

June 6, 2017

CLIMATE CHANGE COUNCIL WEBINAR



Presenters

- Michelle Cote, Enbridge Gas Distribution
- Steve Ramoul, The Home Inspectors Group
- Dave Chatterton, Great Northern Insulation (GNI)



Housekeeping

- For visual – Join Skype Meeting
- For audio – call in
- Please put your phone on mute
- Hold questions to the end or when we stop for questions



Home Energy Conservation

Program Overview



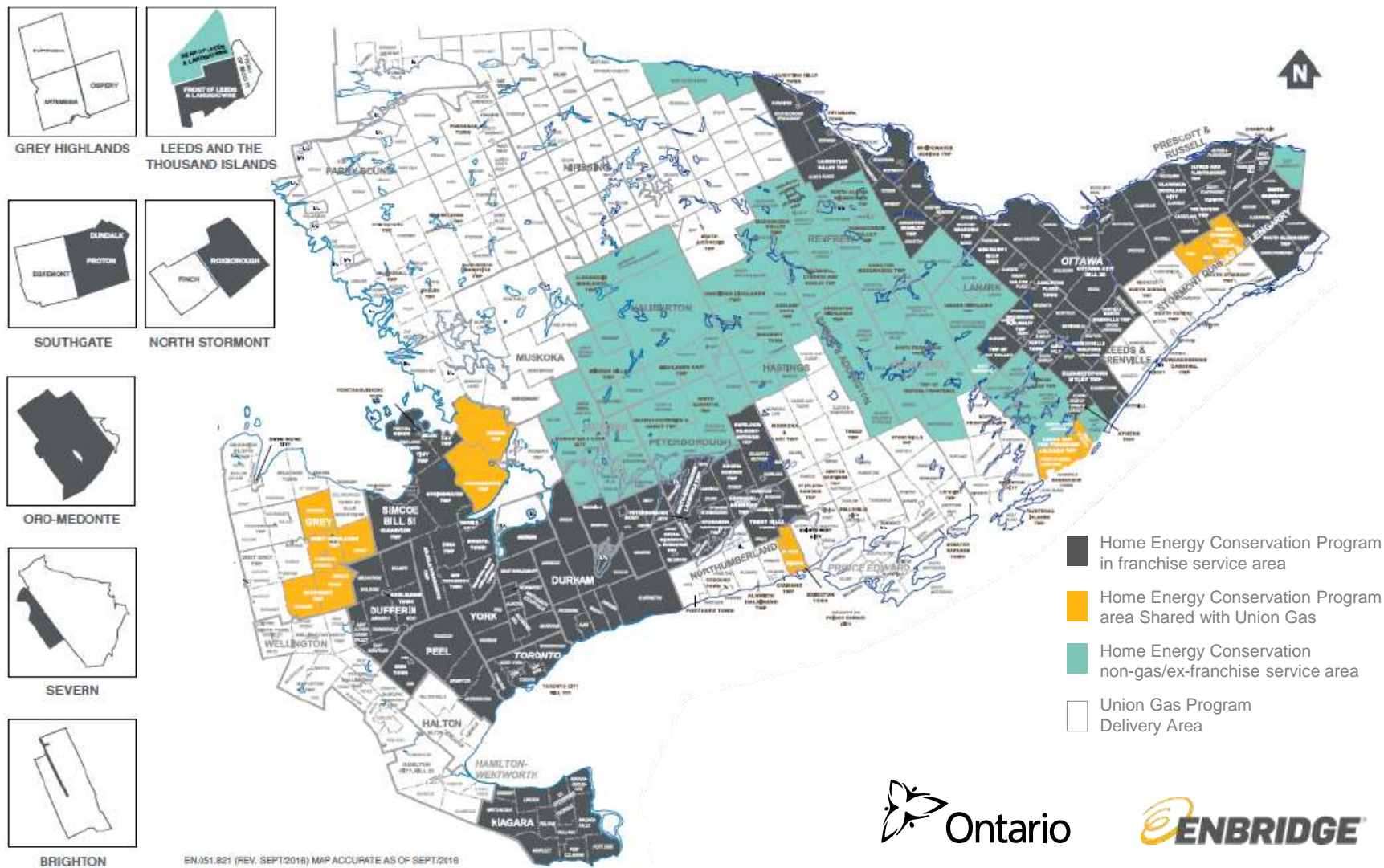
Enbridge Gas Distribution



What is the Home Energy Conservation Program?

