



Energy Conservation Programs for Indigenous Communities

April 19, 2021

Introduction

- Benefits of energy conservation & management extend *beyond* saving energy
 - Affordability, climate action, health, local economic development
- BC Hydro, FortisBC and Clean BC energy conservation program offers can support your housing work
 - Existing homes, new homes, home energy management
- Program support and funding can be stacked with other federal and provincial government program offers
 - Province of BC's [List of Funding Opportunities](#)

Residential Energy Conservation Programs

Energy Conservation Program Offers (residential)

Program Offer	Who it's for
Energy Conservation Assistance Program (ECAP)	<ul style="list-style-type: none">• Income qualified
Indigenous Communities Conservation Program (ICCP)	<ul style="list-style-type: none">• Homes within BC Hydro or Fortis BC service area• Funding source depends on type of home heating (electricity or gas)
Social Housing Retrofit Support Program (SHRSP)	<ul style="list-style-type: none">• Social housing providers
Fortis BC New Home Program	<ul style="list-style-type: none">• Builders / homeowners / Indigenous communities

Residential: Existing homes

Energy Conservation Assistance Program (ECAP)

Basic ECAP	Advanced ECAP
<ul style="list-style-type: none">• Free home energy assessment to look at building efficiency and identify areas for improvement.• Free energy-saving products are professionally installed• Products installed include<ul style="list-style-type: none">• energy-efficient light bulbs• high-efficiency showerheads• draft protection	<ul style="list-style-type: none">• Some homes may also qualify for an ENERGY STAR® refrigerator, insulation in their walls, attic, and/or crawlspace or a high-efficiency gas furnace* <p><i>Note: Manufactured/mobile homes are not currently eligible for insulation and a new furnace but FortisBC hopes to roll out this offer in early 2021.</i></p>

The energy evaluator will then provide **advice and tips** for how to improve your **home's efficiency** even more, which improves **home comfort**.

ECAP video



[click image above to play video in web browser](#)

Indigenous Communities Conservation Program (ICCP)

Supports community-led home energy upgrades

Stream 1	Stream 2
<ul style="list-style-type: none">• Free energy saving products• Salary support• Training	<ul style="list-style-type: none">• Rebates for home energy upgrades• Training

Indigenous Communities Conservation Program (ICCP)

Stream 1

- Free energy saving products
- Salary support for local installers
- Training in how to **assess** home energy upgrade opportunities and **install** products

Stream 2

- Rebates for eligible home energy upgrades
- Training in 'Best Practices for Air Sealing and Insulation Retrofits'



Stream 1 - *How it works*

1. Communities **apply** to install energy saving products in homes.
2. Sign contribution **agreement** committing BCH to provide products, training and salary support.
3. Community orders **products** through virtual storefront.
4. BCH delivers **training** on how to assess energy saving opportunities in homes and install products.
5. Community continues with **assessments and product installation** until complete.

Stream 1 – Free Energy Saving Products

Products	# per home	Products	# per home
LED lightbulbs	25	Draft Proofing Foam tape	1 roll
LED nightlight	1	Draft proofing V-strip tape	1 roll
Kitchen faucet aerators	1	Window Film	5 packs
Bathroom faucet aerators	2	Outlet gaskets (10 per pack)	3 packs
High performance showerhead	1	Pipe wrap for hot water tank	3
Door sweeps	2	Dryer Rack or Clothesline	1
Door threshold	2	Combination CO/smoke monitor	2
Backer rod	1 pack	Smart strip	1
Caulk	1 tube	Fridge thermometer	1
Low expansion spray foam	1 can	Attic hatch insulation	1



Photos: Training activities with Skidegate, Old Massett and Gitga'at

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***Note:** BC Hydro funds rebates for homes with electric primary heat source, FortisBC funds rebates for homes with natural gas primary heat source.*



Stream 2 - *How it works*

1. Communities **apply** to indicate intent to pursue upgrades and rebates
2. Sign contribution **agreement** (BCH only) committing BCH to provide training and rebates
3. Deliver **training** to community's contractors / workers on '*Best Practices for Air Sealing and Insulation Retrofits*'
4. Communities continue with **home energy upgrades**
5. Apply for **rebates** once complete.

