

2011 Iowa Residential New Construction Program

HOW TO GET LOWER ENERGY BILLS

Sign Up Now And Save

Black Hills Energy wants to financially reward those who build a new, energy-efficient home. Installing energy-efficient technologies during new home construction is a smart way to lower your energy bills. Black Hills Energy's Residential New Construction Rebate Program offers rebates to help you save money. Complete this application to sign up.

Build an energy-efficient home and receive tiered rebates, ranging from \$1,500 to \$5,000, by either following one of two paths offered by Black Hills Energy.

1. Prescriptive Standard: Builder must install a specified set of energy efficiency measures (see page 2)

-or-

2. Performance Path: Builder must meet specified energy performance targets (see page 3)

Qualifying homes under either path may be eligible to receive ENERGY STAR® new home labels. And Black Hills Energy also offers a rebate of up to \$120 for new home buyers who purchase an ENERGY STAR or qualified clothes washer and ENERGY STAR or qualified dishwasher*. (**See separate clothes washer/dishwasher rebate application.**)

*New ENERGY STAR or qualified clothes washer and dishwasher rebate cannot exceed purchase price.

Terms And Conditions

General Eligibility

- New home must be in a Black Hills Energy Iowa service territory.
- Space and water heating systems must use natural gas and meet the efficiency requirements established for other Black Hills Energy programs ($\geq 92\%$ AFUE for furnaces and EF of 0.67 or higher for water heaters, varies by size). Bonus rebates for HVAC systems installed to Quality Installation standards are offered. See 2011 Iowa Trade Ally Spiff Request Form for details.
- **Purchase and installations must be completed between Jan. 1, 2011 and Dec. 31, 2011. Applications for work done must be received by Jan. 31, 2012.**
- Applications will be processed on a first-come, first-served basis. The program will end when the budget is depleted. Funds are limited.
- This program is subject to regulatory rules and orders, and Black Hills Energy reserves the right to change or to end any portion of this program without notice.

Rebate Checklist

Get your rebate check faster by checking off these easy steps before mailing your application form. Incomplete or inaccurate applications may be delayed.

- Application completely filled out
- All receipts attached
- Reviewed Terms and Conditions and signed and dated application
- Made copies of all documents and application for your records
- Appliance rebate form for qualifying clothes washer and dishwasher attached along with receipts
- All inspections completed
- Sent all documents to correct address listed on application

Improving life with energy



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Black Hills Energy's Recommended Prescriptive Standard

Qualify for a rebate of \$1,500 by meeting all of the requirements listed below. Fill out the actual installed measures in the table provided then mail in or fax to 515-244-8825. You will be contacted to schedule your free BOP inspection.

Feature	Efficiency Requirement	Installed Measure & Efficiency
Natural Gas Space Heating Equipment	<ul style="list-style-type: none"> ■ 92% AFUE furnace, or ■ 85% AFUE boiler, or ■ 0.84 CAE integrated natural gas space and water heater 	Notes:
Thermostat	<ul style="list-style-type: none"> ■ Programmable thermostat; 5-1-1, 5-2 or 7-day 	Notes:
Ductwork Insulation Leakage	<ul style="list-style-type: none"> ■ \geq R-8 on ducts in unconditioned spaces ■ \leq 4 CFM to outdoors per 100 square feet ■ All sheet metal joints, supply and returns should be sealed with duct mastic, aluminum foil tape or other approved sealant. 	Notes:
Envelope Measure	<ul style="list-style-type: none"> ■ R-49 ceiling insulation ■ R-20 or R-13 + 5 wall insulation ■ R-30 floor insulation (above unheated space) ■ R-10 slab insulation, 4ft depth ■ R-10 continuous, or R-13 cavity foundation insulation ■ R-5 doors 	Notes:
Infiltration	<ul style="list-style-type: none"> ■ \leq 5 ACH50 (air change per hour at 50 Pascals) based on blower door test ■ Mechanical ventilation recommended but not required 	Notes:
Windows Maximum Window Area	<ul style="list-style-type: none"> ■ ENERGY STAR qualified windows or \leq .30 U factor ■ \leq 15% of above-grade conditioned floor area 	Notes:
Natural Gas Water Heater	<ul style="list-style-type: none"> ■ \geq 0.67 EF or ■ \geq 0.84 CAE integrated natural gas space and water heater 	Notes:

ENERGY STAR

A Black Hills Energy Residential New Construction Program home does not automatically qualify for the ENERGY STAR label. In addition to meeting the Black Hills Energy prescriptive standard, there are two additional requirements to obtain the label: 1. All sections of all v3 inspection checklists completed Sec. 3 & 5 of Thermal Enclosure System Rater Checklist enforced. Builder may verify up to six (6) items and 2. Where refrigerators, dishwashers, ceiling fans and exhaust fans are installed, products shall be ENERGY STAR or qualified. ENERGY STAR or qualified CFLs or pin-based lighting in 80 percent of fixtures in RESNET-defined Qualifying Light Fixture Locations shall be installed. (Alternate: ENERGY STAR Advanced Lighting Package). Black Hills Energy encourages builder to get the ENERGY STAR label whenever possible to assist new home buyers in recognizing the higher efficiency of their homes.

