



Effective June 6, 2011

**Save NOW
with a home
retrofit grant -
Save later on
your energy
bills.**

**The Government of
Canada has renewed
the ecoENERGY Retrofit
- Homes program
from June 6, 2011, to
March 31, 2012, to help
homeowners make their
homes more energy-
efficient and reduce the
burden of high energy
costs.**

Grant table for ecoENERGY Retrofit – Homes

The ecoENERGY Retrofit – Homes program can help you invest in energy-efficient upgrades. Owners of most houses, four-season recreational properties and low-rise multi-unit residential buildings (MURBs) can register to be eligible.

The maximum federal grant is \$5,000 for applications since April 2007. If you participated before April 1, 2011, and have not received the maximum amount for your current property, you can submit one more application for additional improvements after June 6, 2011. Owners of multiple dwellings and MURBs could receive up to \$1,000,000.

Steps to apply for the grant

- 1. Registration:** First, register with Natural Resources Canada (NRCan) at oee.nrcan.gc.ca/register and receive a registration number. If you do not have Internet access, you can call 1 800 O-Canada (1-800-622-6232).
- 2. Pre-retrofit evaluation:** Hire a local service organization licensed by NRCan. They will send a certified energy advisor to perform a pre-retrofit energy evaluation from the attic to the foundation. If the property has already been evaluated under this program since April 2007, a new pre-retrofit evaluation is not required.
- 3. Retrofit with receipts:** Choose, purchase and install eligible measures described in this document, and keep your receipts for three years. The more upgrades you implement, the more money you can receive, and the more energy you can save.
- 4. Post-retrofit evaluation:** Complete your renovations and obtain a post-retrofit evaluation no later than March 31, 2012. You must **show all your receipts** to your energy advisor during the final evaluation to verify that eligible upgrades were purchased after June 6, 2011, and installed after a pre-retrofit evaluation.

Most homeowners receive a grant cheque from the Government of Canada within 90 days after their post-retrofit evaluation. NRCan also transfers data to complementary incentive programs in certain provinces and territories that issue cheques according to their own criteria and deadlines.

Refer to page 10 for key grant requirements, and to the back of this document for contact information.

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Aussi disponible en français sous le titre :
Tableau des subventions écoÉNERGIE Rénovation – Maisons
(En vigueur le 6 juin 2011)

Cat. No. M144-149/2011E (Print)

ISBN 978-1-100-18920-8

Cat. No. M144-149/2011E-PDF (On-line)

ISBN 978-1-100-18921-5

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Eligible improvements

HEATING SYSTEMS (New or replacement)

ENERGY STAR® and other qualified equipment or systems marked with a check mark (✓) must appear on lists of models linked from the Web version of this document (oe.nrcan.gc.ca/retrofit/table). New equipment must have efficiency ratings higher than the equipment replaced. If replacing two heating systems, both new systems must be in the same category below. For oil-fired upgrades, see “Important notes about oil-fired furnaces and boilers” on page 4. For boiler upgrades, see “Important notes about combined space and domestic water heating equipment” on page 6.

