

Saskatchewan EnerGuide for Houses

Retrofit Your Home and Qualify for a Grant!

CHART OF ELIGIBLE RETROFITS

Thinking of ways to make your home more energy efficient? Here's what you can do to reduce your energy consumption and receive grants through the Saskatchewan EnerGuide for Houses and the federal ecoENERGY Retrofit — Homes programs.

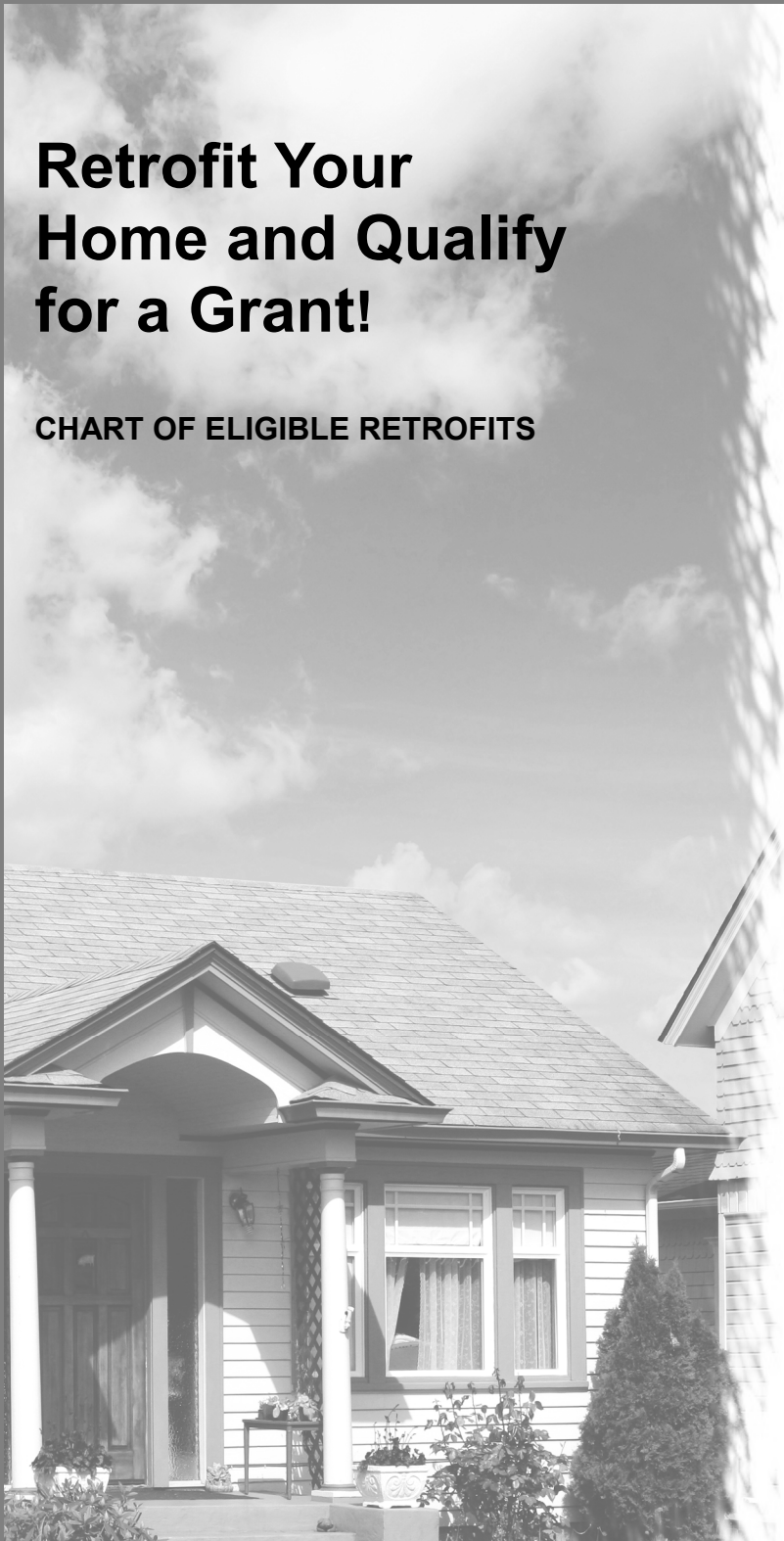
SaskEnergy, on behalf of the Province of Saskatchewan, and Natural Resources Canada (NRCAN) are offering residential energy efficiency evaluations through licensed service organizations to owners of single-family homes including detached, semi-detached and low-rise multi-unit residential buildings (MURBs) that are no more than three storeys high. Also eligible are some small buildings of no more than 3 storeys for which at least 50 percent of the floor area is used as one or more permanent residences. Under the Saskatchewan EnerGuide for Houses and the ecoENERGY Retrofit — Homes programs, property owners can qualify for provincial and federal grants by improving the energy efficiency of their home, and reduce their home's impact on the environment.