Home Energy Upgrade Rebates (1 of 2)

ICCP Stream 2

Category	Retrofit / Upgrade		Rebate Amount (max / home)
Health and Safety	Activities to enable renovations (e.g., drywall or soffit repair, remediation of damage due to mould/moisture, radon, asbestos, pests, etc.		\$1,000
Building Envelope	Attic insulation and draftproofing		\$1,800
	Basement/crawlspace insulation and draftproofing		\$2,000
	Exterior wall cavity insulation		\$2,000
	Exterior wall sheathing insulation		\$2,000
	Other insulation		\$1,500
	Windows/Doors	Tier 1: \$100 per window/door; Max \$2,000 Tier 2: \$200 per window/door; Max \$4,000	
Ventilation	Bathroom fans, ducts and installation		\$1,200

Home Energy Upgrade Rebates (2 of 2)

ICCP Stream 2

Category	Retrofit / Upgrade	Rebate Amount (max. / home)
Equipment & Appliances (BCH)	Advanced programmable thermostats (and baseboard heaters, if required for compatibility)	\$100 ea. up to \$600
		\$25 ea. up to \$150
	Energy Star refrigerators and chest freezers (BCH)	\$1,000 / \$400
Primary Space Heating (Electric)	Air source heat pump – VSMS single <u>or</u> multi-head	\$1,000
	Air source heat pump – Variable speed central	\$2,000
Primary Space Heating (Gas)	High efficiency natural gas furnace, connected thermostats	\$2,000 or \$3,000
Water Heating	Electric heat pump water heater (BC Hydro)	\$1,000
	Natural gas high efficiency storage & condensing tankless water heaters, electric heat pump water heaters (FBC)	\$500 or \$2,500



Photo: Window replacement in Kanaka Bar First Nation

Social Housing Retrofit Support Program (SHRSP)

Suited for First Nations that manage multi-unit social housing

- SHRSP includes:
 - **energy study** funding
 - **implementation support** funding
 - **incentives** on a variety of high-efficiency electric and natural gas energy conservation **upgrades**
- For existing **multi-unit residential building (min. 9 units)**
- ** Additional incentives are available for non-profit housing providers through CleanBC's [Social Housing Incentive Program](#).

Residential: New homes

New Home Program Incentives

Fortis BC



New Home Program - Design

Fortis BC

For **Step 3, 4 or 5** homes. Integrated Design Process: **up to \$7000** rebate ^(1,2)

(1) Must use a pre-approved IDP facilitator

(2) Must use a building science consultant and/or mechanical design specialist.



Eco Sage super-efficient homes,
Penticton Indian Band



Option A: pursuing Step 2 and higher

Option A		EA Support Incentive		Additional Rebates	
Home Performance (Step Code) <div> Step 2 \$3,000 Step 3 \$4,000 Step 4 \$6,000 Step 5 ⁽¹⁾ \$10,000 </div>		<u>Energy Advisors</u> receive \$200 <u>Builders</u> receive \$800 Total = \$1,000		Gas Dryer \$100 Connected Thermostat ⁽²⁾ \$100 <div> Gas Fireplace \$500 </div> DWHR ⁽³⁾ \$250	Fridge \$50-\$100 Washer \$100 Electric Dryer \$100-\$250
	PLUS (+)		PLUS (+)		

(1) Pre-approved from FortisBC required.

Rebate



Updated incentives available until [December 31, 2022](#).

