

# It pays to be green.



Lower your energy bills and get up to **\$10,000** in Ontario and federal rebates. **PLUS** save half on your home audit, up to \$150.



**It pays.**

**The Ontario Home Energy Savings Program** will find your home's energy leaks and identify renovations you can make to lower your energy bills by up to 30%. Renovating your home with energy efficient retrofits could earn you up to \$10,000 in Ontario and federal rebates.

The program was created specifically to help homeowners save money, save energy and reduce greenhouse gas emissions. The more energy-saving upgrades you make, the more money you'll get back.



Book your audit at  
[www.ontario.ca/homeenergy](http://www.ontario.ca/homeenergy)

Paid for by the Government of Ontario

# Eligible Improvements and Retrofits – Total Combined Provincial and Federal Rebate Amounts

	Single-Family Home		MURB (per building)
	For 1 <sup>st</sup> System	For 2 <sup>nd</sup> System	
<b>✓ Heating System</b> - Replace your heating system with:			
An ENERGY STAR® qualified gas furnace that has a 92.0% Annual Fuel Utilization Efficiency (AFUE) or higher.	\$750	\$380	Same as Single Family Home
An ENERGY STAR® qualified gas furnace that has a 92.0% AFUE or higher and a brushless DC motor.	\$1,250	\$630	
An ENERGY STAR® qualified gas furnace that has a 94.0% AFUE or higher and a brushless DC motor.	\$1,300	\$700	
An ENERGY STAR® qualified gas furnace that has a 94.0% AFUE or higher and a brushless DC motor (when installing a condensing furnace for the first time).	\$1,580	\$800	
An ENERGY STAR® qualified condensing gas boiler that has a 90.0% AFUE or higher.	\$1,500	\$750	
An ENERGY STAR® qualified oil boiler that has an 85.0% AFUE or higher.	\$1,500	\$750	
An ENERGY STAR® qualified oil furnace that has an 85.0% AFUE or higher.	\$750	\$380	
An ENERGY STAR® qualified oil furnace that has an 85.0% AFUE or higher and a brushless DC motor.	\$1,250	\$630	
<b>Install</b> an earth-energy system (ground or water source) that is compliant with CAN/CSA-C448 and certified by the Canadian GeoExchange Coalition ( <a href="http://www.geo-exchange.ca">www.geo-exchange.ca</a> ) – applies to a new system or a complete replacement.	\$8,750	N/A	
<b>Replace</b> a heat pump unit of an existing earth-energy system (ground or water source). The system must be compliant with CAN/CSA-C448 and certified by the Canadian GeoExchange Coalition ( <a href="http://www.geo-exchange.ca">www.geo-exchange.ca</a> ). (*per equipment replaced)	\$3,500	N/A	*\$3,500
<b>Replace</b> 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 standard's premium performance requirements. (*per equipment replaced)	\$3,250	N/A	*\$3,250
<b>Replace</b> your wood-burning appliance with a model that meets either CSA-B415.1-M92 or the U.S. Environmental Protection Agency (EPA) (40 CFR Part 60) wood-burning appliance standard; an indoor wood pellet-burning appliance (includes stoves, furnaces and boilers that burn corn, grain or cherry pits); or a masonry heater. (*per equipment replaced)	\$750	\$380	*\$750
<b>Replace</b> 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 1. The capacity of the new boiler must be equal to or smaller than the capacity of the boiler being replaced.	\$750	N/A	\$750 (per building)
<b>Install</b> a minimum of 5 electronic thermostats for electric baseboard heaters. Electric baseboard heating must be the primary space heating system. (*for each set of 5 electronic thermostats)	\$80	N/A	*\$80
<b>Install</b> an ENERGY STAR qualified air-source heat pump for both heating and cooling that has a Seasonal Energy Efficiency Ratio (SEER) of 14.5 or higher and a minimum heating capacity of 12,000 Btu/hour. See "Important Information about Air-Source Heat Pumps and Central Air Conditioners." (*per equipment installed)	\$1,000	N/A	*\$1,000

