

Saskatchewan EnerGuide for Houses

Effective January 1, 2008

Retrofit Your Home and Qualify for a Grant!

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 Saskatchewan EnerGuide for Houses and federal ecoENERGY Retrofit programs.

SaskEnergy, on behalf of the Province of Saskatchewan, and Natural Resources Canada (NRCan) are offering a residential energy efficiency assessment service 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. Under the Saskatchewan EnerGuide for Houses and the ecoENERGY Retrofit programs, property owners can qualify for provincial and federal grants by improving the energy efficiency of their homes, and reducing their home's impact on the environment.

NRCan-certified energy advisors conduct a detailed on-site assessment of your home's energy use from the attic down to the basement. They then provide you with a personalized written 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 covered under Saskatchewan EnerGuide for Houses and ecoENERGY Retrofit—Homes and the corresponding grant amounts. The maximum grant you can receive for a home or MURB is \$10,000—that's \$5,000 from the Province of Saskatchewan and \$5,000 from NRCan.

The grant amount is calculated and based on amounts that are in effect at the time of the post-retrofit evaluation (E audit).



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

Eligible Improvements / Retrofits

	Combined Grant Amounts		
	SINGLE FAMILY HOME for 1 st system	for 2 nd system	MURB (per building)
HEATING SYSTEM			
Replace your heating equipment with			
<ul style="list-style-type: none"> an ENERGY STAR qualified gas furnace that has a 90.0% annual fuel utilization efficiency (AFUE) or better 	\$600	\$300	SAME AS SINGLE FAMILY HOME
<ul style="list-style-type: none"> an ENERGY STAR qualified gas furnace that has a 92.0% AFUE or better, and a DC variable-speed motor 	\$1,000	\$500	
<ul style="list-style-type: none"> an ENERGY STAR qualified gas or oil boiler that has an 85.0% AFUE or better 	\$1,200	\$600	
<ul style="list-style-type: none"> an ENERGY STAR qualified oil furnace that has an 85.0% AFUE or better, and a DC variable-speed motor 	\$1,000	\$500	
<ul style="list-style-type: none"> an ENERGY STAR qualified oil furnace that has an 83.0% AFUE or better 	\$600	\$300	
Install a CAN/CSA-C448 compliant earth-energy system (ground or water source heat pump) ¹	\$7,000	N/A	
Replace the heat pump unit of an existing earth-energy system (ground or water source). The system must be compliant with CAN/CSA-C448. (*per equipment installed)	\$2,800	N/A	
Install an ENERGY STAR qualified air-source heat pump that has a rating of SEER 14 or better. ¹ (*per equipment installed)	\$800	N/A	*\$800
Install a minimum of 5 electronic thermostats for electric baseboard heaters. Electric baseboards must be the primary system. (**for each set of 5 installed)	\$60	N/A	**\$60
Replace your wood-burning appliance with a model that meets either CSA-B415.1-M92 (Performance Testing of Solid-Fuel-Burning Heating Appliances) or the U.S. Environmental Protection Agency (EPA) wood-burning appliance standards (40 CFR Part 60) or with a wood pellet stove (including stoves that burn grain or corn). (**per equipment replaced)	\$600	\$300	***\$600
VENTILATION SYSTEM			
Install a heat recovery ventilator that is certified by the Home Ventilating Institute. (see www.hvi.org) (*per equipment installed)	\$600	N/A	*\$600
COOLING SYSTEM (Replacement Only)			
Replace your central air conditioner with an ENERGY STAR qualified SEER 14 system (complete system replacement, including any indoor and outdoor components). See "Important Notes" section on page 6.	\$400	N/A	\$400
Replace your window air conditioner(s) with an ENERGY STAR qualified unit(s). (*per unit replaced)	*\$40	N/A	*\$40

¹ 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		
	SINGLE FAMILY HOME		MURB
	for 1 st system	for 2 nd system	(per building)
DOMESTIC HOT WATER SYSTEM			
Install a solar domestic hot water system that meets CAN/CSA Standards ²	\$1,500	N/A	\$1,500
Replace your domestic hot water heater with an instantaneous gas water heater that has an energy factor (EF) of 0.80 or better, or a thermal efficiency of at least 90% (*per equipment installed)	\$500	N/A	*\$500
Replace your domestic hot water heater with a condensing gas or propane water heater that has an energy factor (EF) of 0.80 or better, or a thermal efficiency of at least 90% (*per equipment installed)	\$600	N/A	*\$600
Install a drain water heat recovery (DWHR) system. The grant is based on the efficiency of the pipe installed. (*per unit installed)			
• Efficiency between 30% and 42%	*\$150	N/A	*\$150
• Efficiency between 43% and 54%	*\$260	N/A	*\$260

(For a multi-unit residential building, the insulation grant is multiplied by the MURB MULTIPLIER shown on page 5)

	SINGLE FAMILY HOME		
	STARTING POINT		
	up to R-12	+R-12 to R-25	+R-25 to R-35
ATTIC INSULATION			
Grants listed reflect 100 percent of roof area being of one type.			
When the roof has more than one type (e.g. attic and cathedral), all applicable grants are pro-rated based on area type that is entirely insulated.			
The maximum grant for an attic and cathedral/flat ceiling combined is \$1,200.			
Increase the insulation value up to 100 percent of:			
• your attic to achieve a total minimum insulation value of RSI 7 (R-40)	\$800	\$400	N/A
• your attic to achieve a total minimum insulation value of RSI 8.8 (R-50)	\$1,200	\$600	\$200
• your flat roof and/or cathedral ceiling to achieve a total minimum insulation value of RSI 5 (R-28)	\$1,200	\$400	N/A
• your uninsulated flat roof and/or cathedral ceiling by a minimum of RSI 1.8 (R-10)	\$800	(STARTING POINT: UNINSULATED)	

²Provincial grant - \$1,000; Federal grant - \$500.

