

2012 IOWA

HEATING AND COOLING EQUIPMENT PROGRAM

*Invest in the energy efficiency of your business
with short-term incentives and long-term savings.*



save
some
green®

INCENTIVES THAT COOL YOUR ENERGY BILLS AND HEAT UP YOUR SAVINGS.

MidAmerican Energy Company's EnergyAdvantage[®] Heating and Cooling program offers financial incentives to all nonresidential customers in Iowa who purchase electricity and/or natural gas from MidAmerican Energy. MidAmerican Energy offers you a rebate which reduces your out-of-pocket costs. Your installation of new energy-efficient equipment saves you money over the life of your equipment on monthly energy bills and makes your business environment more comfortable.

Eligible Equipment

- Air conditioners (central and room type)
- Chillers
- Heat pumps, including geothermal
- Natural gas boilers
- Natural gas furnaces
- Natural gas water heaters (tank and tankless)
- Package terminal heat pumps and air conditioners
- Efficient furnace fan motors
- Programmable thermostats

Equipment installed as replacement units, retrofits or in new construction is eligible. A complete list of eligible equipment and program guidelines is attached.



How to Participate

1. Installer completes Dealer Information, New Equipment Information and Dealer Agreement sections.
2. Installer provides dated invoice(s), including manufacturer's name, model/serial number and quantity of high-efficiency equipment purchased and installed.
3. Customer completes Customer Information, Customer Agreement and Heating and Cooling Equipment Survey sections and submits form, along with copy of completed dated invoice(s) to:

MidAmerican Energy Company
EnergyAdvantage Programs
P.O. Box 4628
Des Moines, IA 50305-4628

or fax to 515-244-8825

Once equipment is operating and your application is reviewed and approved by MidAmerican Energy, your rebate check will be issued. Allow four to six weeks for processing.

Questions? Call MidAmerican Energy at 800-894-9599.

2012 IOWA ELIGIBLE HEATING AND COOLING EQUIPMENT (NONRESIDENTIAL)

EQUIPMENT TYPE	MINIMUM COOLING EFFICIENCY ¹	MINIMUM HEATING EFFICIENCY ¹	REBATES
Air Conditioners			
Room Air Conditioner	ENERGY STAR®-rated		\$25
Air-Cooled			
< 65 MBtuh	14.0 SEER		\$100
< 65 MBtuh	≥ 15.0 SEER		\$200
≥ 65 and < 135 MBtuh	> 11.2 EER		(\$50 x (EER - 11.2)) x tons
≥ 135 and < 240 MBtuh	> 11.0 EER		(\$50 x (EER - 11.0)) x tons
≥ 240 and < 760 MBtuh	> 10.0 EER		(\$50 x (EER - 10.0)) x tons
≥ 760 MBtuh	> 9.7 EER		(\$50 x (EER - 9.7)) x tons
Water-Cooled			
< 65 MBtuh	12.6 EER		(\$50 x (EER - 12.5)) x tons
≥ 65 and < 135 MBtuh	12.1 EER		(\$50 x (EER - 12.0)) x tons
≥ 135 MBtuh and < 240 MBtuh	> 11.0 EER		(\$50 x (EER - 11.0)) x tons
≥ 240 MBtuh	> 11.5 EER		(\$50 x (EER - 11.5)) x tons
Package Terminal Air Conditioners – New Construction	9.3 – 11.0 EER ⁶		\$50
Package Terminal Air Conditioners – Replacement Units	7.7 – 9.4 EER ⁶		\$50
Heat Pumps			
Air-Source			
< 65 MBtuh	14.0 SEER	< 8.5 HSPF	\$100
< 65 MBtuh	14.0 SEER	≥ 8.5 HSPF	\$200
< 65 MBtuh	≥ 15.0 SEER	< 8.5 HSPF	\$200
< 65 MBtuh	≥ 15.0 SEER	≥ 8.5 HSPF	\$400
≥ 65 and < 135 MBtuh	> 11.0 EER	3.4 COP ²	(\$50 x (EER - 11.0)) x tons
≥ 135 and < 240 MBtuh	10.8 EER	3.2 COP	(\$50 x (EER - 10.7)) x tons
≥ 240 MBtuh and < 760 MBtuh	10.0 EER	3.2 COP	(\$50 x (EER - 9.9)) x tons
≥ 760 MBtuh	9.7 EER	3.2 COP	(\$50 x (EER - 9.6)) x tons
Water-Source			
< 17 MBtuh	11.8 EER	4.4 COP ²	(\$50 x (EER - 11.7)) x tons
≥ 17 MBtuh	12.6 EER	4.4 COP	(\$50 x (EER - 12.5)) x tons
Ground-Source (Geothermal)			
Closed loop	14.1 EER	3.3 COP ²	\$300 per heating ton plus \$300 per ton ground loop ³
Open loop	> 16.2 EER	> 3.6 COP	\$300 per heating ton
Desuperheater	NA	NA	\$100
Package Terminal Heat Pumps – New Construction	9.1 – 10.8 EER ⁶	2.8 – 3.0 COP ^{2,6}	\$50
Package Terminal Heat Pumps – Replacement Units	7.6 – 9.3 EER ⁶	2.5 – 2.7 COP ^{2,6}	\$50
Chillers			
Air-Cooled, w/condenser	< 1.25 kW/ton ⁴		(((\$400 x (1.25 - kW/ton)) + \$10) x tons
Water-Cooled			
< 150 tons	< 0.70 kW/ton ⁴		(((\$400 x (0.70 - kW/ton)) + \$10) x tons
≥ 150 and < 300 tons	< 0.63 kW/ton ⁴		(((\$400 x (0.63 - kW/ton)) + \$10) x tons
≥ 300 tons	< 0.58 kW/ton ⁴		(((\$400 x (0.58 - kW/ton)) + \$10) x tons
Furnaces (Natural Gas)			
< 225 MBtuh		92 – 93.9 AFUE	\$250
< 225 MBtuh		94 – 95.9 AFUE	\$325
< 225 MBtuh		≥ 96 AFUE	\$400
≥ 225 MBtuh		See Nonresidential Custom Systems Program	
Efficient Fan Motor for Natural Gas Furnace⁵		CEE air handling ratio < 0.02	\$50
Boilers (Natural Gas)			
< 300 MBtuh			
85-89.9 AFUE		85 AFUE	\$150
≥ 90 AFUE		90 AFUE	\$400
≥ 300 and ≤ 2,500 MBtuh		82 Thermal Efficiency (TE)	(\$0.80 + (\$0.20 x (TE - 82))) x MBtuh
> 2,500 MBtuh		See Nonresidential Custom Systems Program	
Water Heaters (Natural Gas)			
Conventional storage type or tankless – all sizes ≥ 30 gallons		0.62 – 0.66 Energy Factor	\$50
≥ 75 MBtuh		0.67 – 0.79 Energy Factor	\$100
		≥ 0.80 Energy Factor	\$300
		≥ 0.85 Thermal Efficiency	(\$0.80 + (\$0.20 x (TE - 85))) x MBtuh
		≥ 0.80 Energy Factor minimum for tankless	
Water Heaters (Electric)			
≥ 40 gallons		≥ 0.93 Energy Factor	\$50
Heat Pump Water Heaters			
≥ 20 and ≤ 80 gallons		≥ 2.0 Energy Factor	\$100
Programmable Thermostats	5-1-1, 5-2 or 7-day Must have 2 or more setbacks		\$20

