

Effective April 1, 2011

Saskatchewan EnerGuide for Houses

Chart of Eligible Retrofits



 **SUN RIDGE GROUP**
www.sunridgegroup.ca
1-800-667-3700 (throughout Saskatchewan)
665-2525 (Saskatoon)

Retrofit Your Home

Qualify for a Grant

Thinking of ways to make your home more energy efficient?

Through Saskatchewan EnerGuide for Houses, you can qualify for a provincial grant for home improvements that lower energy costs, improve comfort and reduce your home's impact on the environment.

ELIGIBLE HOMEOWNERS

Owners of single-family, detached, row and semi-detached homes are eligible. Owners of most low-rise multi-unit residential or mixed use commercial/residential buildings that are no more than three storeys high, have a 600 square metre or less footprint, and at least 50 percent of the floor space is residential are also eligible. Owners of mobile homes on a permanent foundation also qualify.

RETROFITS AND AMOUNTS

On the following pages, you will find a list of home improvements and retrofits that are eligible under the Saskatchewan EnerGuide for Houses program and the corresponding grant amount. The maximum provincial grant you can receive for a home or dwelling is \$5,000.

Grants are calculated based on amounts and eligibility criteria that are in effect at the time of the post-retrofit evaluation and are subject to availability of funding.

HOW TO APPLY

Contact one of the licensed EnerGuide Service Organizations in Saskatchewan and have a pre-retrofit evaluation completed **before** you start your energy retrofits. You can enter the program and must have your pre-retrofit evaluation completed by June 30, 2013. An energy advisor, certified by Natural Resources Canada, will conduct a detailed on-site pre-retrofit evaluation of your home's energy use...from the attic down to the foundation. You will receive a personalized report, including a checklist of recommended retrofits to improve the energy efficiency of your home.

You must finish your energy retrofits and have a post-retrofit evaluation completed within 18 months from the date of your pre-retrofit evaluation report, or by October 31, 2013, whichever comes first.



The following are the grant amounts homeowners will be eligible to receive through the Saskatchewan EnerGuide for Houses program.

Eligible Improvements / Retrofits

Provincial Grant Amounts

HEATING SYSTEM

Replace your heating equipment with

- an ENERGY STAR[®] qualified gas¹ furnace that has a 95.0% Annual Fuel Utilization Efficiency (AFUE) or higher, and a brushless DC motor.
- an ENERGY STAR qualified condensing gas¹ boiler that has a 90.0% AFUE or higher.
- an ENERGY STAR qualified oil furnace that has a 94.0% AFUE or higher, and a brushless DC motor.
- an ENERGY STAR qualified oil boiler that has a 87.0% AFUE or higher.
- **Mobile Homes Only:** replace your zero-clearance furnace with a zero-clearance gas¹ furnace that has a 90.0% AFUE or higher.

Install an earth–energy system (ground or water source) that is CAN/CSA-C448 compliant and certified by the Canadian GeoExchange Coalition (CGC). Applies to a new system in an existing home or complete replacement of an existing system including a new heat pump unit and new loop. ² (See *geo-exchange.ca*)

Replace the heat pump unit only of an existing earth-energy system (ground or water source). The system must be CAN/CSA-C448 compliant and certified by the CGC. (*per equipment replaced) (See *geo-exchange.ca*)

Install a minimum of 5 electronic thermostats for electric baseboard heaters. Electric baseboards must be the primary system. (**for each set of 5 installed)

Replace your wood-burning appliance with a model that meets either CSA-B415.1-M92 or the U.S. EPA wood-burning appliance standard (40 CFR Part 60); an indoor wood pellet-burning appliance (includes stoves, furnaces and boilers that burn grain or corn) or a masonry heater. (*per equipment replaced)

Replace your existing space and domestic water heating equipment with an integrated mechanical system ³ that has an overall thermal performance factor of 0.90 or higher. The system must be compliant with the CSA P.10-07 standard and meet or exceed the standard's premium performance requirements. (*per equipment replaced)

SINGLE FAMILY HOME
for 1st system for 2nd system

MURB

\$650 \$325

\$750 \$375

\$650 \$325

\$750 \$375

\$300 N/A

\$3,500 N/A

\$1,400 N/A

**\$50 N/A

\$300 \$150

\$1,300 N/A

SAME
AS SINGLE
FAMILY
HOME

*\$1,400

**\$50

*\$300

*\$1,300

¹ Natural Gas or Propane

² Saskatchewan grant of \$3,500 applies if you are replacing an existing wood, electrical, oil or propane primary heating system. To be eligible for the grant, if replacing a natural gas heating system, the electricity to run the system must be generated on-site using a renewable resource. This criteria takes into consideration economics and the impact on the environment in Saskatchewan. The energy advisor will request to see receipts or documentation of the installation during the post-retrofit evaluation.

