



Durham Greener Homes Program

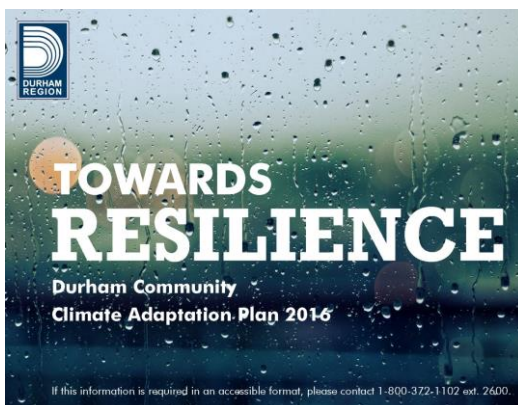
Ian McVey, Manager of Sustainability, Office of the Chief Administrative Officer

Building Knowledge Canada Spring Camp – April 25th, 2022

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Durham's Climate Action Plans



DURHAM
 COMMUNITY
ENERGY
PLAN

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What is Durham Greener Homes?

*“The Regional Municipality of Durham is establishing a **residential energy retrofit program** to stimulate homeowner demand for energy efficiency-related home renovations.*

The Program is one of six priority programs critical to achieving the Durham Community Energy Plan (DCEP) Low Carbon Pathway.”



Figure 21: Percent emissions by sector 2020

Image source: The Atmospheric Fund (2021). *Reality Check: Carbon Emissions Inventory for the GTHA*. Available online: <https://taf.ca/gtha-carbon-emissions/>

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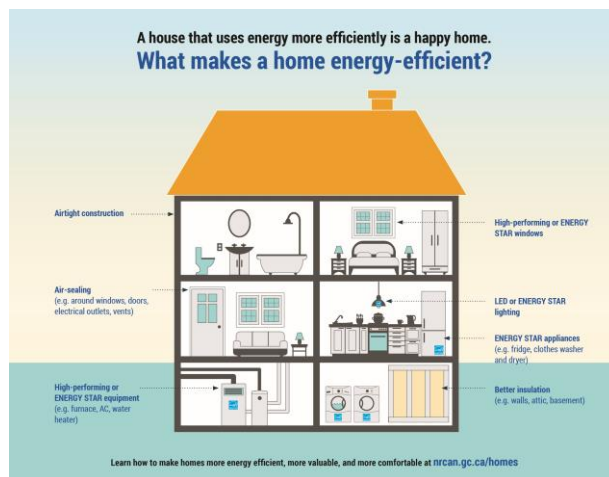
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What kind of Retrofits?

Retrofit Type	GHG Reduction	Cost Range
Typical (light)	10-30%	\$10-40K
Deep	40-60%	+/- \$50
Fuel Switching	~100%	+\$10-25K

- ~7000 deep energy retrofits/yr to 2050 are needed to reach net zero in Durham Region
- Currently less than 2000 energy retrofits are completed/yr – and almost no “deep” retrofits or fuel switching



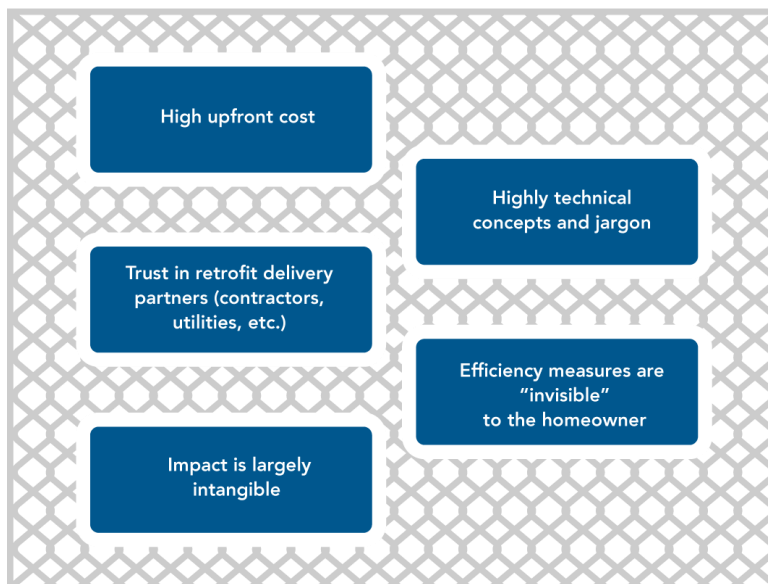
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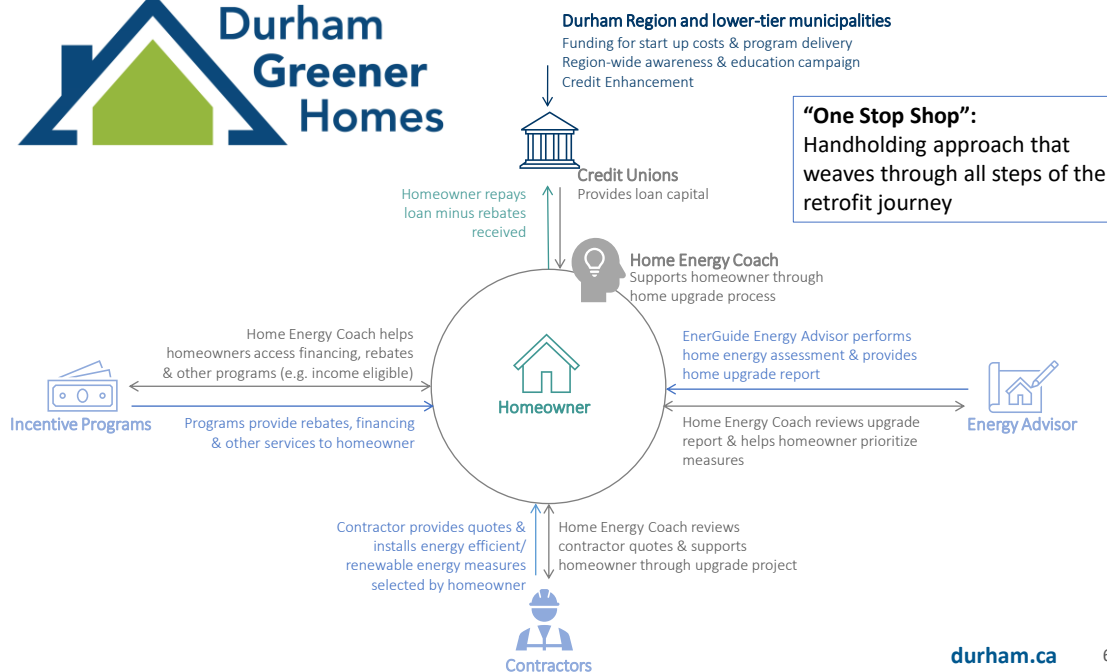
Barriers to change



