



2017/2018 Heating Efficiency Rebate Application

For invoices dated 10/1/17 to 12/31/18

Xcel Energy's Colorado business customers using retail natural gas service can save from our Heating Efficiency rebates for new hot water boilers and furnaces, or improvements and tune-ups for existing heating systems.

Copies of all invoices and all pages of this completed application must be provided before Xcel Energy will issue a Heating Efficiency rebate.

See Program Rules & Requirements on page 4 for additional details. For complete program details and current forms, visit xcelenergy.com/HeatingEfficiency.

Customer information

Customer contact name _____

Company _____

Phone _____ Email _____

*By providing your e-mail address, you are granting Xcel Energy permission to send further e-mails regarding our programs and services.

Natural gas premises number _____ Customer natural gas rate _____

Facility address _____ County _____

(address that is tied to the premises number)

Send rebate check to address _____ City _____ State _____ ZIP _____

Name on rebate check _____

Customer authorized signature _____ **Date** _____

Printed name _____ **Date** _____

By signing, I certify that: 1) Customer, and not Xcel Energy, is solely responsible for the accuracy of the information entered in this application, and 2) All rules of this Xcel Energy program (see page 4) have been followed. Further, I acknowledge that nothing contained in this application shall impose any liability on Xcel Energy for the work performed by customer's contractors or vendors, and that Xcel Energy does not guarantee any actual energy savings. In any case, Xcel Energy's potential liability shall be limited to the amount of the rebate paid.

Alternate rebate recipient

Note: Complete this section only if customer wants the rebate check to go to someone other than the company and address tied to billing:

Company name _____

Contact name _____ Phone _____

Address _____ City _____ State _____ ZIP _____

I authorize the above company to receive the rebate check for this project:

Customer signature _____ Date _____

Contractor information

Company _____ Contact name _____

Phone _____ Email _____

Address _____ City _____ State _____ ZIP _____

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Facility characteristics

Please indicate the primary use of this location.

- Apartment building
 Elementary school
 Fast food restaurant
 Fitness center
 Grocery
 Jr. High/High School/College
 Hotel
 Motel
 Office
 Retail
 Sit-down restaurant
 Warehouse
 Other commercial

Building size: _____ square feet

Hot water boiler										
Product	Details	Rebate calculation	Use	Manufacturer	Model	Boiler size in million BTUH	Full load efficiency*	Process load %**	Quantity	Total rebate
Installation of a new boiler where there was no previous boiler in place, or the current boiler is no longer operational, or upgrade a functional hot water boiler.	85% minimum efficiency	\$750/per million BTUH	<input type="checkbox"/> Space heating <input type="checkbox"/> Domestic hot water					____%		
	92% minimum efficiency	\$3500/per million BTUH	<input type="checkbox"/> Domestic hot water and space heating					____%		

*To determine Full Load Efficiency, FLE, (for condensing or non-condensing boilers), first find the unit of measurement for your boiler size listed on the table to the right. Then, locate this unit of measurement in your boiler specification sheet and the associated FLE.

**Process load is defined as the percentage of natural gas used for anything other than space heating and domestic hot water heating—such as manufacturing, industrial, and commercial processes. Boilers with greater than 30% process load must apply for Custom Efficiency rebates, which require preapproval prior to purchase and installation.

New boiler size	Unit of measurement
< 300,000 BTU/h	AFUE
≥ 300,000 BTU/h and ≤ 2,500,000 BTU/h	Et (Thermal Eff)
> 2,500,000 BTU/h	Ec (Combustion Eff)

Furnace							
Details	Rebate calculation	Efficiency	Manufacturer	Model #	Size in million BTUH	Quantity	Total rebate
Minimum 92% AFUE	\$80/unit	____% AFUE					
Minimum 94% AFUE	\$120/unit	____% AFUE					
Electronically commuted motor (ECM) for furnace fan	\$100/per motor	N/A	Status	Existing cooling	Horse power for motor	Quantity	Total rebate
			<input type="checkbox"/> New or <input type="checkbox"/> Existing	<input type="checkbox"/> Yes <input type="checkbox"/> No			

Water heater								
Details	Water heater type	Rebate calculation	Efficiency %	Manufacturer	Model #	Water heater size – in thousand BTUH	Quantity	Total rebate
Minimum of 92% efficiency (≥75,000 BTUH input for domestic hot water use only)	<input type="checkbox"/> Tankless or <input type="checkbox"/> Storage ____gallons	\$200 per 100,000 BTUH	____%					

