufacturer | Model Number | EER | COP | # Units | Tons/unit | Rebate |
|--------------|--------------|-----|-----|---------|-----------|--------|
|              |              |     |     |         |           |        |
|              |              |     |     |         |           |        |
|              |              |     |     |         |           |        |

### Certified Master Installer (if applicable)

Installer Company Name \_\_\_\_\_  
 Certification number \_\_\_\_\_

Project Cost \_\_\_\_\_  
**Total Rebate** \_\_\_\_\_

### Required Information

Building Square Footage \_\_\_\_\_  
 Earth Loop Specifications \_\_\_\_\_  
 Heat Output (BTUs) \_\_\_\_\_  
 Contractor \_\_\_\_\_  
 Architect \_\_\_\_\_  
 Mechanical Engineer \_\_\_\_\_

# HVAC Rebates

Economizers, DCV, ARC, & UVGI

| Rebate                                             |                                       |                       |
|----------------------------------------------------|---------------------------------------|-----------------------|
| Economizers                                        | Enthalpy & CO <sub>2</sub> controlled | \$10 / Ton            |
| Demand Control Ventilation (DCV)                   |                                       | \$10 / Ton            |
| Advanced Rooftop Controller (ARC)                  |                                       | \$50 / ton            |
| Ultraviolet Germicidal Irradiation (UVGI) Lighting |                                       | \$0.10/installed watt |

| Economizers  |     |          |      |  |        |
|--------------|-----|----------|------|--|--------|
| Manufacturer | Ton | Quantity | SEER |  | Rebate |
|              |     |          |      |  |        |
|              |     |          |      |  |        |
|              |     |          |      |  |        |

\*Must have both Enthalpy and CO<sub>2</sub> controls to qualify

| Demand Control Ventillation (DCV) |        |
|-----------------------------------|--------|
| Total Tonnage                     | Rebate |
|                                   |        |

| Advanced Rooftop Controller (ARC) |            |            |     |               |        |
|-----------------------------------|------------|------------|-----|---------------|--------|
| Total Tonnage                     | ΔT cooling | ΔT heating | EER | supply fan HP | Rebate |
|                                   |            |            |     |               |        |
|                                   |            |            |     |               |        |
|                                   |            |            |     |               |        |

| UVGI Lighting     |              |        |
|-------------------|--------------|--------|
| Installed wattage | Applicataion | Rebate |
|                   |              |        |
|                   |              |        |
|                   |              |        |

|              |  |
|--------------|--|
| Project Cost |  |
| Total Rebate |  |