



Durham Greener Homes Program Update

Presentation to Brock Township Committee of the Whole
Meeting

Ian McVey, Manager of Sustainability, Durham Region

June 10, 2024

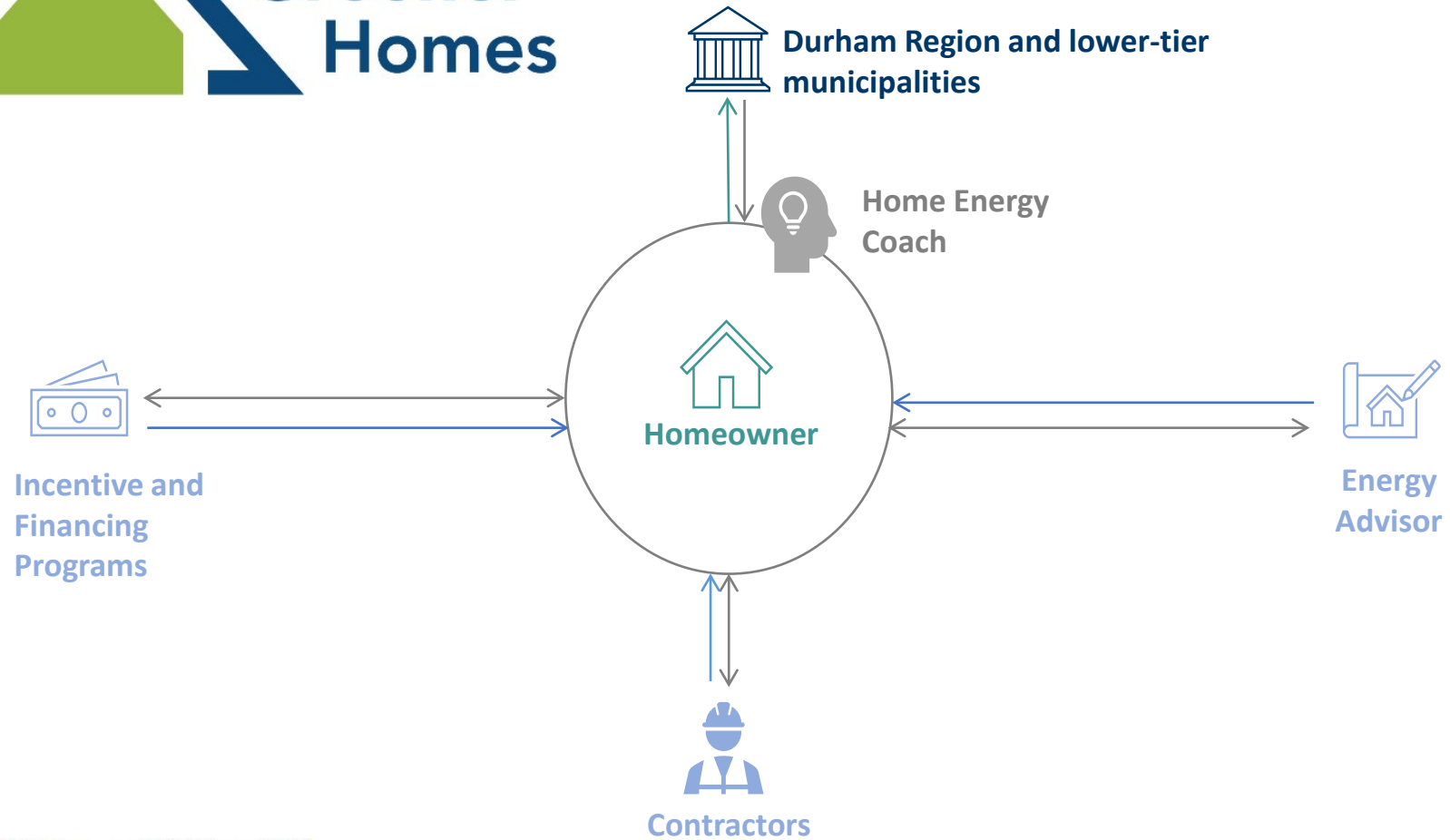
Presentation Overview

- Overview of Durham Greener Homes Program
- Update on 2 years of implementation
- Marketing and Communications
- Incentives
- Upcoming program enhancements:
 - Climate Ready Durham
 - vHeat