Full program details, including terms and conditions, can be found at www.fortisbc.com/newhome

Option B: pursuing BC Building Code or Step 1

Option B		EA Support Incentive		Additional Rebates	
High-Efficiency Water Heaters					
Qualifying Storage Tank \$500		<u>Energy Advisors</u> receive \$200		Gas Dryer \$100	Fridge \$50-\$100
Condensing Storage Tank \$1,000				Connected Thermostat ⁽²⁾ \$100	Washer \$100
Condensing Tankless \$1,000	PLUS (+)	<u>Builders</u> receive \$800	PLUS (+)	Gas Fireplace \$500	Electric Dryer \$100-\$250
Combination Heating and Hot Water System \$1,200				DWHR ⁽³⁾ \$250	
Heat Pump Water Heater \$2,000		Total = \$1,000			



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New Home Capacity Building Initiatives

BC Hydro



Resources

Best Practice Guides
“Building Specifications for
the Wet West Coast”
Energy Step Code
Integrated Design Process



Training

BCIT
BC Housing
CHBAs
Community Energy
Association
LEEP



Experience

Blower Door Testing
High Performance Builder Lab
Local tours

Preparing the Market for High Performance New Construction

New Home Initiatives

Wet West Coast: The Nuxalk Nation Housing Initiative



[click image above to play video in web browser](#)

More Information....

Events/training calendar:

- www.energystepcode.ca → Event Calendar

Building Science Guides and Resources:

- www.bchousing.org → [Research Centre](#) → [Research Library](#)
- “[Building Specifications for the Wet West Coast](#)”
 - Available online through the [Coastal First Nations / Great Bear Initiative website](#)

Difficulties accessing events?

- Contact IndigenousConservation@bchydro.com to explore building industry training & support options

