

# OUR CITY. OUR FUTURE.



## Resilient **St. John's**

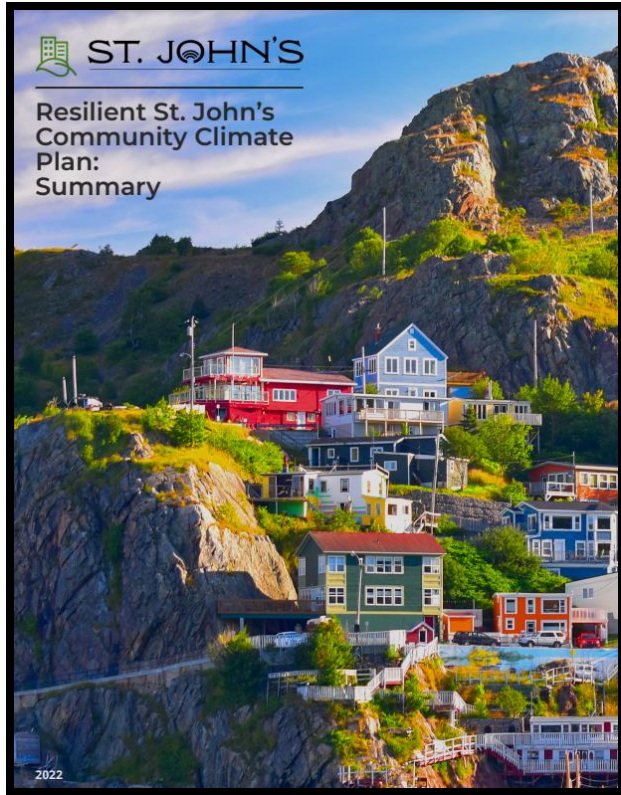
Municipal Action in  
Energy Efficiency Retrofits:  
*Closing the Gaps*