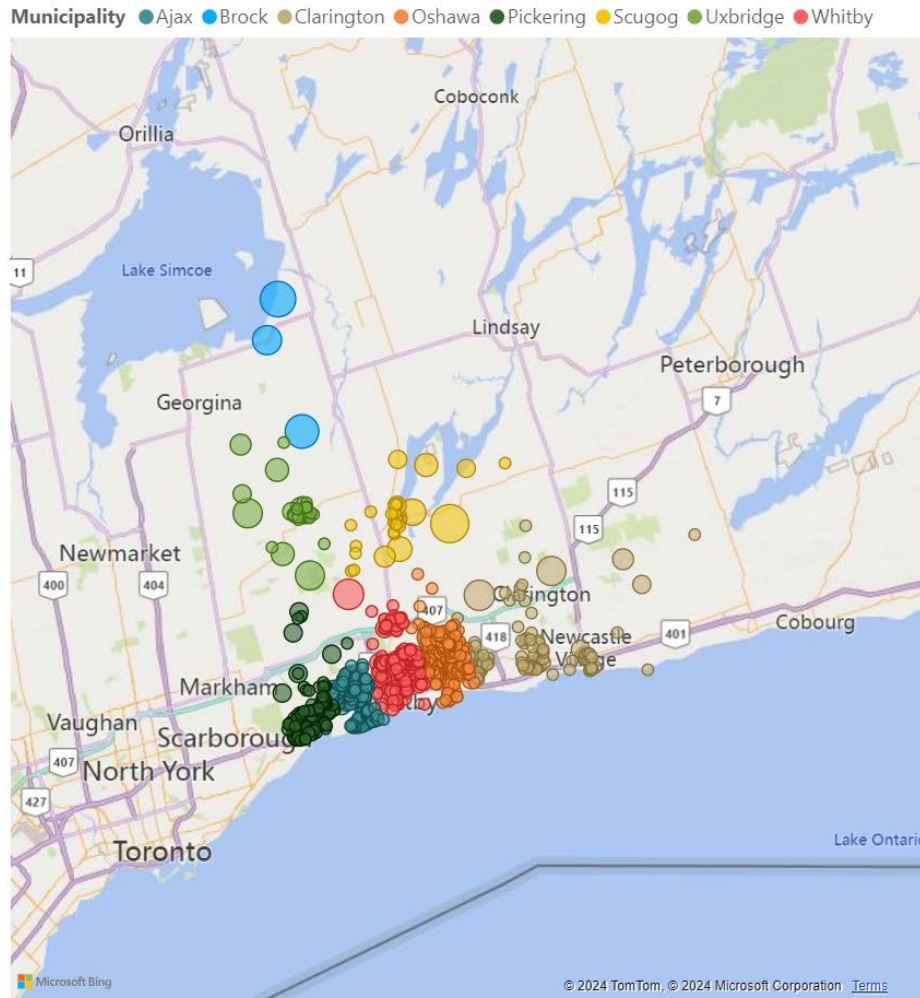


Durham Greener Homes

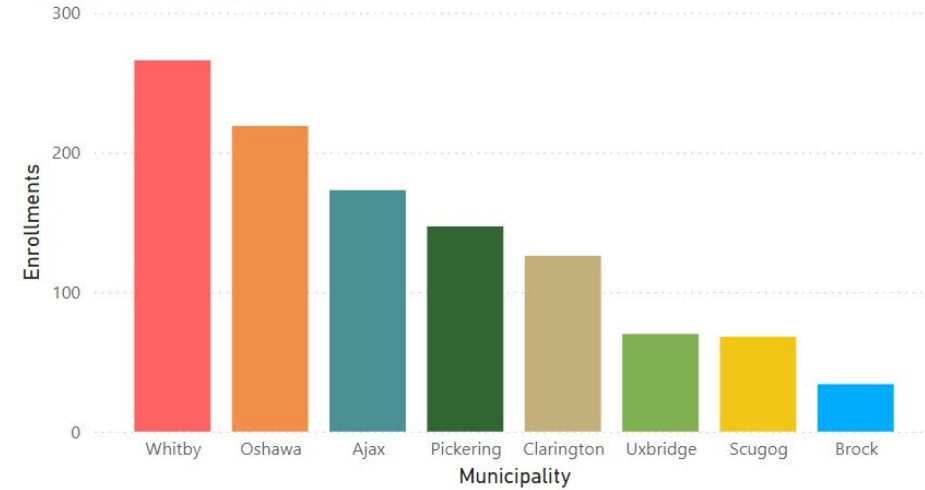


DGH Performance To Date

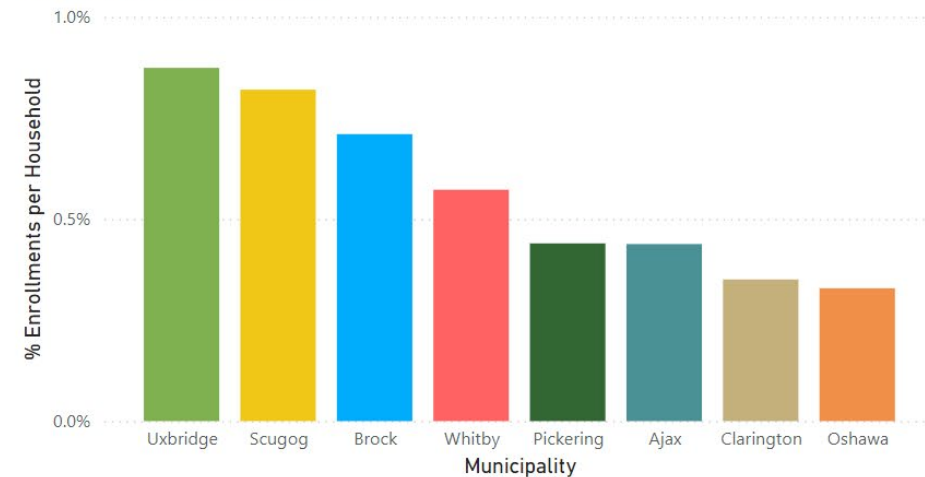
Map of Applicants



Enrollments by Municipality



Enrollments per Household

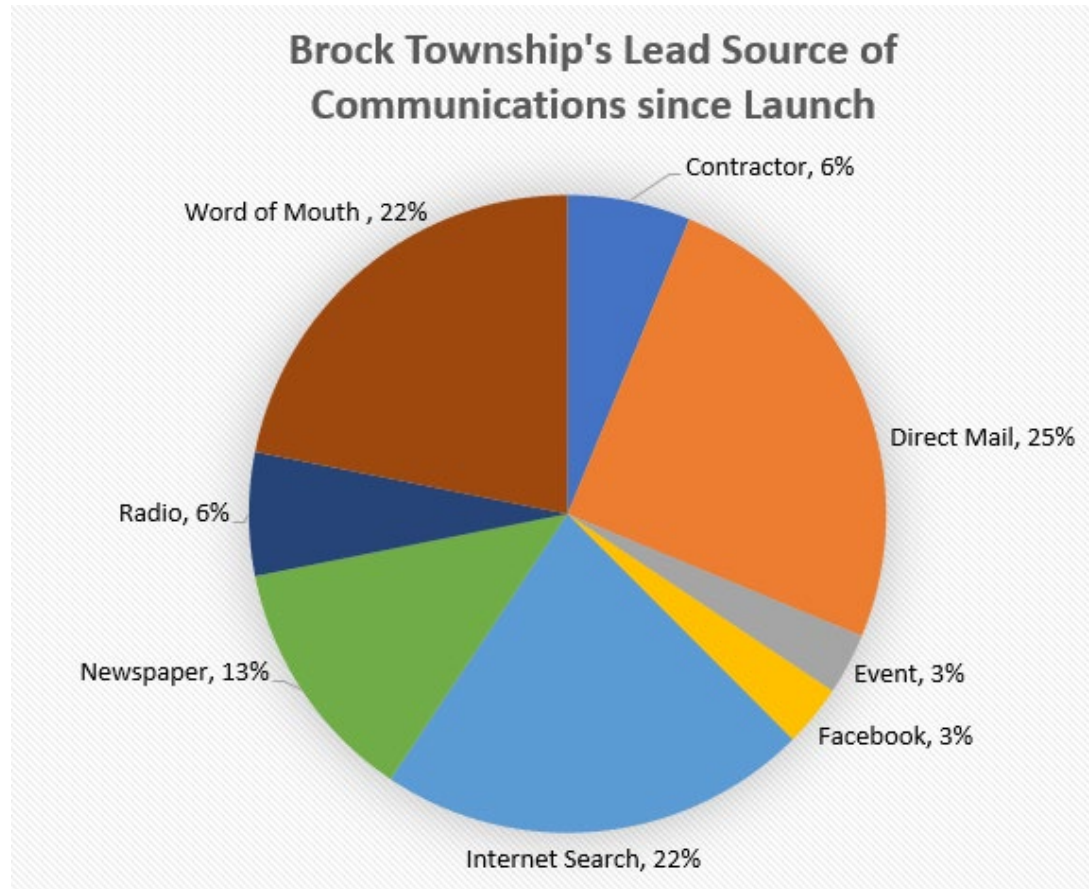




Examples of completed retrofits in Brock Township

Retrofits completed in Brock	Retrofit measures	Energy use % reduction	GHG % reduction
1	Cold climate air source heat pump and air sealing	47%	66%
2	Cold climate air source heat pump with electric back-up	22%	61%
3	Cold climate air source heat pump and electric hot water heater	43%	90%

Marketing and Communications



Coming up:

- Durham Region Water Bill Inserts Q3 2024 to residential sector
