

NB Power's  
**HOME INSULATION**

Energy Savings Program



Everything stays warm when it's  
**Bundled Up**

Why pay for **electricity**  
you don't need?



**Énergie NB Power**

**smart habits**

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# Program Guidelines

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## 1. PROGRAM INTRODUCTION

NB Power's Home Insulation Energy Savings Program (herein referred to as "the Program") was created to provide information and incentives to homeowners to help reduce their energy consumption through targeted air sealing and insulation upgrades in electrically heated homes.

NB Power reserves the right to create an expiry date or to modify or cancel program entry should funding change or cease to be available.

## 2. PROGRAM OVERVIEW

The Program provides financial incentives to homeowners of electrically heated homes who make eligible energy efficiency upgrades to their homes as described in this guideline document.

### Program Steps

Step 1 Register	Complete the online registration form at <a href="http://www.nbpower.com">www.nbpower.com</a> . Please provide as much information as possible to ensure a timely processing of your request.  Homeowners who do not have internet access can receive assistance with the form by calling: 1 800 663-6272 and choosing 5 for Energy Efficiency Services after selecting language preference.
Step 2 Pre-Upgrade Evaluation	Once your information has been reviewed and your eligibility to participate in the program has been confirmed, you will be contacted to schedule a date for your Pre-Upgrade Evaluation. During this evaluation, information about your home will be collected to determine which upgrades are eligible for incentives. The fee for the evaluation is \$210 +HST.
Step 3 Pre-Approval	After your home evaluation, you will be sent a list of recommended upgrades. You will have 30 days to review this list, identify the upgrades you intend to complete, and submit to NB Power for review. Only homeowners who submit their pre-approval forms within the 30 day deadline are guaranteed eligibility.
Step 4 Complete Upgrades	Once your pre-approval form has been reviewed, you will have <b>9 months to complete your upgrades</b> . Only upgrades identified on the pre-approval form will qualify for financial incentives.
Step 5 Post-Upgrade Evaluation	Once your upgrades are complete – or before your 9 month deadline, whichever comes first - call NB Power to book your Post-Upgrade Evaluation. The Post-Upgrade Evaluation will confirm upgrades completed. Information collected during this visit will be entered into your program application and submitted to NB Power on your behalf.

**Please note:** in order to determine the proper R-value of insulation installed, the type and quantity of insulation will need to be determined.

Homeowners MUST provide copies of receipts showing the following information:

- Manufacturer
- Product Type
- Product Name

**Example:**

Manufacturer:	OwensCorning
Type:	Blown-in cellulose
Name:	AtticCat

## 3. ELIGIBILITY

### Eligible Homes

New Brunswick homes that are eligible to participate in the Program include:

- Residential property as defined under Part 9 of the National Building Code of Canada (NBCC). Such properties would be no more than three (3) storeys high, having a footprint of not more than 600 m<sup>2</sup> (6458 ft<sup>2</sup>);
- Manufactured or Mobile dwellings on a permanent foundation (as defined under Part 9 of the National Building Code of Canada, 2010);
- Buildings that are habitable, structurally sound and capable of receiving a home evaluation, as determined by an Energy Advisor;
- Buildings that previously participated in any of Efficiency NB's programs and are still in need of major insulation upgrades.
- Homes must have electric heating equipment of one or more of the following types:
  - Electric baseboards in at least half of the rooms;
  - Heat pump(s) (air-source, ground source, water source, geo-exchange);
  - Electric boiler;
  - Electric forced air furnace;

Please note: Homes having up to 2-units, such as granny suites or homes with an adjacent rental unit, may be eligible to participate in the program.

### Ineligible Buildings

Buildings that are NOT eligible to participate in the Program include:

- Homes that do not contain installed electric heating equipment (note that plugin electric heaters or fireplaces, do not qualify as installed electric heating equipment).
- Cottages and camps;
- Recreational properties that are not lived in year-round;
- Multi-unit or apartment buildings with 3 or more units;
- Commercial buildings;
- Buildings that are NOT habitable, structurally sound OR are NOT capable of receiving a home evaluation, as determined by an Energy Advisor (ie: fire damage, uninhabitable, major renovation construction in process, etc.)

