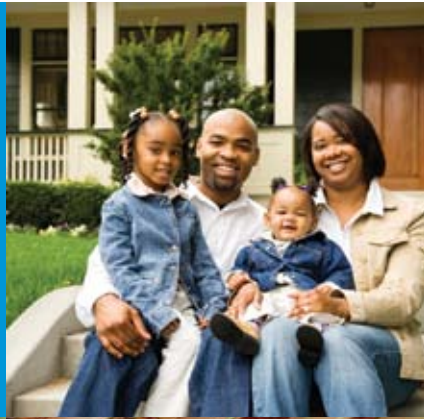


## Nova Scotia EnerGuide for Houses



## Thinking of ways to make your home more energy efficient?

Here's what you can do to reduce your energy consumption and receive rebates through the Nova Scotia EnerGuide for Houses program.

Conserve Nova Scotia is offering residential energy efficiency evaluations through licensed service organizations to owners of single-family homes, including detached and semi-detached homes. 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 this program, property owners can qualify for provincial rebates by improving the energy efficiency of their home and reducing their home's impact on the environment.

Energy advisors that are certified by Natural Resources Canada (NRCan) 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 and, in some cases, reduce water consumption.

On the following pages, you will find a list of improvements and retrofits that are eligible under the Nova Scotia EnerGuide for Houses program and the corresponding rebate amounts. There are larger rebates available for multi-unit buildings with maximums dependent on the size of building. The maximum provincial rebate is \$1,500 per home. Rebates are also available through the electricity efficiency programs currently being delivered by Nova Scotia Power to help people use less electricity in their home.

Rebates are calculated and based on the rebate amounts and eligibility requirements that are in effect at the time of the post-retrofit evaluation. You must complete your retrofits and receive your post-retrofit evaluation within 18 months from the date you receive your pre-retrofit evaluation report.



# Rebate Guide

conserve  
it starts with me

NOVA SCOTIA

EnerInfo: 1-800-670-4636

If you've had enough of the high energy bills in your drafty house, you can change the way you use energy by participating in the Nova Scotia EnerGuide for Houses program.

Through this provincial program, you can receive rebates of up to \$1,500 just for improving the energy performance of your home. Additional rebates are also available from Nova Scotia Power to help you use less electricity in your home. You can cut your energy costs by 30 percent on average. These savings are permanent.

You can be part of the solution to fight climate change through our program. On average, participants just like you, can reduce your greenhouse gas emissions by 4.6 tonnes per year – and that's just in your house alone. Imagine what your community can achieve.

With savings like that, you can't afford to pass on this opportunity. Invest in your home and enjoy the savings and comfort of an energy efficient home today.

### Sign Up Today!

Five groups currently offer the energy efficient housing evaluation program in Nova Scotia:

---

ACAP Cape Breton (Serving all of Cape Breton): 902-567-0367

---

AmeriSpec Home Inspection Service (Serving all of Nova Scotia): 1-877-734-4674

---

Clean Nova Scotia (Serving Mainland Nova Scotia): 1-800-665-5377

---

Ridge Energy, (Serving all of Nova Scotia): 1-877-505-6363

---

Sustainable Housing (Serving all of Nova Scotia): 1-877-722-2842

---

Trinity Inspection Services (Serving Northern Nova Scotia): 1-877-955-4333

The cost for the energy evaluation is \$450, but Conserve Nova Scotia pays two-thirds of that cost up front. Total cost to you is \$150 plus HST. (\*some auditors may charge more to recover additional travel and related expenses).

### Nova Scotia EnerGuide for Houses: Low-to-Modest Assistance Program

If you are a low-to-modest income Nova Scotian, the provincial government will rebate the \$150 plus HST cost of the energy evaluation to you. Once you've made your energy upgrades to your home, you may also qualify for an additional \$400 grant (provided you qualify for a provincial rebate of at least \$200). Homeowners with a net single income of \$25,000 or less or a net family income of \$40,000 or less qualify. This is an income-tested program for which participants must apply. Applications are available online at [www.conservens.ca/energguide](http://www.conservens.ca/energguide), by calling 1-800-670-4357, or at any Access Nova Scotia centre.

