

**CHANGE
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Local Market Transformation through Commercial Energy Transition

City of Edmonton

Agenda

- Edmonton's Energy Transition Approach
- Economic Opportunities
- Commercial Energy Transition Programs

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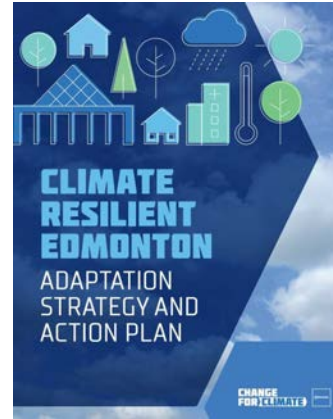
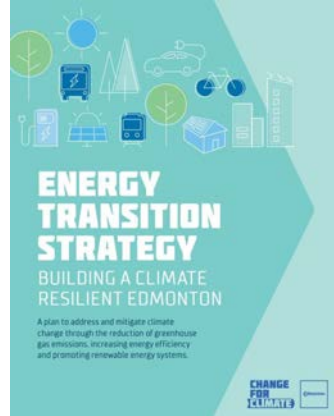


Edmonton's Strategic Approach

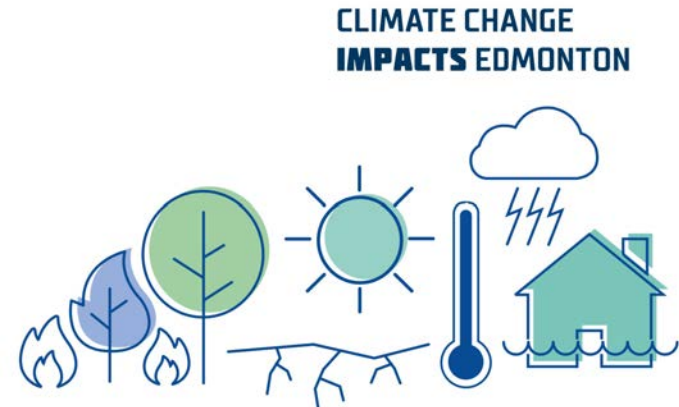


Edmonton's Plan to Fight Climate Change

MITIGATION
action to reduce emissions that cause climate change



ADAPTATION
action to manage the risks of climate change impacts



Revised Community Energy Transition Strategy

**RENEWABLE AND RESILIENT
ENERGY TRANSITION**

**EMISSIONS NEUTRAL
BUILDINGS**

**LOW CARBON CITY
AND TRANSPORTATION**

**CARBON CAPTURE AND
NATURE BASED SOLUTIONS**

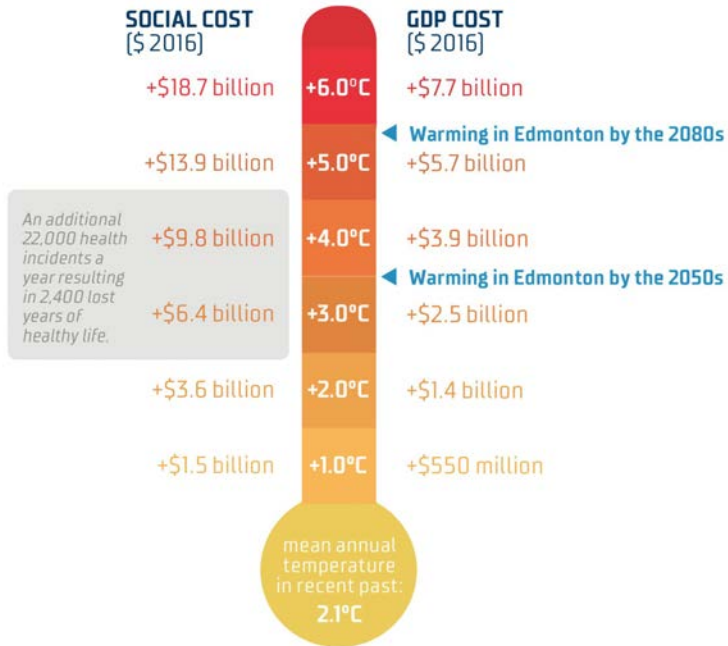
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LEADERSHIP**

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Economic Opportunities

Climate Change Impacts



- Increased risk of urban flooding, more frequent and intense weather events, changing ecosystems
- Edmonton's GDP could be reduced by \$3.2 billion annually on average by the 2050s
- An additional 22,000 health incidents a year are expected to occur by the 2050s

Opportunities for Edmonton

- Create more economic opportunities for Edmontonians while maintaining a low carbon economy
- Capitalize and diversify the economy through new investments within emerging industries in the energy and innovation sectors
- Respond to changing global markets, while creating prosperity, economic diversity, and supporting Edmontonians in a just and equitable way