Pipe insulation							
Pipe diameter	Average fluid temp: 105°F – 200°F		Average fluid temp: 201°F – 250°F		Average fluid temp: 251°F – 350°F		
	Minimum insulation thickness	Rebate \$/ft*	Minimum insulation thickness	Rebate \$/ft*	Minimum insulation thickness	Rebate \$/ft*	
0.5" to < 1.0"	1.0"	\$5	1.5"	\$6	2.0"	\$8	
1.0" to < 1.5"	1.0"	\$5	1.5"	\$6	3.0"	\$8	
1.5" to < 4.0"	2.0"	\$6	2.5"	\$8	4.5"	\$9	
> 4.0"	2.0"	\$6	3.0"	\$8	4.5"	\$9	

Pipe diameter (inches)	Linear feet of insulation	Thickness of insulation (inches)	Average fluid temperature	Pipe use	Existing insulation being replaced	Pipe location	Process load %**	Rebate \$/feet (from chart above)	Total rebate
	____ ft		____ °F	<input type="checkbox"/> Space heating <input type="checkbox"/> Domestic hot water <input type="checkbox"/> Both	<input type="checkbox"/> Repaired <input type="checkbox"/> Did not exist	<input type="checkbox"/> Inside <input type="checkbox"/> Outside	____%		

To calculate the pipe insulation rebate, use the following calculation:

Pipe diameter inches x linear feet x rebate amount = total pipe insulation rebate.

Pipe insulation rebates are available for adding insulation to existing bare pipe or replacing damaged existing insulation. Insulating new pipes is not eligible. Other pipe insulation rebates may be available through Custom Efficiency, which requires preapproval prior to purchase and installation. If the information varies throughout the system, please provide requested information for each variation. Attach an additional sheet if needed.

*These rebate amounts apply to invoices dated on or after 10/1/17. For invoices prior to this date, use the 2017 Heating Efficiency rebate application.

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Boiler Tune-Up								
Details	Cost of tune-up	Boiler type	Boiler description	Boiler use	Boiler size per million BTUH	Rebate calculation	Total rebate	Boiler Tune-Up must meet the tune-up requirements listed below.
Boiler Tune-Up If more than one boiler tune-up is completed at the same premises, add another page.		<input type="checkbox"/> Condensing OR <input type="checkbox"/> Non-Condensing	Serial # _____	<input type="checkbox"/> Space heating <input type="checkbox"/> Domestic hot water <input type="checkbox"/> Domestic hot water and space heating		\$250/MMBTU per boiler prorated		<input type="checkbox"/> Measure combustion efficiency using an electronic flue gas analyzer and include a copy of the test <input type="checkbox"/> Adjust air flow and reduce excessive stack temperatures <input type="checkbox"/> Adjust burner and gas input, manual or motorized draft control <input type="checkbox"/> Clean burners, combustion chamber and heat exchanger surface, when weather or operating schedule permits <input type="checkbox"/> Clean and inspect burner nozzles <input type="checkbox"/> Clean for proper venting <input type="checkbox"/> Complete visual inspection of system piping and insulation <input type="checkbox"/> Check safety controls <input type="checkbox"/> Check adequacy of combustion air intake
	Process load %** _____%	<input type="checkbox"/> High-pressure steam OR <input type="checkbox"/> Low-pressure steam	Manufacturer _____ Age _____ Model # _____					

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Unit heaters							
	Minimum requirements	Rebate	Space temperature—unit heater set point	Percent (%) of time used during the heating season ¹	# of BTUH per heater	Quantity	Total rebate
Non-condensing unit heater	83% efficient	\$50 per 100,000 BTUH					
Condensing unit heater	>90% efficient	\$500 per 100,000 BTUH					
Infrared heater	80% efficient	\$125 per 100,000 BTUH					

¹Example to calculate percent conditioned: A service bay in an automobile repair shop is only heated with a unit heater while the shop is open from 8 a.m. to 5 p.m. Monday through Friday—and not open nights and weekends. Percent conditioned would be determined as follows: 9 hrs. per day x 5 days week / 168 hrs. per week = 27%.

