

FortisBC Dual Fuel Heating System Offer

FortisBC Conservation and Energy Management

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July 2024

We've got Rebates



Agenda

- Introduction
- Offer Overview
- Rebate Requirements
- Documentation Requirements
- DSMally Mobile Commissioning App
- TAN Benefits
- Questions

FortisBC Dual Fuel Heating System Offer

- **Adheres to the amended Demand Side Management (DSM) regulation** that came to effect on January 1, 2024.
 - Enabled incentives for dual fuel space heating systems, with some regulatory parameters for certain Climate Zones.
- Aligns with the CleanBC roadmap.
- Supports FortisBC decarbonization and diversified pathway goals.
- **Target audience: Natural gas customers looking to replace older, inefficient furnaces (10+ years old).**

Program period: July 1, 2024, to December 31, 2027.

What is an energy efficiency program?

- Programs that contribute to reducing energy consumption through customer education and incentives for installing high-efficiency equipment, while also helping British Columbia achieve its climate action goals.
- **FortisBC is investing \$627 million in natural gas energy efficiency programs from 2024-2027.**
 - Including: gas heat pumps, dual fuel heating system offer, appliance maintenance, connected thermostats and more.
- **Investing \$68 million in electricity energy efficiency programs from 2023-2027.**



What does it mean to be regulated

- As a regulated utility, FortisBC must seek approval from the BC Utilities Commission for expenditures related to its energy efficiency and conservation programs, also known as Demand Side Management (DSM). This is a transparent, public process.
- Our role as a regulated utility includes:
 - Obtain necessary regulatory approvals
 - Comply with Commission orders
 - The amount of energy savings we achieve, impacts on the programs we offer
 - Evaluate Programs, submit annual reports, and document all data we get

DSM regulations parameters for Dual Fuel:

- COP of 1.5 in climate zones 4 and 5.

Rebate Offer

Equipment Incentive	Incentive Amount
Home Renovation Rebate Program (HRR)	\$10,000
Income Qualified Rebates Program (IQP)	\$15,000
Indigenous Communities Conservation Program (ICCP)	\$15,000
Northern Offer Top-up (CleanBC)*	\$3,000
Municipal Top Ups	varies
Contractor Incentive	
Per install (paper commissioning sheet)	\$100
Per install (mobile app commissioning sheet)	\$300
Additional Incentives	
Certified Connected Thermostat	\$150

For any bonus offer, this is considered one upgrade.

**Eligible homes must be located north of and including the District of 100 Mile House (latitude 51.628°N)*

Dual Fuel Rebate Requirements

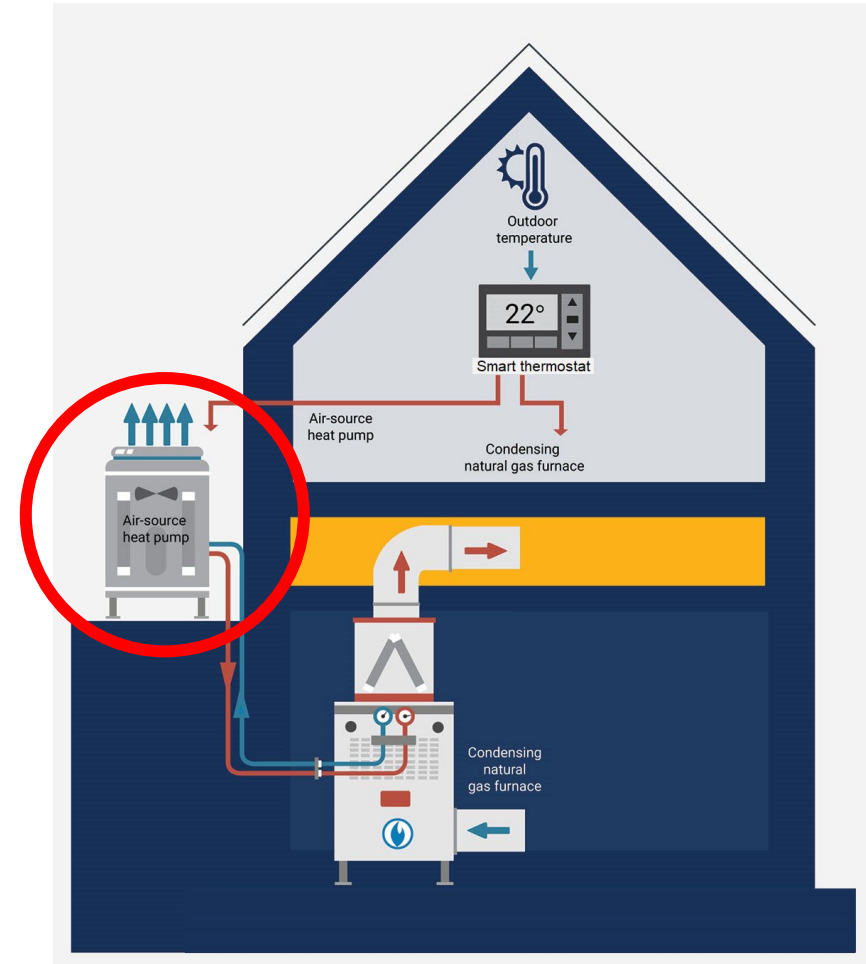
Eligibility requirements:

- Must be a FortisBC residential gas customer.
- Must be replacing a natural gas furnace that is at least ten years old.
- Must be sized to function as the primary heating system of the home and serve the main living area.
- Invoices must be dated on or after July 1st 2024.
- Full replacement of the existing system with a qualifying dual fuel system.
 - The addition of an air source heat pump to an existing high efficiency furnace is not eligible.
- Installation with a **maximum** switchover temperature of:
 - Vancouver Island and Lower Mainland: 5°C
 - Southern Interior and Northern BC: 2°C and
- An eligible system must have:
 - minimum HSPF ≥ 10.00 or HSPF2 ≥ 8.5
 - minimum SEER ≥ 16.00 or SEER2 ≥ 15.2
- System installed by a Technical Safety BC licensed gas contractor who is a member in good standing of the Home Performance Contractor Network.
- Available for Revelstoke residential customers receiving piped propane supplied by FortisBC.

Mechanical Requirements – Heat Pump

The **air source heat pump** must:

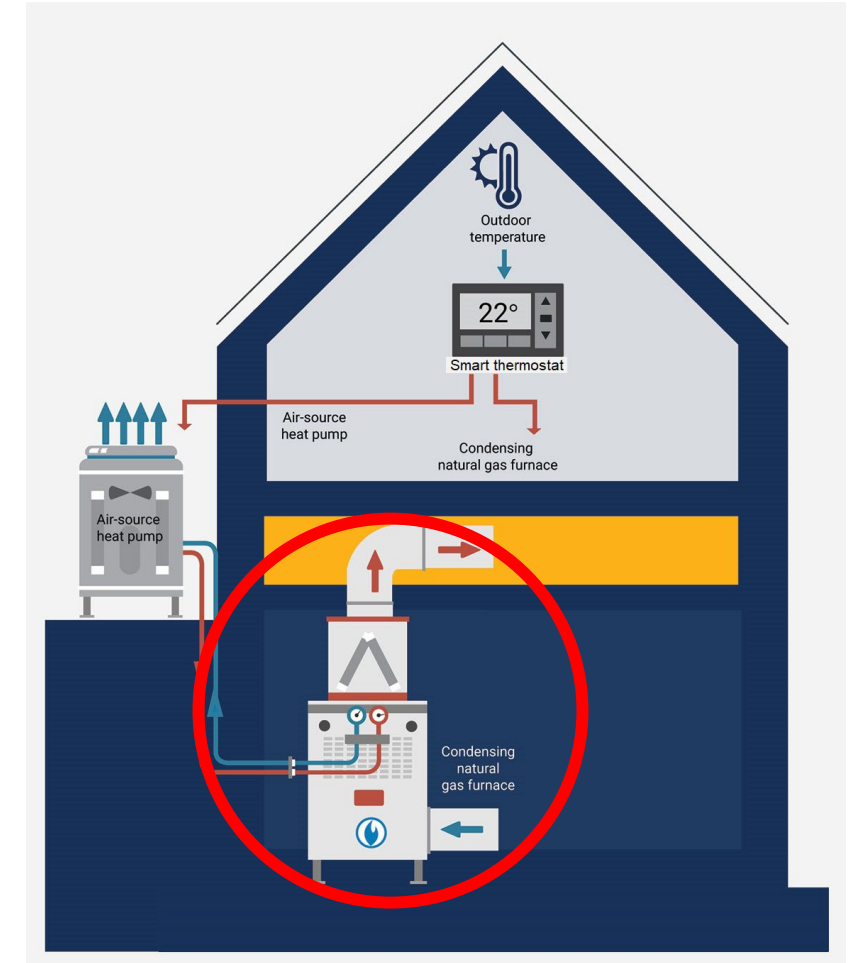
- a. be sized to meet the heat demand at or below the required temperature set points,
- b. be installed in accordance with the Heat Pump Best Practices Installation Guide for Existing Homes,
- c. be a central ducted heat pump,
- d. undergo commissioning, and
- e. be included in the qualified systems list (must match all components).