May 2023

ST. JOHN'S

# St. John's Climate Emergency Response

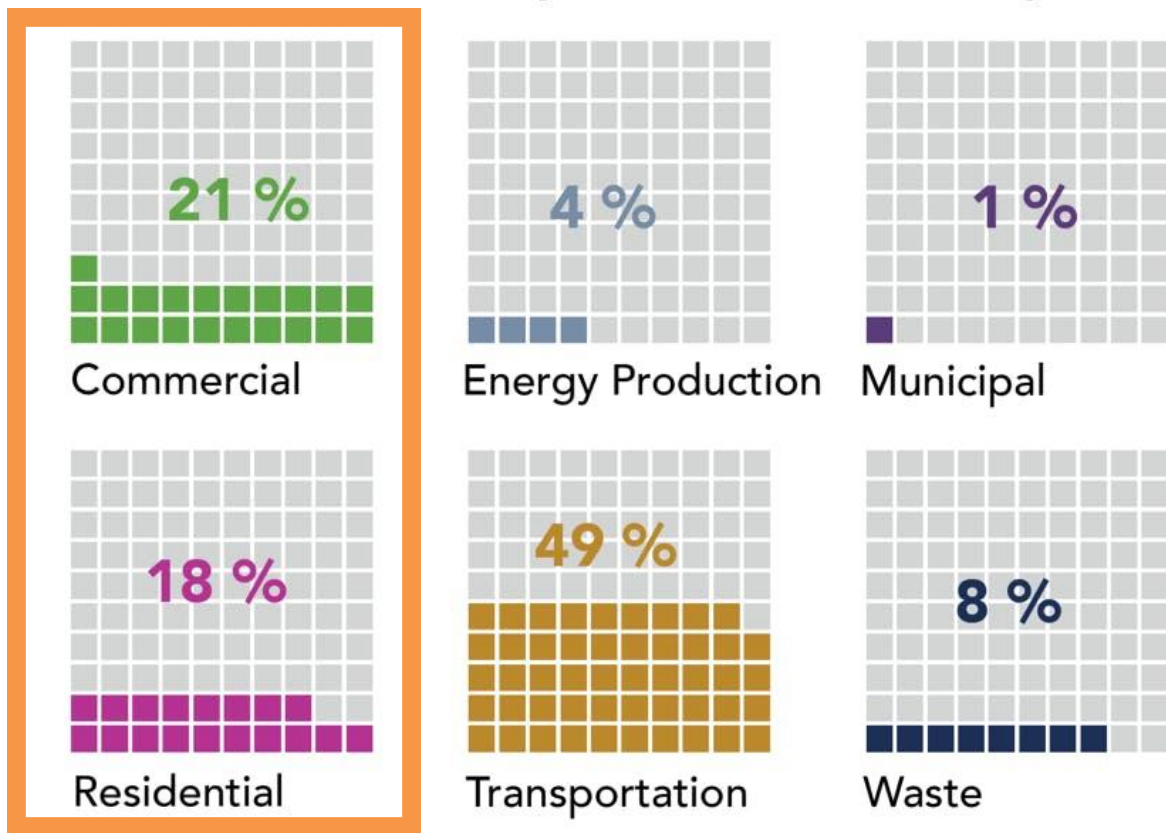


Adopted March 2022

## Municipal Role in the Energy Transition

- Being a first mover
- Providing public education, progress reporting, and periodic reviews
- Enabling and coordinating community action
- Leading certain key programs, with an equity and local economic development lens

# St. John's Community GHG Emissions by Sector

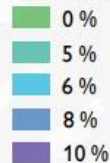


**40% in Buildings**

# Energy Poverty Thru the Transition

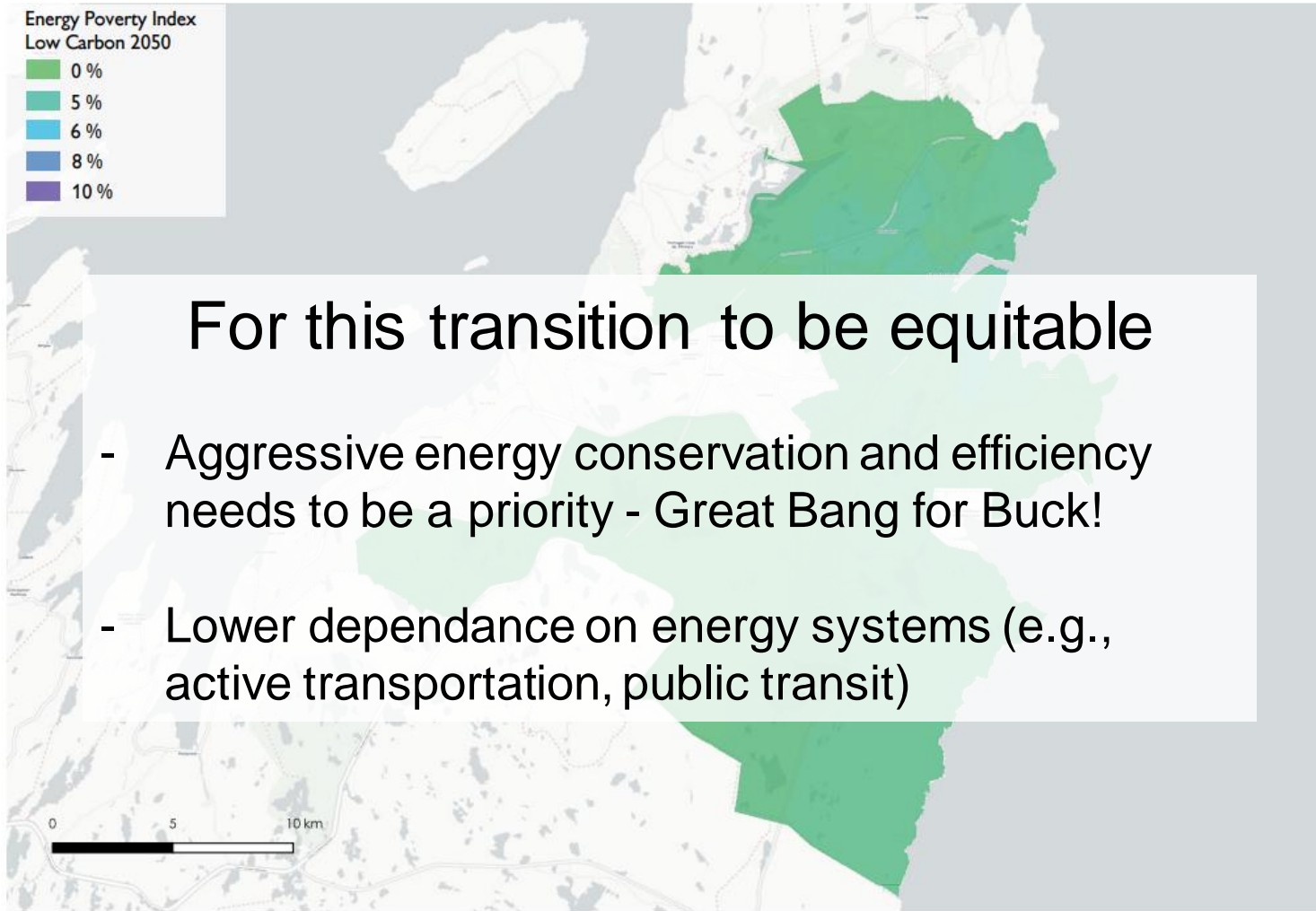
Definition: Where  
residents spend more  
than 6% of their after-tax  
income on energy