³ Integrated mechanical system is a mechanical system that provides space heating, hot water and heat recovery ventilation functions.

Eligible Improvements / Retrofits

Provincial Grant Amounts

COOLING SYSTEM (Replacement Only)

Replace your central air-conditioning system with an ENERGY STAR qualified system that has a Seasonal Energy Efficiency Ratio (SEER) of 14.5 or higher (complete system replacement, including indoor coil & outdoor component).⁴

SINGLE FAMILY HOME		MURB
for 1 st system	for 2 nd system	
\$300	N/A	\$300 (per building)

VENTILATION SYSTEM (New or Replacement)

Install an ENERGY STAR ventilation system that is certified by the Home Ventilating Institute (HVI) as a heat- or energy-recovery ventilator. (*per equipment installed)

\$400	N/A	*\$400
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The HVI Product Directory is available at hvi.org. Click "Consumers" and "Certified Products Directory".

DOMESTIC HOT WATER SYSTEM

Install a solar domestic hot water system that is certified or in the process of being certified to the CAN/CSA F379 standard AND provides a minimum energy contribution of 6 GJ/yr.⁵ (*per equipment installed)

\$1,000	N/A	*\$1,000
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Replace your domestic hot water heater with an ENERGY STAR qualified instantaneous gas¹ water heater that has an Energy Factor (EF) of 0.82 or higher.⁵ (*per equipment replaced)

\$350	N/A	*\$350
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Replace your domestic hot water heater with an ENERGY STAR qualified instantaneous, condensing gas¹ water heater that has an EF of 0.90 or higher.⁵ (*per equipment replaced)

\$400	N/A	*\$400
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Replace your domestic hot water heater with a condensing gas¹ storage tank water heater that has a thermal efficiency of 94.0% or higher.⁵ (*per equipment replaced)

\$400	N/A	*\$400
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Replace your domestic hot water heater with an ENERGY STAR qualified storage tank gas¹ water heater that has an EF of .67 or higher. (*per equipment replaced)

\$150	N/A	*\$150
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Install a drain water heat recovery (DWHR) system. Grants are based on the efficiency of the system.⁵ (*per unit installed)

<ul style="list-style-type: none"> Efficiency between 30.0% and 41.9% 	\$75	N/A	*\$75
<ul style="list-style-type: none"> Efficiency of 42.0% or higher 	\$130	N/A	*\$130

⁴ Central air conditioners must have an ENERGY STAR qualified matched condenser coil (outdoor unit comprising of a condenser coil, compressor and cooling fan) and indoor evaporator coil (typically located with the furnace) with a SEER of 14.5 or higher and an EER of 12 or higher. Under no circumstances will the replacement of only one of these coils entitle the homeowner to a grant. Also, components that are not certified by the manufacturer as being matched (i.e. tested together) will not be accepted. Some manufacturers match their low SEER air conditioner packages with one of their brushless DC motor-equipped furnaces (i.e. blowers) as a method to reduce the power consumption requirement for ENERGY STAR compliance and labeling. This arrangement is accepted under the grant program provided that the furnace in question is also installed.

When having your central air conditioner installed, ask the contractor to indicate on your invoice the manufacturer's name (not the model name) of the condenser coil and the model numbers of BOTH the new condenser and evaporator coils. The Air-Conditioning, Heating and Refrigeration Institute (AHRI) reference number should be included as well. The energy advisor will request to see this information and furnace information, if applicable, during the post-retrofit evaluation.

⁵ To qualify, domestic hot water heating system must also appear on the related list of eligible equipment available at saskenergy.com. Click on "Saving Energy" and "EnerGuide for Houses".

Eligible Improvements / Retrofits

CRAWL SPACE INSULATION

- **Insulate** a *minimum of 60 percent* of the crawl space's total exterior foundation wall area, including the header area.

OR

- **Insulate** a *minimum of 60 percent* of the floor above the crawl space to increase value by a minimum of RSI 4.2 (R-24).

When both a basement and crawl space are present, applicable grants are PRO-RATED based on the total foundation wall area insulated to a *maximum* of \$1,000.