- **One stop shop** for participants, no matter what their primary fuel source is. Residents of Ontario are now eligible for the Enbridge Gas Distribution Home Energy Conservation Program, *including residents who use electric only*
- **Drive savings for residents**, and report on savings from all fuel types – homeowner only has to participate in one program, gets one incentive cheque which will include Home Energy Conservation
- Provide **incentives** in a wide array of technologies available to the homeowner – envelope measures, HVAC, appliances, etc
- Provide **education** to homeowners on energy efficiency and the tactics they can implement within their home
- Education includes pre and post energy audit, as well as leave behinds and brochures promoting other energy efficiency programs

Program Delivery Area – Gas & Non-Gas Customers



How does a customer qualify

All HEC participants must meet the following eligibility criteria:

- Eligible homes must use natural gas, oil, propane, wood or electricity for space heating
- Have a valid Enbridge account number (if an Enbridge Gas Customer) OR provide a current tax bill for the property if the home is heated with alternative fuels (oil, wood, propane, electricity)
- Have a pre and post audit completed by an Enbridge approved Certified Energy Auditor (CEA)
- Complete at least two of the eligible upgrades as recommended by the CEA and achieve a minimum of 15% annual fuel savings (natural gas, propane, oil or wood)

How does a customer qualify? Postal Code Look Up Tool

To determine if a non-gas customer is within the Enbridge HEC program delivery area, visit knowyourenergyscore.ca and enter the participant's postal code

STEP 1

QUALIFICATION

A) You must heat your home with a natural gas, oil, propane boiler/furnace OR wood stove.

B) If you are an Enbridge Gas customer and have a valid Enbridge account in good standing OR if you heat your home with oil, wood or propane—you must provide a current tax bill for the property.

C) You must call one of the Certified Energy Auditors (CEAs) approved by Enbridge Gas Distribution to ensure that you qualify. See Step 2 for a list a numbers.

D) You must reside in the Enbridge Gas Program Delivery Area:

To verify you reside in our Enbridge Program Delivery Area, please enter your postal code below:

SUBMIT

Which homes are eligible?

What requirements need to be met for an audit to be completed?

- Must be a low-rise residential dwelling (such as a detached, semi-detached, or row house)
- Note: although an Energy Audit *can* be completed on a multi-unit residential building of up to 20 units (provided a blower door test can be performed), they **do not qualify** under the Enbridge program requirements
- No more than 3 stories above grade, maximum footprint of 600 m² (6,460 ft²), or mobile home on permanent foundation
- House is complete and “habitable”; windows, doors, exterior walls, and top ceiling must not have openings
- Cannot be stacked, and all levels must be accessible from the interior

Customer Incentives & Energy Assessment Fee

Enbridge Incentive:

\$1,600 for achieving a minimum of 15% in energy savings***

- **\$150** immediate discount on your first pre-energy audit
- **\$350** covering the remaining cost of your energy audits (not including HST), after completing your 2 recommended upgrades and final post-energy audit
- **\$1,100** towards the cost of your home energy upgrades – after your second energy audit proving you achieved a **MINIMUM of 15%** in energy savings***
- A chance to qualify for **additional electric incentives**
- You will receive a cheque for **\$1,450 or more (\$350 + \$1,100 + your electric incentives)**



Eligible Measures

Homeowners must complete at least two upgrades as recommended by the CEA and achieve a minimum of 15% annual fuel savings.



Coming Soon: Electrical Incentives

All customers who qualify for the Home Energy Conservation program will receive a Pre and Post Electrical Audit.

- Customers must participate in the Home Energy Conservation Program in order to qualify for the electrical incentives.
- Start Date to be announced soon.

New Qualifying Upgrades Include:



Electric Heating and Cooling

- **\$400** for installing an ENERGY STAR® Qualified Central Air Conditioning System (SEER 15 and EER 12.5)
- **\$250** for installing a High-Efficiency Furnace equipped with an Electronically Communicated Motor (ECM)
- **\$25** for installing an ENERGY STAR® Window Air Conditioner



Electrical Incentives, continued



Electric Appliance Upgrades

- **\$75** for installing an ENERGY STAR® Refrigerator
- **\$75** for installing an ENERGY STAR® Freezer
- **\$30** for installing an ENERGY STAR® Dehumidifier
- **\$75** for installing an ENERGY STAR® Clothes Washer



- Appliances must be replaced between the pre and post audits.
- Participants must provide a receipt for new appliances indicating the make and model during the post audit. Energy Auditors also need to provide a photo of the Energuide label (if available).

