



Central Saanich

Climate Friendly Homes and Rebates

RETROFITTING YOUR HOME
FOR COMFORT, ENERGY & BILL SAVINGS, AND A SMALLER ENVIRONMENTAL FOOTPRINT

September 21, 2019 2:00pm – 3:30pm



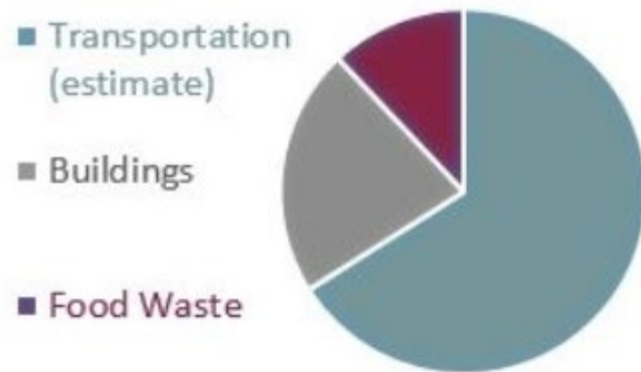
CityGreen
S o l u t i o n s

Agenda

- ❖ CLIMATE CHANGE AND YOUR HOME
- ❖ HOW TO MAKE YOUR HOME ENERGY EFFICIENT
- ❖ ENERGY UPGRADE REBATES
- ❖ CLEANBC ENERGY COACH SERVICE – SUPPORT AND RESOURCES