### Ready to Save?

Read on and discover the savings chart to find out what rebates you're eligible for - start saving today. Saving energy pays.

#### Important Information about Air-Source Heat Pumps and Central Air Conditioners

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/air handler) 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 rebate, 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 because NRCan already provides separate rebates for furnaces that have an energy-efficient brushless DC motor.

To be ENERGY STAR qualified in Canada, in addition to the minimum requirements 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.

**Mini-split (ductless) air-source heat pumps** must have at least one head per floor, excluding the basement, to qualify for a rebate.

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 rebate amount will be reflected as such.

**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.

## ELIGIBLE IMPROVEMENTS / RETROFITS

When replacing ANY of the equipment listed in this brochure, the new equipment must have an efficiency rating equal to or higher than that of the original equipment. The second system must be of the same type and efficiency.

HEATING SYSTEM	Nova Scotia Rebate Amounts	Electricity Efficiency Rebate Amounts*
<p><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.</p>	N/A	<p>\$2,500*</p> <p><small>*when replacing an existing electric heating system</small></p>
<p><b>Install</b> an Electric Thermal Storage (ETS) Room Unit system in an existing electrically heated home that has the ability to store heat during Nova Scotia Power Inc.'s off peak hours. The system must have appropriate timing and controls in place to operate with the NSPI's time-of-day power rates. Timing and control options include meter signals, programmable thermostats or time clocks. (*Up to a maximum of 4 room units per home will be rebated)</p>	N/A	<p>\$100**</p> <p><small>**maximum 4</small></p>
<p><b>Replace</b> an existing electric heating system with an electricity based Electric Thermal Storage (ETS) Forced Air Furnace system that has the ability to store heat during Nova Scotia Power Inc.'s off peak hours. The system must have appropriate timing and controls in place to operate with the NSPI's time-of-day power rates. Timing and control options include meter signals, programmable thermostats or time clocks.</p>	N/A	\$500
<p><b>Replace</b> an existing electric heating system with an electricity based Electric Thermal Storage (ETS) Central Hydronic system that has the ability to store heat during Nova Scotia Power Inc.'s off peak hours. The system must have appropriate timing and controls in place to operate with the NSPI's time-of-day power rates. Timing and control options include meter signals, programmable thermostats or time clocks.</p>	N/A	\$600
<p><b>Install</b> electronic thermostats for electric base-board heaters. Electric baseboard heating must be the primary space heating system.</p>	N/A	<p>\$15**</p> <p><small>**for each thermostat (Max 13)</small></p>
<p><b>Install</b> an ENERGY STAR qualified air-source heat pump <i>with</i> an electric resistance heater back-up 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. (*per equipment installed) See "Important Information about Air-Source Heat Pumps and Central Air Conditioners".</p>	N/A	<p>\$900*</p> <p><small>*when replacing the use of an existing electric heating system</small></p>
<p><b>Install</b> an ENERGY STAR qualified air-source heat pump <i>without</i> an electric resistance heater back-up 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. (*per equipment installed) See "Important Information about Air-Source Heat Pumps and Central Air Conditioners". Without an electric resistance back-up includes the following back-ups: Natural Gas, Oil, Electric Thermal Storage, Cold Weather Capable or Propane. (*Must replace an existing electric heating system)</p>	N/A	<p>\$1,200</p> <p><small>*when replacing the use of an existing electric heating system</small></p>
<p><b>Install</b> an ENERGY STAR Qualified "mini-split" or "ductless" air-to-air heat pump that has a seasonal efficiency ratio (SEER) of 14.5 or higher. System must offset the use of an electric backup system.</p>	N/A	\$750
<p><b>Install</b> an ENERGY STAR Qualified "mini-split" or "ductless" air-to-air heat pump that has a seasonal efficiency ratio (SEER) of 14.5 or higher with non electric backup (such as propane, oil, natural gas). (*Must replace an existing electric heating system)</p>	N/A	\$1000
<p><b>DOMESTIC HOT WATER SYSTEM</b></p> <p><b>Install</b> a solar domestic hot water system that includes solar collectors that meet the CAN/CSA F378.87 standard and provides a minimum energy contribution of 6 gigajoules per year (GJ/yr). For additional details regarding specific eligibility requirements, and for lists of eligible collectors and certified systems, visit the solar domestic hot water systems Web page:</p>	<p>N/A</p> <p><small>**Through a separate application process, a rebate is available on solar thermal panels.</small></p>	<p>\$1,250*</p> <p><small>*for electrically heated water</small></p>