Eligible Improvements / Retrofits

Combined Grant Amounts

EXTERIOR WALL INSULATION

A minimum of 20 percent of total wall surface must be insulated to qualify.

The grant is based on the percentage of surface area insulated. In the case of a row or semi-detached house, see the "Important Notes" section on page 6.

MINIMUM ADDITIONAL INSULATION

	R-3.8 to R-9	+R-9
20%	\$360	\$600
40%	\$720	\$1,200
60%	\$1,080	\$1,800
80%	\$1,440	\$2,400
100%	\$1,800	\$3,000

EXPOSED FLOOR INSULATION

Insulate your exposed floor (minimum of 150 square feet is necessary) and increase all of its insulation value by a minimum of RSI 3.5 (R-20).

\$300

BASEMENT INSULATION

A minimum of 20 percent of the basement's exterior total wall surface must be insulated to qualify.

The grant is based on the percentage of exterior wall area insulated and does not include common walls between individual dwelling units. In the case of a row or semi-detached house, see the "Important Notes" section on page 6.

MINIMUM ADDITIONAL INSULATION

	R-10 to R-23	+R-23
20%	\$200	\$400
40%	\$400	\$800
60%	\$600	\$1,200
80%	\$800	\$1,600
100%	\$1,000	\$2,000

The applicable grant for basement and crawl space combined is pro-rated on the type that is entirely insulated. The maximum grant for basement and crawl space is \$2,000.

BASEMENT HEADER INSULATION

Seal and insulate all of your basement header area by a minimum of RSI 3.5 (R-20).

SINGLE FAMILY HOME

\$200

MURB

See MURB Multiplier on page 5

CRAWL SPACE INSULATION

A minimum of 100 percent of total wall surface must be insulated to qualify.

MINIMUM ADDITIONAL INSULATION

	R-10 to R-23	+R-23
	\$800	\$1,600
	N/A	\$400

Insulate 100 percent of the floor above the crawl space to increase its insulation value by a minimum of RSI 4.2 (R-24) to qualify.

Eligible Improvements / Retrofits

	Combined Grant Amounts	
	SINGLE FAMILY HOME	MURB
<p>AIR SEALING</p> <p>Perform air sealing to improve the airtightness of the home/building to reach the target as indicated in your <i>Energy Efficiency Evaluation Report</i>.</p> <p><u>BONUS:</u> You can obtain an additional \$300 incentive if you reach 20 percent better than target.</p>	\$300	See MURB Multiplier below
<p>DOORS / WINDOWS / SKYLIGHTS (heated space only)</p> <p>Replace windows and skylights with models that are ENERGY STAR qualified for your climate zone.</p> <p>Replace your exterior door(s) with an ENERGY STAR qualified model(s) for your climate zone.</p>	<p>SINGLE FAMILY HOME per unit replaced</p> <p>\$60</p> <p>\$60</p>	<p>MURB per unit replaced</p> <p>\$60</p> <p>\$60</p>
<p>WATER CONSERVATION</p> <p>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 Specification (SPS) and with a flush performance of 350 grams or more.</p> <p>A product list is available on this web site: www.veritec.ca</p>	<p>SINGLE FAMILY HOME per unit replaced</p> <p>\$100</p>	<p>MURB per unit replaced</p> <p>\$100</p>

MURB MULTIPLIER

(for insulation and air sealing)

MURB Multipliers (for insulation and air sealing)				
Number of Dwellings	2-3	4-6	7-9	10+
	Multiplier	1.0	1.5	2.0

IMPORTANT NOTES:

1. All upgrades or renovations must meet local codes and by-laws. Pay special attention to the 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, the new equipment must have a higher efficiency than that of the original equipment.
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 above grade, basement or crawl space walls is 75 percent of the amount shown on page 4. In the case of a row house that is a middle unit, the grant amount is 50 percent of the amount shown.
5. In the case of multi-unit residential buildings, the total incentive will be calculated for the entire building and not for each dwelling upgraded within.
6. 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.
7. In most cases, Province of Saskatchewan and federal grants are 50 percent respectively. Any differences in qualifying grants or contributions are noted. The Province of Saskatchewan reserves the right to update information, including the grant amounts, as required. Refer to saskenergy.com for the most up-to-date information.
8. Central air conditioners must be ENERGY STAR qualified with a seasonal energy efficiency ratio (SEER) of 14 or greater to be eligible for a grant. To meet this requirement, a manufacturer's new ENERGY STAR qualified matched condenser coil (outdoor unit comprised of condenser coil, compressor and cooling fan) and indoor evaporator coil (typically located with the furnace/air handler) must be SEER 14 or greater. Under no circumstance will the replacement of only one of these coils entitle the homeowner to a grant for the cooling system, just as components that are not certified by the manufacturer as being matched will not be accepted.

Currently, many companies match their SEER 13 central air conditioner coil package with one of their DC variable-speed motor equipped furnaces/air handlers (i.e. blower) as a method to reduce the power consumption requirement for ENERGY STAR compliance and labeling. However, NRCAN will NOT accept this arrangement under the EnerGuide for Houses program because the outside condenser unit must meet the minimum SEER 14 requirements with its matching inside evaporator coil only and not in combination with an energy-efficient motor from a furnace.

When having your new central air conditioner or air-source heat pump installed, ask the contractor to indicate on your invoice the manufacturer's name of the condenser coil and the model numbers of BOTH the new condenser and new evaporator coils. The energy advisor will request to see this information when performing the post-retrofit evaluation on your home.

**For more information on Saskatchewan EnerGuide for Houses Retrofit Grant,
or to find out how to book an appointment with an NRCAN-certified 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**