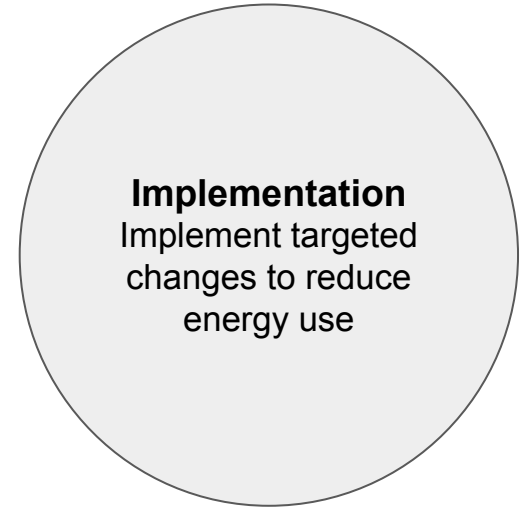
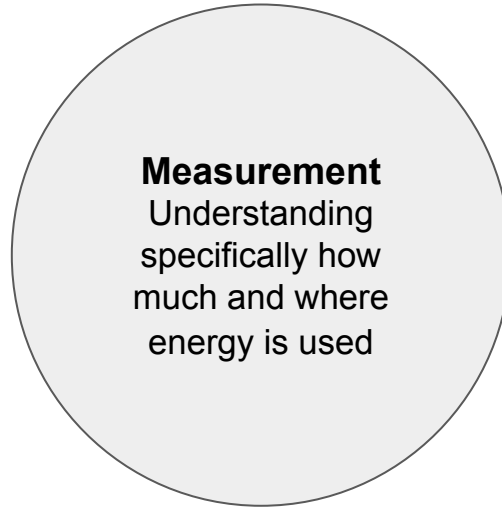
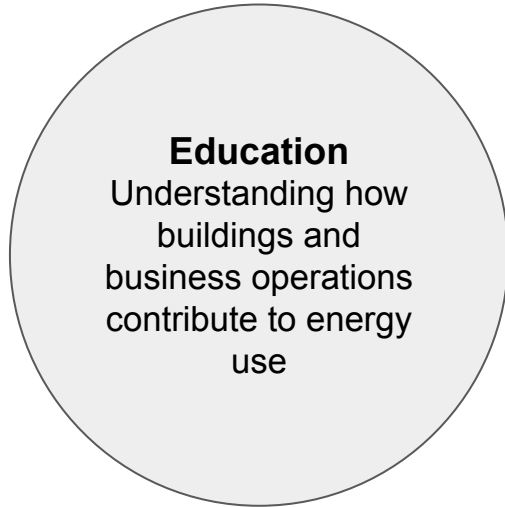


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Edmonton's Commercial Energy Transition Programs

How does Commercial Market Transformation Work?



Edmonton's Commercial Programs: Purpose and Intent

Education

Corporate Climate Leaders Program

- Supports and empowers corporations to reduce their GHG Emissions (Scope 1, 2 and 3)
- “Free” member workshops on topics related to corporate GHG use, planning, reduction and reporting
- Rebate of 50 percent or up to \$3,000 dollars for planning and reporting of GHG emissions

Measurement

Building Energy Benchmarking

- Benchmarks natural gas and electricity use of buildings
- Audit Rebate (ASHRAE Level 2 or better) of 50 percent up to \$10K audit cost

Implementation

Building Energy Retrofit Accelerator

- Commercial and Institutional rebates for HVAC, Building Envelop, Lighting and Control
- Additional bonus: Bundling and Energy Certification

Edmonton's Commercial Programs: Transforming Commercial Energy Market

Corporate Climate Leaders

- 56 active corporations
- Forecasted GHG reduction of 148,487.02 tonnes of CO₂e reduced by 2025
- Workshops: Climate adaptation, green financing

Building Energy Benchmarking

- 424 buildings
- Over 89% retention rate
- 37% growth in the program
- Average EUI Year 1 to Year 4 was -9.3%
- 12 energy audit rebates

Building Energy Retrofit Accelerator

- \$4 in private investment for every public dollar spent
- 30% of the applications are for deeper green retrofits
- Businesses have saved 445,274 GJ

Role of Commercial Energy Transition Program

- CANNOT be the end state to meet local energy transition goals
- CAN catalyze the initial transition to a low carbon future
- CAN prepare the community to transform local markets
- FIRST step to prepare for (any) future regulations to take over
- REDUCE the upfront investment risk for businesses to make the investment

LET'S CHANGE SOMETHING BEFORE CLIMATE CHANGES EVERYTHING

Join the movement

changeforclimate.ca

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