- Promotion of testimonial videos
- Newspaper promotion of vHEAT
- Promotion on municipal digital screens
- Continued contractor engagement

Marketing and Communications

Homeowner testimonials



Cindy Lei (Whitby)

Retrofits:
Heat pump, attic insulation, windows.

“ The Durham Greener Homes Energy Coach was the first person I wanted to speak with before I started the process so that I could get a better understanding of how the Durham Greener Homes program worked and what retrofits I needed... ”

[Watch full testimonial »](#)



Jordan Bamforth (Oshawa)

Retrofits:
Heat pump, attic insulation, air handler, windows.

“ I got brand new windows, a new heat pump, new air conditioning, a new air handler, and attic insulation; and I was able to do it all with an interest-free loan, so financially it really made a lot of sense... ”

[Watch full testimonial »](#)



Colin Barfoot (Whitby)

Retrofits:
Solar panels, heat pump, air sealing, patio door, electrical panel upgrade, EV charger.

“ I spoke with the Energy Coach, and she helped me understand what the program would cover and the purpose of getting a large greenhouse gas savings... ”

[Watch full testimonial »](#)



New Deep Energy Retrofit Incentive

Description:

An incentive for reducing energy use (GJ/year rating) by 50% or greater between modelled results from pre- and post-retrofit EnerGuide evaluations.

Durham Region is offering between \$2,500 and \$5,000 per project.