¹ Equipment efficiencies to be rated at full load according to test procedures and conditions specified in ASHRAE Standard 90.1.

² COP rated at 47° F dry bulb.

³ New ground loop installation only. Maximum rebated loop size determined by the rated heating capacity of installed unit.

⁴ kW/ton = 12/EER

⁵ Must meet minimum heating efficiencies from the furnace section above.

⁶ Minimum efficiency based on Btu size. See International Energy Conservation Code 2009, table 503.3(3) for required efficiency levels.

For all energy-efficient equipment not listed above, please see the **2012 Nonresidential Custom Systems program** brochure.

2012 IOWA HEATING AND COOLING EQUIPMENT APPLICATION (NONRESIDENTIAL)

ATTENTION
Photocopy this form and
save the original for future use or
download additional copies at
www.midamericanenergy.com/iowa_hvac.

Complete both sides of this application and attach copies of invoices.

Mail to: MidAmerican Energy Company, EnergyAdvantage Programs, P.O. Box 4628, Des Moines, IA 50305-4628
or fax to 515-244-8825. Call 800-894-9599 with questions about the program.

My facility had an energy assessment in the following program (check if applicable):

- Nonresidential Energy Analysis/*EfficiencyPartners*[®] Multifamily Housing
 Small Commercial Audit/*BusinessCheck*[®] Agriculture

Date audit completed (month/year) _____

Customer Information

MidAmerican Energy account number (found on bill; first seven digits only)

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Installation address _____

City _____ State _____ ZIP _____

Company name on bill _____

Rebate check (if applicable) should be payable to _____

Mailing address _____

City _____ State _____ ZIP _____

Contact person _____ Title _____

Phone _____ Email _____

Customer Agreement

My signature indicates consent to and agreement with all program terms and conditions, certifies that all information on this application is correct, and that all of the listed new equipment has been purchased, installed and is operating at the indicated location. **I understand that MidAmerican Energy Company reserves the right to inspect and verify installation before or after issuing the rebate payment.**

Customer signature _____ Date _____

Heating and Cooling Equipment Survey

1. This new equipment is for:

- Replacement New installation New construction

2. Equipment installed in what type of facility? (check one)

- Lodging School/College Restaurant Office >60,000 sq. ft. Industrial/Manufacturing
 Hospital Manufacturing Warehouse Office <60,000 sq. ft. Multifamily Housing
 Retail Convenience Store Fast Food Agribusiness Other _____

3. Building size (cooled or heated space only) _____ sq. ft. (area)

4. Year building was constructed _____

Installing Dealer Information

Dealer name _____

Address _____

City _____ State _____ ZIP _____

Contact person _____ Phone _____

Fax _____ Email _____

Dealer Agreement

I certify that all equipment and installation information provided on this application is correct and accurate.

