



Home Energy Plan

Program Guide



Energy
Efficiency
Alberta

ENERGUIDE

Getting Started

Homeowners of eligible single-family homes are invited to participate in Energy Efficiency Alberta's Home Energy Plan. The first step is getting a pre-upgrade EnerGuide Home Energy Evaluation completed by an Energy Advisor who is participating in the program. Rebates will be available for work completed after October 16, 2018. To be eligible, your pre-upgrade Home Energy Evaluation must take place before the upgrade begins, including any demolition.

Energy Efficiency Alberta is providing a \$300 rebate that will be directly applied to the Energy Advisor's invoice. Find a participating Energy Advisor at efficiencyalberta.ca/homeenergyplan

Note: EnerGuide evaluations must be Version 15. GST will be charged on the full price of the evaluation before the \$300 rebate is applied. All participants must satisfy the general eligibility criteria set forth in the program Terms and Conditions available at efficiencyalberta.ca/homeenergyplan



Home Energy Plan Program Overview

	COMMON UPGRADES	CUSTOM UPGRADES
Incentive rate	\$62.50/GJ	\$62.50/GJ
Requires an EnerGuide Home Energy Evaluation prior to making upgrades	Yes	Yes
Requires an EnerGuide Home Energy Evaluation after making upgrades	No	Yes
Eligible upgrades	Limited to 6 types of upgrades*	Wide range of upgrades available
Bonus incentive for making three or more upgrades	Yes	Yes
Party responsible for submitting the rebate application	Contractor	Homeowner
Allows for do-it-yourself projects	No	Yes
Must use a contractor registered under the Home Energy Plan program	Yes	No

* Eligibility requirements apply. Please refer to this guide for list of eligible upgrades.

Bonus Rebate

To support those making significant energy improvements to their home, an additional \$1,000 bonus is available to homeowners who complete three or more of the following measures within 18 months of the pre-upgrade Home Energy Evaluation. The bonus rebate applies to both the common and custom upgrades of the Home Energy Plan program that result in a minimum of 3GJ of energy savings each.

No additional application will be required to receive the bonus—it will be generated automatically once the criteria is met through the submission of three eligible upgrades. All upgrades listed below are eligible if they result in a minimum of 3GJ of energy savings.

- Air Sealing
- Attic Insulation
- Basement Wall Insulation
- Exposed Floor Insulation
- Main Wall Insulation
- Heating System
- Water Heating System
- Windows
- Drain Water Heat Recovery

Common Upgrades

The home upgrades below are those most commonly recommended during an EnerGuide Home Energy Evaluation. **Accessing rebates for these improvements are fast and easy—your contractor will apply on your behalf as soon as the upgrade is complete.** Talk to your Energy Advisor about which of the following home improvements will benefit you most.

ELIGIBLE IMPROVEMENT LIST AND REQUIREMENTS

CATEGORY	SPECIFIC CRITERIA	PROGRAM REQUIREMENT
Windows	ENERGY STAR® Triple pane, low-E, Argon gas	Installed by a participating contractor
Insulation	Attic, main walls, exposed floors, basement/pony walls	Installed by a participating contractor
Drain Water Heat Recovery	CSA B55.1 and CSA B55.2 and listed in Natural Resources Canada's Hot 2000 energy modeling software	Installed by a participating contractor
Home Heating	ENERGY STAR® Natural Gas forced air furnace – greater than 95% AFUE ENERGY STAR® Natural Gas Boiler – greater than 90% AFUE	Installed by a participating contractor
Water Heating	ENERGY STAR® Tankless water heater	Installed by a participating contractor
Heat Recovery Ventilator	HVI Certified Heat Recovery Ventilator or Energy Recovery Ventilator	Installed by a participating contractor in a home with an air change per hour less than 3.57 (ACH@50pa) through the pre-upgrade Home Energy Evaluation

Rebate Estimates for Common Upgrades

Rebates are based on how much energy the above improvements save based on the starting and ending condition of the area of your home being upgraded. **The more energy you save, the higher the rebate.** The following examples provide minimum estimates of rebate amounts. Once you complete the pre-upgrade Home Energy Evaluation, you will receive rebate estimates specific to your home.

INSULATION REBATES

TYPE	STARTING POINT	ENDING POINT	ESTIMATED REBATE PER 100 SQ. FT.
Attic	R-12	R-60	\$64
Main Walls	R-12	R-20	\$48
Basement Walls	R-2	R-20	\$53
Exposed Floor	R-10	R-28	\$31
Basement Headers/Joists	R-2	R-28	\$131

WINDOW REBATES

EXISTING WINDOW SIZE	FRAME TYPE	WINDOW PANES	ESTIMATED REBATE
Small (24" x 24")	Metal	Single	\$49
		Double	\$32
	Wood/Vinyl	Single	\$21
		Double	\$8
Medium (36" x 36")	Metal	Single	\$103
		Double	\$56
	Wood/Vinyl	Single	\$57
		Double	\$16
Large (72" x 72")	Metal	Single	\$376
		Double	\$149
	Wood/Vinyl	Single	\$279
		Double	\$70

DRAIN WATER HEAT RECOVERY

SYSTEM SIZE	ONE CONNECTED SHOWER (LOW FLOW)	TWO CONNECTED SHOWERS (LOW FLOW)
Small (up to 40")	\$108	\$216
Medium (42" – 60")	\$107	\$214
Large (62" and up)	\$160	\$320

TANKLESS WATER HEATERS

EXISTING TANK TYPE	ESTIMATED REBATE FOR UPGRADING TO 0.87 EF
Conventional	\$615
Conventional with Standing Pilot	\$989
Induced Draft Fan	\$529
Induced Draft Fan with Standing Pilot	\$907
Direct Vent (sealed)	\$503

HEAT RECOVERY VENTILATOR
 \$350 rebate for homes with less than 3.57 air changes per hour (ACH@50pa).