	Single-Family Home		MURB (per building)
	For 1 <sup>st</sup> System	For 2 <sup>nd</sup> System	
<b>✓ Cooling System</b>			
<b>Replace</b> your central air-conditioning system with an ENERGY STAR® qualified system that has a SEER of 14.5 or higher (complete system replacement, including indoor coil and outdoor components). See "Important Information about Air-Source Heat Pumps and Central Air Conditioners."	\$500	N/A	\$500 (per building)
<b>Replace</b> your window air conditioner(s) with an ENERGY STAR® qualified unit(s). See "Important Information about Air-Source Heat Pumps and Central Air Conditioners."	\$50 (per unit replaced; maximum of 5 units)	N/A	\$50 (maximum of 2 units per dwelling unit)
<b>✓ Ventilation System</b>			
<b>Install</b> a ventilation system that is certified by the Home Ventilating Institute (HVI) as a heat – or energy-recovery ventilator. The HVI Product Directory is available at <a href="http://www.hvi.org">www.hvi.org</a> . (*per equipment installed)	\$750	N/A	*\$750
<b>✓ Domestic Hot Water System</b>			
<b>Install</b> a solar domestic hot water system with solar collectors that meets the CAN/CSA F378.87 standard and provides a minimum energy contribution of 6,000 megajoules per year. For a list of eligible solar collectors, visit <a href="http://www.ecoaction.gc.ca/heat">www.ecoaction.gc.ca/heat</a> .	\$2,500	N/A	Visit <a href="http://www.ecoaction.gc.ca/heat">www.ecoaction.gc.ca/heat</a> for more information
<b>Replace</b> your domestic hot water heater with an ENERGY STAR® qualified instantaneous, gas-fired water heater that has an Energy Factor (EF) of 0.82 or higher and is on the ecoENERGY Retrofit – Homes list of eligible domestic hot water heaters. (*per equipment replaced)	\$630	N/A	*\$630
<b>Replace</b> your domestic hot water heater with an ENERGY STAR® qualified instantaneous, condensing gas-fired water heater that has an EF of 0.90 or higher and is on the ecoENERGY Retrofit – Homes list of eligible domestic hot water heaters. (*per equipment replaced)	\$750	N/A	*\$750
<b>Replace</b> your domestic hot water heater with a condensing gas storage-type water heater that has a thermal efficiency of 94% or higher and is on the ecoENERGY Retrofit – Homes list of eligible domestic hot water heaters. (*per equipment replaced)	\$750	N/A	*\$750
<b>Install</b> a Drain-Water Heat Recovery (DWHR) system. Grants are based on the efficiency of the system, determined by an independent testing facility. For a list of eligible systems and their efficiency, go to <a href="http://www.ecoaction.gc.ca/homes">www.ecoaction.gc.ca/homes</a> and refer to "Questions and Answers." (*per equipment installed)			
• Efficiency between 30.0 and 41.9%	\$190	N/A	*\$190
• Efficiency of 42.0% or higher	\$330	N/A	*\$330

<b>✓ Building Envelope</b>			
<b>When adding insulation</b> to the building envelope, pay special attention to the type and the placement of vapour barriers per local building codes.			
For a multi-unit residential building, the grant for insulation is multiplied by the MURB MULTIPLIER shown at the end of this chart.			



## ✓ Ceiling Insulation

**A minimum of 20% of the total ceiling area must be insulated to qualify.** When the roof has more than one type (i.e attic, cathedral ceiling, flat roof), all applicable 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 \$1,500. 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
Your attic to achieve a total minimum insulation value of RSI 7 (R-40)	\$1,000	\$500	N/A
Your attic to achieve a total minimum insulation value of RSI 8.8 (R-50)	\$1,500	\$750	\$250
Your flat roof and/or cathedral ceiling to achieve a total minimum insulation value of RSI 5 (R-28)	\$1,500	\$500	N/A

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 \$1,000.

