NEW RELATIONSHIP TRUST
Empowering First Nations in British Columbia

Community Energy Diesel Reduction Program (CEDR)
Residential Demand Side Management (DSM) Incentives and Requirements

The following table represents the maximum amount per residential Demand Side Management (DSM) incentive that the CEDR Program will contribute, as well as links to specific product requirements. Please contact CEDR Program staff at cedr@nrtf.ca to discuss using products not on this list.

Item	*Maximum CEDR incentive*	*CEDR Requirements*
Energy assessments and cost estimate development	$1,000	Must be an EnerGuide assessment or one with a similar scope of work.
Retrofit enabling		
Electrical Infrastructure Upgrades	$5,000	Must be completed by a licensed electrician & only with the installation of a heat pump or heat pump water heater.
Health and Safety *(drywall repair, soffit repair, pest management, etc.)*	$3,000	As recommended in any energy assessment to enable a measure that is also installed.
Ventilation	$2,400	Full fan system, including ducting to outside.
Envelope measures		
Attic insulation and draft-proofing	$5,500	Minimum R-Value – R12.
Basement/crawlspace insulation and draft-proofing	$5,500	Minimum R-Value – R10.
Other insulation	$5,500	Exterior wall cavity - minimum R-Value R12. Exterior wall sheathing minimum R-Value R3.8. Other (exposed floor, floor over crawlspace, basement header) R20.
Windows and exterior doors	$1,400/rough opening, up to $9,800	New windows/doors must have a metric U-Factor of 1.22 (W/m2·K) or lower. Windows and doors must be listed with one of the following certification bodies: • Canadian Standards Association (CSA) • Intertek Canada (Intertek) • Labtest Certification (LC) • QAI Laboratories (QAI) • National Fenestration Ratings Council (NFRC) • Keystone Certification (KC) Doors must be listed with one of the certification bodies or found on Natural Resource Canada's Energy Star certified door lists.

Air sealing	$2,000	Must be done in conjunction with other envelope measures.
Advanced Programmable Thermostats	$200/thermostat, up to $600	All equipment must be purchased in Canada. Online purchases are only eligible if they are ordered from a distributor located in Canada.
Heat pumps	All heat pumps must have an AHRI certified reference number that references all components of the heat pump system and must be on the Home Renovation Rebate and CleanBC Better Homes program heat pump qualified product list.	
Heat pump maintenance beyond standard warranty	$375	Subject to prior approval.
Mini/multi split air-source heat pump system	$17,000	· HSPF1 ≥10.00; SEER1 ≥16.00 (Region IV) or HSPF2 ≥ 8.5, SEER2 ≥ 15.2 (Region IV) · Variable Speed Required · Minimum capacity of 12,000 BTU (1 ton) · Multi split must have minimum two indoor head units
Central ducted heat pump system	$19,000	· HSPF1 ≥10.00; SEER1 ≥16.00 (Region IV) or HSPF2 ≥ 8.5, SEER2 ≥ 15.2 (Region IV) · Variable speed compressor · Minimum capacity of 12,000 BTU (1 ton)
Ground-source heat pump	$12,000	The system capacity must be ≤ 40 kW
		Open systems Heating COPh ≥ 3.6 with 10°C entering water Cooling COPc ≥ 4.75 with 15°C entering water
		Closed loop systems Heating COPh ≥ 3.1 with 0°C entering water Cooling COPc ≥ 3.93 with 25°C entering water
		Must be on Natural Resource Canada's eligible product list.
		Direct expansion (DX), water-to-water, and brine-to-water systems are not eligible.
Heat pump water heater	$4,500	Tier 2 on Northwest Energy Efficiency Alliance (NEEA) qualified products list.
Appliance Upgrades		
Refrigerators	$1,000	Energy Star® certified refrigerator.
Chest Freezers	$500	Energy Star® certified chest freezer.

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Home Energy Upgrade Incentives

RETROFIT ENABLING UPGRADES

Health and Safety

Incentive requirements:

- A home must receive eligible building envelope upgrades in at least one category (e.g., insulation, windows, doors) to qualify for a health and safety incentive. The health and safety incentive is not available for a home without associated building envelope upgrades.
- Applicants are responsible for ensuring work is done in accordance with all applicable laws, orders, ordinances, standards, codes and other rules, licenses and permits of all lawful authorities.
- The incentive amount cannot exceed the cost of the work completed and cannot exceed the limit of $3,000 per home.