Mechanical Requirements – Gas Furnace

The **natural gas furnace** must:

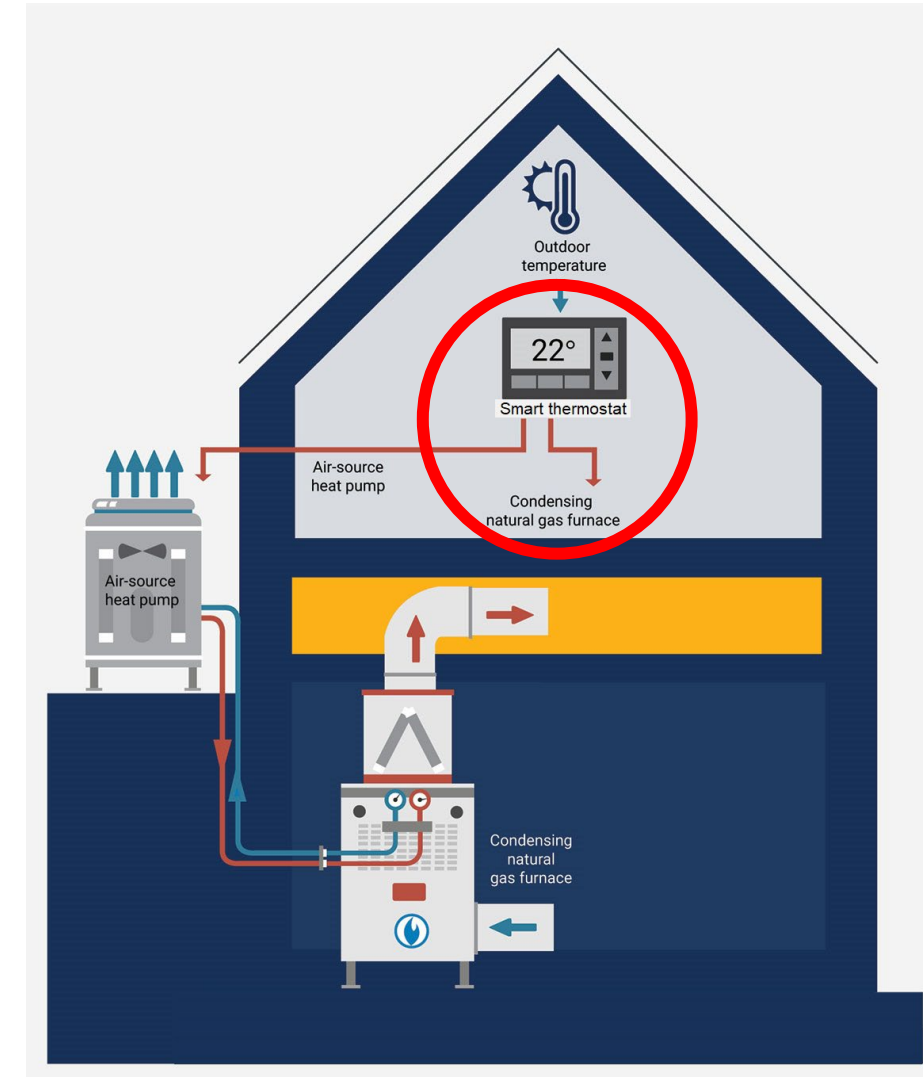
- a. be installed with a two-pipe direct vent system,
- b. be installed in accordance with the High-Efficiency Furnace Installation Guide for Existing Houses,
- c. undergo commissioning, and
- d. be included in the qualified systems list.