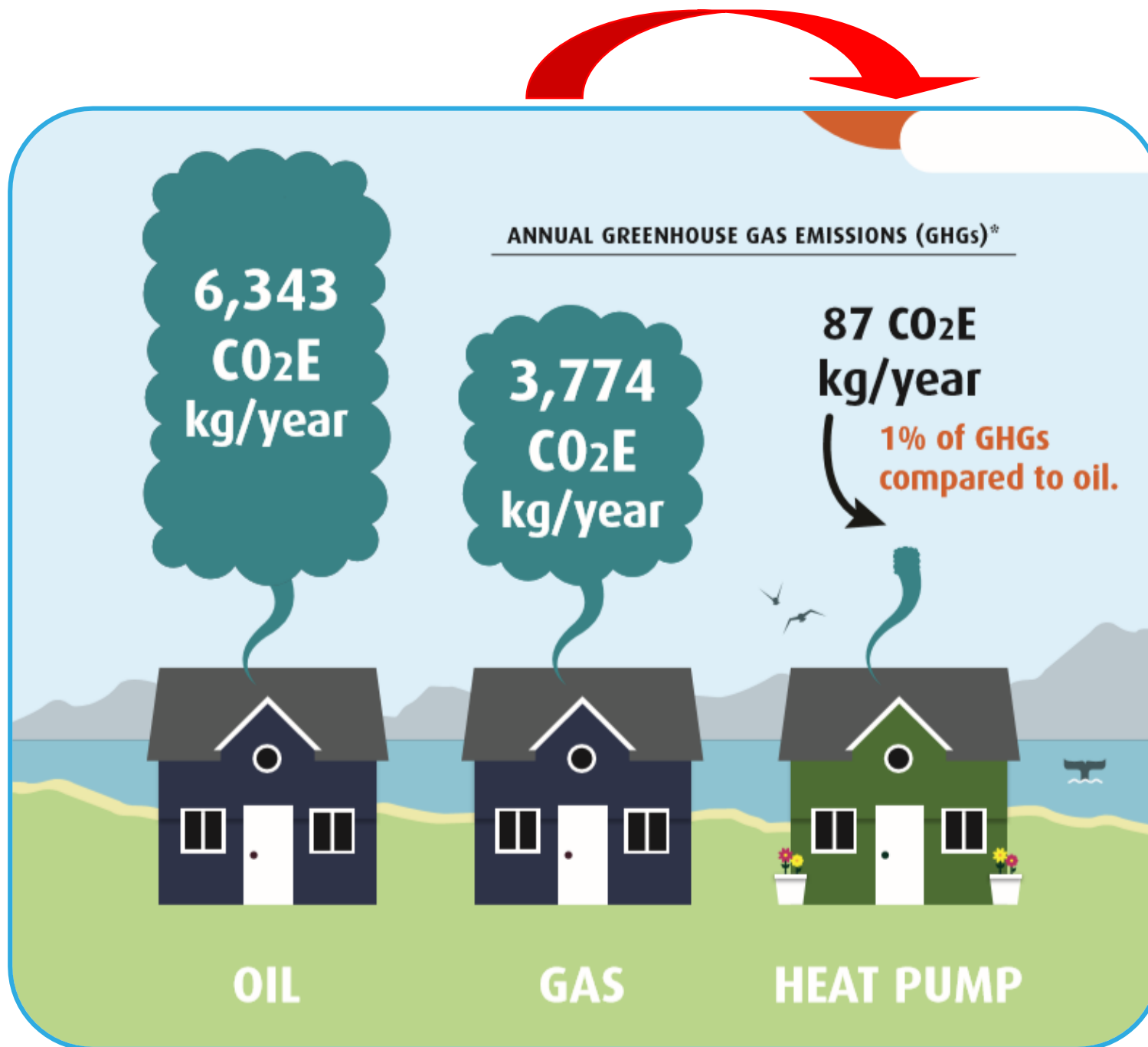
CENTRAL SAANICH'S THREE LARGEST SOURCES OF GHG EMISSIONS



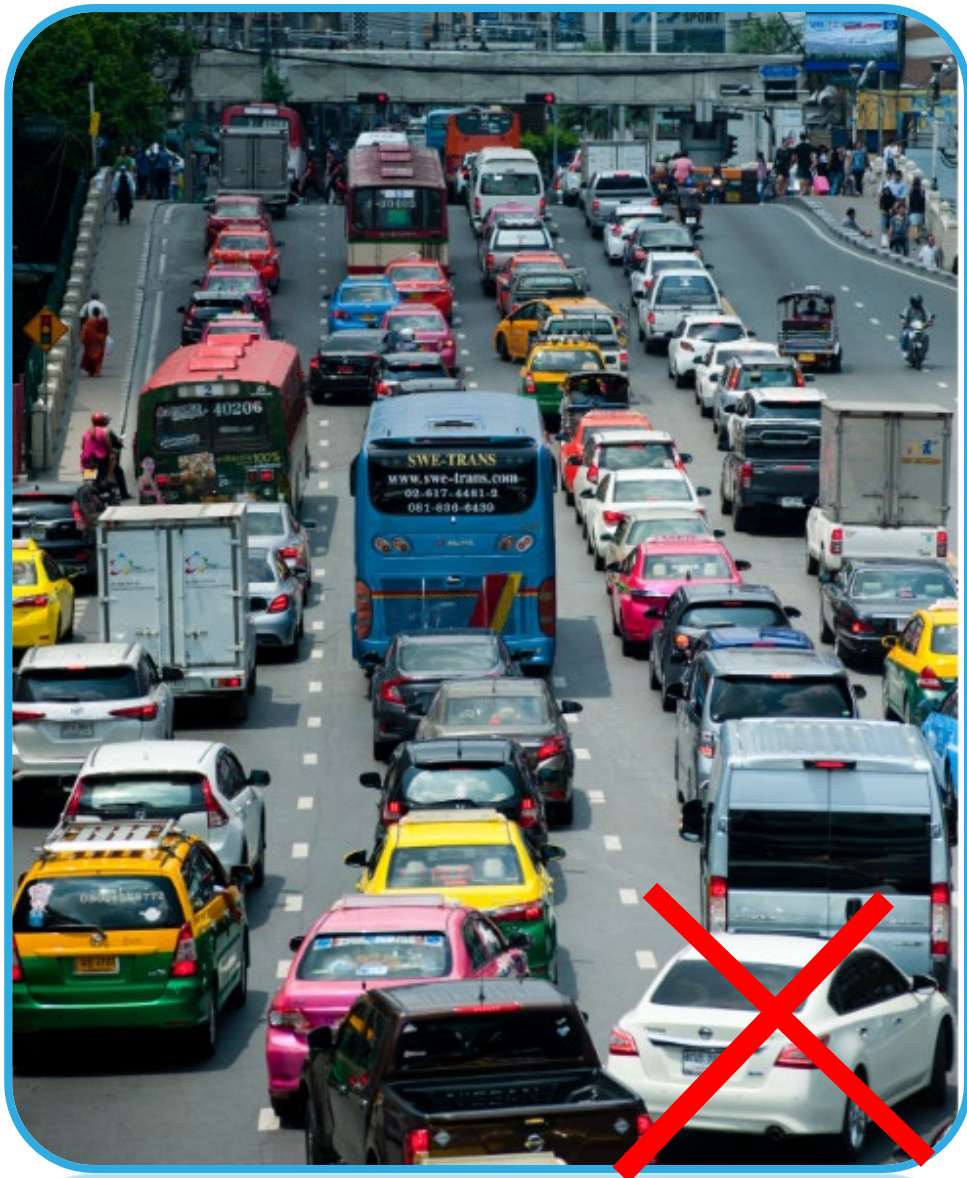
- ✓ **100% RENEWABLE ENERGY COMMUNITY BY 2050**
- ✓ **80% GREENHOUSE GAS EMISSION REDUCTIONS BY 2050**
- ✓ **PREPARE AND ADAPT FOR CLIMATE CHANGE**



**“Energy efficiency isn’t
just about saving money”**



“You can help fight climate change by living in a healthier and more comfortable home!”



THAT'S 1 CAR
YOU JUST TOOK
OFF THE ROAD!

OFF THE ROAD!



Many common household problems are **energy efficiency** issues

(or have energy efficiency solutions)



**Our house is
too hot in summer**

Can't sleep. TOO HOT



**Our house
is too cold,
too drafty,
not comfortable**

Why do we live in this country



No escape from outside noise

I'm going to lose my mind...



**Our basement is
musty, dank, stinky...**

Don't go down there



**We have condensation &
mould on our windows**

If I have to wipe the condensation off my window sill one more time...



Our energy bills are too high

Dang...