## ✓ Exterior Wall Insulation

Minimum Additional Insulation	% Area	R-3.8 to R-9	Greater than R-9
A minimum of 20% of the total exterior wall area must be insulated to qualify. The grant is based on the percentage of wall area that is insulated and does not include walls between individual dwelling units.	20%	\$450	\$750
	40%	\$900	\$1,500
	60%	\$1,350	\$2,250
	80%	\$1,800	\$3,000
See "Important Note about Semi-Detached and Row Houses."	100%	\$2,250	\$3,750

## ✓ 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 m<sup>2</sup> (150 ft<sup>2</sup>) must be insulated to qualify. **\$380**

## ✓ Foundation Insulation

When both a basement and crawl space are present, all applicable grants are pro-rated to a maximum of \$2,500 based on the total wall area that is insulated.

## ✓ Basement Insulation

Minimum Additional Insulation	% Area	R-10 to R-23	Greater than R-23
A minimum of 20% of the foundation's wall area (including basement and crawl space walls, when applicable) must be insulated to qualify. The grant is based on the percentage of wall area that is insulated and does not include walls between individual dwelling units.	20%	\$250	\$500
	40%	\$500	\$1,000
	60%	\$750	\$1,500
	80%	\$1,000	\$2,000
See "Important Note about Semi-Detached and Row Houses."	100%	\$1,250	\$2,500

## ✓ Basement Header Insulation

**Seal and insulate** your entire basement header area, increasing its insulation value by a minimum of RSI 3.5 (R-20). **\$250**

## ✓ Crawl Space Insulation

Minimum Additional Insulation	R-10 to R-23	Greater than R-23
<b>Insulate</b> 100% of the crawl space's total exterior wall area, including the header area. See "Important Note about Semi-Detached and Row Houses."	\$1,000	\$2,000
<b>Insulate</b> 100% of the floor above the crawl space to increase its insulation value by a minimum of RSI 4.2 (R-24).	N/A	\$500

## ✓ Air Sealing

Perform air sealing to improve the air-tightness of your home to achieve the air change rate indicated in your home energy efficiency evaluation report.	Single-Family Home	
	\$380	
<b>BONUS:</b> If you reach 10% or 20% better than the target included in your report, you can obtain an additional grant.	10%	\$240
	20%	\$480

## ✓ MURB Multiplier

MURB Multiplier (for insulation and air sealing grants)

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

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

## ✓ Doors/Windows/Skylights (heated space only)

Replace windows and skylights with models that are ENERGY STAR® qualified for your climate zone. (*per unit replaced)	Single-Family Home	MURB
	*\$80	*\$80

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 and glazing) or skylight. (Note that a bay window, which may be made up of several windows, is regarded as one RO.)

Replace your exterior door(s) with an ENERGY STAR® qualified model(s) for your climate zone. (*per unit replaced)	*\$80	*\$80

To be eligible for a grant, proof of ENERGY STAR® qualification of windows, doors and skylights is required, such as the presence of an ENERGY STAR® label on all of the replacement windows, doors or skylights indicating they are ENERGY STAR® qualified for the house's climate zone. If the labels are removed by the installer, you should request them as proof, or request a copy of an invoice indicating:

- the brand/product name
- the Natural Resources Canada (NRCAN) model reference number or the manufacturer's model code
- the climate zone for which the windows, doors or skylights are qualified

## ✓ Water Conservation

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 has a flush performance of 350 grams or more. (*per unit replaced)	*\$130 (maximum of 4 units per home)	*\$130 (maximum of 2 units per dwelling unit)

A product list is available on the Veritec Consulting Inc. Web site [www.veritec.ca](http://www.veritec.ca). Click "Reports" and select "ecoENERGY Eligible."