Replace your heating system with one of the following bulleted items:	Category	Grant amounts		
		Home		MURB
		1 st equipment	2 nd equipment	
<ul style="list-style-type: none"> a gas furnace that has a 92.0 percent annual fuel utilization efficiency (AFUE) or higher. ✓ 	1	\$375	\$190	Same as homes
<ul style="list-style-type: none"> a gas furnace that has a 92.0 percent AFUE or higher and a brushless DC motor. ✓ 	2	\$625	\$315	
<ul style="list-style-type: none"> a gas furnace or ENERGY STAR qualified oil furnace that has a 94.0 percent AFUE or higher and a brushless DC motor. ✓ 	3	\$650	\$350	
<ul style="list-style-type: none"> a gas furnace or ENERGY STAR qualified oil furnace that has a 94.0 percent AFUE or higher and a brushless DC motor when installing a condensing furnace for the first time. ✓ 	4	\$790	\$400	
<ul style="list-style-type: none"> an ENERGY STAR qualified condensing gas boiler that has a 90.0 percent AFUE or higher. ✓ 	5	\$750	\$375	
<ul style="list-style-type: none"> an ENERGY STAR qualified oil boiler that has an 85.0 percent AFUE or higher. ✓ 	6	\$750	\$375	
<ul style="list-style-type: none"> an ENERGY STAR qualified oil furnace that has an 85.0 percent AFUE or higher. ✓ 	7	\$375	\$190	
<ul style="list-style-type: none"> an ENERGY STAR qualified oil furnace that has an 85.0 percent AFUE or higher and a brushless DC motor. ✓ 	8	\$625	\$315	
<p>Replace your heating system in a mobile home with a qualified zero-clearance gas furnace that has a 90.0 percent AFUE or higher. ✓</p>		\$375	N/A	
<p>Install a ground or water source earth-energy system (sometimes called a “geothermal system”) that conforms to the CAN/CSA-C448 Standard from the Canadian Standards Association. A company qualified by the Canadian GeoExchange Coalition (CGC) must install the new system or a complete replacement of an existing system (new heat pump unit and new loop). The CGC must also certify the system after installation. Visit geo-exchange.ca for a list of qualified companies and certification requirements.</p>		\$4,375	N/A	

<p>Replace only the heat pump unit of an existing earth-energy system (ground or water source heat pump). A company qualified by the CGC must install the heat pump according to CAN/CSA-C448. The CGC must also certify the system after installation. Visit geo-exchange.ca for a list of qualified companies and certification requirements.</p>	\$1,750	N/A	\$1,750 (per equipment replaced)
<p>Replace your existing space and domestic water heating equipment with a qualified integrated mechanical system (IMS) that is CSA P.10-07 certified and that achieves the "premium" performance rating. An IMS provides space heating, domestic hot water and heat recovery ventilation functions. ✓</p>	\$1,625	N/A	\$1,625 (per equipment replaced)
<p>Replace your wood-burning system or appliance with one of the following:</p> <ul style="list-style-type: none"> • an indoor wood-burning appliance certified to either CAN/CSA-B415.1-M92 or the United States Environmental Protection Agency (EPA) 40 CFR Part 60 wood-burning appliance standard. Appliances exempt from EPA testing are not eligible unless they are B415.1-M92 certified. • an indoor pellet-burning appliance (includes stoves, furnaces and boilers that burn wood, corn, grain or cherry pits). • an indoor masonry heater. <p>Gas fireplaces are not eligible.</p>	\$375	\$190	\$375 (per equipment replaced)
<p>Replace your solid fuel-fired outdoor boiler with an outdoor wood-burning appliance certified to either CAN/CSA-B415.1 or U.S. EPA Outdoor Wood-fired Hydronic Heater (OWHH Method 28) Program (Phase 1 and 2). The capacity of the new equipment must be equal to or smaller than the capacity of the boiler being replaced.</p>	\$375	N/A	\$375 (per building)
<p>Install a minimum of five electronic thermostats if electric baseboard heaters are the primary space heating system.</p>	\$40 for 5	N/A	\$40 (per set of 5)
<p>Install one of the following ENERGY STAR qualified air-source heat pumps (ASHP) that provide space heating and optional cooling. The ASHP must have an Air-Conditioning, Heating and Refrigeration Institute (AHRI) number meeting the requirements in Table 1 row 1:</p> <ul style="list-style-type: none"> • a central split-system ASHP that is a complete new system or replacement including the matched indoor coil and outdoor unit, as well as a furnace if required to meet ENERGY STAR. ✓ • a single package ASHP. ✓ • a ductless mini-split ASHP with at least one indoor head per floor (excluding the basement) that is a complete new system or replacement including indoor head and outdoor unit. ✓ <p>See "Important notes about air-source heat pumps (ASHP) and central air-conditioners (A/C)" on page 5. When replacing a central A/C, see "Cooling Systems" for additional applicable grants.</p>	\$500	N/A	\$500 (per equipment replaced or installed)