Mechanical Requirements - Thermostat

The **thermostat** must:

- a. be compatible with both the Heat Pump and the Furnace, and
- b. be capable of automatically switching between the heating systems based on programmable logic.



Documentation Requirements

- **Customers must submit the following documentation during the application process:**
 - Installation invoice
 - Heat Load calculation
 - Commissioning sheet
- A photo of the two-pipe direct vent system (gas furnace) must be made available upon request.



Installation invoice

Must include:

1. Installation address
2. Installation date
3. Equipment model information, including system **AHRI number**
4. Gas permit number
5. Thermostat make and model
6. Cost of upgrades and installation
7. Confirmation of zero balance



Commissioning Sheet

Must be completed by the installation contractor upon completion of the install.

- All required data must be filled in.
- Commissioning sheet must be provided to customer.

Home Renovation Rebate Dual fuel heating system pre-changeout and commissioning sheet (Keep this completed sheet with your dual fuel system)			FORTIS BC™	
<p>The dual fuel heating system pre-changeout and commissioning sheet is required documentation for new dual fuel system installations as a part of your Home Renovation Rebate application. Please keep a copy with your new heating system. This sheet will provide valuable information when your system is serviced in the future. For full Program Rebate Requirements visit fortisbc.com/getrebates.</p> <p>Why is commissioning important? HVAC contractors are responsible for selecting a dual fuel heating system based on the homeowner needs and informed by load calculations and the ductwork capacity available from a forced air distribution system. Once the selected equipment is installed, contractors will start-up and commission the dual fuel (hybrid) system to optimize performance. The benefits of a properly sized, selected and fully commissioned system include lower operating costs, potentially greater equipment longevity, and less maintenance over its lifetime. Additional benefits include improved home comfort, and a system that will run smoothly and quietly.</p> <p>Applicant instructions: Submit a copy or photo of this sheet with your dual fuel system rebate application online at fortisbc.com/getrebates.</p>				
Contractor business name			Gas Permit Number	
Customer info				
Customer First Name	Customer Last Name	Customer Email	Customer Phone	
Installation Address			City	Province
			BC	Postal Code
New system				
AHRI Number	Installation Date (YYYY/MM/DD)		System Make	
Indoor Model Number	Outdoor Model Number	Furnace Model Number		
Pre-changeout assessment				
Existing heating equipment		F280-12 Calculated Information		F280-12 Verified Tool Utilized
<input type="checkbox"/> Natural Gas Furnace <90AFUE <input type="checkbox"/> Natural Gas Furnace >=90 AFUE <input type="checkbox"/> Propane Furnace		F280-12 Design Heat Loss (BTU/h) _____ F280-12 Design Heat Gain (BTU/h) _____		<input type="checkbox"/> TECA – Heat Loss & Heat Gain Calculator <input type="checkbox"/> Wrightsoft – Right-Suite Universal <input type="checkbox"/> Avenir – HeatCAD <input type="checkbox"/> Volta Research – Volta Snap
Heat Pump Rated CFM per Ton		Sufficient duct capacity for heat pump?		
<input type="checkbox"/> 324 or less <input type="checkbox"/> 325-349 <input type="checkbox"/> 350-375 <input type="checkbox"/> 376-400 <input type="checkbox"/> 401 or more		<input type="checkbox"/> Yes <input type="checkbox"/> No		
Dual fuel system commissioning				
Heat Pump Refrigerant Charge		Type of Furnace		Measure/Set Manifold Gas Pressure
<input type="checkbox"/> Verified Factory Default <input type="checkbox"/> Adjusted		<input type="checkbox"/> Modulating <input type="checkbox"/> Single stage <input type="checkbox"/> Two stage		Furnace Inlet Gas Pressure (high fire) _____ iwc Furnace Manifold Gas Pressure (high fire) _____ iwc Furnace Manifold Gas Pressure (Low fire) _____ iwc Clock Meter Input _____ (BTU/h)
External Static Pressure (ESP)		Temperature Rise (at high fire)		Rise Range (as per manufacturer):
Return Air Static Pressure Drop _____ iwc Air Filter Static Pressure Drop _____ iwc A-Coil Static Pressure Drop _____ iwc Supply Air Static Pressure Drop _____ iwc Maximum Rated Total ESP _____ (iwc) Furnace air flow _____ CFM of furnace (high fire)		Supply air _____ °F Return air _____ °F Total rise = _____ °F		Minimum Rated Temp Rise _____ °F Maximum Rated Temp Rise _____ °F
Thermostat Switchover		Switchover Method		Switchover Temperature
<input type="checkbox"/> Capacity Balance <input type="checkbox"/> Economic Balance <input type="checkbox"/> Manufacturer Default <input type="checkbox"/> Program Specified		<input type="checkbox"/> Outdoor Temperature Sensor <input type="checkbox"/> Deviation from Setpoint		_____ (°C)
Filter		Homeowner Educated (thermostat programming, maintenance, troubleshooting)		Homeowner Provided Materials (owner's manuals, warranty documents, commissioning sheet)
Media type _____ Measurements _____ MERV rating _____		<input type="checkbox"/> Yes <input type="checkbox"/> No		<input type="checkbox"/> Yes <input type="checkbox"/> No