Electrical Incentives, continued



Air Source Heat Pumps (ASHP) (in electrically heated homes)

[CLICK FOR A FULL LIST OF PRODUCT SPECIFICATIONS](#)

- **\$1,000** for installing a Ductless ASHP (Air Source Heat Pump) – Single Head, Electric Baseboard, No A/C
- **\$1,000** for installing a Ductless ASHP (Air Source Heat Pump) – Single Head, Electric Baseboard, with A/C
- **\$1,250** for installing a Ducted ASHP (Air Source Heat Pump), Central Furnace, No A/C
- **\$1,250** for installing a Ducted ASHP (Air Source Heat Pump), Central Furnace, with A/C
- **\$1,500** for installing a Ductless ASHP (Air Source Heat Pump) – Cold Climate Single Head
- **Up to \$3,000** for installing a Ductless ASHP (Air Source Heat Pump) – Multiple Head, Electric Baseboard, no A/C (\$1,250 for one exterior unit and the first two interior units plus \$250 for each additional interior unit attached to the same exterior unit, up to a maximum of \$3,000)
- **Up to \$3,000** for installing a Ductless ASHP (Air Source Heat Pump) – Multiple Head, Electric Baseboard, with A/C (\$1,250 for one exterior unit and the first two interior units plus \$250 for each additional interior unit attached to the same exterior unit, up to a maximum of \$3,000)
- **Up to \$4,000** for installing a Ductless ASHP (Air Source Heat Pump) – Cold Climate Multiple Head (\$1,500 for one exterior unit and the first two interior units plus \$400 for each additional interior unit attached to the same exterior unit up to a maximum of \$4,000)
- **\$4,000** for installing a Ducted ASHP (Air Source Heat Pump), Cold Climate, Central Furnace, no A/C
- **\$4,000** for installing a Ducted ASHP (Air Source Heat Pump), Cold Climate, Central Furnace, with A/C



What is the Process ?

ASSESSMENT: You'll get a basement-to-attic assessment of your home's insulation, heating and cooling systems, and other energy use.

TESTING: A blower door test will be conducted to see if your home has air leakage, which can cause wasted energy, uncomfortable drafts, and poor air quality.

GET YOUR RATING: Your home will be given an energy rating using the Natural Resources Canada home evaluation – **the lower the GHG's, the better.**

RETROFITS: During your energy audit, you'll get recommendations for improvements to help reduce your energy bills, and the comfort of your home will be improved.

RECOMMENDATION: Because your recommended improvements may include heating, cooling, and insulation, it's best to book your energy audit before the winter heating season.