In the case of a row or semi-detached house see note below. ⁶

Provincial Grant Amounts

MINIMUM ADDITIONAL INSULATION		
Percent Area	R-9 to R-23	+R-23
60.0% - 79.9%	\$100	\$200
80.0% - 94.9%	\$200	\$400
95.0% - 100%	\$400	\$800

MINIMUM ADDITIONAL INSULATION	
Percent Area	+R-24
60.0% - 79.9%	\$50
80.0% - 94.9%	\$100
95.0% - 100%	\$200

BASEMENT INSULATION

Insulate a *minimum of 60 percent* of the foundation's wall area (including basement and crawl space walls, when applicable) to qualify. The grant is based on the percentage of wall area that is insulated and does not include walls between individual dwellings. When both a basement and crawl space are present, the applicable grant is PRO-RATED based on the total foundation wall area insulated to a *maximum* of \$1,000.

In the case of a row or semi-detached house see note below. ⁶

MINIMUM ADDITIONAL INSULATION		
Percent area	R-9 to R-23	+R-23
60.0% - 79.9%	\$300	\$600
80.0% - 94.9%	\$400	\$800
95.0% - 100%	\$500	\$1,000

EXTERIOR WALL INSULATION

Insulate a *minimum of 60 percent* of the total wall surface to qualify. The grant is based on the percentage of wall area insulated and does not include walls between individual dwelling units.

In the case of a row or semi-detached house see note below. ⁶

MINIMUM ADDITIONAL INSULATION		
Percent area	R-3.8 to R-9	+R-9
60.0% - 79.9%	\$540	\$900
80.0% - 94.9%	\$720	\$1,200
95.0% - 100%	\$900	\$1,500

BASEMENT HEADER INSULATION

Seal and insulate your basement header area, increasing its insulation value by a minimum of RSI 3.5 (R-20).

MINIMUM ADDITIONAL INSULATION	
Percent area	+R-20
60.0% - 79.9%	\$50
80.0% - 94.9%	\$75
95.0% - 100%	\$100

EXPOSED FLOOR INSULATION (overhangs and floors above an unheated space, excluding crawl spaces)

Insulate your entire exposed floor and increase its insulation value by a minimum of RSI 3.5 (R-20). A minimum floor area of 14 m² (150 ft²) must be insulated to qualify.

\$150

⁶ In the case of a semi-detached house or a row house that is an end unit, the grant amount for the insulation of exterior walls, basement or crawl space walls is 75 percent of the amounts shown. In the case of a row house that is a middle unit, the grant amount is 50 percent of the amounts shown.

Eligible Improvements / Retrofits

Provincial Grant Amounts

CEILING INSULATION

Insulate a *minimum of 60 percent* of the total ceiling area to qualify. When the roof has more than one type (i.e. attic, cathedral ceiling, flat roof), all grants are PRO-RATED based on the ceiling area that is insulated. The *maximum grant* for any combination of attic, cathedral ceiling and flat roof is \$600. Grants listed reflect 100% of the ceiling area being of one roof type.

Increase the insulation value of	STARTING POINT		
	Up to R-12	+R-12 to R-25	+R-25 to R-35
<ul style="list-style-type: none"> Your attic to achieve a total minimum insulation value of RSI 8.8 (R-50). <p>Incentives for attic insulation will vary according to the existing level of insulation. For example, if you increase the insulation from a low RSI value, such as RSI 1.8 (R-10), to a new value of RSI 8.8 (R-50), you will receive a larger incentive than if you started from RSI 4.2 (R-24) and increased it to RSI 8.8 (R-50). Insulation value in RSI = R insulation value divided by 5.678.</p>	\$600	\$300	\$100
<ul style="list-style-type: none"> Your flat roof and/or cathedral ceiling to achieve a total minimum insulation value of RSI 5 (R-28). <p>Add a minimum insulation value of RSI 1.8 (R-10) to your uninsulated flat roof and/or cathedral ceiling and qualify for a grant of \$400.</p>	\$500	\$200	N/A

MURB MULTIPLIER (Multi-Unit Residential Buildings)

The appropriate multiplier must be applied to the grant level identified based on the nature of the insulation work done.

Number of Dwellings:

Exterior Wall, Crawl Space, Basement & Exposed Floor

Ceiling & Basement Header

	2-3	4-6	7-9	10-12	13-15	16+
Exterior Wall, Crawl Space, Basement & Exposed Floor	1.00	1.50	2.00	2.25	2.75	3.00
Ceiling & Basement Header	1.00	1.50	2.00	3.00	3.50	4.50

DOORS / WINDOWS / SKYLIGHTS (heated space only)

Replace windows and skylights with models that are ENERGY STAR qualified for your climate zone. ⁷ (*per unit replaced)

SINGLE-FAMILY HOME	MURB
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*\$30	*\$30
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Replace windows and skylights with models that are ENERGY STAR qualified for climate Zone D. ⁷ (*per unit replaced)

*\$40	*\$40
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Replace your exterior door(s) with models that are ENERGY STAR qualified for your climate zone. ⁷ (*per unit replaced)

*\$30	*\$30
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Replace your exterior door(s) with models that are ENERGY STAR qualified for climate Zone D. ⁷ (*per unit replaced)

*\$40	*\$40
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LIGHT FIXTURES

Replace your existing incandescent light fixtures with a minimum of 3 installed ENERGY STAR qualified residential light fixtures.