N/A = Not Applicable

*NOTE: New installations are not eligible in cases where improvements listed state "Replace." Conserve Nova Scotia reserves the right to revise the rebate amounts. The payment of rebates is subject to the availability of funds. Conserve Nova Scotia does 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.*

*\* As the interim administrator of electricity efficiency programs, Nova Scotia Power is offering rebates to help people use less electricity in their home.*

**DOMESTIC HOT WATER SYSTEM (Continued)**

**Install** a drain-water heat recovery (DWHR) system. Rebates 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 [www.ecoaction.gc.ca/homes](http://www.ecoaction.gc.ca/homes) and refer to "Questions and Answers."  
 (\*per equipment installed)

- efficiency between 30.0 and 41.9 percent
- efficiency of 42.0 percent or higher

**Nova Scotia Rebate Amounts**

**Electricity Efficiency Rebate Amounts\***

\*for electrically heated water

\$75  
\$130

\$75\*  
\$130\*

**Install** electric water heater pipe wrap with a thermal resistance of R3 or higher. Must be used with an electric water heating tank. The foam pipe wrap must cover a minimum of 6 feet of exposed hot water pipes exiting the water heater, and a minimum of 3 feet of exposed cold water pipes entering the water heater. (1 rebate per home)

N/A

\$10

**Install** an aluminum foil or fiberglass insulating jacket on an electric water heater. (1 rebate per home)

N/A

\$25

**Install** an indirect hot water heater with a low mass boiler (oil or gas) (\*per equipment installed)

\*\$250

N/A

**BUILDING ENVELOPE**

**When adding insulation** to the building envelope, pay special attention to the type and the placement of vapour barriers per local building codes.

**CEILING INSULATION**

**A minimum of 20 percent 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 rebates are pro-rated based on the ceiling area that is insulated. The maximum rebate for any combination of attic, cathedral ceiling and flat roof is \$600 from Conserve Nova Scotia. Rebates listed reflect 100 percent of the ceiling area being of one roof type.

Increase the insulation value of:	STARTING POINT		
	R-12 and less	Greater than R-12 and up to R-25	Greater than R-25 and up to R-35
• your attic to achieve a total minimum insulation value of RSI 7 (R-40)	\$400	\$200	N/A
• your attic to achieve a total minimum insulation value of RSI 8.8 (R-50)	\$600	\$300	\$100
• your flat roof and/or cathedral ceiling to achieve a total minimum insulation value of RSI 5 (R-28)	\$600	\$200	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 rebate of \$400 from Conserve Nova Scotia.

*NOTE: New installations are not eligible in cases where improvements listed state "Replace." Conserve Nova Scotia reserves the right to revise the rebate amounts. The payment of rebates is subject to the availability of funds. Conserve Nova Scotia does 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.*

**EXTERIOR WALL INSULATION**

**MINIMUM ADDITIONAL INSULATION**

A minimum of 20 percent of the total exterior wall area must be insulated to qualify. The rebate is based on the percentage of wall area that is insulated and does not include walls between individual dwelling units. See "Important Note about Semi-Detached and Row Houses".