### Eligible Upgrades

The following upgrades are eligible for financial incentives provided they meet the requirements defined below.

#### Insulation Upgrades

Upgrade Area	Maximum Pre-upgrade	Maximum Post-Upgrade	Minimum to add
Attic	R-40	R-60	R-20
Sloped Ceiling	R-20	R-30	R-10
Main Walls	R-20	R-30	R-10
Basement Walls	R-20	R-30	R-10
Header	R-20	R-40	R-20
Exposed floors	R-20	R-30	R-10

**Note:** Certain areas of the home may not be eligible for insulation incentives due to structural limitations or safety concerns; ie. Structural brick walls, stone wall/cement block foundations, crawl spaces, mobile home skirting. If you have concerns about these areas please speak to your energy advisor at the time of booking the pre-evaluation.

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### Air Sealing Upgrades

Air leakage values will be determined using a Blower Door Test. Homes with greater than 3 Air Changes per Hour (ACH) must achieve a minimum 10% reduction to be eligible for an incentive.

### Heat Recovery Ventilation (HRV)

To trigger the HRV bonus, at least one qualifying major insulation or air sealing upgrade must be performed (ie. attic, main walls, or basement walls insulation, or reducing the air changes per hour in the home to less than 5). HRVs must be ENERGY STAR® certified. Homes with an existing HRV or Air Exchange System will not be eligible for the HRV incentive.

## 4. HOME EVALUATION

In order to participate in the Program, all homes must undergo both a Pre- and Post-Upgrade Evaluation.

The Pre-Upgrade Evaluation will consist of an onsite evaluation of the home performed by a Certified Energy Advisor (EA). The evaluation should take 1-2 hours, which will vary depending on the size and complexity of the home. The EA will require access to all areas of the home. This includes, but is not limited to, the basement, attic, mechanical room, and all habitable spaces. The home evaluation will not include attached garages or unheated spaces such as enclosed porches or mudrooms.

A summary report containing a list of pre-approved upgrades will be issued within 6-8 weeks. The Home Owner Report is submitted in the language of choice on file at the time of registration .

**Note: Only items identified in the Pre-Approval Report will be eligible for incentives.**

During the Post-Upgrade Evaluation, the EA will revisit your home to determine what improvements have been made. The EA will confirm that upgrades you completed meet the minimum requirements specified in your report. Homeowners MUST provide copies of receipts showing the following information:

- Manufacturer
- Product Type
- Product Name

The EA will then submit a summary report to NB Power and a cheque will be issued to you for incentives associated with any eligible work you completed. Homeowners can expect payment of incentives within 6-8 weeks of the post evaluation. Financial incentives may be reduced at the time of payment to recover any arrears owing on NB Power Accounts.

### Home Evaluation Fee

The cost of the Pre-Upgrade Evaluation is \$210+HST payable at the time of the Pre-Upgrade Evaluation. NB Power will pay for the Post-Upgrade Evaluation.

*\*Customers requesting a second report in the language not initially requested (French or English) will be charged a fee of \$50 + HST.*

## 5. FINANCIAL INCENTIVES

The financial incentives specified below are intended to help offset the cost of both materials and labour when performing upgrades.

# 5. FINANCIAL INCENTIVES

There are two incentive levels:

- 1) Contractor Installed Upgrades - for homeowners who hire contractors to install the upgrades on their behalf,
- 2) Do-it-yourself - for homeowners who choose to perform their own upgrades and do not hire a contractor.

To receive the Contractor incentive amount, homeowners must provide a receipt for installation services. The receipt must identify the services provided and clearly indicate the work performed (e.g. "Installation of basement insulation").

## INSULATION

R-values specified in the following tables are nominal (applying only to the insulation and not to complete wall assemblies) and will be determined using on site measurements.

Incentives will be calculated based on the square footage of the surface area to which insulation was added. All measurements will be based on interior dimensions.

Incentive ranges have been minimized to save space. Homeowners will still receive the incremental incentive for insulation amounts for adding insulation levels that occur between the amounts showing.