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Deep Energy Retrofit “Top-up” Incentives

- \$5,000 - \$10,000 for achieving 50% or more GHG emission reductions between pre- and post-retrofit EnerGuide reports OR CHBA net zero home certification
- Terms and conditions include:
 - Minimum project costs must be at least \$30,000
 - Sum of all rebates and incentives must not exceed 50% of the total eligible project costs
 - Incentive is only paid out upon completion of the project
 - participation in case studies (various media formats)
 - data sharing – at least 24 months of energy and utility data pre- and post-renovation for M&V purposes
 - participation in future home energy rating and disclosure program

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Program launch – April 28th!

Durham Greener Homes

Home About Why Go Green Green Retrofits Financial Help Resources

Get Started Sign in

Helping Durham residents save on energy costs

Upgrade your home with energy efficient retrofits

<p>Why Go Green</p> <p>Learn how a green home is a smart home — with improved comfort, value, and cost savings.</p> <p>Learn more</p>	<p>Green Home Retrofits</p> <p>From simple DIY to deep retrofits, learn the in's and out's of upgrading the energy efficiency of your home.</p> <p>Learn more</p>	<p>Financial Help</p> <p>Durham Region residents may qualify for loans and rebates to complete home energy retrofits.</p> <p>Learn more</p>	<p>Expert Advice</p> <p>Get free expert and personalized advice from a trained Home Energy Coach in Durham Region.</p> <p>Get started</p>
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Training and Capacity Building

- Canadian Home Builders Association -> Net Zero Renovator Program
 - Training renovator contractors using “house as a system” approach
 - Targeting the delivery of 100-150 net zero renovations across Canada by 2026
 - We are hoping Durham will be a leader in this initiative through the Durham Greener Homes Program
- Heating Refrigeration and Air Conditioning Institute – Heat Pump training
 - Partnering with Ottawa, Toronto, and Calgary to develop training content for HVAC contractors
 - Trying to overcome supply side challenges to fuel switching from natural gas furnace to air source heat pumps.

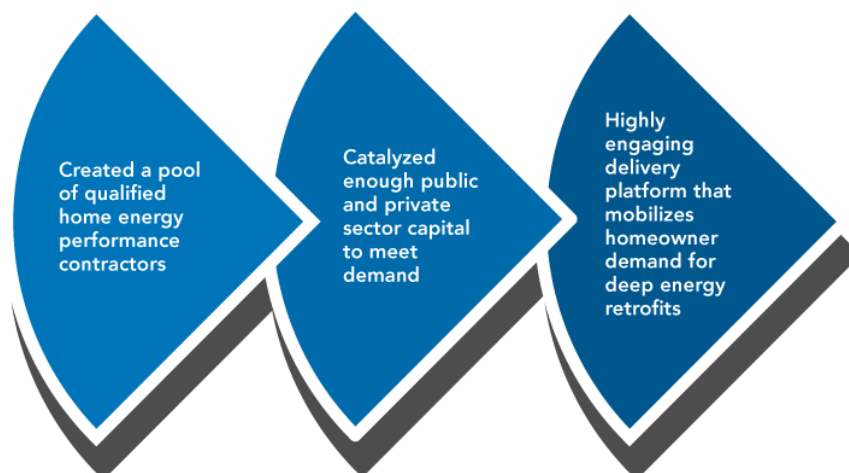
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What does success look like?



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Questions?

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