Health and Safety Upgrade	Incentive maximum
Drywall repair, soffit repair, pest management, mold/moisture remediation, radon, and asbestos remediation, etc.	**$3,000 per home**

Supporting documentation:

- Paid invoice. Invoice must be paid in full, as indicated by a $0 balance owing, proof of payment, etc.

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Home Energy Upgrade Incentives

RETROFIT ENABLING UPGRADES

Ventilation

Incentive requirements:

- A home must receive eligible building envelope upgrades in at least one category (e.g., insulation, windows, doors) to qualify for a ventilation incentive. The ventilation incentive is not available for a home without associated building envelope upgrades.
- Ventilation systems must:
  - Be Energy Star® certified and appear on the qualifying product list.
  - Have a capacity of at least 85 CFM (40 L/s), at static pressure of 50 pa (0.2" w.c.)
  - Be rated for continuous duty and equipped with permanently lubricated motors.
  - Be equipped with self-closing backdraft damper to prevent air flow during "off" periods.
  - Be ducted directly to the outside of the Premises.
  - Be sealed at joints with duct sealer or aluminum duct sealing tape.
  - Be insulated to minimum R4 (RSI 0.75) if exhausting warm air through unheated spaces.
  - Be screened with ¼" (6 mm) to ½" (12 mm) mesh, of corrosion-resistant material to shield from weather, birds, and rodents.

Ventilation Upgrade	Efficiency requirements	Incentive maximum
Bathroom or kitchen fan systems	**Energy Star® certified fan system, including ducting to outside**	**$2,400 per home**

Supporting documentation:

- Paid invoice. Invoice must be paid in full, as indicated by a $0 balance owing, proof of payment, etc.

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Home Energy Upgrade Incentives

ENVELOPE MEASURES

Insulation

Incentive requirements:

- Insulation added must be equal to or greater than the minimum required R-value added (outlined below).
- New insulation must be:
  - Batt, loose fill, board or spray foam.
  - We recommend having installation completed by a licensed contractor with a GST number and a valid B.C. business license for the trade applicable to the upgrade being installed. Self installations are not eligible. It is also recommended to have the installation completed by a Home Performance Contractor Network (HPCN) member.
  - Installed in accordance with the Best Practices Guide Air Sealing & Insulation Retrofits for Single Family Homes.
  - Installed to reduce heat loss from the home (e.g., insulation for soundproofing for insulation in outbuildings is not eligible).

Insulation Location	Minimum R-value added	Incentive Maximum
Attic-flat and cathedral ceiling	**R12**	**$5,500 per home**
Basement/crawlspace walls	**R10**	**$5,500 per home**
Other	**Exterior Wall Cavity- R12**	**$5,500 per home**
	Exterior Wall Sheathing- R3.8	
	Other- R20	

Supporting documentation:

- Paid invoice. Invoice must be paid in full, as indicated by a $0 balance owing, proof of payment, etc.

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Home Energy Upgrade Incentives

ENVELOPE MEASURES

Windows and Doors

Incentive requirements:

- The number of windows and/or doors eligible for incentives is based on the number of rough openings (RO) in which windows or doors were replaced. Each RO is counted as one window and/or door. A bay window, which may be made up of several window sections, is regarded as one RO. Each bay window will qualify for one incentive.
- Skylights are not eligible for an incentive.
- The new windows and/or doors must:
  - Be listed with one of the following certification bodies:
    - Canadian Standards Association (CSA)
    - Intertek Canada (Intertek)
    - Keystone Certification (KC)
    - Labtest Certification (LC)
    - QAI Laboratories (QAI)
    - National Fenestration Ratings Council (NFRC)
  - We recommend having the installation completed by a licensed contractor with a GST number and a valid B.C. business license for the trade applicable to the upgrade being installed. Self installations are not eligible.