NRCAN-licensed energy advisors conduct a detailed on-site evaluation of your home's energy use from the attic down to the foundation. They then provide you with a personalized report, including a checklist of recommended retrofits to improve the energy efficiency of your home or MURB and, in some cases, to reduce water consumption. The report also shows the grant amounts for each eligible upgrade that you can receive by carrying out these energy saving improvements.

On the following pages, you will find a list of improvements that are eligible under EnerGuide for Houses and ecoENERGY Retrofit—Homes and the corresponding grant amounts. The maximum grant you can receive for a home or dwelling (MURB) is \$10,000—that's \$5,000 from the Province of Saskatchewan and \$5,000 from NRCAN.

Grants are calculated and based on amounts that are in effect at the time of the post-retrofit evaluation (E audit). You must complete your retrofits and receive your post-retrofit evaluation by March 31, 2011, or within 18 months from the date you received your pre-retrofit evaluation report, whichever comes first.

The logo for goGreen Saskatchewan features the word "goGreen" in a stylized font with a sun icon above the "Green" part, and "Saskatchewan" written below it.



The following are combined grant amounts homeowners will receive through both the Saskatchewan EnerGuide for Houses and the federal ecoENERGY Retrofit — Homes programs.

Eligible Improvements / Retrofits

Combined Grant Amounts

HEATING SYSTEM

Replace your heating equipment with

- an ENERGY STAR qualified gas¹ furnace that has a 92.0% annual fuel utilization efficiency (AFUE) or higher
- an ENERGY STAR qualified gas¹ furnace that has a 92.0% AFUE or higher, and a brushless DC motor
- an ENERGY STAR qualified gas¹ furnace that has a 94.0% AFUE or higher, and a brushless DC motor
- an ENERGY STAR qualified gas¹ furnace that has a 94.0% AFUE or higher, and a brushless DC motor (when installing a condensing furnace for the first time)
- an ENERGY STAR qualified condensing gas¹ boiler that has an 90.0% AFUE or higher
- an ENERGY STAR qualified oil furnace that has an 85.0% AFUE or higher
- an ENERGY STAR qualified oil furnace that has an 85.0% AFUE or higher, and a brushless DC motor
- an ENERGY STAR qualified oil boiler that has an 85.0% AFUE or higher
- *Mobile Homes Only:* where a zero-clearance furnace is being replaced, an ENERGY STAR qualified gas¹, zero-clearance 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).² Applies to new or complete replacement. (See www.geo-exchange.ca)

Replace the heat pump unit 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 www.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)

Install an ENERGY STAR qualified air-source heat pump for both heating and cooling that has a SEER of 14.5 or higher and a minimum heating capacity of 12,000 Btu/hr. ²(*per equipment installed) ■ SEE “NOTE 9” ON PAGE 6

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)

	SINGLE FAMILY HOME		MURB
	for 1 st system	for 2 nd system	
	\$675	\$340	
	\$1,125	\$565	
	\$1,170	\$630	
	\$1,420	\$720	SAME AS SINGLE FAMILY HOME
	\$1,350	\$675	
	\$675	\$340	
	\$1,125	\$565	
	\$1,350	\$675	
	\$675	N/A	
	\$7,875	N/A	
	\$3,150	N/A	*\$3,150
	**\$70	N/A	**\$70
	\$900	N/A	*\$900
	\$675	\$340	*\$675

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.

Eligible Improvements / Retrofits

Combined Grant Amounts

HEATING SYSTEM CONT'D...