**We want our home to
be a better home**

(part of the solution, not the problem)



Where to start?

How bad is my home?

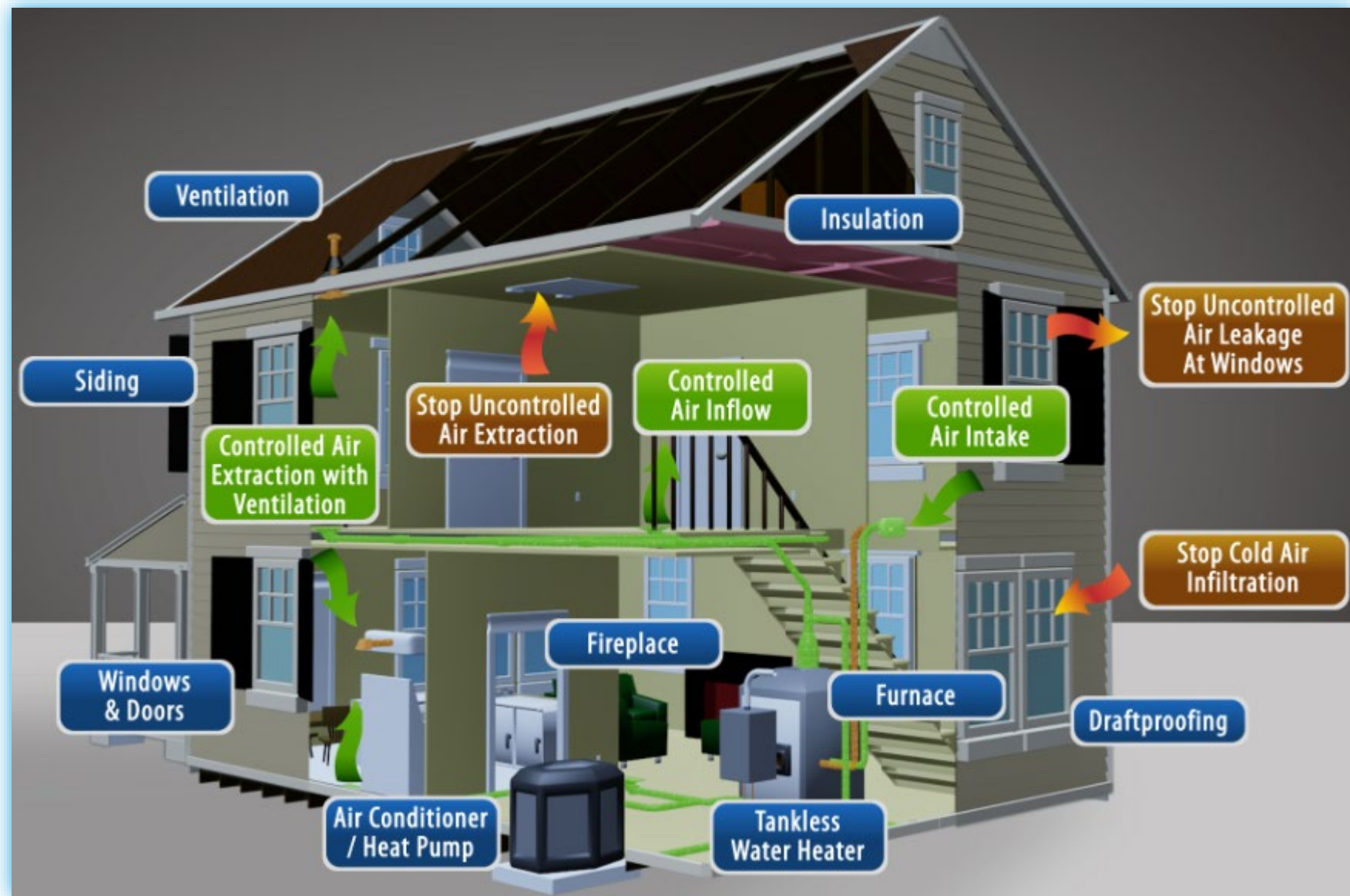
Who can help me?

Will renovations help?

Financial assistance?

What to improve?

“YOUR HOME WORKS AS A SYSTEM”



“Consider starting with an EnerGuide Home Evaluation”

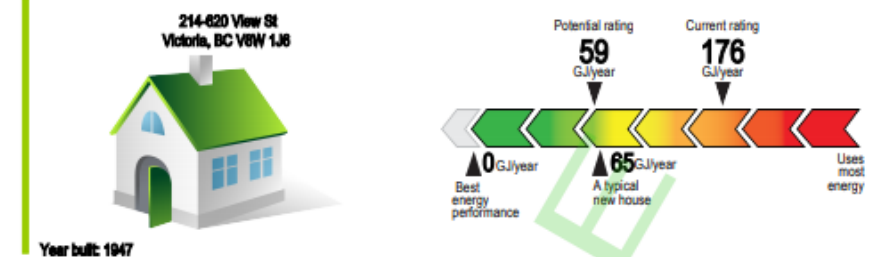
www.betterhomesbc.ca/ea

File Number: 79CGD00001

NRCan.gc.ca/myenerguide

RENOVATION UPGRADE REPORT

ENERGUIDE



Assessment date:
April 01, 2019

Evaluated by:
City Green Solutions

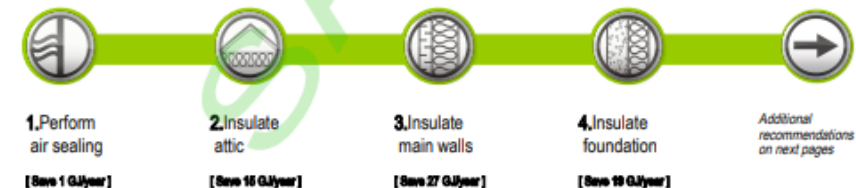
Quality assured by:
City Green Solutions