How to reach 15% savings

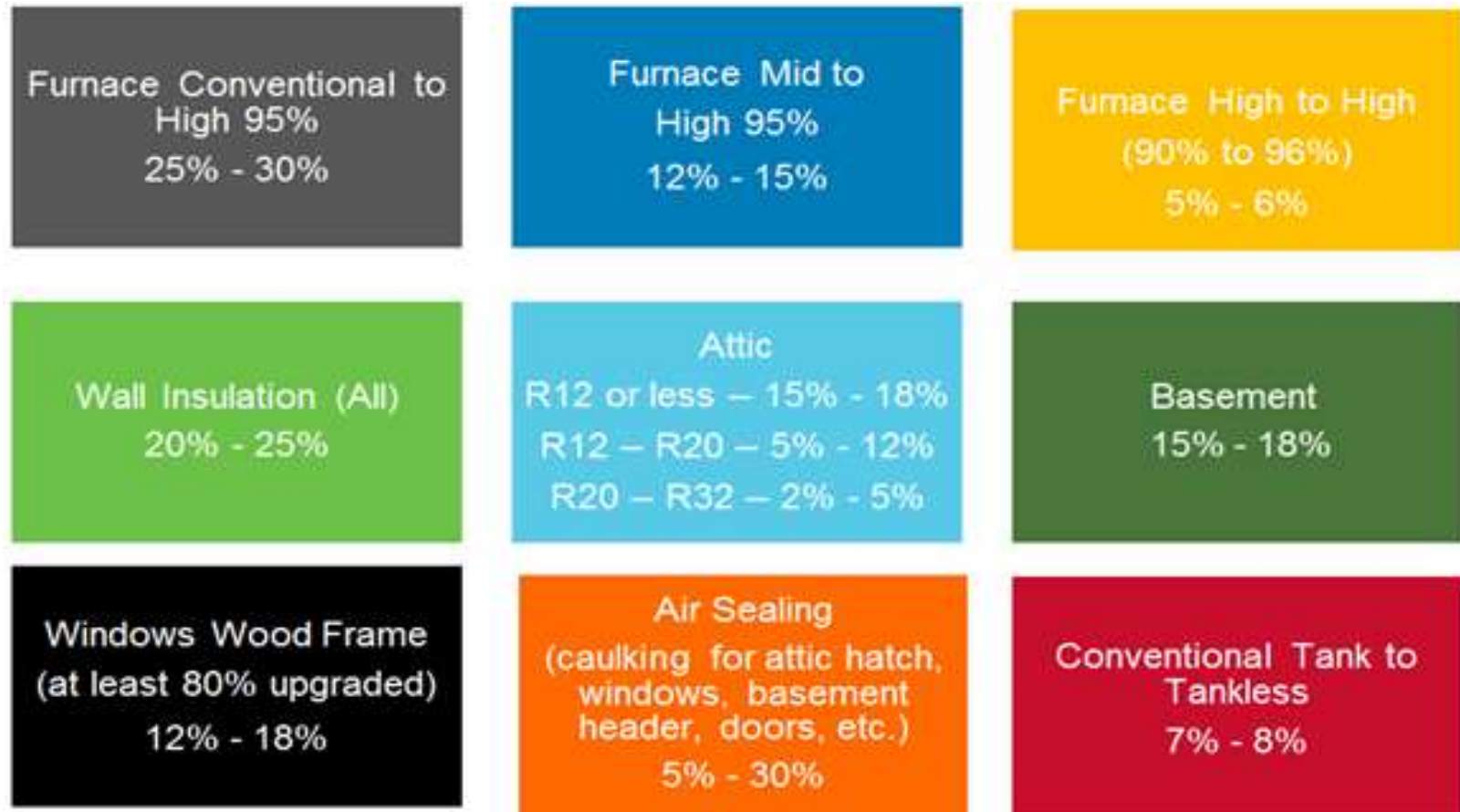


Illustration provided by The Home Inspectors Group Inc.

Smart Thermostat Program Overview

What is the Smart Thermostat program?

- Participants who reside within the Enbridge Gas Program Delivery Area and who purchase and install a **qualifying** Smart Thermostat before December 31, 2017 are eligible to receive a \$100 Incentive.
- If you are an Enbridge Gas customer, the Incentive will be paid as a bill credit on your Enbridge Gas account.
- If you are *not* an Enbridge Gas customer, the Incentive will be paid in the form of a cheque.
- Participants must live in a residential detached home, townhouse, or a semi-detached home. **Multi-residential buildings and condos do not qualify.**

The program target for this is 25,000 participants by 2018.

ecobee



Effective May 10, 2017

ecobee3



Honeywell



nest



www.knowyourenergyscore.ca



Enbridge Gas Approved Certified Energy Auditors

Homeowners must use a program approved Certified Energy Auditor (CEA). We are currently ramping up and building more capacity in the province:

Certified Energy Auditor	Contact
The Home Inspectors Group	1-866-907-9206
Pro Home & Building Inspections Inc.	1-844-401-7283
Canada Energy Audit Ltd.	1-888-298-9458
Enertest Corporation	1-877-327-1504

Great Northern Insulation

Services for Enbridge Rebate Offerings



Agenda

Introduction

Products

Product Definitions

Air Sealing

Wrap-up

Introduction to GNI

A Brief History

- Ontario's largest insulation services provider.
 - Over 120 production trucks.
 - More than 230 employees.
- In 37th year of operation.
- Service the majority of regions within Ontario.
 - 6 Locations across Ontario



Products We Offer

Only the Best

Specifically suited for the rebate program:

- Polyurethane spray foam
- Blown fibre insulation
- Batts & vapour barriers
- Air sealing and draft proofing

Full services and products list available at our website, www.gni.ca.



2lb Polyurethane

Spray Foam



1/2lb Polyurethane

Spray Foam



Attic Insulation

Blown-In



Wall retrofits

Blown-In



Wall retrofits exterior

Blown-In



Batt Insulation

Fibreglass/Mineral



Basement Blanket Wrap

Fiberglass



Blower Door Test

Air Sealing

- Measures “air changes per hour” to accurately measure the extent of air leakages within the home.
- Reveals sources and extent of air infiltration from windows and doors to holes, cracks, and openings.
- Blower doors can be used during the air sealing and draft proofing process to help identify leakage pathways, and also to measure success

