

B2E Project Fund

SUMMARY OF PROJECTS

Last updated: October 2025



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B2E

Building to
Electrification
Coalition

To date, the B2E fund has generated **\$1.3M in project value** across 22 projects.

Projects on average receives \$20,000 of investment with an **average leverage of 2:1**

Projects on average collaborates with 2 additional Project Partners

Total Project Value	B2E Invested	Co-Funding	No of Projects
\$1,298,725	\$458,325	\$835,400	22
Leverage Average (#:1)	Invested Avg	Co-Fund Avg	Avg No of Partners
1.8	\$20,833	\$37,973	1.9 Partners

2025 Projects

Project Title	Air to Water Heat Pump Lab: Scaling Workforce, Accelerating Adoption			Funding Year	2025
Project Lead	BC Institute of Technology (BCIT)		Project Partners	City of Vancouver, BC Hydro	
B2E Grant Amount	\$30,000	Identified Co-Funding	\$62,500	Leverage Ratio	1:2
B2E Priority Area	EIC, Tech	Project Length	5 months	Project Type	Technology; Education

Description	This project aims to accelerate the adoption of small residential cold-climate monoblock AWHPs by developing comprehensive, code-aligned training and demonstration resources. It will address the significant gap in industry knowledge and workforce capacity regarding the design and installation of small residential monoblock air-to-water heat pump (AWHP) systems that hinder the adoption of electrified heating, cooling, and domestic hot water solutions, particularly in retrofits and new constructions aiming to meet Zero Carbon Step Code and Highest Efficiency Equipment Standards.
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Files for Sharing [Hyperlink to project deliverables once available](#)

Project Title

Pathways to Fair Utility Cost
Allocation in Rental Electrification

Funding Year

2025

Project Lead

Landlord BC LANDLORDBC

Project Partners

FRESCo

B2E Grant
Amount

\$20,000

Identified Co-
Funding

\$30,000

Leverage Ratio

1:1

B2E Priority
Area

Tech, ABC

Project Length

10 months

Project Type

Policy & Regs

Description

This project will explore practical and long-term pathways to support fair and transparent in-suite electrification in rental buildings. It will identify interim solutions—like ways to install heat pumps without shifting utility costs to tenants, better frameworks for sharing costs when shifts do happen, and clearer communication tools for tenants and landlords. It will also look ahead to policy changes and new tools that can help estimate and manage utility costs more fairly over time.

Files for Sharing [Hyperlink to project deliverables once available](#)



Project Title

Roof Top Unit (RTU) Heat Pump Retrofits – Contractor Capacity Building Roadmap

Funding Year

2025

Project Lead

City of Vancouver



Project Partners

BC Retrofit Accelerator

B2E Grant
Amount

\$15,000

Identified Co-
Funding

\$30,500

Leverage Ratio 1:2

B2E Priority
Area

EIC, Tech

Project Length 6 months

Project Type Policy & Regs

Description

This project will provide a landscape assessment and practical roadmap to normalize and scale heat pump RTU retrofits, and provide clear actions to the City of Vancouver to build contractor capacity for installing them at scale. To address contractor barriers, enable forthcoming RTU regulations, and accelerate market transformation, a clear understanding of existing contractor heat pump RTU training and exposure is needed. The roadmap will include high-leverage interventions that will most effectively support capacity-building.

Files for Sharing [Hyperlink to project deliverables once available](#)

Project Title			Best Practices for Utility Clearance in Infill Electrification		Funding Year		2025		
Project Lead		Small Housing BC		small housing		Project Partners		BC Hydro, City of Vancouver	
B2E Grant Amount		\$30,000		Identified Co-Funding		\$20,000		Leverage Ratio 1:1	
B2E Priority Area		Tech		Project Length		12 months		Project Type Policy & Regs; Education	
Description		This project’s objective is to reduce regulatory and infrastructure barriers that delay or prevent electrification of infill at large and small-scale multi-unit housing (SSMUH) across BC. The project will target 6–10 municipalities, representing the range of utility governance models and regional diversity in BC. This project will accelerate adoption and market preparedness of BC’s Zero Carbon Step Code and provincial electrification-related standards by removing non-technical regulatory barriers that currently limit infill housing electrification.							
Files for Sharing		Hyperlink to project deliverables once available							