FURNACE UPGRADE REBATES

FURNACE EFFICIENCY	REBATE LEVEL
95% or higher efficient	Minimum rebate: \$500

Custom Upgrades

Every home is different and may require custom upgrades to become more energy efficient. The following are examples of eligible home improvements that may help you save energy and can be further discussed with your Energy Advisor to determine suitability for your home. **All Custom Upgrades* require a post-upgrade Home Energy Evaluation once ALL desired improvements are complete.**

CUSTOM UPGRADE ELIGIBLE IMPROVEMENT EXAMPLES

UPGRADE CATEGORY	ELIGIBLE IMPROVEMENT EXAMPLES
Home Heating: The baseline for calculating home heating system rebates will be 95% AFUE if replacing a furnace and 90% AFUE if replacing a boiler.	Combination Boiler
	Ground Source Heat Pump
	Air Source Heat Pump
Water Heating: All water heating systems must have 0.8 EF or greater	Combination Boiler
	Condensing Gas Storage Water Heater
	Solar Water Heating Systems
	Heat Pump Water Heater
Thermal Envelope	Slab Insulation
	Doors and Skylights
	Window Glazing/Inserts
	Awnings/Overhangs
	Air Sealing (permanent)

While we have attempted to capture most Custom Upgrades in the list above, most projects with verifiable energy savings that can be supported with proof of work and modeled by an Energy Advisor through the post-upgrade Home Energy Evaluation, will be rebated. On-site generation will not be rebated as it is not considered a reduction in energy consumption. Energy savings from lighting or appliance upgrades are also not eligible for rebate through this program.

** Custom Upgrades refers to retrofit measures which can be modelled by an Energy Advisor as part of a post-upgrade Home Energy Evaluation and are completed by a contractor of the homeowner's choice or by the homeowner themselves. A post-upgrade Home Energy Evaluation, at the expense of the homeowner, is required after Custom Upgrades are completed to calculate energy savings from upgrade and receive a rebate..*

Rebate Calculation for Custom Upgrades

Rebates are based on how much energy you save by completing upgrades at a rate of \$62.50/GJ saved. Once you complete the pre-upgrade Home Energy Evaluation you will receive a home energy rating in GJ. Once you complete your Custom Upgrades and have the required post-upgrade Home Energy Evaluation, you will receive an updated energy rating. The difference in the energy consumption (less the considerations below) between the two energy evaluations represents the energy savings of the completed upgrades.

Determining the eligible energy savings through Custom Upgrades would include the following considerations:

- If any of the common upgrades were completed by a participating contractor and a rebate was already received separately, those rebate amounts will be deducted.
- Credit will not be provided for energy generation through renewables. Please visit efficiencyalberta.ca/solar for more information on solar rebates.
- The baseline energy use for home heating if a furnace is being replaced is 95% AFUE and 90% AFUE if a boiler is being replaced. This baseline will be used to calculate the energy savings improvement you have achieved in the home heating category.

EXAMPLE SCENARIO

The Smiths had a pre-upgrade Home Energy Evaluation which gave them an EnerGuide rating of 153GJ. They then decided to complete the following upgrades to improve their home's energy efficiency:

- Attic insulation upgrade completed and rebate application submitted by the Smith's Participating Contractor. This upgrade saved 8GJ resulting in a \$500 rebate cheque delivered eight weeks after insulation was installed.
- Replaced their boiler with a combination boiler to provide water heating and space heating.
- Sealed up all the air leaks the Energy Advisor pointed out during the evaluation (the Smiths did this work themselves).

Do-It-Yourself (DIY) Projects

Do-It-Yourself projects are considered a Custom Upgrade. A post-upgrade Home Energy Evaluation will be required at the cost of the homeowner to confirm energy savings and determine the rebate.

The Smiths then called their Energy Advisor back to complete the post-upgrade Home Energy Evaluation. After the upgrades, their EnerGuide rating was now 112GJ – a savings of 41GJ!

These upgrades and the post-upgrade Home Energy Evaluation will result in the following rebates:

- \$300 off the first pre-upgrade Home Energy Evaluation (applied directly to invoice)
- \$500 for the attic insulation upgrade (classified as a Common Upgrade)
- \$1,000 if three measures installed, resulting in a minimum of 3GJ of energy savings per measure added.
- For the Custom Upgrade (air sealing and combination boiler) they received:
 - 41GJ of savings less 8GJ already paid for their attic and less 11GJ for the heating system baseline reduction = 22GJ
 - 22GJ x \$62.50/GJ = \$1,375.50

Total Rebate for the Smiths:

$\$500 + \$1,000 + \$1,375.50 = \$2,875$

Note: The scenario above is an example only. The savings amounts used are not necessarily reflective of what the following upgrades may achieve.



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