N/A = Not applicable

Important notes about oil-fired furnaces and boilers

Unlike gas-fired equipment, installers can configure oil-fired furnaces and boilers on-site to meet the heating requirements of the home. The nozzle size (which affects the heating capacity), venting arrangement (side wall or chimney) and burner model are three important components that can change the AFUE and ENERGY STAR qualification. Before purchasing a new oil-fired furnace or boiler, ask your installer to verify with the manufacturer that the AFUE is based on your specific configuration (nozzle, venting and burner) and meets the grant eligibility requirements. Once installed, ask the installer to provide your furnace or boiler specifications (brand name, model number, nozzle rating in U.S. gallons per hour, heating capacity with installed nozzle, burner model name, venting arrangement and AFUE) with your invoice.

Important notes about air-source heat pumps (ASHP) and central air-conditioners (A/C)

When selecting a new ENERGY STAR qualified ASHP or central A/C, the complete system must meet the requirements in Table 1 below. The system is composed of a matched outdoor unit (condenser coil), indoor unit (evaporator coil or head in the case of ductless mini-splits) and sometimes a specific furnace. The installer must supply an invoice with all makes and model numbers including the AHRI reference number. When the AHRI reference number includes a furnace model, that furnace must be present at the time of the post-retrofit evaluation or otherwise the ASHP or A/C will not qualify for a grant. For ductless mini-split ASHP, at least one outdoor unit combined with one or more heads must meet the 12,000 BTU/hr requirements.

Table 1: Minimum requirements for air-source heat pumps and air conditioners

	Type	Seasonal Energy Efficiency Ratio (SEER)	Energy Efficiency Ratio (EER)	Heating Seasonal Performance Factor (HSPF) for Region V (Canada)	Heating capacity (BTU/hr)
1	Air-Source Heat Pumps	14.5	12.0	7.1	12,000
2	Air Conditioners	14.5	12.0	N/A	N/A

COOLING SYSTEMS (Replacement only) ENERGY STAR and other qualified equipment or systems marked with a check mark (✓) must appear on the list of models linked from the Web version of this document (oeenrcan.gc.ca/retrofit/table). The newly installed equipment must have efficiency ratings higher than the equipment being replaced. See "Important notes about air-source heat pumps (ASHP) and central air-conditioners (A/C)".	Grant amounts	
	Home	MURB
Replace your central air-conditioning system with one of the following ENERGY STAR qualified A/C systems: <ul style="list-style-type: none"> • a central split-system A/C that has an AHRI number meeting the requirements in Table 1 row 2. ✓ • a ductless mini-split that has an AHRI number meeting the requirements in Table 1 row 2 with at least one indoor head per floor excluding the basement. ✓ • an ASHP that meets the requirements of the "Heating Systems" section of this document that also provides cooling (such a system would be eligible for both a space heating and cooling grant). ✓ 	\$250 (one grant only)	\$250 (per building)
Replace your window A/C unit with one of the following: <ul style="list-style-type: none"> • an ENERGY STAR qualified ductless mini-split that has an AHRI number meeting the requirements in Table 1 row 2 with less than one indoor head per floor. ✓ • an ENERGY STAR qualified window A/C unit. ✓ 	\$25 (per unit replaced; maximum of 5 units)	\$25 (maximum of 2 units per dwelling unit)

VENTILATION SYSTEMS (New or replacement) If replacing a heat-recovery ventilator (HRV) or energy-recovery ventilator (ERV), the new equipment must have a higher efficiency rating than the original equipment.	Grant amounts	
	Home	MURB
Install an HRV or ERV that is certified by the Home Ventilating Institute (HVI) and listed in Section 3 of their product directory. Go to hvi.org , click "Consumers" and "Certified Products Directory." Systems listed in other sections of the HVI directory are not eligible. ✓	\$375	\$375 (per equipment replaced or installed)

Important notes about combined space and domestic water heating equipment

Some manufacturers market their equipment as “combi” or “combo” systems (e.g., boilers that supply space heating and domestic hot water or instantaneous domestic water heaters that also provide space heating). Such equipment is considered as either a boiler, an instantaneous water heater or a condensing gas storage-type water heater. Eligibility is based on the NRCAN list of qualified equipment in which the model number is found (e.g., if the equipment model number appears on the list of domestic water heaters, it will not qualify as a boiler). A combi or combo system cannot qualify for both the space heating boiler grant and the domestic hot water grant, or as an integrated mechanical system (IMS).