This report identifies your home's energy savings opportunities by providing you with recommended renovation upgrades. It complements your EnerGuide label and your Homeowner Information Sheet and includes:

- 🔧 Your customized action plan to improve the energy efficiency of your home;
- 📊 Information on your rating and potential contribution to greenhouse gas (GHG) emission reductions;
- 📊 Before and after heat loss and energy use estimates;
- 🛡️ Important health and safety information; and
- 💡 Additional energy savings tips.

YOUR ENERGY EFFICIENCY ROADMAP

Your energy advisor has prioritized your recommended upgrades based on the potential energy savings, the life expectancy of your home components, the interactions between systems, your potential renovation plans and the costs to perform the upgrades.



By implementing all upgrades, you are helping to fight climate change and could reduce GHG emissions by up to 6.7 tonnes per year.



Energy Efficiency is... **Year-Round Comfort**

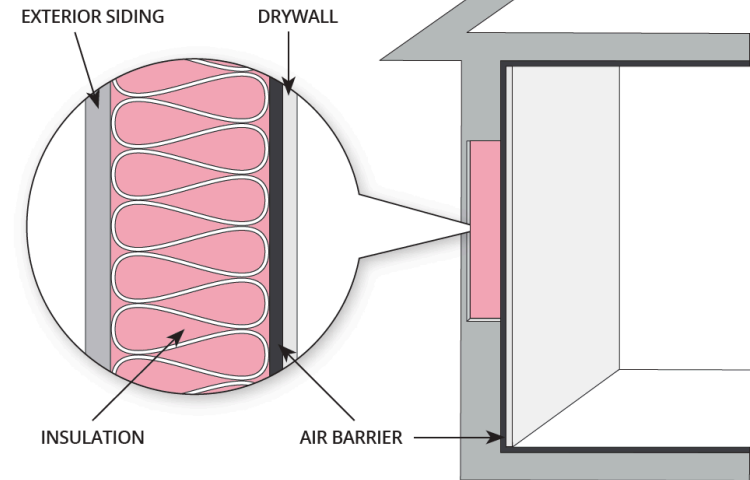




Insulation

Consumer Benefits

- ✓ **Consistent comfort**
- ✓ **Quieter home**
- ✓ **Save money**
- ✓ **Climate friendly**
- ✓ **Reduced maintenance costs
& improved durability**



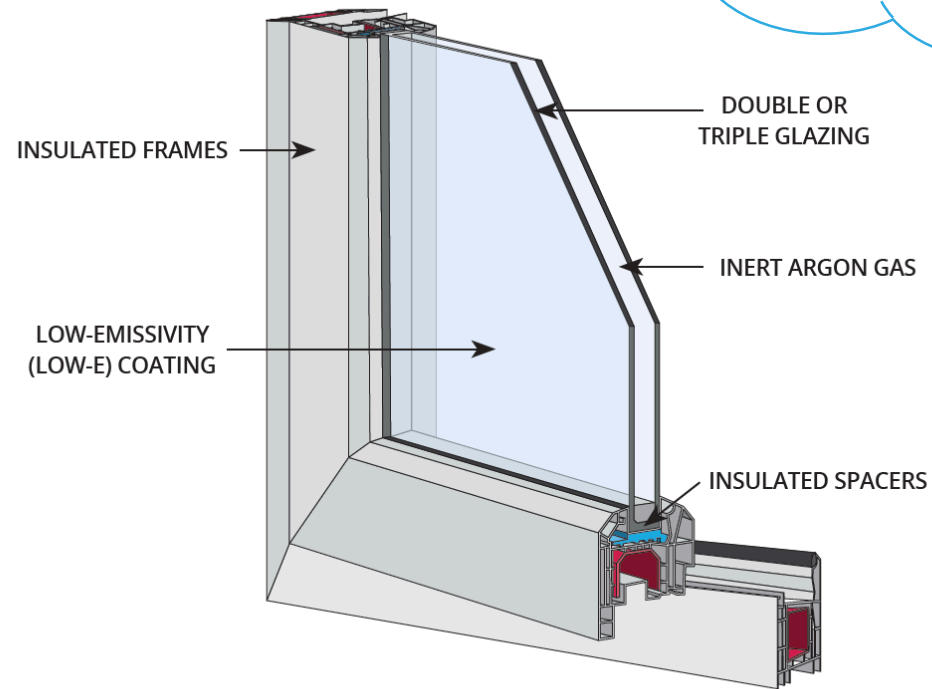
"Insulation is Sexy Stuff" B. Obama

Efficient Windows

**REBATES UP TO
\$100 / WINDOW
MAX \$3,000**

Consumer Benefits

- ✓ **Increased comfort**
- ✓ **Peace & quiet**
- ✓ **Protect your interior**
- ✓ **Increased home value**
- ✓ **Save energy & money**
- ✓ **Less/no condensation (with sufficient ventilation)**