Energy reduction percent	Deep Energy Retrofit Incentive
50%	\$2,500
70%	\$3,500
90%	\$4,500
100%	\$5,000



Climate Ready Homes – DGH enhancement

Goal:

Help Durham residents increase their home's flood and climate readiness through **risk awareness, expert advice, and incentives**. Collective effort facilitated by Durham Region in partnership with local area municipalities, conservation authorities, landscape industry and community partners.

Objectives/Outcomes:

- **Increased awareness** about flood and other climate-related risks at individual properties, connection to available resources
- **Increased action** on lot-level climate resilience measures such as flood protection, stormwater management (LID), water efficiency, green infrastructure
- **Strategic design** to reach those most at risk or vulnerable, informed by local targeted priority areas and tailored communications
- **Landscape/building industry** training to support resilience and green infrastructure skills building
- **Integrated delivery** and cross-promotion of several programs (GHP, emergency, heat stress)

Program Framework and Components

Home Assessments

Design and
Installation
Incentives

Industry Training
and Certification

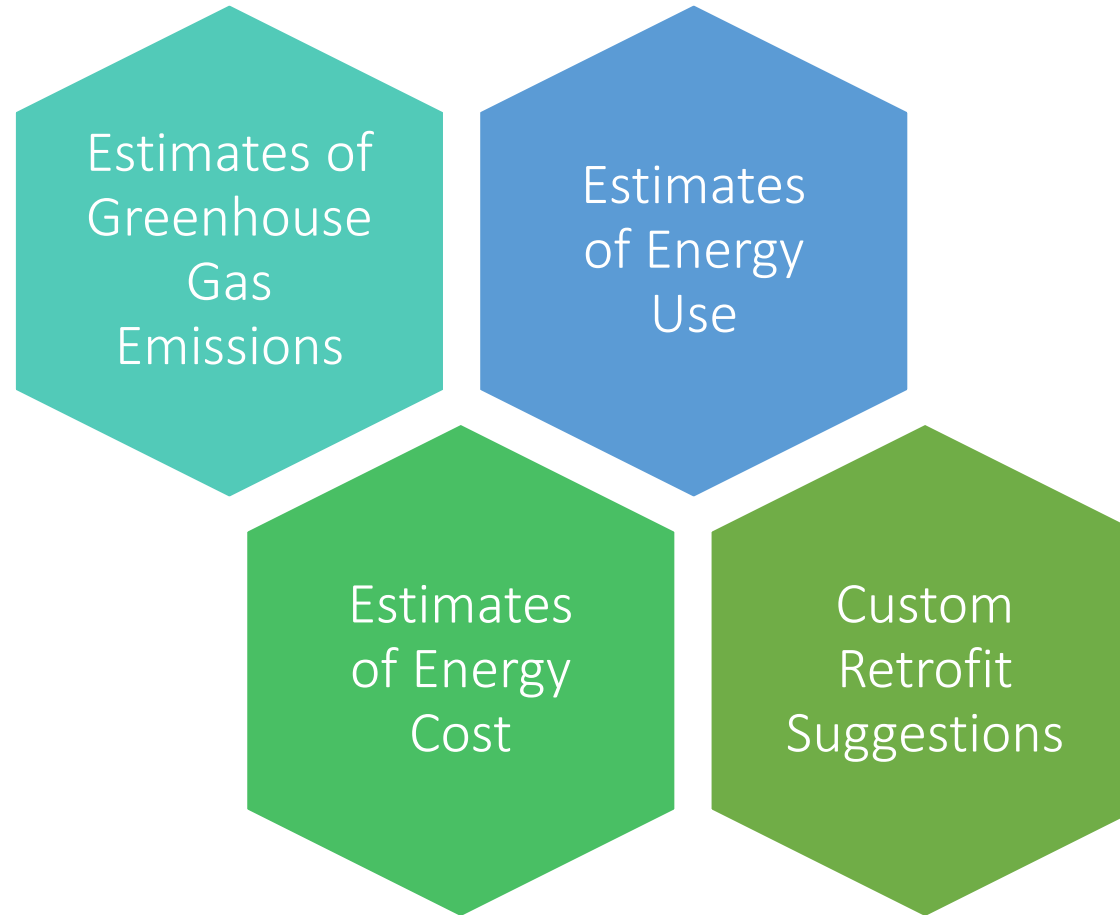
Targeted
Communication,
Engagement and
Partnerships