Replace your existing space and domestic water heating equipment with an integrated mechanical system (IMS) 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 standards's premium performance requirements. (*per equipment replaced)

	SINGLE FAMILY HOME		MURB
	for 1 st system	for 2 nd system	
	\$2,925	N/A	*\$2,925

Replace your solid fuel-fired outdoor boiler with a model that meets CAN/CSA-B415.1 or the U.S. EPA Outdoor Wood-fired Hydronic Heater (OWHH Method 28) Program, Phase I. The capacity of the new boiler must be equal or smaller than the capacity of the boiler being replaced.

	\$675	N/A	\$675 (per building)
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COOLING SYSTEM (Replacement Only)

Replace your central air-conditioning system with an ENERGY STAR qualified system that has a SEER of 14.5 or higher. *SEE "NOTE 9" ON PAGE 6

	\$450	N/A	\$450
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Replace your window air conditioner(s) with an ENERGY STAR qualified unit. (**Maximum of 5 units per home) (***)Maximum of 2 units per dwelling)

	\$45	N/A	*\$45
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VENTILATION SYSTEM (New or Replacement)

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

	\$675	N/A	*\$375
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The HVI Product Directory is available at www.hvi.org.

DOMESTIC HOT WATER SYSTEM

Install a solar domestic hot water system with solar collectors that meet the CAN/CSA F378.87 standard and provides a minimum energy contribution of 6,000 MJ/yr. (*per equipment installed)

	\$2,250	N/A	*\$2,250
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Replace your domestic hot water heater with an ENERGY STAR qualified instantaneous gas-fired¹ water heater that has an energy factor (EF) of 0.82 or higher. (*per equipment replaced)

	\$565	N/A	*\$565
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Replace your domestic hot water heater with an ENERGY STAR qualified instantaneous, condensing gas-fired¹ water heater that has an EF of 0.90 or higher. (*per equipment replaced)

	\$675	N/A	*\$675
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Replace your domestic hot water heater with a condensing gas¹ storage-type water heater that has a thermal efficiency of 94.0% or higher. (*per equipment replaced)

	\$675	N/A	*\$675
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Install a drain water heat recovery (DWHR) system. Grants are based on the efficiency of the pipe installed. (*per unit installed)

• Efficiency between 30.0% and 41.9%	\$170	N/A	*\$170
• Efficiency of 42.0% or higher	\$295	N/A	*\$295

Eligible Improvements / Retrofits

Combined Grant Amounts

CEILING INSULATION

A *minimum of 20 percent* of total ceiling area must be insulated 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 \$1,350. Grants listed reflect 100% of the ceiling area being of one roof type.

Increase the insulation value of

- Your attic to achieve a total minimum insulation value of RSI 7 (R-40)
- Your attic to achieve a total minimum insulation value of RSI 8.8 (R-50)
- Your flat roof and/or cathedral ceiling to achieve a total minimum insulation value of RSI 5 (R-28)

Add a minimum insulation value of RSI 1.8 (R-10) to your un insulated flat roof and/or cathedral ceiling and qualify for a grant of \$900.

STARTING POINT

	Up to R-12	+R-12 to R-25	+R- 25 to R-35
Your attic to achieve a total minimum insulation value of RSI 7 (R-40)	\$900	\$450	N/A
Your attic to achieve a total minimum insulation value of RSI 8.8 (R-50)	\$1,350	\$675	\$225
Your flat roof and/or cathedral ceiling to achieve a total minimum insulation value of RSI 5 (R-28)	\$1,350	\$450	N/A

EXTERIOR WALL INSULATION

A *minimum of 20 percent* of total wall surface must be insulated to qualify. Grants are 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 4" ON PAGE 6.

	MINIMUM ADDITIONAL INSULATION		
Percent area	R-3.8 to R-9	+R-9	
20%	\$405	\$675	
40%	\$810	\$1,350	
60%	\$1,215	\$2,025	
80%	\$1,620	\$2,700	
100%	\$2,025	\$3,375	

BASEMENT INSULATION

A *minimum of 20 percent* of the foundation's wall area (including basement and crawl space walls, when applicable) must be insulated to qualify. Grants are based on the percentage of wall area that is insulated and does not include walls between individual dwellings.

In the case of a row or semi-detached house, SEE "NOTE 4" ON PAGE 6.

	MINIMUM ADDITIONAL INSULATION		
Percent area	R-10 to R-23	+R-23	
20%	\$225	\$450	
40%	\$450	\$900	
60%	\$675	\$1,350	
80%	\$900	\$1,800	
100%	\$1,125	\$2,250	

BASEMENT HEADER INSULATION

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

\$225

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

Insulate your entire basement 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.