Project Title	Ultra-Low GWP Heat Pump Combi Systems: Technology and Design Guide			Funding Year	2025
Project Lead	Whole Systems Energy Consulting 	Project Partners		Small Planet Supply, Technical Safety BC, CANMET Energy	
B2E Grant Amount	\$30,000	Identified Co-Funding	\$3,451	Leverage Ratio	0
B2E Priority Area	Tech	Project Length	8 months	Project Type	Technology; Education
Description	The objective of this project is to accelerate the adoption of low-GWP hydronic heat pump systems for combined space and domestic hot water heating in residential buildings, including multifamily. The project will address market barriers by building industry knowledge, design confidence, and policy alignment, and support policymakers and program designers by demonstrating how low-GWP combi systems align with climate objectives and code requirements. The project will build capacity for widespread, electrification-ready deployment across BC.				
Files for Sharing	Hyperlink to project deliverables once available				

Project Title			Addressing Barriers to Low-Carbon Codes & Standards Adoption in Manufactured Homes		Funding Year		2025				
Project Lead		Ecotrust Canada				Project Partners		N/A			
B2E Grant Amount		\$30,000		Identified Co-Funding		\$30,000		Leverage Ratio		1:1	
B2E Priority Area		Tech, ABC		Project Length		12 months		Project Type		Codes, Regulations, & Education	
Description		This project will help to catalyze a pilot project to electrify a manufactured home (MH) park by identifying and addressing technological barriers, building capacity among park owners, and demonstrating that full electrification is possible through the use of currently sized equipment and advanced demand-side management (DSM) strategies including load sharing and management. This project will help to ensure successful adoption of the Zero Carbon Step Code and Highest Efficiency Equipment Standards, by addressing barriers to codes and standards adoption for manufactured homes.									
Files for Sharing		Hyperlink to project deliverables once available									

2024 Projects

Project Title	Advancing decarbonization and safe indoor temperatures in rental buildings			Funding Year	2024
Project Lead	Ecotrust Canada		Project Partners	REFBC, Vancouver Foundation	
B2E Grant Amount	\$20,000	Identified Co-Funding	\$120,000	Leverage Ratio	6:1
B2E Priority Area	ABC	Project Length	11 months	Project Type	Codes & Regs

Description	Building on existing research on policy pathways to addressing tenants’ energy rights, this project will be to assist municipal and provincial governments to implement policies that are specifically targeted toward preserving a safe indoor environment for occupants of rental buildings, while encouraging electrification of space heating and cooling as a cost-effective compliance pathway.
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Project Title	Worker Owned HVAC Business Model			Funding Year	2024
Project Lead	Solid State	 SOLID STATE COMMUNITY INDUSTRIES	Project Partners	Kambo, HPSC, BC Hydro, Birch Consulting,	
B2E Grant Amount	\$25,000	Identified Co-Funding	\$50,000	Leverage Ratio	2:1
B2E Priority Area	EIC	Project Length	10 Months	Project Type	Service Delivery

Description	This project will assess the potential for a worker-owned HVAC business model to address a multitude of reasons that prevent diverse workforces to enter or switch into the HVAC sector. From a worker attraction perspective, a worker-owned model could increase workplace equity and inclusiveness, reduce barriers (such as entry for training and starting a business), and provide a clear career pathway to a well-paying job. The project will also assess the potential for the model to reduce installation costs. If successful, the expanded workforce and reduced costs for consumers will drive an increase in heat pumps installations in BC.				
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Project Title		Accelerating Cost-Effective Electrification – Window Mounted HPs				Funding Year		2024			
Project Lead		FRESCo 		Project Partners		LandlordBC, BC Hydro, Midea					
B2E Grant Amount		\$30,000		Identified Co-Funding		\$109,000		Leverage Ratio		4:1	
B2E Priority Area		Tech		Project Length		12 Months		Project Type		Technology	

Description

This project aims to test the viability and create a roadmap to enable the rapid acceleration of window-saddle heat pumps in BC buildings (and homes).

Project Title	Demystifying Electrical Capacity and Servicing Sizing: Training and Pilot			Funding Year	2024
Project Lead	CACEA		Project Partners	BCIT, Riverside Energy Systems, Volta Research, CanmetENERGY	
B2E Grant Amount	\$30,000	Identified Co-Funding	\$30,000	Leverage Ratio	1:1
B2E Priority Area	EIC	Project Length	12 Months	Project Type	Education, Social Mobilization

Description This project aims to reduce the perceived challenges to electrification and build capacity. (Capacity = less demand on the grid, more informed service providers, and increased building electrification). It will break down silos between Energy Advisors (EAs), contractors, builders, and homeowners to address electrical needs early in project planning for electrification and reduce unnecessary upgrades or inefficient equipment installations.

