



EcoHack-a-City Moncton – Final Presentation Group 1



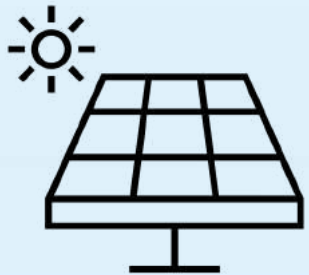
THE CHALLENGE

- **Greenhouse gas emissions** from fossil fuels used in **residential buildings** in Moncton, New Brunswick



THE SOLUTIONS THAT ARE BEING TRIED

- Community-level **renewable energy**:
 - Locally-owned **renewable energy projects** – small scale (LORESS)
 - Renewable energy **communities** (heat & power)
- Incentive programs for **energy-efficiency**
 - New homes & retrofits
 - low-income households



THE GAPS THAT EXIST AND WHO/WHAT IS PRIMARILY IMPACTED? WHAT IS THEIR SPECIFIC NEED?

GAPS

- **Limits** on existing **energy infrastructure** = limits on LORESS program
- NB **Electricity Act** (lowest cost electricity)
- Lack of **information** on energy-efficient housing
- Lack of **funding**

WHO

- **Residents** (homeowners and renters)
- **Housing industry** (developers, builders, appraisers, banks, insurance brokers, etc.)

WHAT ARE THE IMPACT ZONES (1 TO 3) TO ACT ON IN THE NEAR FUTURE? AND WHY?

1. Map **existing resources** (i.e., funding, key players in the industry, guide on net-zero building)
2. Mobilize/collaborate with **local organizations** to **create momentum**
 - organize webinar to introduce movement (transition of the residential building sector)
 - partner with local events (Inspire festival)
3. Leverage Moncton's **Community Energy & Emissions Plan**

OUR KEY LEARNINGS DURING THE PROCESS (AND HOW WE CAN USE IT IN OUR FUTURE WORK)

1. Take a step back; look at the **bigger picture**.
2. **Collaboration** is essential.
3. Don't get attached to specific solutions before you **understand all aspects** of the problem.
4. Keep an **open mind!**



EcoHack-a-City Moncton - Final presentation Group 2



The Process

What	We focused on the large GHG emissions coming from residential buildings
Why	<ul style="list-style-type: none">● Focus on where we could have the biggest impact within our system (80/20)● Want to empower renters, home and property owners● Programs exist, but people don't know about them● Lack of overall education ex) Heat pumps in the summer● Learned from other provinces
Hypothesis	<p>Therefore, we suppose that if we focus on education</p> <p>We can achieve higher participation in existing programs (= lower GHGs)</p> <p>by the following actions...</p>

The Action Plan

1. **Propose to the Climate Action Working Group that they complete the one-pager & database of resources that our group started**
2. **Three educational booths at Inspire Festival. Suggested groups: QUEST, Homesol, Climate Action Working Group**
3. **Send one-pager & database to City Council (to hopefully house on moncton.ca/environment) , Real Estate influencers, etc**

Future Project for Moncton/NB to take on:

PACE (Property Assessed Clean Energy) programs

The One-Pager

NB HOME EFFICIENCY 101

Saving you money and saving the atmosphere greenhouse gases!



ASSESSMENT

For \$99, you can find out how you can renovate your house with energy efficiency in mind. Book your assessment directly through NB Power, or local companies like HomeSol Building Solutions.



SOLAR PANELS, ETC

With your home assessment, your efficiency plan may include solar panels, it may be a heat pump, it may be new windows, or it may be insulation.



INSULATION

Insulation is one of the most important solutions for home energy efficiency! But because it's hidden, it's overlooked and rarely talked about.



THERMOSTAT & LIGHTS

One very important aspect of climate action is making changes to our behaviour. Simple, but important changes could include: Lowering your thermostat by 2 degrees in Spring and Fall, and grabbing a sweater instead. Changing your lightbulbs to LEDs and actually having fewer on around the house.



HOT WATER HEATER

Have you ever considered how hot your water can get sometimes? Do you know that you can adjust that? By setting your water heater to a lower temperature, it will save time, energy and money.



CLOTHESLINE

If you have room in your yard or on your balcony, setting up a clothesline is a great way to save on your power bill, get you outside, and have your clothes feeling fresh!