Upgrade	Incentive	Efficiency requirements	Incentive maximum
High efficiency window/door	**$1,400 per window/door**	**U-Factor of 1.22 W/m² – K or less (as indicated on the product label)**	**$9,800 per home**

Supporting documentation:

- Paid invoice. Invoice must be paid in full, as indicated by a $0 balance owing, proof of payment, etc.

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Home Energy Upgrade Incentives

ENVELOPE MEASURES

Advanced Programmable Thermostat

Incentive requirements:

- The advanced programmable thermostat must be Energy Star® certified and appear on the qualifying products list.

Upgrade	Efficiency requirements	Incentive maximum
Advanced programmable thermostats	**Energy Star® certified programmable thermostat**	**$200 per programmable thermostat unit; Maximum $600 per home**

Supporting documentation:

- Paid invoice. Invoice must be paid in full, as indicated by a $0 balance owing, proof of payment, etc.

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Home Energy Upgrade Incentives

HEAT PUMPS

Heat Pump Maintenance (beyond standard warranty)

Incentive requirements:

- Eligible costs include heat pump general annual servicing (filter replacement, routine maintenance, etc.), as well as significant maintenance or repairs for heat pumps that are non-functional.
- Please contact CEDR staff to discuss this incentive further at cedr@nrtf.ca

Upgrade	Efficiency requirements	Incentive maximum
Heat Pump Maintenance	**Subject to prior approval**	**$375**

Supporting documentation:

- Paid invoice. Invoice must be paid in full, as indicated by a $0 balance owing, proof of payment, etc.

Home Energy Upgrade Incentives

HEAT PUMPS

Air Source Heat Pumps

Incentive requirements:

- The new heat pump must:
  - Be sufficiently sized to function as the primary heating system for the home.
  - Serve a main living area (e.g., family room, living room, open-concept kitchen-living room).
  - Have an AHRI certified reference number that references all components of the heat pump.
  - Be listed as a qualifying system on the qualified heat pumps list.
  - Be installed in accordance with the Heat Pump Best Practices Installation Guide for Existing Homes.
- Replacing an existing heat pump or adding a head to an existing heat pump are not eligible.
- Emergency replacement of broken electrical systems is not eligible.
- Heat pumps with a maximum static pressure of less than 0.6" Water Column (WC) are considered ductless mini-split or ductless multi-split systems.
- All upgrades must be installed by a licensed contractor with a GST number and a valid B.C. business license for the trade applicable to the upgrade being installed (e.g., heat pumps must be installed by a licensed heating and cooling contractor). Self-installations are not eligible. It is recommended to have the installation completed by a Home Performance Contractor Network (HPCN) member.
- Routine heat pump maintenance is important, please note the CEDR Program's heat pump maintenance incentive for both annual servicing and significant repairs.

Heat Pump Type	Efficiency requirements	Incentive maximum
Ductless mini-split heat pump Serves one zone	○ SEER1 ≥ 16, HSPF1 ≥ 10 (Region IV) or ○ SEER2 ≥ 15.2, HSPF2 ≥ 8.5 (Region IV) ○ Variable speed compressor ○ Minimum capacity of 12,000 BTU (1 ton) ○ Eligible homes must be 1,200 sq. ft. or less	$17,000 per home
Ductless multi-split heat pump Serves multiple zones	○ SEER1 ≥ 16, HSPF1 ≥ 10 (Region IV) or SEER2 ≥ 15.2, ○ HSPF2 ≥ 8.5 (Region IV) ○ Variable speed compressor ○ Minimum capacity of 12,000 BTU (1 ton) ○ Must install a minimum of two indoor head units	$17,000 per home
Central ducted heat pump (Tier 2) Serves multiple zones	○ SEER1 ≥ 16, HSPF1 ≥ 10 (Region IV) or SEER2 ≥ 15.2, ○ HSPF2 ≥ 8.5 (Region IV) ○ Variable speed compressor ○ Minimum capacity of 12,000 BTU (1 ton)	$19,000 per home

Supporting documentation:

- Paid invoice. Invoice must be paid in full, as indicated by a $0 balance owing, proof of payment, etc.