Energy Poverty Index  
Low Carbon 2050



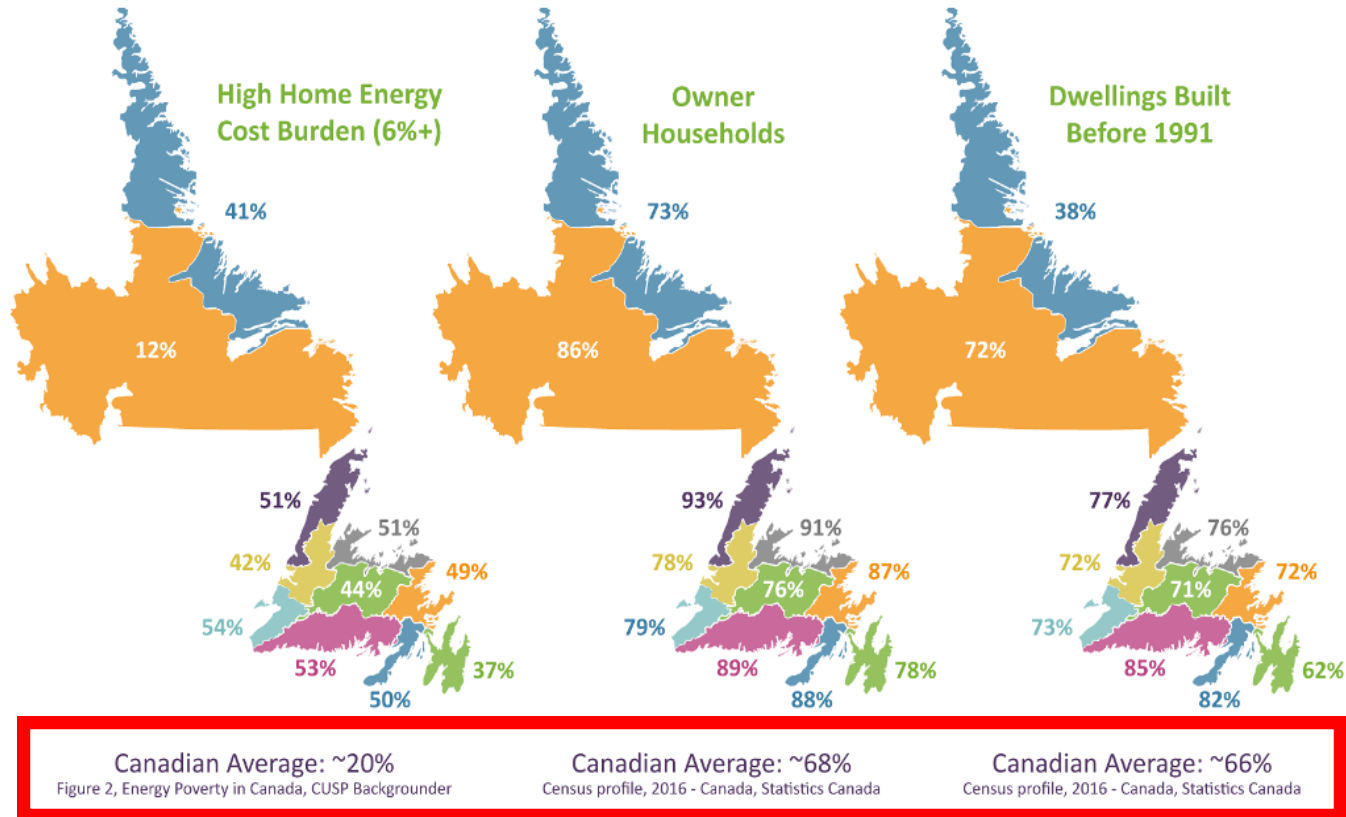
## For this transition to be equitable

- Aggressive energy conservation and efficiency needs to be a priority - Great Bang for Buck!
- Lower dependance on energy systems (e.g., active transportation, public transit)



# Energy Poverty Thru the Transition – Province Wide

Definition: Where residents spend more than 6% of their after-tax income on energy

