

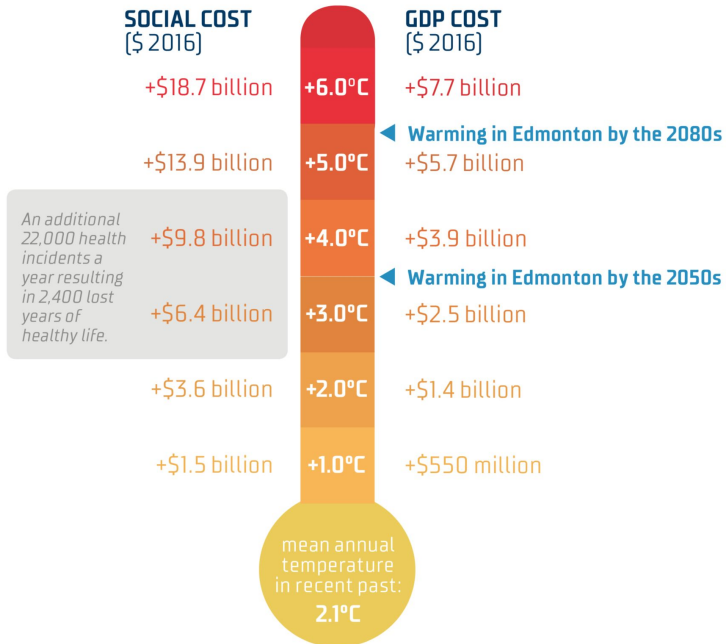
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Edmonton

Updated Energy Transition Strategy and Action Plan

Urban Form and Corporate Strategic Development
April 12, 2021

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



Energy Transition - Progress Underway



- Extension of LRT network; 40 electric buses; Protected bike lanes in downtown core, Curbside electric charging stations; EV charging rebates

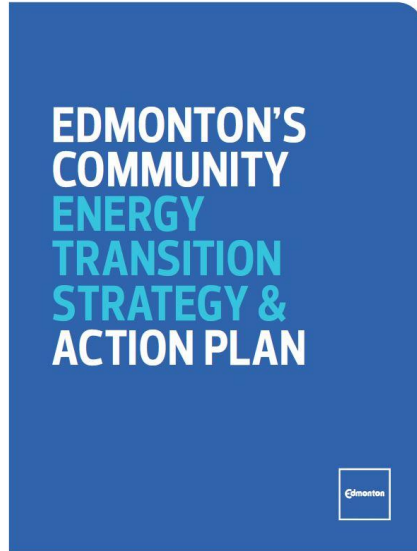


- Residential solar rebates; Downtown district energy system; Waste to bio-fuel; Solar on 5 City facilities with 12 more planned in 2021



- Blatchford development; Rebates for energy efficiency; Building labelling and benchmarking; City facilities constructed to LEED Silver standard

Revised Community Energy Transition Strategy



30 YEAR
VISION

10 YEAR
STRATEGY

105 BOLD
ACTIONS

Revised Community Energy Transition Strategy

**RENEWABLE AND RESILIENT
ENERGY TRANSITION**

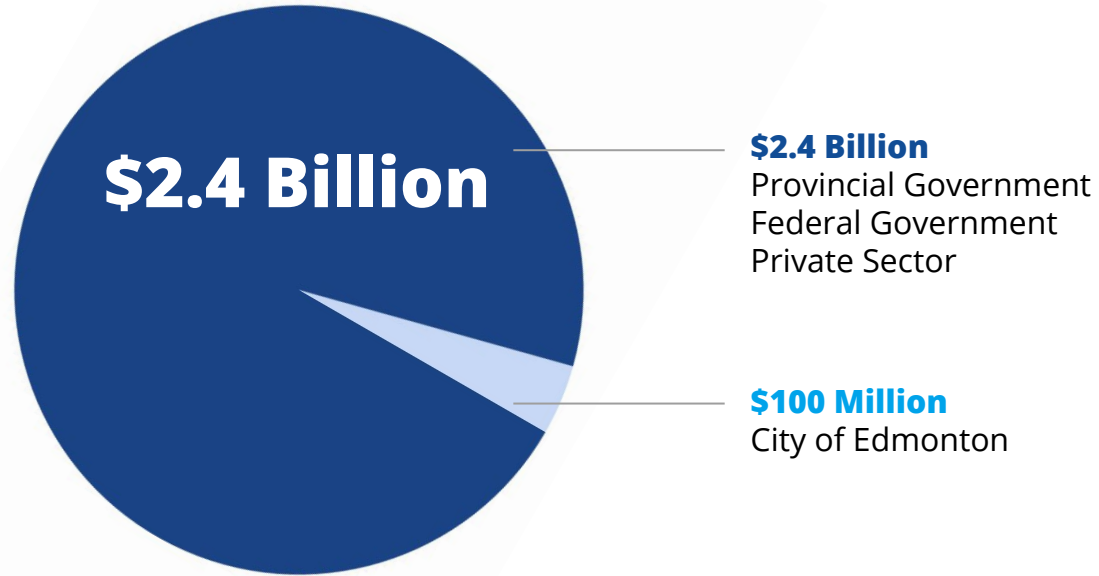
**EMISSIONS NEUTRAL
BUILDINGS**

**LOW CARBON CITY
AND TRANSPORTATION**

**CARBON CAPTURE AND
NATURE BASED SOLUTIONS**

**CLIMATE SOLUTION
LEADERSHIP**

Estimated Costs



The City Plan Implementation Approach



Planning, Policy & Regulation

- C627 Climate Resilience Policy
- Bylaw for Clean Energy Improvement Program



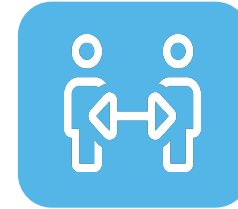
Process & Service Delivery

- Integrate actions into existing business plans
- Integrated carbon accounting framework
- \$100 Million/annually in future budget services packages



Data & Measurement

- Annual reporting (as per Charter requirement)
- Monitoring transition thresholds and signals



People, Partnerships & Change Management

- Continued engagement with stakeholders and advisory groups

Thank you

edmonton.ca/EnergyTransitionUpdate

The logo for the City of Edmonton, featuring the word "Edmonton" in a white, sans-serif font on a dark blue square background.

Edmonton