Project Title				HVAC Design Packages for BC Standardized Housing		Funding Year		2024			
Project Lead				TECA 		Project Partners		BC Hydro			
B2E Grant Amount		\$15,000		Identified Co-Funding		\$15,000		Leverage Ratio		1:1	
B2E Priority Area		EIC, ABC		Project Length		10 Months		Project Type		Technology, Education	

Description

The project aims to provide detailed HVAC design packages for BC’s standardized housing catalogue. By offering pre-designed, efficient HVAC calculations and detailed plans, this project will reduce construction costs, improve energy efficiency, and help scale building electrification across the province. It aligns with B2E priorities by reducing barriers to electrification through the provision of standardized, cost-effective designs that builders can easily adopt.

Project Title	Retrofit! Community Festival			Funding Year	2024
Project Lead	City Green		Project Partners	NRCan + Capital Regional District	
B2E Grant Amount	\$14,500	Identified Co-Funding	\$ 30,500	Leverage Ratio	2:1
B2E Priority Area	ABC	Project Length	8 Months	Project Type	Education, Social Mobilization

Description

The Energy Efficiency Conference Pilot (later named the Retrofit! Community Festival) is an initiative aimed at connecting experts, educators, and homeowners in-person to provide real-world, relatable information regarding home energy efficiency upgrades without the pressure of a sales environment.

The project includes the development and pilot of a homeowner-focused education event. This community-focused, grassroots-inspired initiative is designed to increase awareness, deepen understanding, and assess real world perceptions of home upgrades.

2023 Projects

Project Title	Induction Eats			Funding Year	2023
Project Lead	ZEIC		Project Partners	BC Hydro, City of Vancouver, City of Victoria, Midland Appliance	
B2E Grant Amount	\$ 20,000	Identified Co-Funding	\$ 66,000	Leverage Ratio	3:1
B2E Priority Area	ABC	Project Length	10 months	Project Type	Social Mobilization

Description This project involved the development of a multi-tactic campaign that exposed homeowners, renters, builders, and designers to induction cooking using local chefs as campaign champions and spokespeople. Tactics employed included the development of a digital cookbook, a social media campaign, a giveaway contest, an in-store discount on induction products, and a live cooking demonstration event.

Project Title

Part 3 Electric Building Database
with Case Studies

Funding Year

2023

Project Lead

[Open Technologies](#)



Project Partners

ZEIC

B2E Grant
Amount

\$ 18,150

Identified Co-
Funding

\$ 15,000

Leverage Ratio

1:1

B2E Priority
Area

ABC

Project Length

10 Months

Project Type

Service Delivery

Description

The project used the Building Benchmark BC platform as a central repository for decarbonization/electrification case studies for Part 3 buildings across BC. These case studies are short and easy to add to the site, reduce friction, and can link to fuller case studies on external sites. Ten case studies were added to the site, many of which are also disclosing energy and emissions data.

Files for Sharing

<https://grid.opentech.eco/orgs/buildingbenchmarkbc/viz>



Project Title	Grant to Attend BDA Forum			Funding Year	2023
Project Lead	ZEIC		Project Partners		
B2E Grant Amount	\$ 15,000	Identified Co-Funding	\$ 0	Leverage Ratio	0
B2E Priority Area	ABC, EIC, and Tech	Project Length	4 Months	Project Type	Education

Description The first National Building Decarbonization was hosted in the fall of 2023 in Ottawa. To support B2E members in their ability to attend the conference, grants were offered to applicants who demonstrated a funding need to attend. This grant supported four B2E members to attend and participate in activities at the Forum, as well as share learnings with the B2E network in a webinar.

Project Title

State of Electrification Presentation

Funding Year

2023

Project Lead	Bright Future Studio		Project Partners	BC Hydro + City of Victoria
B2E Grant Amount	\$ 7,450	Identified Co-Funding	\$ 14,500	Leverage Ratio 2:1
B2E Priority Area	ABC	Project Length	3 Months	Project Type Education

Description

This project delivered a slide presentation with speaking notes for B2E network members to utilize in their own communications and events. The presentation content included available solutions and regulatory signals to support contractors, owners, and building managers in their building decarbonization journeys, while answering their largest questions about electrification.