DOMESTIC HOT WATER EQUIPMENT (New or replacement)	Grant amounts	
	Home	MURB
ENERGY STAR and other qualified equipment or systems marked with a check mark (✓) must appear on the list of models linked from the Web version of this document (oe.nrcan.gc.ca/retrofit/table). Newly installed equipment must have a higher efficiency rating than the equipment being replaced.		
Install a solar domestic hot water system that provides a minimum energy contribution of six gigajoules per year (GJ/yr) and is CAN/CSA F379 Standard certified. Systems must appear on CanmetENERGY’s “Performance Directory of Solar Domestic Hot Water Systems” and not be identified as “seasonal operation”. ✓	\$1,250	Refer to the program Web site for instructions
Replace your domestic water heater with an ENERGY STAR and “ecoENERGY” qualified instantaneous, gas-fired water heater that has an energy factor (EF) of 0.82 or higher. ✓	\$315	\$315 (per equipment replaced)
Replace your domestic water heater with an ENERGY STAR and “ecoENERGY” qualified instantaneous, condensing gas-fired water heater that has an EF of 0.90 or higher. ✓	\$375	\$375 (per equipment replaced)
Replace your domestic water heater with a condensing gas storage-type water heater that has a minimum thermal efficiency (TE) of 94 percent. ✓	\$375	\$375 (per equipment replaced)
Install a drain-water heat recovery (DWHR) system. Grants are based on the efficiency of the system as follows:		
<ul style="list-style-type: none"> • efficiency between 30.0 and 41.9 percent ✓ 	\$95	\$95 (per equipment installed)
<ul style="list-style-type: none"> • efficiency of 42.0 percent or higher ✓ 	\$165	\$165 (per equipment installed)

Important notes about building envelopes and insulation

- When adding insulation to the building envelope, pay special attention to the type and placement of vapour barriers, and check your local building code.
- Visit oe.nrcan.gc.ca/retrofit/health for information on health and safety considerations when choosing and installing insulation.
- Insulation R-values equal the RSI value multiplied by 5.678.
- Insulation products must meet the applicable Canadian thermal insulation standard. “System values” or values of materials not tested to Canadian thermal insulation standards cannot be used for determining the amount of insulation added. Only Canadian thermal resistivity values are accepted.

Apply the appropriate MURB multiplier to the grant level for insulation and air sealing grants. Visit the Frequently Asked Questions (FAQ) section of the Web site (oe.nrcan.gc.ca/retrofit/questions#murb) for a detailed description of eligible MURBs and dwelling units.

Table 2: MURB multiplier for insulation and air sealing credits

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

CEILING INSULATION

Insulate a minimum of 20 percent of the total ceiling area. When the roof consists of more than one type (i.e., attic, cathedral ceiling and flat roof), all applicable grants are pro-rated based on the ceiling area and roof type. The grant for any combination of attic, cathedral ceiling and flat roof cannot exceed \$750. Grants listed reflect 100 percent of the ceiling area being of one roof type. You must add additional insulation in the same location (e.g., attic floor vs. attic ceiling) as the insulation present at the time of the pre-retrofit evaluation.

Increase the insulation value of the following:	Insulation level at the time of pre-retrofit evaluation		
	RSI 2.11 (R-12) and less	Greater than RSI 2.11 (R-12) and up to RSI 4.40 (R-25)	Greater than RSI 4.40 (R-25) and up to RSI 6.16 (R-35)
<ul style="list-style-type: none"> your attic to achieve a total minimum insulation value of RSI 7.04 (R-40). 	\$500	\$250	N/A
<ul style="list-style-type: none"> your attic to achieve a total minimum insulation value of RSI 8.81 (R-50). 	\$750	\$375	\$125
<ul style="list-style-type: none"> your flat roof and/or cathedral ceiling to achieve a total minimum insulation value of RSI 4.93 (R-28). 	\$750	\$250	N/A

Insulate your uninsulated flat roof or cathedral ceiling to increase its insulation value by a minimum of RSI 1.76 (R-10) to qualify for a grant of \$500.