\$340

Eligible Improvements / Retrofits

Combined Grant Amounts

CRAWL SPACE INSULATION

MINIMUM ADDITIONAL INSULATION

	R-10 to R-23	+ R-23
<ul style="list-style-type: none"> Insulate 100% of the crawl space's total exterior wall area, including the header area. OR Insulate 100% of the floor above the crawl space to increase value by a minimum of RSI 4.2 (R-24). 	\$900	\$1,800
	N/A	\$450

AIR SEALING

SINGLE-FAMILY HOME

Perform air sealing to improve the air tightness of your home to achieve the target as indicated in your <i>Energy Efficiency Evaluation Report</i> .		\$340
BONUS: If you reach 10% or 20% better than the target included in your report, you can obtain an additional grant.	10%	\$215
	20%	\$430

DOORS / WINDOWS / SKYLIGHTS (heated space only)

SINGLE-FAMILY HOME

MURB

Replace windows and skylights with models that are ENERGY STAR qualified for your climate zone. (*per unit replaced)	*\$70	*\$70
Replace your exterior door(s) with an ENERGY STAR qualified model(s) for your climate zone. (*per unit replaced)	*\$70	*\$70

▪ SEE "NOTE 5" ON PAGE 6

WATER CONSERVATION

SINGLE-FAMILY HOME

MURB

Replace your toilet with a low-flush or dual-flush toilet rated at 6 litres per flush or less that meets the Los Angeles Supplementary Purchase Specifications (SPS) and has a flush performance of 350 grams or more. (**Maximum of 4 units per home) (***)Maximum of 2 units per dwelling)	**\$115	***\$115
A product list is available at www.veritec.ca .		

MURB MULTIPLIER (for insulation and air sealing)

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

		MURB Multipliers					
Number of Dwellings		2-3	4-6	7-9	10-12	13-16	17+
Multiplier		1.0	1.5	2.0	2.5	3.0	4.0

IMPORTANT NOTES:

1. All upgrades or renovations must meet local codes and by-laws. Pay special attention to the type and placement of vapour barriers when adding insulation to the building envelope. 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.
2. 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. The second system must be of the same type and efficiency. New installations are not eligible in cases where improvements listed state "replace."
3. 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 7 (R-40), you will receive a larger incentive than if you started from RSI 4.2 (R-24) and increased it to RSI 7 (R-40). Insulation value in RSI = R insulation value divided by 5.678.
4. 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 amount shown.
5. 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. 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*.
6. For more information on ENERGY STAR® qualified products, visit www.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.
7. NRCan and the Province of Saskatchewan reserves the right to update information, including revising the grant amounts, as required. Refer to www.saskenergy.com for the most up-to-date information.
8. Payment of grants is subject to the availability of funds. NRCan and the Province of Saskatchewan do 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.
9. Central air conditioners and air-source heat pumps 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. Under no circumstances will the replacement of only one of these coils entitle the homeowner to a grant. Some manufacturers match their low SEER air conditioner/air-source heat pump coil 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. However, this arrangement is not accepted under the grant program.

To be ENERGY STAR qualified in Canada, in addition to the minimum requirement of SEER 14.5, air-source heat pumps must also have a minimum HSPF of 7.1 for Region V, which is more reflective of the Canadian climate. If the heat pump is only rated for Region IV, which is used in the United States, it must have a minimum HSPF of 8.2. Mini-split (ductless) air-source heat pumps must have at least one head per floor, excluding the basement, to qualify for a grant. In the case of mini-split (ductless) air conditioners that do not have at least one head per floor, excluding the basement, each head will be considered a room air conditioner.

When having a your central air conditioner or air-source heat pump 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 and Refrigeration Institute (ARI) reference number should be included as well.



For more information on Saskatchewan EnerGuide for Houses Retrofit Grant, or to find out how to book an appointment with an NRCan-licensed energy advisor, visit the SaskEnergy website at saskenergy.com or call 1-800-567-8899.

For more information on ecoENERGY Retrofit—Homes visit ecoaction.gc.ca and follow the links to ecoENERGY Retrofit or call 1-800-O-Canada (1-800-622-6232) TTY: 1-800-926-9105