Virtual Home Energy Audit Tool

- Funded by Natural Resources Canada, the project aims to build awareness of home energy efficiency and promote green retrofits.
- Machine learning model built using data from on-site energy evaluations.
- An energy rating has been assigned to each single-family home within Durham Region



Virtual Home Energy Audit Insights



✓ Home Type

✓ Home Exterior

✓ Heating

✓ Insulation

Heating

Heat Sources

HEAT PUMP

Air ▼

BACKUP SPACE HEATING FUEL TYPE

Electricity 

Wood 

Natural Gas 

Oil 

Propane 

WATER HEATER FUEL TYPE

Electricity 

Natural Gas 

Oil 

Propane 


WATER HEATING UPGRADES

No Yes

BACKUP HEAT SOURCE UPGRADED

No Yes

← BACK

 Energy efficiency upgrade opportunities

Good news! So far we have identified opportunities to improve your home's efficiency. Complete your application to learn more.

4

NEXT →



18 Beadle Dr

Ajax
Municipality

2007
Year Built

Two storeys
Storeys

Natural Gas
Estimated Fuel Type

Single Detached
Type of House

L1S7P1
Postal Code

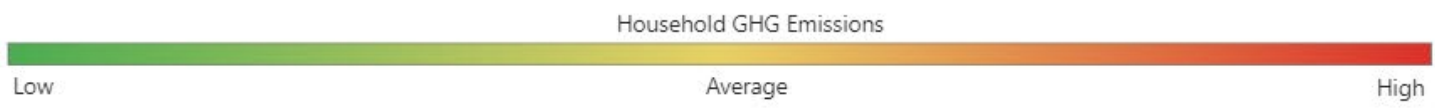
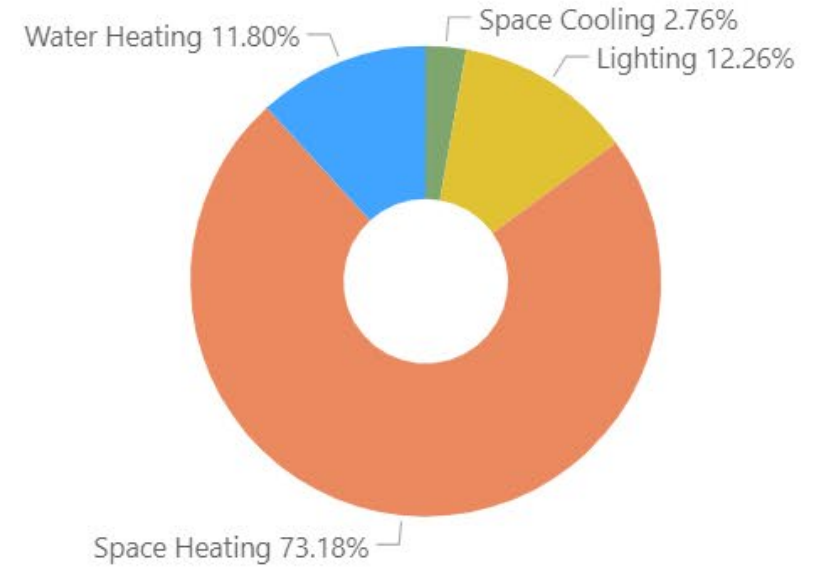
9.67
Yearly Greenhouse Gas Emissions