Heating system improvements								
Product	Boiler use	Process load %**	Rebate calculation	Maximum rebate	Boiler size in million BTUH	Quantity	Cost per unit of equipment (including labor)	Total rebate
Modular burners > 5:1 turndown ratio*	<input type="checkbox"/> Space heating <input type="checkbox"/> Domestic hot water <input type="checkbox"/> Domestic hot water and space heating	_____%	\$750 per million BTUH	\$2,000				
Outdoor air reset controls	<input type="checkbox"/> Space heating <input type="checkbox"/> Domestic hot water <input type="checkbox"/> Domestic hot water and space heating	_____%	\$250 per million BTUH	N/A				
Stack dampers	<input type="checkbox"/> Space heating <input type="checkbox"/> Domestic hot water <input type="checkbox"/> Domestic hot water and space heating	_____%	\$250 per million BTUH	N/A				
Steam trap replacement/parts (Invoice must include model # for each trap.) <input type="checkbox"/> High pressure <input type="checkbox"/> Low pressure	<input type="checkbox"/> Space heating <input type="checkbox"/> Domestic hot water <input type="checkbox"/> Domestic hot water and space heating	_____%	25% up to \$250/trap	\$10,000/facility				
Other controls or improvements	<input type="checkbox"/> Space heating <input type="checkbox"/> Domestic hot water <input type="checkbox"/> Domestic hot water and space heating	_____%	Must apply for a Custom Efficiency program preapproval PRIOR to purchase and installation					

*Any new modular burner installed on a condensing boiler that received a rebate from Xcel Energy in the past will not be eligible for additional rebates.

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Custom rebate option

For equipment installations performed outside of the prescriptive scope, projects may be eligible for rebates available through the Custom Efficiency program, which requires preapproval prior to purchase and installation. Visit xcelenergy.com/CustomEfficiency for information on the preapproval process and to download the required application.

Boilers*

- Boilers must perform space and/or domestic hot water heating to qualify for Heating Efficiency rebates. Heating equipment must use retail natural gas from Xcel Energy as the primary fuel, but can have dual-fuel capability for backup.
- MMBTUH is based on boiler input capacity. 1 MMBTUH = 1 million BTU per hour. Boilers smaller than 1 MMBTUH can qualify for rebates. For example, a 500,000 BTUH qualifying condensing boiler under Plan A, with 92% minimum efficiency, would earn a \$1,750 rebate and be noted as .5 MMBTUH. Efficiency is based on AFUE rating, thermal efficiency, or combustion efficiency, depending on boiler size and using a natural gas fuel with a high fire rate at 80 °F return-water temperature and 180 °F leaving-water temperature (per IECC testing methods).
- New steam boilers, pool boilers, process boilers and equipment, new boilers larger than 10 MMBTUH. Visit xcelenergy.com/CustomEfficiency for information on the preapproval process and to download the required application.

Pipe insulation*

To calculate the pipe insulation rebate, use the following calculation and the rebate amount in the pipe insulation chart above:

Pipe diameter inches x linear feet x rebate amount = \$Your Rebate Amount.

- Pipe insulation rebates are available for adding insulation to existing bare pipe or replacing damaged existing insulation.
- Insulating new pipes is not eligible.
- Other pipe insulation rebates may be available through Custom Efficiency, which requires preapproval prior to purchase and installation.
- If the information for new pipe insulation varies throughout the system, please provide requested information for each variation. Attach an additional sheet if needed.

Boiler tune-ups*

Rebates for tune-ups are available on the same boiler every two years. The contractor or technician performing the tune-up needs to initial each requirement that has been completed under the tune-up requirements on the rebate application page to qualify for the rebate.

Water heaters

Water heaters smaller than 75 MBTUH and energy-saving heating equipment not listed on this form, may be eligible for a Custom Efficiency rebate, which requires preapproval prior to purchase and installation. See Custom rebate option above for more details.

Heating system improvements

Improvements to any size hot water or steam boiler used for space heating and/or domestic water heating are eligible for the heating system improvement rebates. Improvements for process boilers are available through Custom Efficiency, which requires preapproval prior to purchase and installation. Rebates for auxiliary equipment on new boilers are only available if the auxiliary equipment on the proposed system is "optional."

Electronically commutated motors (ECM)

An Electronically Commutated Motor (ECM) powers the fan that moves air through the centralized heating and/or cooling system. Forced-air furnaces with ECMs will be validated via Original Equipment Manufacturer (OEM) specification sheets or OEM websites. Submitting an OEM spec sheet with this application is encouraged. Customers who purchase a non-qualifying furnace that includes a factory-installed ECM may receive the ECM rebate.