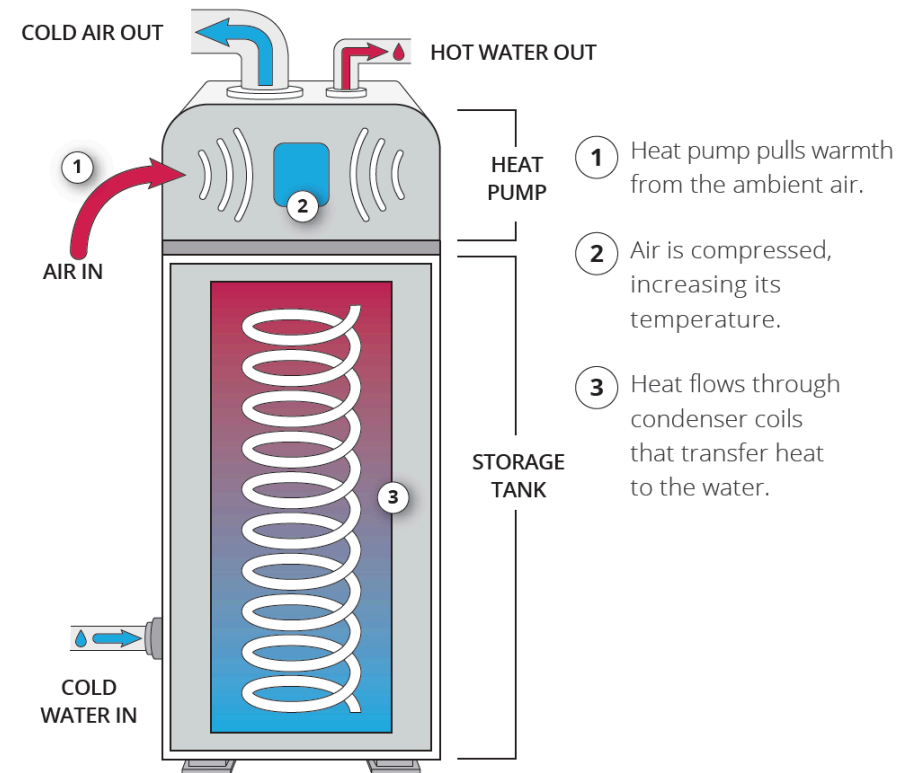


Heat Pump Water Heater

**\$1,000
REBATE**

Your Benefits

- ✓ **Saves energy & money**
- ✓ **Reliability**
- ✓ **Smart controls**
- ✓ **The most climate friendly option**