Percent area	R-3.8 to R-9	Greater than R-9
20%	\$180	\$300
40%	\$360	\$600
60%	\$540	\$900
80%	\$720	\$1,200
100%	\$900	\$1,500

**EXPOSED FLOOR INSULATION**

**(overhangs and floors above an unheated space, excluding crawl spaces)**

\$150

**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 square metres (150 square feet) must be insulated to qualify.

**FOUNDATION INSULATION**

When both a basement and crawl space are present, all applicable rebates are pro-rated, to a maximum of \$1,000 from Conserve Nova Scotia, based on the total wall area that is insulated.

**BASEMENT INSULATION**

**MINIMUM ADDITIONAL 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. The rebate is based on the percentage of wall area that is insulated and does not include walls between individual dwelling units. See "Important Note about Semi-Detached and Row Houses".

Percent area	R-10 to R-23	Greater than R-23
20%	\$100	\$200
40%	\$200	\$400
60%	\$300	\$600
80%	\$400	\$800
100%	\$500	\$1,000

**BASEMENT HEADER INSULATION**

**MINIMUM ADDITIONAL INSULATION  
R-20**

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

\$100

**CRAWL SPACE INSULATION**

**MINIMUM ADDITIONAL INSULATION**

**Insulate** 100 percent of the crawl space's total exterior wall area, including the header area. See "Important Note about Semi-Detached and Row Houses".

**R-10 to R-23**

**Greater than R-23**

**Or**

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

N/A

\$200

*NOTE: New installations are not eligible in cases where improvements listed state "Replace." Conserve Nova Scotia reserves the right to revise the rebate amounts. The payment of rebates is subject to the availability of funds. Conserve Nova Scotia does 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.*

**IMPORTANT NOTE ABOUT SEMI-DETACHED AND ROW HOUSES**

In the case of a semi-detached or row house that is an end unit, the rebate 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 rebate amount is 50 percent of the amounts shown.

**AIR SEALING**

**Perform** air sealing to improve the air tightness of your home to achieve the air change rate indicated in your ecoENERGY Retrofit report. \$150

BONUS: If you reach 10 or 20 percent better than the target included in your report, you can obtain an additional rebate. 10% \$75  
20% \$150

**DOORS/WINDOWS/SKYLIGHTS (heated space only)**

**Provincial Rebate**

**Replace** windows and skylights with models that are ENERGY STAR qualified for your climate zone. (\*per unit replaced) \*\$30

Rebates 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 you climate zone. (\*per unit replaced) \*\$30

To be eligible for a rebate, 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 NRCan model reference number or the manufacturer’s model code
- the climate zone for which the windows, doors or skylights are qualified

**WATER CONSERVATION**

**Provincial Rebate**

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) \*\$50  
(maximum of 4 units per home)

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

*NOTE: New installations are not eligible in cases where improvements listed state “Replace.” Natural Resources Canada (NRCan) and Conserve Nova Scotia reserve the right to revise the rebate amounts. The payment of rebates is subject to the availability of funds. NRCan and Conserve Nova Scotia 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.*

### IMPORTANT NOTES

1. Natural Resources Canada and Conserve Nova Scotia reserve the right to revise the information contained in this document, including the rebate amounts and the eligibility requirements, without notice. The payment of rebates is also subject to the availability of funds. Refer to the Web site indicated below for the most up-to-date information, or contact your local licensed service organization.
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. Read carefully the recommendations found in your Nova Scotia EnerGuide for Houses report for more information.
4. Renovations that are part of an addition made to a property following the pre-retrofit evaluation are not eligible for a retrofit rebate and may reduce the rebate amount for the improvement done on the existing portion of the house. Consult your energy advisor.
5. Insulation value in RSI equals the R insulation value divided by 5.678
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 and are used with permission.

[www.conservens.ca/energiguide](http://www.conservens.ca/energiguide)  
[www.nspower.ca/efficiencyprograms](http://www.nspower.ca/efficiencyprograms)

**EnerInfo: 1-800-670-4636**

May 2010