Installer/dealer signature _____ Date _____

Please justify additional expenses incurred in installation process.

For MidAmerican Energy Use			
Project ID _____	Sector type _____	Audit date _____	
Gas rate _____	Electric rate _____	Audit ID _____	
Date received _____ / _____ / _____	Date approved _____ / _____ / _____	Equipment approved by _____	
Rebate total amount _____	Gas amount _____	Electric amount _____	

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save the original for future use or
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www.midamericanenergy.com/iowa_hvac.

Complete both sides of this application and attach copies of invoices.

New Equipment Information (Identify each individual piece of equipment; use additional sheets if necessary.)

MidAmerican Energy will verify unit efficiencies as listed in the current and applicable Air Conditioning, Heating and Refrigeration Institute Directory. For heat pumps, also include applicable AHRI standard heating capacity and efficiency (HSPF or COP). Ratings for air-cooled systems must be based on the installation of a new condensing unit with a new matched evaporator coil.

Heating Equipment: Natural Gas Furnaces; Boilers; Water Heaters

AHRI REFERENCE NO.	MANUFACTURER	MODEL NO.	SERIAL NO.	INSTALLED COST OF UNIT	INSTALLATION DATE	EFFICIENT FAN MOTOR Y/N	TANKLESS WATER HEATER CAPACITY	ENERGY FACTOR OR THERMAL EFFICIENCY

Cooling Equipment: Air Conditioners; Heat Pumps; Package Terminal Air Conditioners/Heat Pumps

AHRI REFERENCE NO.	CONDENSER MANUFACTURER	CONDENSER MODEL NO.	SERIAL NO.	COIL MANUFACTURER	COIL MODEL NO.	INSTALLED COST OF UNIT	INSTALLATION DATE	LOOPS INSTALLED	DESUPER-HEATER

For chillers, a copy of the manufacturer's AHRI-approved computer-generated performance estimate must accompany this application for determination of equipment efficiency qualification. For water-cooled chillers, please submit performance estimates at 44°/85°F and 2.4/3.0 gpm. Compliance of the chiller efficiency will be in accordance with the latest AHRI Standards.

Chillers

EQUIPMENT MANUFACTURER	MODEL NO.	SERIAL NO.	COOLING CAPACITY	EER	KW/TON	INSTALLATION DATE

DISCLAIMER: MidAmerican Energy Company does not guarantee that installation and operation of energy-efficient equipment will result in reduced usage or in cost savings. The manner in which a customer uses and maintains energy-efficient equipment affects potential cost savings. MidAmerican Energy Company makes no warranties, expressed or implied, with respect to any equipment purchased or installed, including, but not limited to, any warranty of merchantability or fitness for a particular purpose. In no event shall MidAmerican Energy Company be held liable for any incidental or consequential damages or injuries resulting from defective equipment or installation. MidAmerican Energy Company reserves the right to cancel or change these programs at any time. MidAmerican Energy Company's acceptance of this application does not guarantee payment of rebate.



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TERMS AND CONDITIONS

- Participants must be MidAmerican Energy Company nonresidential customers, located in Iowa. Primary energy required by qualifying measure must be purchased directly from MidAmerican Energy Company.
- Rebates exceeding \$10,000 require preapproval by MidAmerican Energy Company. Projects must be completed within six months of preapproval.
- All project installations with rebates exceeding \$20,000 require on-site verification of installation by MidAmerican Energy Company or its agent prior to issuance of rebate check. MidAmerican Energy Company reserves the right to verify project installations where rebates are less than \$20,000.
- Applications must be submitted within three months of equipment installation in existing buildings and within six months of equipment installation in new construction.
- Rebate checks will be issued to the building owner or account holder when equipment is installed in an existing building. Checks will be issued to the builder/general contractor or building owner when equipment is installed in a new building.
- An itemized and dated invoice from the contractor must accompany the equipment application. Applications must be completed in full; incomplete applications will delay processing and may be returned. Applications must include the equipment manufacturer's name, model/serial number and the quantity of high-efficiency equipment installed. AHRI ratings required.
- Rebates are based on rebate schedule in effect on the date of the dealer invoice.
- Equipment must be installed and operating prior to submission of application. MidAmerican Energy Company reserves the right to verify installations.
- MidAmerican Energy Company reserves the right to install a metering device on new equipment to verify energy savings.
- Rebates may be subject to income tax. Consult your tax advisor for more information.
- MidAmerican Energy Company reserves the right to change or cancel this program at any time.

FEDERAL TAX DEDUCTIONS FOR ENERGY EFFICIENCY

For a limited time, a tax deduction of up to \$1.80 per square foot is available to owners or designers of new or existing commercial buildings that save at least 50 percent of the heating and cooling energy of a building that meets ASHRAE Standard 90.1-2001. Partial deductions of up to \$.60 per square foot can be taken for measures affecting any one of three building systems: the building envelope, lighting, or heating and cooling systems. Visit www.energystar.gov/taxcredits and click Commercial Buildings under Other Tax Information for details or consult a tax advisor.

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www.MIDAMERICANENERGY.com