## Important Note About Semi-Detached And Row Houses

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

## Important Notes

1. When replacing ANY of the equipment listed in the grant chart, the new equipment must have an efficiency rating higher than that of the original equipment. The second system must be of the same type and efficiency.
2. New installations are not eligible in cases where improvements listed state "Replace". The Ontario Ministry of Energy and Infrastructure (MEI) and Natural Resources Canada (NRCAN) reserve the right to revise the information contained in this document, including the grant amounts and the eligibility requirements, without notice. The payment of grants is subject to the availability of funds. Please refer to [www.ontario.ca/HomeEnergy](http://www.ontario.ca/HomeEnergy) for the most up-to-date information.
3. NRCAN and MEI do not endorse the services of any contractor or any specific product and accepts no liability in the selection of materials, products, contractors or performance or workmanship.
4. 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.
5. Renovations that are part of an addition made to a property following the pre-retrofit evaluation are not eligible for a retrofit grant and may reduce the grant amount for the improvement done on the existing portion of the house. Consult your energy advisor.
6. For more information on ENERGY STAR® qualified products, visit [energystar.gc.ca](http://energystar.gc.ca). The ENERGY STAR® name and the ENERGY STAR® symbol are registered trademarks of the United States Environmental Protection Agency.
7. Important Information about Air-Source Heat Pumps and Central Air Conditioners
  - a. In the case of air-source heat pumps and central air conditioners, a manufacturer's new ENERGY STAR® qualified matched condenser coil (outdoor unit comprising a condenser coil, compressor and cooling fan) and indoor evaporator coil (typically located with the furnace) must have 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, just as components that are not certified by the manufacturer as being matched (i.e. tested together) will not be accepted. Currently, 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 labelling. However, this arrangement is not accepted under the ecoENERGY Retrofit – Homes program and the Ontario Home Energy Savings Program because NRCAN already provides separate grants for furnaces that have an energy-efficient brushless DC motor.
  - b. 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 Heating Seasonal Performance Factor (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.
  - c. Mini-split (ductless) air-source heat pumps must have at least one head per floor, excluding the basement, to qualify for a grant.
  - d. 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 and the grant amount will be reflected as such.
  - e. 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 (not the model name) of the condenser coil and the model numbers of both the new condenser and evaporator coils. Preferably, the Air-Conditioning and Refrigeration Institute (ARI) reference number should also be referenced on the invoice. The energy advisor will request to see this information when performing the post-retrofit evaluation of your home.
8. Insulation value in RSI equals the R insulation value divided by 5.678.
9. Please be aware of insulation materials that may be sold illegally, such as RetroFoam. RetroFoam is a urea formaldehyde-based thermal insulation (UFFI). The material is currently being investigated by Health Canada. MEI does not endorse any specific product and it is the homeowner's responsibility to ensure quality selection of materials, products, contractors or performance or workmanship.

# You're 3 steps away from lowering your energy bills and getting up to \$10,000 in government rebates.



## Step 1: Complete a home energy audit with an energy advisor in your area and save half on your home audit, up to \$150.

Finding a home energy advisor is easy. Just enter your postal code at [www.ontario.ca/homeenergy](http://www.ontario.ca/homeenergy) for a list of licensed home evaluation organizations in your area. Get quotes from available organizations and schedule your Home Energy Audit with an energy advisor that's right for you. In most cases you can schedule an appointment within a week or two. The Government of Ontario will pay half of your pre-retrofit audit, up to \$150.

During your Home Energy Audit, an energy advisor will find your home's energy leaks and show what you can do to plug them. Your energy advisor will provide you with your personalized Energy Efficiency Evaluation Report and a plan that can reduce your energy bills. Your report includes your home's EnerGuide rating. This shows how energy efficient your home is and how efficient it could be with energy-saving improvements.

## Step 2: Complete as many, or all of the recommended energy-saving upgrades.

Need a new furnace or water heater? Caulking around your windows and doors? Make some or all the upgrades suggested in your Energy Efficiency Report to improve your home's energy efficiency. Your report will show you the most important changes to maximize your energy savings.

## Step 3: Get up to \$10,000 in Ontario and federal rebates

After your first audit, you have 18 months to complete some or all of the improvements suggested by your energy advisor to qualify for government rebates. After completing the work, book your post-retrofit audit. Your energy advisor will perform your audit and provide you with your home's new EnerGuide rating that shows how much you have improved your home's energy efficiency. A good EnerGuide rating can also increase the value of your home.

After your post-retrofit audit, the Governments of Ontario and Canada will each rebate up to \$5,000 for your energy efficient upgrades. The more energy-saving upgrades you make, the more money you'll get back, up to a total of \$10,000.

To get started book an appointment with a NRCAN certified energy advisor, visit [www.ontario.ca/homeenergy](http://www.ontario.ca/homeenergy) or call 1-888-668-4636.