EXTERIOR WALL INSULATION

Insulate a minimum of 20 percent of the total exterior wall area.

	Minimum additional insulation		
	Percent area	RSI 0.67 (R-3.8) to RSI 1.59 (R-9)	Greater than RSI 1.59 (R-9)
The grant is based on the percentage of wall area that you insulate and does not include walls between individual units. For a semi-detached or end unit row house, grants are 75 percent of the amounts shown. For a middle unit row house, grants are 50 percent of the amounts shown. See "Important notes about building envelopes and insulation" on page 6.	20%	\$225	\$375
	40%	\$450	\$750
	60%	\$675	\$1,125
	80%	\$900	\$1,500
	100%	\$1,125	\$1,875

EXPOSED FLOOR INSULATION This includes overhangs and floors above an unheated space such as an unheated garage, but excludes crawl spaces.	Minimum additional insulation	
	RSI 3.5 (R-20)	
Insulate your entire exposed floor and increase its insulation value by a minimum of RSI 3.52 (R-20). Insulate a minimum floor area of 14 square metres (150 square feet).	\$190	

BASEMENT INSULATION Insulate a minimum of 20 percent of the wall area of the foundation, including basement and crawl space walls.	Minimum additional insulation		
	Percent area	RSI 1.76 (R-10) to RSI 4.95 (R-23)	Greater than RSI 4.05 (R-23)
The grant is based on the percentage of wall area that you insulate and does not include walls between individual units. For a semi-detached or end unit row house, grants are 75 percent of the amounts shown. For a middle unit row house, grants are 50 percent of the amounts shown. When both a basement and crawl space are present, all applicable grants are pro-rated to a maximum of \$1,250 based on the total wall area. See "Important notes about building envelopes and insulation" on page 6.	20%	\$125	\$250
	40%	\$250	\$500
	60%	\$375	\$750
	80%	\$500	\$1,000
	100%	\$625	\$1,250
Seal and insulate your entire basement header area to increase its insulation value by a minimum of RSI 3.52 (R-20) to qualify for a grant of \$125.			

CRAWL SPACE INSULATION When both a basement and crawl space are present, all applicable grants are pro-rated to a maximum of \$1,250 based on the total wall area.	Minimum additional insulation	
	RSI 1.76 (R-10) to RSI 4.05 (R-23)	Greater than RSI 4.05 (R-23)
Insulate 100 percent of your crawl space's total exterior wall area, including the header area. For a semi-detached or end unit row house, grants are 75 percent of the amounts shown. For a middle unit row house, grants are 50 percent of the amounts shown. If your house contains multiple foundations, the grant amounts shown will be pro-rated based on total exterior foundation wall area. OR Insulate 100 percent of the floor above the crawl space to increase its insulation value by a minimum of RSI 4.23 (R-24).	\$500	\$1,000
	N/A	\$250

AIR SEALING	Home	
Perform air sealing to improve the air-tightness of your home to achieve the air-change rate target indicated in your "Energy Efficiency Evaluation Report."	\$190	
BONUS: If you reach 10 or 20 percent better than the target included in your report, you can obtain an additional grant.	10%	\$120
	20%	\$240

WINDOWS/DOORS/SKYLIGHTS	
<p>Windows, doors and skylights must be ENERGY STAR qualified and installed into a pre-existing rough opening in a wall or roof.</p> <p>Grant amounts are calculated per rough opening, not per number of windows, doors or skylights. A "rough opening" is defined as the structural framing in a wall or roof separating a heated from unheated space that creates an opening for the installation of a window, door or skylight. For example, a bay window with three window units installed into one rough opening is eligible for only one grant.</p> <p>"ENERGY STAR qualified" means that the model meets or exceeds the ENERGY STAR levels established for the climate zone where the model is installed. Each qualified model comes with a temporary label showing the appropriate ENERGY STAR climate zones. Do not remove these labels until after your post-retrofit evaluation. Visit the FAQ (oee.nrcan.gc.ca/retrofit/questions#windows) for more information on eligible models or to determine your climate zone.</p> <p>You can insert a qualifying window unit into the existing frame of an old window, but replacements of only the glass, sash or door without a frame are not eligible.</p>	
Replace your windows, doors or skylights with ENERGY STAR qualified models.	Grant amount
	\$40 (per rough opening)