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How to apply for rebates

- Fill out the rebate application. Please note the Rules and Requirements section below. **(All information needs to be supplied before a rebate check can be issued.)**
- Email, mail or fax completed and signed rebate form along with the original paid invoices. Email to: energyefficiency@xcelenergy.com (preferred) or fax to: 800.311.0050, or mail to: **Energy Efficiency Specialists**, Business Solutions Center, P.O. Box 8, Eau Claire, WI 54702. **If your company has an assigned Xcel Energy account manager, the application should be submitted to that individual.**

Rules and requirements

Documentation and customer qualifications

We require an AHRI certificate (found at ahridirectory.org) or a product technical specification sheet be submitted along with the invoice. The Xcel Energy Heating Efficiency program is available to Xcel Energy's direct-billed commercial and industrial retail natural gas customers in Colorado. Customers who use Gas Transport are not eligible for Heating Efficiency rebates.

Heating rebate rules

- Heating equipment or services that do not comply with Xcel Energy rebate rules or local state or federal regulations will not qualify and will not receive a rebate.
- Heating Efficiency applications should be submitted after installation of the equipment. This completed rebate form, along with a copy of the invoice with parts and labor separated and equipment size and efficiency data noted, plus an AHRI certificate or specification sheet (noted above), must be submitted in order for rebates to be considered. **Custom Efficiency preapproval applications must be submitted prior to purchase of equipment.**
- Efficiency data can be based on AFUE rating, thermal efficiency, or combustion efficiency, depending on boiler size. The efficiency of the boiler will be determined by the high fire rate at 80 °F return-water temperature and 180 °F leaving-water temperature (per IECC testing methods) unless actual design conditions for the specific boiler application are documented.
- Xcel Energy receipt of the application does not guarantee payment of rebate. You will be notified if the application HAS NOT been accepted pending final Xcel Energy review.
- An Xcel Energy representative MAY inspect the project to confirm that the equipment has been installed.
- Xcel Energy reserves the right to limit any rebate.
- Heating Efficiency applications must be submitted to Xcel Energy within one (1) year of the date of invoice and start-up.
- Xcel Energy will issue rebates in the form of checks, not utility bill credit. Rebates will be issued within six to eight weeks of acceptance of this application.
- This rebate form and standards are effective for projects with invoices dated on or after October 1, 2017.
- The rebate program will be in effect indefinitely but is subject to 60 days notice of change or cancellation. The customer is responsible for checking with the Xcel Energy Business Solutions Center at 855.839.8862 to determine whether the program is still in effect or check for program updates at xcelenergy.com/HeatingEfficiency
- Replacement and significant repair of failed steam traps only are eligible, NOT new installations.
- Boilers and auxiliary equipment installations can qualify for both boiler and auxiliary component rebates.
- Rebates for auxiliary equipment on new boilers are only available if the auxiliary equipment on the proposed system is "optional".
- Boiler Tune-Up rebates are available on the same boiler every two (2) years.
- Heating Efficiency rebates **cannot exceed 60 percent of the project cost** (including equipment and labor). The minimum rebate is \$5.

Note: Xcel Energy's payment of program rebates is not an Xcel Energy warranty of the design, manufacture, installation, operation or performance of customer's equipment. Xcel Energy shall not be liable to any claims for personal injury or property damage resulting from the design, manufacture, installation, operation or performance of customer's equipment. Xcel Energy's liability shall be limited to the amount of the program rebate paid to customer.

Please allow six to eight weeks for rebate check to arrive.

(You can print additional or updated forms from xcelenergy.com/HeatingEfficiency.)

Please include the items listed below on your application form and purchase receipt. If all of the items are not included the application will be returned to the customer.

Your application needs to include:

- | | |
|---|--|
| <input type="checkbox"/> Xcel Energy premise number | <input type="checkbox"/> For Boiler Tune-Ups – include a copy of the combustion analyzer test and an invoice or statement of labor hours |
| <input type="checkbox"/> Your signature | |
| <input type="checkbox"/> AHRI cert. or spec sheet | |

Your purchase receipt/invoice needs to include:

- | | |
|---|---|
| <input type="checkbox"/> Customer name | <input type="checkbox"/> Serial numbers |
| <input type="checkbox"/> Installation address | <input type="checkbox"/> Invoice date |
| <input type="checkbox"/> Model numbers | |