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Black Hills Energy's Recommended Performance Path

You can also qualify for the Black Hills Energy Residential New Construction Program by obtaining an ENERGY STAR label for your new home based on home performance.

Builders who wish to qualify their homes under the performance path may opt to participate in one of two tiers by following Black Hills Energy Residential New Construction Program and ENERGY STAR v2.5 home performance guidelines for the Home Energy Rating System (HERS). This option requires you install high-efficiency natural gas space and water heating systems and achieve a HERS index score below a given level. Tier 1-qualified homes achieve an ENERGY STAR HERS index target in accordance to ENERGY STAR v2.5 guidelines and Tier 2-qualified homes achieve a HERS index score at least 10 percent lower than the Tier 1 level. Qualify for a rebate from \$1,500 for Tier 1 to \$5,000 for Tier 2 by meeting all of the program's performance requirements. In addition, Black Hills Energy pays up to \$300 towards the cost of the HERS rating. (Once you have submitted your application for Tier 1, you are no longer eligible to change or alter your upgrades to qualify for Tier 2.)

The performance path allows builders to determine for themselves the specific set of measures they will install to meet the program's performance requirements. The high-efficiency natural gas space and water heating requirements by Tier 1 and Tier 2 are listed below (grayed areas with an "X" indicate qualification).

Natural Gas Feature	Efficiency Requirement	Tier 1 HERS	Tier 2 HERS
Boiler ≤ 300 kBTUH	■ 85% to 89.9% AFUE	X	
Boiler ≤ 300 kBTUH	■ ≥ 90% AFUE		X
Furnace	■ ≥ 92% AFUE	X	
Furnace	■ ≥ 94% AFUE		X
Storage Water Heater	■ 0.67 to 0.79 EF, ≥ 40 gallon and ≤ 75,000 BTUH	X	
Storage/Condensing Water Heater	■ ≥ 0.80 EF or ≥ 90% TE and ≥ 40 gallon		X
Tankless Water Heater	■ ≥ 0.82 EF		X
Quality Installation			X

BOP INSPECTION:

(To be completed by a certified contractor or Home Energy Rater)

Black Hills Energy Prescriptive Standard

EPA Building Option Package: Climate Zone _____

Passed Failed BOP Number _____

BOP Inspector _____

Inspection Date _____

Where did you learn about our rebates?

Radio Print Ad Newspaper Article

Referral by: Auditor Contractor/Dealer/Installer
 Friend/Family Other (please specify) _____

Bill insert E-mail Event Billboard Flyer Utility website

Other (please specify) _____

- OR -

HOME ENERGY RATING

Northern Iowa Southern Iowa

HERS Index of ENERGY STAR

Reference Design Home _____

SAF _____

ENERGY STAR HERS Index Target _____

HERS Inspector _____

HERS Inspection Date _____

Cost of Inspection _____

(Attach copy of invoice)



2011 Iowa Residential New Construction Program

Customer Information

(To be completed by customer)

Account Number (Located in upper right-hand corner of Black Hills Energy natural gas bill)

Name _____
(Please print)

New Home Address _____

City _____ State _____ ZIP _____

Contact Person _____

Telephone _____

Evening _____

E-mail _____

Construction Start Date _____

Completion Date _____

REBATE INFORMATION

Person/Company Receiving Incentive

Name _____
(Please print)

Address _____

City _____ State _____ ZIP _____

Where did you learn about our rebates?

- Radio Print Ad Newspaper Article Door Hanger
 Referral by: Auditor Contractor/Dealer/Installer
 Friend/Family Other (please specify) _____
 Bill insert E-mail Event Billboard Flyer Utility website
Other (please specify) _____

BUILDER/APPLICANT AGREEMENT

I certify that I have read and agree to the Terms and Conditions of the Energy Efficiency Program offered by Black Hills Energy on the front.

Signature _____

Date _____

Project Information

(To be completed by dealer/contractor)

Square Footage of Home _____

Does home have central air? Yes No

Clothes Dryer: Natural Gas Electric None

SIZE AND EFFICIENCY LEVEL OF NATURAL GAS HEAT

BTUH Input _____ AFUE _____

Mfr _____ Model # _____

Serial # _____

SIZE AND EFFICIENCY LEVEL OF NATURAL GAS WATER HEATER

Gallons _____ EF _____

Mfr _____ Model # _____

BUILDER INFORMATION

Name _____
(Please print)

Address _____

City _____ State _____ ZIP _____

Telephone _____ Fax _____

E-mail _____

BUILDER'S AGREEMENT

If incentive is to be paid to someone other than the builder, builder's signature required:

Builder's Signature _____

Date _____

Mail completed application and itemized invoice to:

Black Hills Energy
c/o Energy Efficiency Programs
P.O. Box 5167
Des Moines, IA 50305

ADDITIONAL INFORMATION

For more information or to download additional applications visit www.BHEhowto.com or call our toll-free Energy Efficiency Programs hotline at **888-567-0799**.