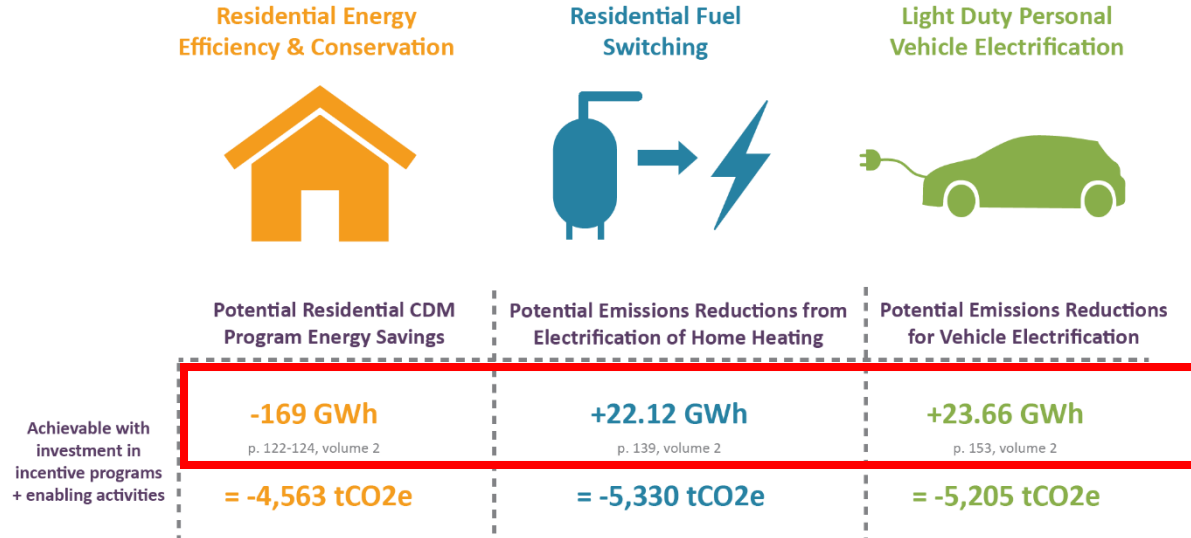




# Household Efficiency and Electrification = Win-Win

## 2020 - 2034 Conservation Potential Study: Key Findings

Study prepared by Dunksy Energy Consulting in 2019  
for Newfoundland Power Inc. and Newfoundland and Labrador Hydro



A reduction of **-123.22 GWh**

**+50%** decrease in household energy  
costs in St. John's

# Gaps in NL Residential Retrofits

Two gaps emerged from program design research:

**Financial Gap:** Residents in the middle are left behind for utilizing existing programs, including the aging population.

**Implementation Gap:** Best practice in other provinces to have an organization to help homeowners streamline process versus going at it alone

# Proposed Program Design

## Existing Grants

- TakeChargeNL
- NLHydro Oil to Electric
- Greener Homes Program
- NL Housing Org.
- EV Charger Grants

## Existing Financing

- Greener Homes Loan

## NL Energy Coach New!

- ~~Non for Profit~~ Homeowner
- Programs knowledge
- Coordinate energy audits
- Support stacking grants
- Help with paperwork

## Purpose Built Gap Financing

- Offered by financial institution partner
- Bridging Financing
- Improved Terms
- Technology agnostic



FEDERATION  
OF CANADIAN  
MUNICIPALITIES

FÉDÉRATION  
CANADIENNE DES  
MUNICIPALITÉS

Role: Primary Grant Contributor



econext



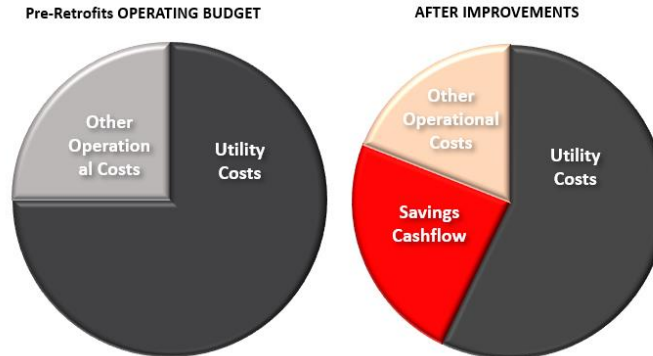
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# Municipal Properties Energy Transition

## Performing Energy Audits – TIPS

- Prioritize by energy bills and/or operating hours
- Include implementation and grant writing support in RFP
  - Consider study grants before they begin billing for work
  - Aggregate efficiency measures  
(Consider collective 15-20 years payback, depending on asset life of facility)
- Consider resilience & flexibility (e.g., mobile generator units)



# Municipal Properties Energy Transition

- Opportunities to aggregate retrofits across facilities
- Need for cooperation across communities to reach minimum thresholds for competitive funding programs (need for a secretariat role?)

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## Resilient **St. John's** Climate Plan



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