

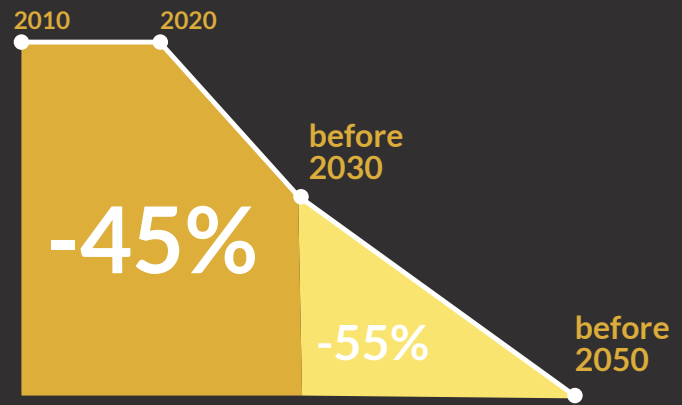
# THE NORTHERN BUILDING RETROFIT ECONOMY

## BENEFITS FOR COMPANIES, HOMEOWNERS & GOVERNMENT

### REDUCING GREENHOUSE GAS EMISSIONS IN THE BUILDING SECTOR IN THE NORTHWEST TERRITORIES

HIGH-LEVEL OVERVIEW ONLY. FULL REPORT AVAILABLE ON [WWW.NORTHERNCENTREFORSUSTAINABILITY.CA](http://WWW.NORTHERNCENTREFORSUSTAINABILITY.CA)

### CLIMATE STABILITY TARGETS<sup>1</sup>



### JOB CREATION

**123** JOBS  
in 2030

Jobs in the field of retrofit building will be spread across all communities in the Northwest Territories.



### ADDITIONAL TAX REVENUES IN THE GNWT

**\$1M**  
per year

Tax revenues boosted by added employment and worker spending, construction and transportation company investment and income, and homeowner fuel savings that are spent on the local economy.

### THE COST OF CLIMATE CHANGE

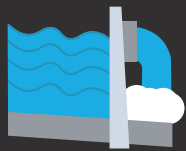


NWT is warming 4-5 times faster than global averages. Permafrost is thawing, damaging buildings and infrastructure. Shrinking sea ice and coastal erosion are impacting species, ecosystems and Indigenous cultures.

### ENERGY SAVINGS

**19k** barrels  
or 3M L per year

**\$20M**  
per year



Equals to the whole Snare hydro system running at full capacity for more than a year

Energy savings more than cover the costs of retrofit investments. Up-front costs can be financed by banks or government using PACE, LIC, or similar financing systems.

### PROJECTED GDP INCREASE

**\$15M**  
in 2030

### GOAL

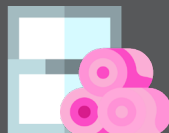
**100% ELECTRIC GRID  
DECARBONIZATION BEFORE 2030**

### ANNUAL SAVINGS<sup>2</sup> FOR THE AVERAGE NWT HOMEOWNER



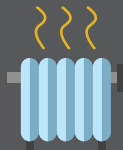
**renewable energy**  
solar and wind

**\$2,500**  
per household



**deep retrofits**  
window and wall insulation

**\$1,400**  
per household



**fuel switching**  
biomass and electric  
heats pumps

**\$1,200**  
per household



**standard retrofit**  
LEDs, thermostats,  
attic insulation

**\$600**  
per household

**ROI 9%**

per year (payback of 12 years)

Based on initial investment of \$125k for an average household (1,671 ft<sup>2</sup>).

Energy savings more than cover the cost of retrofit investments of \$21M/year.

<sup>1</sup> Intergovernmental Panel on Climate Change, Global warming of 1.5°C.

<sup>2</sup> Combining multiple activities at a household affects both the cost and savings for that household. Values as shown cannot be added together.