\$45

CLOTHES WASHER & DRYER

Replace your existing electric clothes washer with an ENERGY STAR qualified clothes washer.

\$100

Replace your existing electric clothes dryer with a gas¹ clothes dryer.

\$200

⁷ Grants for windows and skylights are based on the number of rough openings (RO) in which windows or skylights were replaced between the pre- and post-retrofit evaluations. Each RO is counted as one window or skylight. An RO is defined as the structurally stable opening created by the builder for the installation of the window unit (i.e. framing & glazing) or skylight. Example: a bay window made up of several windows is regarded as one RO. To be eligible for a grant, proof of ENERGY STAR qualification of windows, doors, and skylights is required, such as the presence of the ENERGY STAR label for your *climate zone or Zone D*. If your label was removed by the installer, you must request them as proof of purchase or request a detailed invoice.

IMPORTANT NOTES:

1. This Saskatchewan EnerGuide for Houses program will be in effect from April 1, 2011 to October 31, 2013. All pre-retrofit evaluations must be booked and completed by June 30, 2013. A post-retrofit evaluation must be completed within 18 months from the date of your pre-retrofit evaluation report or by October 31, 2013, whichever comes first.
2. All upgrades or renovations must meet local codes and by-laws. Before undertaking upgrades or renovations, find out about the appropriate products and installation techniques to ensure that your home's building envelope and indoor air quality will not be compromised.
3. In replacing ANY of the equipment listed in this document, the new equipment must have a higher efficiency rating than that of the original equipment. New installations are not eligible in cases where improvements listed state "replace."
4. Your energy advisor is required to document and take pictures of your home and specific equipment during both the pre-retrofit evaluation and the post-retrofit evaluation. You need to retain all of your receipts for retrofits completed and they must be available at the post-retrofit evaluation.
5. Low-rise residential properties defined as dwellings under Parts 2 and 9 of the National Building Code of Canada are eligible to participate in the program. These include single detached and attached homes (i.e. row houses, duplexes and triplexes), small multi-unit residential buildings (MURBs) including small apartment buildings of three storeys or less built on a maximum footprint of less than 600 square metres, mobile homes on a permanent foundation, and recreational homes that are fully-serviced four season properties.
6. Small mixed-use commercial/residential buildings are also eligible. These buildings must be no more than three storeys above grade, have a building footprint of 600 square metres or less and use at least 50% of the floor space for permanent residential purposes. Mixed-use buildings that contain commercial or industrial equipment or systems that are not usually found in a dwelling are excluded.
7. The maximum grant you can receive for a home is \$5,000. In the case of MURBs, the maximum grant receivable is \$5,000 per dwelling unit. The maximum grant for property owners with multiple properties is \$500,000. Incentives are calculated using the grant amounts and eligibility requirements that are in effect at the time of the post-retrofit evaluation, and are subject to available funding.
8. For more information on ENERGY STAR® qualified products, visit energystar.gc.ca. The ENERGY STAR® name and the ENERGY STAR® symbol are registered trademarks of the United States Environmental Protection Agency and are used with permission.
9. The Province of Saskatchewan reserves the right to update information, including revising the grant amounts, as required. Refer to saskenergy.com for the most up-to-date information or contact your service organization.
10. Payment of grants are subject to the availability of funds.
11. The Province of Saskatchewan does not endorse the services of any contractor or any specific product and accepts no liability in the selection of materials, products, contractors, performance or workmanship.
12. Renovations that are part of an addition made to a property following a pre-retrofit evaluation are not eligible for a grant and may reduce the grant amount for the improvement done on the existing portion.
13. In order for your home to be eligible to have a pre-retrofit or post-retrofit evaluation it must be "habitable". This includes functional heating systems, electrical and plumbing. Walls and windows must be intact and the home should be in such a state that the energy advisor can depressurize the building. The energy advisor will need access to every room in the house, including the attic and any crawl spaces. Be sure to clear these areas before the energy advisor arrives. In addition, please make sure not to use any wood-burning appliances, such as fireplaces or wood stoves, at least 24 hours in advance and clean them prior to the evaluation.



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For more information on Saskatchewan
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35-580-000