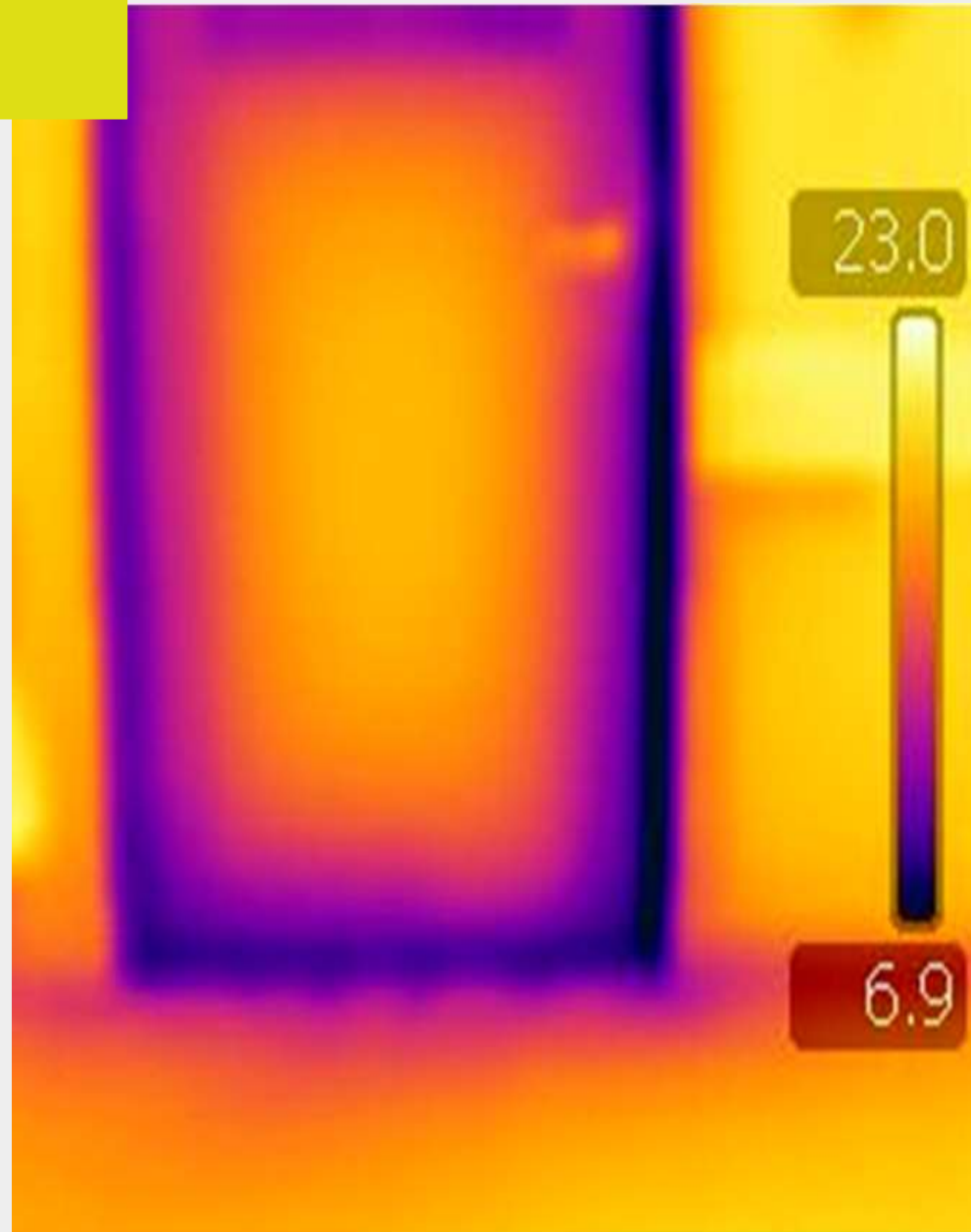


Why Control Air Flow?

Air infiltration can account for up to **40%** of a home's heat and cooling load. Sealing the home envelope can greatly increase the efficiency of the home.

Can lead to issues including:

- Costly heating and cooling bills
- Ice damming and roof failure
- Mould growth
- Pest infiltration
- Unwanted odours



Insulation for Rebates

Enbridge Rebates

- Ensuring that the entire building envelope is properly air sealed and insulated is a proven cost efficient means of decreasing energy usage and improving comfort.
- With the Enbridge rebate program, the cost of improving insulation is even lower.
- There is never a “bad” time to insulate. The benefits of proper insulation will be felt year round.



Great Northern Insulation

More Info

For more information on Great Northern Insulation's locations, services, or contact information, check us out online!



www.gni.ca



facebook.com/greatnortherninsulation

Thank you!



Ontario
Home Builders'
Association