Heat Load Calculation

- Heat load calculation must be completed prior to installation.
- Must comply with the [CAN/CSA F280-12 standard](#).
- Home Energy Assessments are not valid – these are approximations only (see Glossary in Energy Assessment Report).

The completion of a heat load calculation is required to ensure that the contractor has selected the proper equipment size.

Recommendation for sizing and selection:

Natural Resources Canada [Toolkit for air source heat pump sizing and selection](#)



Requirements align with the current CleanBC requirements and methodologies.

Contractor Spiff

Contractor spiff eligibility will include prescriptive requirements including:

- Contractors must sign terms and conditions
- \$300 per install available with mobile app commissioning
- \$100 per install available with paper commissioning sheet*
- Only installs that meet all program rebate requirements, including switchover set points, will be eligible for contractor spiff.

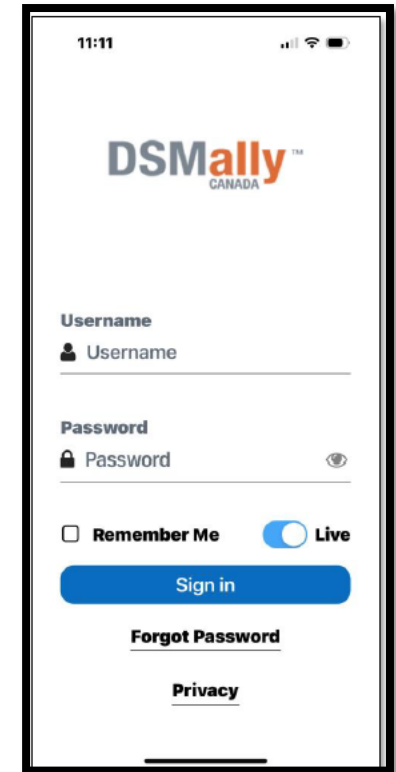
*Paper commissioning sheet refers to a digital or printed version of the FortisBC Dual Fuel Pre-changeout and Commissioning Sheet. Paper commissioning sheets will not be accepted after Dec 31, 2024.



DSMally - Commissioning Sheet Mobile App



- **FortisBC is going digital with the new commissioning sheet mobile app!**
 - **Free**
 - **Save time:** This is a faster, more convenient way for contractors to complete the prescriptive requirement for commissioning.
 - **Receive improved support:** Participating contractors will receive a digital copy of the installation report and commissioning document.
 - **Provide better service:** Improve customer service by delivering commissioning documents in a digital format directly to your customers.
 - Download the app “DSMally Canada” today!



Trade Ally Network

- **Marketing support**

- Co-op advertising program: up to 50% reimbursement, up to a max of \$5,000 per year in 2024
- Ad tiles available



- **Training support**

- Co-op training allowance: up to 50% reimbursement, up to a max of \$1,000 per year in 2024
- Free TECA's Quality First™ Heat Loss/Heat Gain course and calculator*
- Small Business BC Resources, such as talk to an expert session, market research, strategy session for business growth, etc.

**First come, first served basis. Funding is limited.*



- **Recruitment Support**

- Costs association with hiring a qualified gas fitter: up to 50% reimbursement, up to a max of \$2,000 per year



Contact us for more info and pre-approval: tradeallynetwork@fortisbc.com

Questions?



Thank you



For further information, please contact:

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