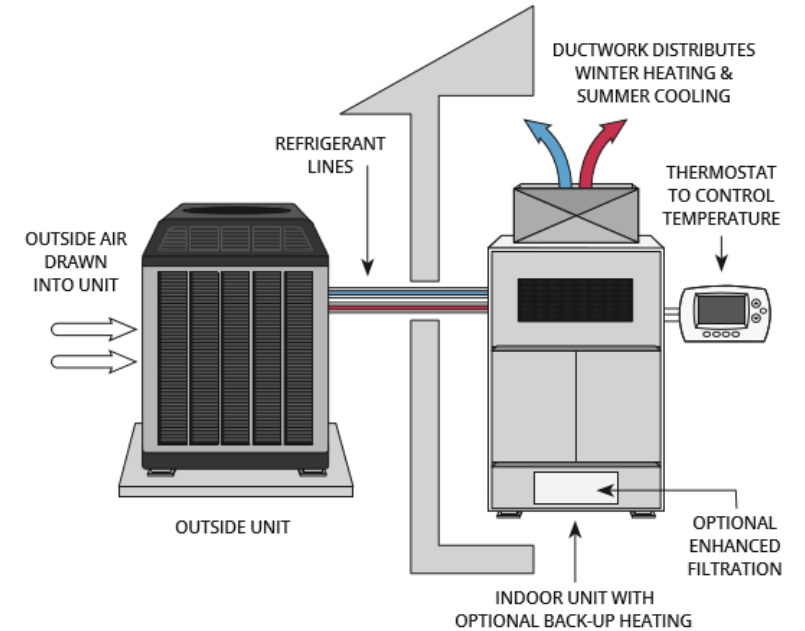
Heat Pumps

**REBATES UP
TO \$3,700**

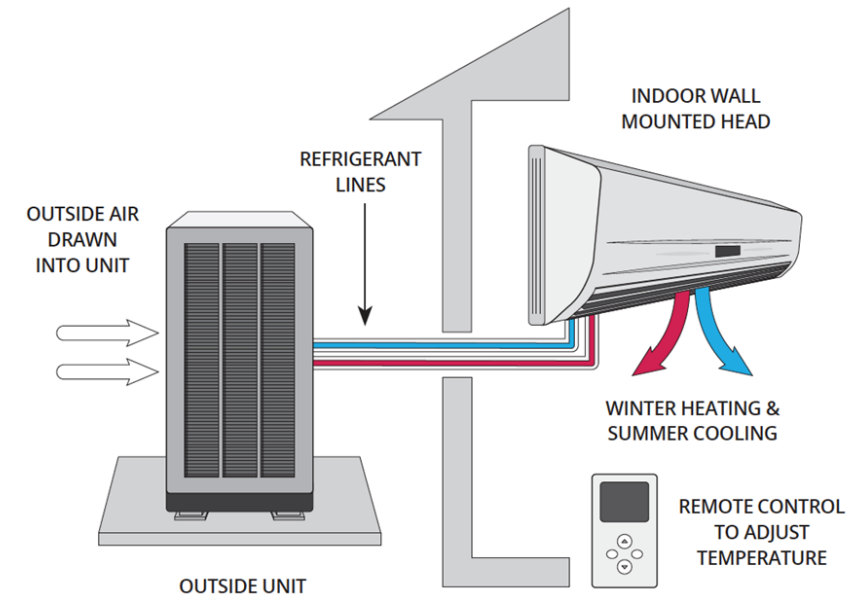
Your Benefits

- ✓ Year-round comfort
- ✓ Maximum efficiency & cost savings
- ✓ Climate friendly
- ✓ Central or zonal heating
- ✓ Better indoor air quality
- ✓ Cooling option for summer

Central System



Mini-Split





CLEANBC BETTER HOMES AND HOME RENOVATION REBATE PROGRAM




Rebates for your energy efficiency upgrades!



CLEANBC BETTER HOMES AND HOME RENOVATION REBATE PROGRAM

- ✓ FUNDED BY FEDERAL & PROVINCIAL GOVERNMENT, BC HYDRO & FORTISBC
 - ✓ ADMINISTERED BY BC HYDRO & FORTISBC
- ✓ SINGLE FAMILY DETACHED, SIDE-BY-SIDE ROW- & TOWNHOMES, DUPLEXES
 - ✗ MULTI-UNIT RESIDENTIAL HOMES, STACKED TOWNHOMES, CONDO BUILDINGS ARE NOT ELIGIBLE
- ✓ PRIMARY HEATING SYSTEM IS ELECTRICITY, NATURAL GAS, PROPANE, OIL
 - ✗ HOMES PRIMARILY HEATED WITH WOOD ARE NOT ELIGIBLE
- ✓ UPGRADES MUST BE INSTALLED BY LICENSED CONTRACTOR







REBATES FOR INSULATION

UPGRADE CATEGORY	UPGRADE TYPE	TECHNICAL DETAILS	SPONSOR	REBATE
INSULATION	ATTIC	$\$0.02 \times \text{R-VALUE} \times \text{SQUARE FEET}$ (MINIMUM R12)	  	UP TO \$900
	BASEMENT / CRAWLSPACE	$\$0.09 \times \text{R-VALUE} \times \text{SQUARE FEET}$ (MINIMUM R10)		UP TO \$1,200
	EXTERIOR WALL / CAVITY	$\$0.09 \times \text{R-VALUE} \times \text{SQUARE FEET}$ (MINIMUM R12)		UP TO \$1,200
	EXTERIOR WALL SHEATHING	$\$0.09 \times \text{R-VALUE} \times \text{SQUARE FEET}$ (MINIMUM R3.8)		UP TO \$1,200
	OTHER	$\$0.07 \times \text{R-VALUE} \times \text{SQUARE FEET}$ (MINIMUM R20)		UP TO \$1,000

REBATES FOR WINDOWS & DOORS

UPGRADE CATEGORY	UPGRADE TYPE	TECHNICAL DETAILS	SPONSOR	REBATE
WINDOWS / DOORS	TIER 2 PRODUCT	ENERGY STAR CERTIFIED U-FACTOR OF ≤ 1.22 W/m ² -K MAXIMUM 20 PRODUCTS	cleanBC	\$100 EACH (\$2,000 MAX)
	TIER 1 PRODUCT	ENERGY STAR CERTIFIED U-FACTOR OF 1.40-1.23 W/m ² -K MAXIMUM 20 PRODUCTS		\$50 EACH (\$1,000 MAX)

REBATES FOR GAS HEATING SYSTEMS

UPGRADE CATEGORY	UPGRADE TYPE	TECHNICAL DETAILS	SPONSOR	REBATE
NATURAL GAS HEATING	NATURAL GAS FURNACE	HIGH EFFICIENCY ≥97% AFUE	 	\$700
	NATURAL GAS FURNACE	HIGH EFFICIENCY 95-96.9% AFUE		\$500
	NATURAL GAS BOILER	HIGH EFFICIENCY ≥94% AFUE		\$1,000
	NATURAL GAS BOILER SPACE & WATER COMBO	HIGH EFFICIENCY ENERGY STAR OR P9 CERTIFIED SYSTEM		\$1,200
	NATURAL GAS FIREPLACE	ENERCHOICE FIREPLACE		\$300