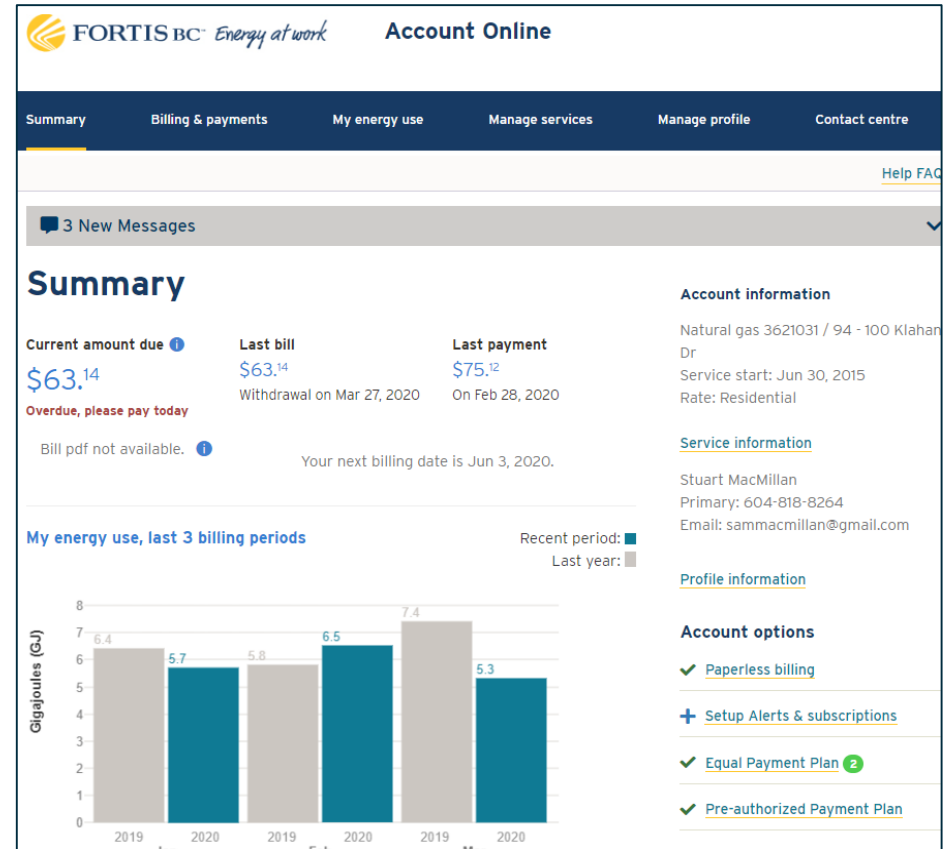
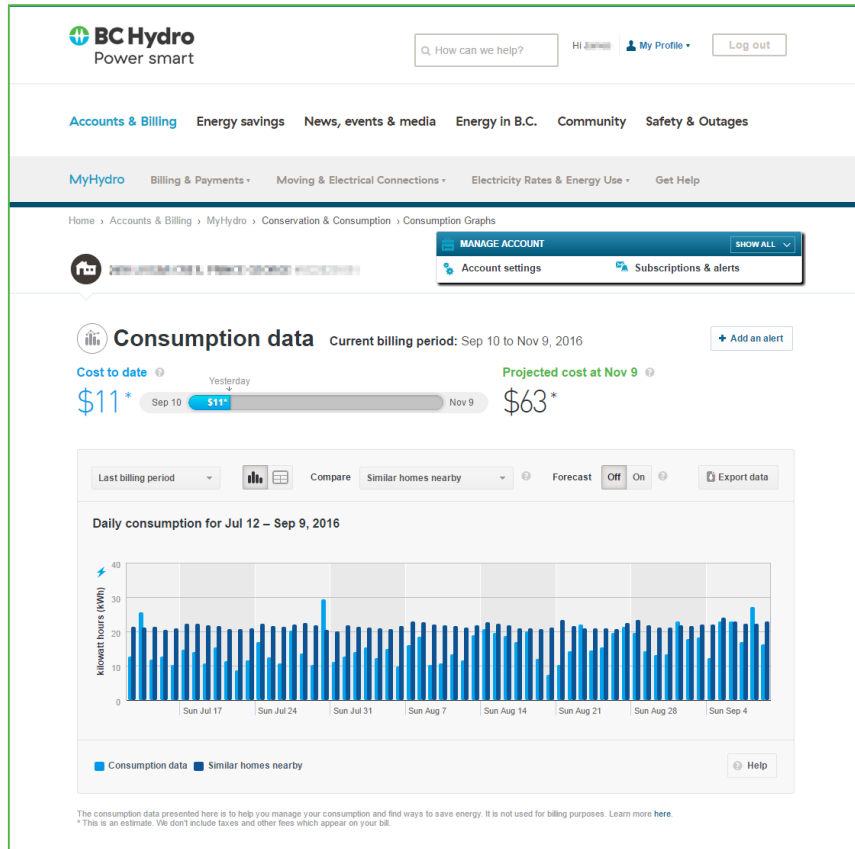
Home energy management

MyHydro (BCH) & Account Online (FortisBC)

Free online tools that allow customers to:

- Track your electricity / natural gas use
- Compare to outside temperature and similar nearby homes
- View bills & payments
- Start, Stop Or Move Your Service
- Manage Subscriptions & Alerts
- Manage Account Settings

Track Electricity Use



My Energy Use



Start managing your energy usage today.



click image above to play video in web browser

Team Power Smart

Check your challenge progress.



Log in to your Team Power Smart Member Tool Box and see if you're on your way to earning a \$50 reward.



Home Energy Management Training

Sponsored by BC Hydro, FortisBC, Fraser Basin Council

- A series of 12 online webinars for Indigenous communities were held from September 2020 through February 2021
- 3 training streams:
 - Technical – for housing managers,
 - Energy Management – for asset managers, and
 - Community - for community outreach staff and local champions.
- Delivered through Fraser Basin Council's [First Nations Home Energy Save](#) program
- Webinar recordings are available on the [FBC YouTube channel](#).

Thank you!

Seth Oldham

Demand Side Management Lead

BC Hydro - Indigenous Relations

T: 604-699-7260

E: seth.oldham@bchydro.com

Carol Suhan

Manager, Conservation & Energy
Management

Fortis BC

T: 250-469-8116

E: carol.suhan@fortisbc.com

