

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. You are responsible for checking with Federated Rural 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. Federated reserves the right to conduct inspections.
7. The maximum rebate amount is limited to 50% of the project costs, and **\$100,000** annually per member.

CONTACT US AND START SAVING TODAY

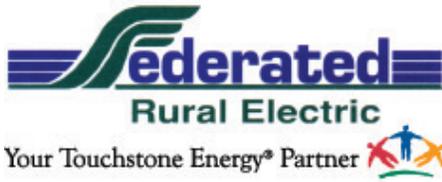
If you have any questions or need assistance in making these savings a reality for your business, please contact your local energy expert at Federated.



PO Box 69, Jackson, MN 56143-0069
www.federatedrea.coop
info@federatedrea.coop
facebook.com/federated
507-847-3520 or 1-800-321-3520

HVAC Rebates

Rebate Total \$ _____



PO Box 69, Jackson, MN 56143-0069
www.federatedrea.coop
info@federatedrea.coop
facebook.com/federated
507-847-3520 or 1-800-321-3520

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 _____

For office use only: Credit entered on account: Filed:
Date received: _____ Initials: _____ _____
908.460

HVAC Rebates

Rebate application

Unitary & Split DX & Air Source Heat Pump (ASHP) – \$100/ton

Efficiency Requirements Reference Table

EQUIPMENT TYPE	COOLING CAPACITY	HEATING SECTION TYPE	MINIMUM ENERGY EFFICIENCY CRITERIA
Very Small ASHP (Single Package)	< 65,000 Btu/h	All	15.2 SEER2 10.6 EER2 7.2 HSPF2
Very Small ASHP (Split System)	< 65,000 Btu/h	All	15.2 SEER2 11.7 EER2 7.8 HSPF2
Small ASHP	>65,000 Btu/h – <135,000 Btu/h	Electric Resistance or None	11.8 EER 15.3 IEER 3.5 COP at 47° F 2.4 COP at 17° F
		All other	11.6 EER 15.1 IEER 3.5 COP at 47° F 2.4 COP at 17° F
Large ASHP	>135,000 Btu/h – <240,000 Btu/h	Electric Resistance or None	11.1 EER 14.5 IEER 3.4 COP at 47° F 2.1 COP at 17° F
		All other	10.9 EER 14.3 IEER 3.4 COP at 47° F 2.1 COP at 17° 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

Quantity _____

< 5.5 TONS	≥ 5.5 TONS
SEER2	IEER
HSPF2	EER
	COP
	Existing heating type: <input type="checkbox"/> Electric resistance heat <input type="checkbox"/> Gas <input type="checkbox"/> ASHP <input type="checkbox"/> None

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

Quantity _____

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 – 44° leaving chilled water temp and 85° entering condenser water temp – 3 gpm/ton water flow? Yes No