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Home Energy Upgrade Incentives

HEAT PUMPS

Ground-source Heat Pumps

Incentive requirements:

- System capacity must be ≤ 40 kW
- Direct expansion (DX), water-to-water, and brine-to-water systems are not eligible.
- For details on eligible heat pumps, please see the eligible products list.
- Routine heat pump maintenance is important, please note the CEDR Program's heat pump maintenance incentive for both annual servicing and significant repairs.

Heat Pump Type	Efficiency requirements	Incentive maximum
Open systems	**Heating COPh ≥ 3.6 with 10°C entering water** **Cooling COPc ≥ 4.75 with 15°C entering water**	**$12,000 per home**
Closed loop systems	**Heating COPh ≥ 3.1 with 0°C entering water** **Cooling COPc ≥ 3.93 with 25°C entering water**	**$12,000 per home**

Supporting documentation:

- Paid invoice. Invoice must be paid in full, as indicated by a $0 balance owing, proof of payment, etc.

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Home Energy Upgrade Incentives

HEAT PUMPS

Heat Pump Water Heater

Incentive requirements:

- The existing water heater being replaced must be the primary water heater.
- Emergency replacement of a broken electric heat pump water heater or existing electric heat pump water heater is not eligible.
- Eligible systems are listed as Tier 2 or higher on Northwest Energy Efficiency Alliance (NEEA) qualified products list.
- It is recommended that all installations be completed by a licensed contractor with a GST number and a valid B.C. business license for the trade applicable to the upgrade being installed; e.g., heat pump water heaters must be installed by a licensed heating and cooling contractor and/or plumber. Self installations are not eligible.

Heat Pump Type	Efficiency requirements	Incentive maximum
Electric heat pump water heater	**Tier 2 or higher on NEEA's Advanced Water Heater Specification Qualified Products List for Heat Pump Water Heaters.**	**$4,500 per home**

Supporting documentation:

- Paid invoice. Invoice must be paid in full, as indicated by a $0 balance owing, proof of payments, etc.

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Home Energy Upgrade Incentives

Appliance Upgrades

Refrigerators

Incentive requirements:

- The existing refrigerator being replaced must be manufactured in 2008 or earlier. Click here to learn how to verify the age of the existing unit.
- Existing refrigerators must be removed from the premises upon delivery of the replacement refrigerator.
- The replacement refrigerator must be Energy Star® certified and listed on the qualifying product list.

Appliance upgrade	Efficiency requirements	Incentive maximum
Refrigerator	Energy Star® certified refrigerator	$1,000 per home

Supporting documentation:

- Paid invoice. Invoice must be paid in full, as indicated by a $0 balance owing, proof of payments, etc.
- Invoices/receipts must include the make and model number of the refrigerator installed for each address where work was completed.

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Home Energy Upgrade Incentives

Appliance Upgrades

Chest Freezers

Incentive requirements:

- The existing chest freezer being replaced must be manufactured in 2008 or earlier. Click here to learn how to verify the age of the existing unit.
- Existing freezers must be removed from the premises upon delivery of the replacement refrigerator.
- The replacement freezer must be Energy Star® certified and listed on the qualifying product list.

Appliance upgrade	Efficiency requirements	Incentive maximum
Chest Freezer	Energy Star® certified chest freezer	$500 per home

Supporting documentation:

- Paid invoice. Invoice must be paid in full, as indicated by a $0 balance owing, proof of payments, etc.
- Invoices/receipts must include the make and model number of the refrigerator installed for each address where work was completed.

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Home Energy Upgrade Incentives

Appliance Upgrades- Product Rebate Requirements

VERIFYING THE AGE OF THE EXISTING FRIDGE/FREEZER

1. **Look for the manufacturer's label** - this is usually a metal badge/plate or paper sticker.

- The label will show the model # and serial #, and year/date of manufacture (on newer models).
- The location of the label varies but is usually found on the back or inside near the top or on the kick panel inside the lower door.

2. **If the label doesn't indicate the age** - you can search for the age of the unit with the make, model, and serial # using the search tool here.

3. **If there's no manufacturer's label/badge, look for these visual clues** which can indicate age of the unit:

- Colour (brown, gold, green)
- Presence of flexible fiberglass insulation
- R-12 refrigerant in unit (as noted on manufacturer label)
- Unit uses SO2 (sulphur dioxide)
- Thermostat controls located at rear of the unit (outside)