2022 Projects

Project Title

MURB Electrification Ready Plan Framework

Funding Year

2022

Project Lead

[FRESCO](#)



Project Partners

BC Hydro

B2E Grant Amount

\$ 20,000

Identified Co-Funding

\$ 7,000

Leverage Ratio

1:3

B2E Priority Area

Tech

Project Length

3 Months

Project Type

Codes & Regs

Description

This project identified options, opportunities and benefits of integrating and/or aligning Electric Vehicle Supply Equipment (EVSE), energy efficiency, load management, and building electrification programs and incentives. The recommended five phase process from planning to implementation could be followed by program providers to ensure MURB electrification projects are supported through implementation. A series of recommendations for policy makers was provided through the report.

Files for Sharing

https://b2electrification.org/sites/b2electrification.org/files/posts/MURB%20Electrification%20Ready%20Plan%20Framework_Report.pdf



Project Title

MURB In-Suite Electrification Without Panel Upgrades

Funding Year

2022

Project Lead

[FRESCo](#)



Project Partners

BC Hydro

B2E Grant
Amount

\$ 20,000

Identified Co-
Funding

\$ 15,000

Leverage Ratio

1:1

B2E Priority
Area

Tech

Project Length

5 Months

Project Type

Service Delivery

Description

This research project investigated regulatory barriers and technology constraints and opportunities to enable the adoption of electrification without requiring costly electrical upgrades. The project included load management strategies, building level assessments, and code requirements for energy management systems.

Files for Sharing <https://b2electrification.org/murb-suite-electrification-panel-management-and-load-diet>



Project Title

Commercial Building Electrification Guide

Funding Year

2022

Project Lead

[SES Consulting](#)
[First Light Energy](#)



Project Partners

BC Hydro, City of Vancouver, and
Metro Vancouver

B2E Grant
Amount

\$ 20,000

Identified Co-
Funding

\$ 80,000

Leverage Ratio 4:1

B2E Priority
Area

Tech

Project Length 24 Months

Project Type Service Delivery,
Education

Description

This project supports the knowledge and competence of the engineering consultant community to undertake electrification retrofits. The best practice guide creates clarity around the process of electrification retrofits to facilitate the scale and speed of market transformation required to address the climate emergency and transition to a low carbon economy. The guide has received positive attention from national organizations with interest to improve future iterations while expanding audiences.

Files for Sharing <https://b2electrification.org/b2e-commercial-building-electrification-guide>



Project Title

Heat Pump Installer Training Pathways

Funding Year

2022

Project Lead

[City Green](#)



Project Partners

B2E Grant Amount

\$ 8,225

Identified Co-Funding

\$ 0

Leverage Ratio

0

B2E Priority Area

EIC

Project Length

4 Months

Project Type

Education

Description

This research and design project reviewed residential heat pump training opportunities to support installers in increasing their knowledge and practical skills. The project provided pathways for new entrants to the field, and mid-career gas technicians to become quality heat pump installers. An infographic targeted to the contractor community was developed and shared at industry events, such as the Home Performance Contractor Forum.

Files for Sharing

<https://b2electrification.org/residential-heat-pump-installer-training>



Project Title	Climate-Friendly Homes Tour			Funding Year	2022
Project Lead	Community Energy Association 		Project Partners	BC Hydro, Vancity, City of Vancouver	
B2E Grant Amount	\$ 20,000	Identified Co-Funding	\$ 55,000	Leverage Ratio	3:1
B2E Priority Area	ABC	Project Length	10 Months	Project Type	Social Mobilization

Description

A province-wide residential home tour, featuring heat pumps and other electrification measures, was developed and launched in 2023. The project involved developing the concept, promotional materials, organization committee guidance, and a website that included a live map, interested community members were able to sign up for the tour and visit homes that were built with or undertook retrofit projects. Forty-six homes in ten communities participated in the first year, and the initiative is planning a second event in 2025.

Files for Sharing <https://climatefriendlyhometour.ca/about/>

Project Title

Domestic Hot Water Pilot

Funding Year

2022

Project Lead

[City of Vancouver](#)



Project Partners

BC Hydro + ZEIC

B2E Grant Amount

\$ 20,000

Identified Co-Funding

\$ 52,000

Leverage Ratio

2.5:1

B2E Priority Area

Tech

Project Length

12 Months

Project Type

Technology

Description

This pilot utilized the NearZero program to understand the homeowner and contractor processes involved in replacing a gas-fired water heater with an electric model. Participants received financial support for providing information about the steps they took to undertake the project, challenges they faced, and their interactions with contractors. A total of ten projects were completed, and data was gathered from additional projects that did not complete in the project timeframe. Policy and program recommendations were delivered to project partners.

Files for Sharing <https://nearzero.ca/home/stream-3/>

