



Supporting a Residential Deep Energy Retrofit Pilot Program in Burlington

Delegation to Environment, Infrastructure, and Community Services Committee
Presented by Kate Flynn, Centre for Climate Change Management
Re: Report Number EICS-18-20

September 14, 2020



The Centre for Climate Change Management

OUR VISION

To support the Hamilton-Burlington's transition to a thriving low-carbon economy.



HOW WE WORK

Climate solutions require unprecedented levels of partnership and innovation.

- Serve as a nexus for industry, community, government and academic partners to drive collaboration
- Provide community leadership as a regional hub for climate action and applied research
- Use human-centred systems approach to design and incubate sustainable solutions



HERO Program Research

OUR FOCUS ON HOME ENERGY RETROFITS

98% of homes built in Burlington before 2017 need to be retrofitted to achieve thermal and electrical efficiency savings of >50%.

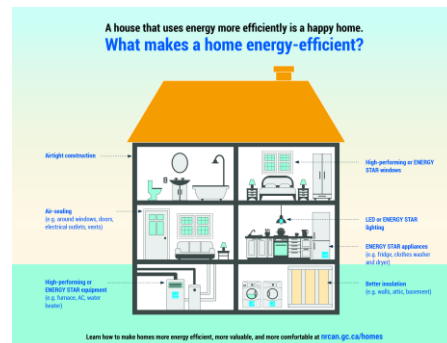
Home Energy Retrofit (HERO) programs represent one of the best opportunities to:

- Reduce greenhouse gas emissions
- Increase home comfort and value
- Realize co-benefits, including cost savings and climate adaptation measures

OUR EXPERTISE

- *Reducing Barriers to Home Energy Retrofit Programs in the Hamilton-Burlington Region (2020)*
- Pembina Institute: Local Government Readiness; Skilling Up for Deep Retrofits
- The Joyce Centre for Partnership and Innovation
- Future of Skilled Trades

Applied in August to The Atmospheric Fund to for a grant to support the development of a "Home Energy Retrofits Delivery Centre"



OUR SUPPORTING ROLE

BACCO PARTNERSHIP

Started in 2017, the Bay Area Climate Change Office is a commitment by the City of Burlington, City of Hamilton and Mohawk College to accelerate climate action through shared resources and expertise.

Think of the Centre as added flexibility, capacity, and expertise.

OUR ROLE IN THIS PROJECT

- Day-to-day project management
- Coordinate collaboration with Humber College, Clean Air Partnership, Bay Area Climate Change Council, energy advisors, and future community partners
- Design the program to meet community needs, through stakeholder research
- Leverage external partnerships and resources where needed
- Incubate the Home Energy Retrofits Delivery Centre in the pilot project phase to develop a *sustainable* business model
- Report to and engage with City staff regularly



DESIGNING THE THE SOLUTION

WE KNOW...

1. One size does not fit all.



2. Solutions must be scalable and flexible.



3. The battle will not be establishing a home energy retrofit program.

The battle will be promoting uptake.



PROJECT PRINCIPLES

A MADE FOR BURLINGTON PROGRAM

- Centers public interest, access and affordability
- Supports and amplifies the work of community organizations, especially in education and outreach activities
- Designs a truly scalable program
 - Support market growth
 - Develop programs for MURBs, heritage homes, vulnerable populations
 - Eventually, support “turn-key” solutions
- Establishes a transparent accountability structures
 - Ensure programs measure and reduce greenhouse gases, reduce costs, and create specific initiatives that support equity and diversity



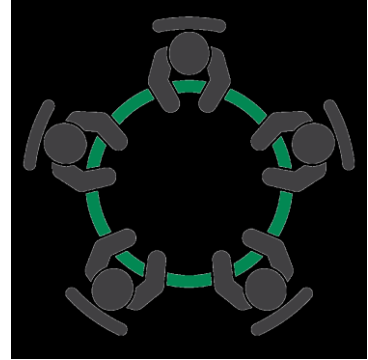
Project Advisory Committee

Members of the **Home Energy Retrofit Implementation Team of the Bay Area Climate Change Council:**

1. Member from Real Estate Association
2. Member from Home Builders Association
3. Building Sciences expert
4. Member from ASHRAE
5. Energy Advisor
6. Resident who has completed a retrofit
7. Climate change communications advocate
8. Affordable housing builder
9. Non-profit advocates
10. BACCC Chair

Ex-officio:

- Representative from City of Burlington
- Representative from City of Hamilton
- BACCC Manager
- BACCC Coordinator



Thank you!
Questions?