Area	R-value added	Contractor Installed \$/ft <sup>2</sup>		Do-it-yourself \$/ft <sup>2</sup>	
Attic	R-20	\$0.30		\$0.15	
	R-21	\$0.31		\$0.155	
	R-22	\$0.32		\$0.16	
	R-23	\$0.33		\$0.165	
	R-24	\$0.34		\$0.17	
	R-25	\$0.35		\$0.175	
	R-26	\$0.36		\$0.18	
	R-27	\$0.37		\$0.185	
	R-28	\$0.38		\$0.19	
	R-29	\$0.39		\$0.195	
	R-30	\$0.40		\$0.20	
	Sloped Ceiling	R-40	\$0.50		\$0.25
R-50		\$0.60		\$0.30	
R-60		\$0.70		\$0.35	
R-10		\$1.00		\$0.50	
Main Walls	R-15	\$1.50		\$0.75	
	R-30	\$3.00		\$1.50	
	R-value	Foam	Batt	Foam	Batt
Basement/Crawlspace	R-10	\$1.00	\$0.50	\$0.50	\$0.25
	R-11	\$1.10	\$0.55	\$0.55	\$0.275
	R-12	\$1.20	\$0.60	\$0.60	\$0.30
	R-13	\$1.30	\$0.65	\$0.65	\$0.325
	R-14	\$1.40	\$0.70	\$0.70	\$0.35
	R-15	\$1.50	\$0.75	\$0.75	\$0.375
	R-16	\$1.60	\$0.80	\$0.80	\$0.40
	R-17	\$1.70	\$0.85	\$0.85	\$0.425
	R-18	\$1.80	\$0.90	\$0.90	\$0.45
	R-19	\$1.90	\$0.95	\$0.95	\$0.475
	R-20	\$2.00	\$1.00	\$1.00	\$0.50
Basement Floor Header	R-30	\$3.00	\$1.50	\$1.50	\$0.75
	R-40	\$4.00	\$2.00	\$2.00	\$1.00
	R-20	\$2.00	\$1.00	\$1.00	\$0.50
Exposed Floors	R-30	\$3.00	\$1.50	\$1.50	\$0.75
	R-40	\$4.00	\$2.00	\$2.00	\$1.00

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## AIR SEALING

Incentives will be issued on a sliding scale between 10 and 25% for actual air leakage reduction achieved.

Air leakage Reduction	Contractor installed	DIY
10%	\$200	\$100
15%	\$300	\$150
20%	\$400	\$200
25%	\$500	\$250

## HEAT RECOVERY VENTILATION

A \$500 HRV bonus will be awarded to eligible homes that install an ENERGY STAR certified HRV.

Homeowners who install an HRV using a do-it-yourself kit will receive \$250.

# 6. DIRECT INSTALL COMPONENT

Participants in the Home Insulation Energy Savings Program will be given the option to have free energy-saving products installed at the time of their pre-upgrade evaluation. Participants are encouraged to take advantage of the free products to achieve additional energy savings, but are not required to accept them.

## ELIGIBILITY

To receive the energy saving products, homeowners must agree to the removal and disposal of existing light bulbs, shower heads and/or faucet aerators from their home by the Energy Advisor. Products will be installed by the Energy Advisor at the time of the Pre-Upgrade Evaluation; product will not be left with the homeowner for self-installation. Access to these energy saving products is subject to product availability

## MEASURES

The following upgrades will be offered to program participants. Participants are not required to accept all of the products to participate, however a minimum of 2 upgrades must be performed.

Upgrade	Product	Specifications	Item to be replaced	Max
Lighting	LED Bulb	Min 5 bulbs*; ENERGY STAR certified, 25,000 hrs	min 60 watt incandescent/ halogen	20
Water Heating	Water-efficient Showerhead	Max 1.5 gpm	Standard showerhead (2.2 gpm+)	2
	Pipe wrap	Min 6 ft on hot water side	To be installed on uninsulated water pipe	16 ft

\*A minimum of 5 LED Bulbs must be installed to count as an upgrade.

## LIABILITY

By agreeing to accept free products and free installation, the homeowner assumes responsibility for any cost associated with replacement of unsatisfactory items.