RENEWABLE NATURAL GAS (RNG)

= METHANE CAPTURED FROM RENEWABLE SOURCES

- ✓ CLIMATE-FRIENDLY ALTERNATIVE TO CONVENTIONAL NATURAL GAS
 - ✓ CHOOSE BETWEEN 5, 10, 25, 50 OR 100% BLEND
- ✓ NO UPGRADES TO YOUR HOME NECESSARY
- ✓ CAPITAL REGIONAL DISTRICT CONSIDERING RNG FACILITY



Municipal curbside organic waste RNG production







Source: www.FortisBC.com/RNG

REBATES FOR HEAT PUMPS

UPGRADE CATEGORY	UPGRADE TYPE	TECHNICAL DETAILS	SPONSOR	REBATE
SWITCH FROM GAS, PROPANE OR OIL TO ELECTRICITY	MINI-SPLIT OR MULTI-SPLIT	HIGHEST EFFICIENCY VARIABLE SPEED HSPF ≥ 9.30, SEER ≥ 16	cleanBC	\$3,000 + \$350 municipal top-up
	CENTRAL DUCTED "TIER 2"			\$3,000 + \$350 municipal top-up
	CENTRAL DUCTED "TIER 1"	HIGH EFFICIENCY HSPF ≥ 8.50, SEER ≥ 15	cleanBC	\$1,200 + \$350 municipal top-up
UPGRADE YOUR ELECTRIC HEATING	MINI-SPLIT	HIGHEST EFFICIENCY VARIABLE SPEED HSPF ≥ 10.00, SEER ≥ 18.00	BC Hydro	\$1,000
	MULTI-SPLIT	HIGHEST EFFICIENCY VARIABLE SPEED HSPF ≥ 9.30, SEER ≥ 16	BC Hydro	\$1,000
	CENTRAL DUCTED "TIER 2"			\$2,000

BONUS REBATES

UPGRADE CATEGORY	UPGRADE TYPE	TECHNICAL DETAILS	SPONSOR	REBATE
BONUS OFFERS	TWO UPGRADE BONUS – Install two upgrades within 18 months			\$300
	HOME ENERGY IMPROVEMENT BONUS – Complete a pre- and post-EnerGuide home evaluation and install three upgrades within 18 months		 	Up to \$2,000
	EnerGuide HOME EVALUTION REBATE – Complete a pre- and post-retrofit EnerGuide home evaluation within 18 months			\$300



INCOME QUALIFIED OFFERS

Free income-based products & services...



cleanBC
BETTER HOMES



cleanBC
our nature our power our future

Canada

 **BC Hydro**
Power smart

 **FORTIS BC**
Energy at work

Hello?





Better Homes helps British Columbians find rebates that save energy and lower greenhouse gas emissions.

Energy-efficient buildings are a key part of a cleaner future and they make life more comfortable and affordable.



Find rebates
for
**renovating
a home**



Find rebates
for **building
a home**

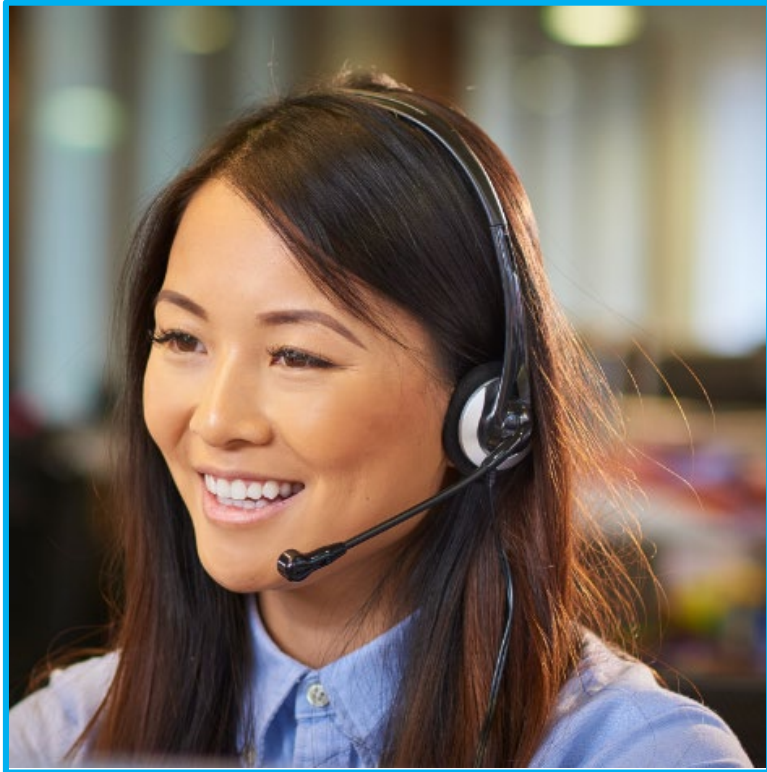
Not sure where to start? Follow our step-by-step guide



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Find incentives for commercial projects at [BetterBuildingsBC.ca](#)

CLEANBC – ENERGY COACHING



SELF – SERVE ONLINE RESOURCES

- Incentives, Rebates and Financing Search Tool
- Resources to Learn about Energy Efficiency Products and Services
- Frequently Asked Questions

ENERGY COACHING SUPPORT

- Website: www.betterhomesbc.ca
- Phone: 1.844.881.9790
- Email: ask@betterhomesbc.ca

REBATE SEARCH TOOL

Rebate Search Tool

What **type of project** are you completing?