WATER CONSERVATION	Grant amount	
Replace your toilet with a low-flush or dual-flush toilet that meets the Uniform North American Requirements (UNAR). To find eligible models, visit map-testing.com , click "MaP SEARCH" and select "Meets UNAR/ecoENERGY requirements." ✓	Home	MURB
	\$65 (per unit replaced, maximum of 4 units per home)	\$65 (per unit replaced, maximum of 2 units per dwelling unit)

Other important information

- 1. Homeowner responsibility:** To ensure grant eligibility, program participants are solely responsible for registering, researching program criteria, choosing eligible products, keeping receipts and meeting deadlines. This document does not detail all program requirements. For additional program information or who to contact for specific questions, visit the FAQ (oee.nrcan.gc.ca/retrofit/questions) or call the number on the back page.
- 2. Receipts and photos:** Provide your energy advisor with receipts for ALL purchases and installations of eligible upgrades during your post-retrofit evaluation, and keep these receipts for at least three years. Provide photos of work that is difficult to verify, such as insulation of walls or cathedral ceilings.
- 3. Eligible properties:** Visit the FAQ (oee.nrcan.gc.ca/retrofit/questions#eligible) or call the number on the back page for a description of eligible property types or to help determine if your home had a previous energy evaluation.
- 4. New construction:** New construction is not eligible. Renovations that include an addition could reduce your grant amount for improvements implemented in the original portion of the house.
- 5. Service organizations and energy advisors:** Visit NRCan's list of licensed service organizations searchable by postal code (oee.nrcan.gc.ca/retrofit/search) or call the number on the back page. Note that service organizations and their certified energy advisors are not contracted or paid by NRCan, nor do they act as agents of the Government of Canada. If you have questions or concerns about the quality of the evaluations or customer service you received, contact the head office of the organization you decided to hire. You can use a different service organization for your post-retrofit evaluation. Each service organization sets its own prices.
- 6. Eligible measures:** Refer to the Web version of this document (oee.nrcan.gc.ca/retrofit/table) for links to lists of equipment indicated with a checkmark (✓). Equipment must be new and not previously installed in another home or building.
- 7. Product liability:** NRCan does not endorse any specific product, retailer or contractor and accepts no liability in the selection of materials, products, performance or workmanship.
- 8. Grants per upgrade:** You can only receive one grant per eligible upgrade unless otherwise specified.
- 9. Health and safety:** 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 structure, its indoor air quality and your safety are not compromised.
- 10. ENERGY STAR equipment:** Information on ENERGY STAR is available at energystar.nrcan.gc.ca. The ENERGY STAR name and symbol are administered and promoted in Canada by NRCan and are registered in Canada by the U.S. EPA.
- 11. Final evaluations:** Book your post-retrofit evaluation as early as possible. It may be increasingly difficult to find available appointments as the program nears its end date of March 31, 2012. As the program's financial authority ends on that date, extensions or exceptions are not possible.
- 12. Program changes:** NRCan reserves the right to revise the information in this document without advance notice, including any grant amounts and eligibility requirements in effect at the time of the post-retrofit evaluation. The payment of grants is subject to the availability of funds.

For more information on the program, how to register or how to book an appointment with an energy advisor, visit **ecoaction.gc.ca/homes** or call 1 800 O-Canada (1-800-622-6232). TTY: 1-800-926-9105. After receiving an evaluation, always quote your file number when making enquiries.

Natural Resources Canada's Office of Energy Efficiency
Leading Canadians to Energy Efficiency at Home, at Work and on the Road

Canada