9.9
Average GHG emissions of Homes in Ward

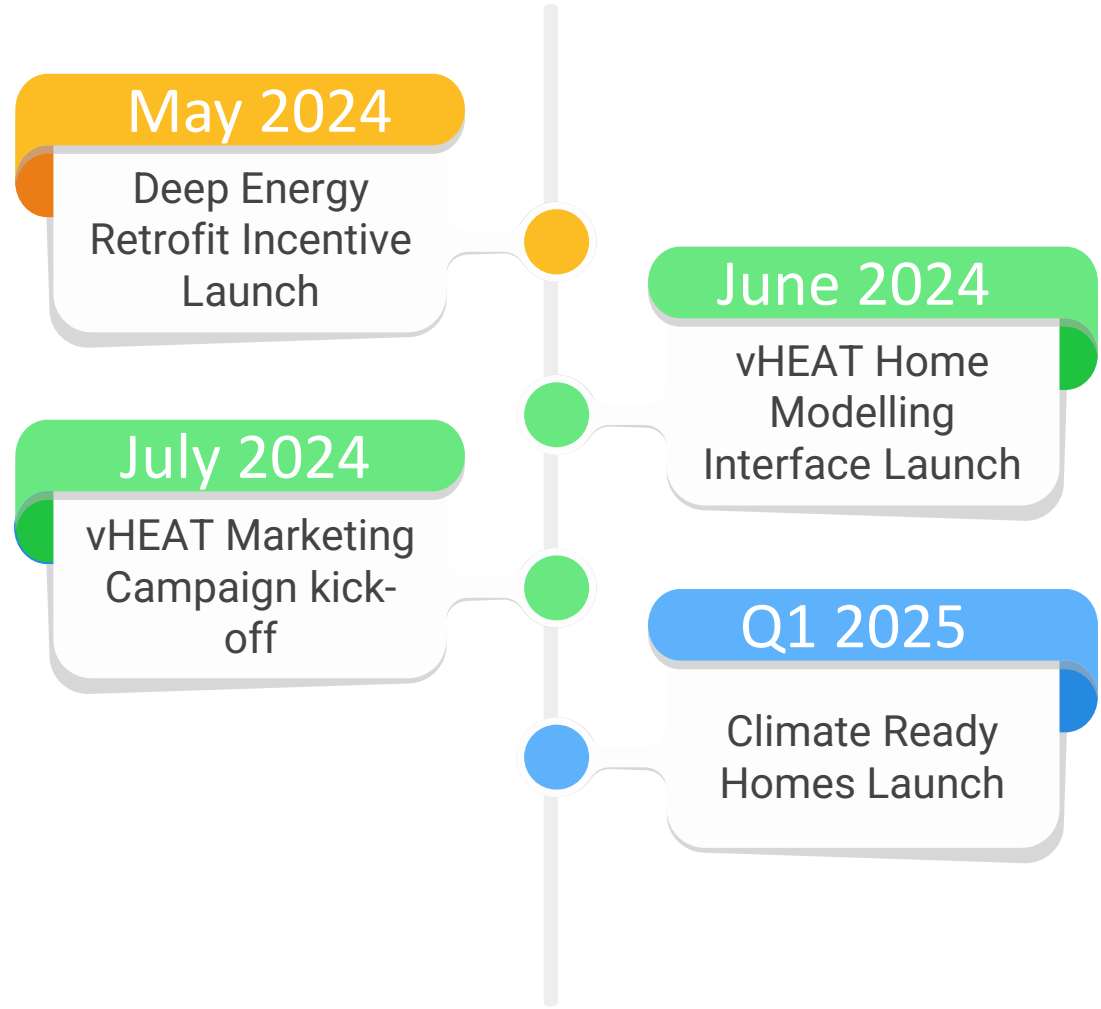
209
Yearly Energy Use

214.43
Average Energy Use of Homes in Ward

Energy Consumption Breakdown for Current Address



Durham Greener Homes 2.0 Timeline





Thank You! Questions?

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Initiatives

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