Renovating a home

Where is the home **located**?

Search Location

Select the closest municipality or regional district

How is the home **currently heated**?

If the home has more than one system, select the main heat source

- ☐ District energy (locally created energy)
- ☐ Electricity (baseboard, furnace)
- ☐ Geothermal
- ☐ Heat Pump
- ☐ Natural Gas or Propane (furnace, boiler, fireplace)
- ☐ Not sure, view all rebates
- ☐ Oil (furnace, boiler)
- ☐ Wood (stove, fireplace)

Filter Search Results

- ☒ Heating
- ☐ Hot Water
- ☐ Windows, Doors and Draftproofing
- ☒ Insulation
- ☐ Appliances
- ☐ Home Energy Evaluation
- ☐ Income-Qualified Programs
- ☐ Mortgage Refund
- ☐ Tax Refund

Heating

INSTALL A HEAT PUMP

CENTRAL AIR SOURCE HEAT PUMP REBATE Compatible with a new or existing duct system	\$1,200 - \$3,000
MINI-SPLIT OR MULTI-SPLIT AIR SOURCE HEAT PUMP Compatible with homes with no duct system	\$1,000 - \$3,000
COMBINED SPACE AND HOT WATER HEAT PUMP Space heating and domestic hot water system	\$1,200 - \$4,000

UPGRADE A FIREPLACE

FORTISBC NATURAL GAS FIREPLACE Replace your existing system with a high-efficiency model	\$300
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Insulation

INSULATION REBATES Claim rebates for multiple areas: attic, basement, crawlspace, etc.	up to \$5,500
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Submit

Draftproofing

What should I know about draftproofing?

Where do I start to reduce drafts and improve my home?

What are the benefits of draftproofing?

How do I draftproof my home?

[See all](#)

Insulation

What should I know about insulation?

What are the benefits of insulation?

What are the costs of insulation?

What are the priority areas for insulation?

[See all](#)

Ventilation

What are ENERGY STAR ventilation/exhaust fans?

What are the benefits of ENERGY STAR ventilation/exhaust fans?

What are the costs of ENERGY STAR ventilation fans?

How do I ensure that I get the right ventilation fans for my home?

[See all](#)

Heating and Cooling Systems

Which heating system is best for me and my home?

How do I know if my heating and/or cooling system is properly sized for my home?

What are central heat pumps?

What are ductless/mini-split heat pumps?

[See all](#)

Water Heating Systems

What are condensing storage tank water heaters?

What are the benefits of condensing storage tank water heaters?

What are the costs of storage tank hot water heaters?

How do I ensure that I get the right condensing storage tank water heater for my home?

[See all](#)

Windows and Doors

What are ENERGY STAR windows?

What are the benefits of ENERGY STAR windows?

What are the costs of ENERGY STAR windows?

How do I ensure that I get the right windows for my home?

[See all](#)

SELF SERVE RESOURCES: ENERGY UPGRADES

Search FAQs

Search

Rebate Questions

What rebates/incentives are available and how do I access them?

Which rebates are available for heritage home energy improvements?

Am I required to have an EnerGuide home evaluation in order to apply for rebates?

What types of homes are eligible for the Home Renovation Rebate Program?

[See all](#)

EnerGuide Home Evaluations

What are EnerGuide home evaluations?

How can I have an EnerGuide home evaluation performed on my home?

When should I have an EnerGuide home evaluation?

What are the benefits of an EnerGuide home evaluation?

[See all](#)

Energy Issues and Concerns

Why are my energy bills so expensive?

How can I tell if my home uses too much energy?

Where do I start to reduce drafts and improve my home?

Why are some areas of my home difficult to keep warm?

[See all](#)

Hiring a Contractor

Where can I find a qualified contractor that is right for the job, and what should I know before hiring them?

What accreditations do I look for when hiring contractors/installers?

What questions should I ask a contractor during the interview process?

How do I ensure that I am getting a fair price for my requested services from a contractor?

[See all](#)

DIY

Can I do my energy upgrades myself?

What are the most cost effective DIY home energy improvements?

What resources are available for DIY home energy improvements?

[See all](#)

Other

How do I find an energy efficient home to buy?

How do I promote the energy efficiency of my home when selling it?

What is a net zero energy home? How can I make my home a net zero home?

Can you retrofit a building to the Passive House Standard?

[See all](#)

FREQUENTLY ASKED QUESTIONS

QUESTIONS/CONTACT

www.betterhomesbc.ca

1.844.881.9790

ask@betterhomesbc.ca

Not sure where to start? Follow our step-by-step guide





QUESTIONS/CONTACT INFO:
elena.dopfer@citygreen.ca