LEARN MORE

If you are looking to take your climate action one step further, find a full list of the groups and projects happening in our city, our province, and our country: www.moncton.ca/environment



TELL YOUR FRIENDS/FAM

Share these tips with your family and friends, because the bottom line is, every action counts in climate action: "We don't need a handful of people doing zero-waste perfectly. We need a million people doing it imperfectly." - Anne-Marie Bonneau

The Database

Database of Current Players, Solutions & Resources .xlsx

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	A	B	C	D
1				
2		Database of Current Players, Solutions & Resources		
3				
4		PROVINCIAL		
5		Organization	Project	Link
6		QUEST	NB Smart Energy Communities Accelerator Program	https://questcanada.org/
7		New Brunswick Environmental Network (NBEN)	Climate Action Resources, Programs and Events in NB	https://nben.ca/en/
8		New Clear Free Solutions	Resource/Plan of Transitioning to a Low Carbon Economy	https://newclearfreesolutions.com/
9		Homesol Building Solutions Inc	NB Home Energy Assessments & Rebates	https://homesolbuildingolutions.com/atlantic/home-energy-assessments-for-new-brunswick-homeowners/
10		North Branch Smart Energy Neighbourhoods	Research Project/Test neighbourhood sponsored by Siemens & NB Power	https://www.northbranchmoncton.ca/
11		Community Forests International	Protect & restore forests, support communities adapt to climate change, etc	https://forestsinternational.org/
12		Conservation Council of New Brunswick	Programs & Resources on Conservation & Climate Change	https://www.conservationcouncil.ca/
13		Conservation Council of New Brunswick	The Atlantic Electricity Vision	https://www.conservationcouncil.ca/about-the-atlantic-electricity-vision/
14		Conservation Council of New Brunswick	NB & NS's Laws in Climate Action	https://www.conservationcouncil.ca/laws-climate-action/
15		Symbiose	Educate and mobilize the community in environmental and social justice issues	https://www.facebook.com/symbiose.edemonstron
16		NBCC	Energy Systems Technology (2-yr program in renewable energy)	https://nbcc.ca/programs-courses/program-details?baseCurriculumId=c94e405e-cb0a-4c2c-b47e-1135b35f51ac
17				
18		NATIONAL		
19		Organization	Project	Link
20		Natural Resources Canada	Greener Homes	https://www.nrcc.gc.ca/science-and-data/funding-partnerships/funding-opportunities/funding-grants-incentives/greener-homes/23230
21		Infrastructure Canada	List of Infrastructure Canada Funding Programs	https://www.infrastructure.gc.ca/prog/programs-infic-summary-eng.html
22		Government of Canada	List of Environment & Climate Change Canada Funding Programs	https://www.canada.ca/en/environment-climate-change/services/environmental-funding.html
23		Climate Caucus	Network for municipal elected climate leaders	https://www.climatecaucus.ca/
24		Federation of Canadian Municipalities (FCM)	Green Municipal Fund (GMF)	https://fcm.ca/en/programs/green-municipal-fund
25		Federation of Canadian Municipalities (FCM)	GMF's Municipal Energy Roadmap	https://fcm.ca/en/resources/gmf/gmf-municipal-energy-roadmap
26		Quest Canada	Map of Plans, Policies, Programs, Projects & Resources across Canada	https://questcanada.org/pathways/
27				
28				
29		INTERNATIONAL		
30		Organization	Project	Link
31		US Energy Efficiency & Renewable Energy	Property Assessed Clean Energy Programs (PACE)	https://www.energy.gov/eere/efsc/property-assessed-clean-energy-programs
32		United Nations Framework Convention on Climate C/OP26 Goals & Resources		https://ukrap26.org/
33				

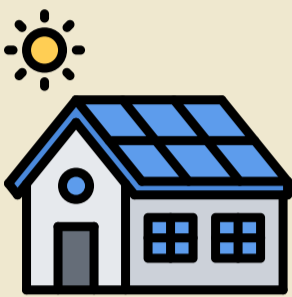
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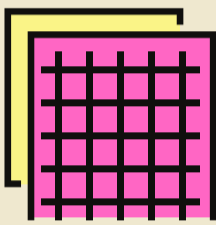
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