

Progress Already Underway

Recommendation 2: Progress and steps to build climate competencies already underway

- Provided multiple training and certification opportunities in recent years for staff, supported through grant funding provided by Natural Resources Canada (NRCan) including:
 - ISO 50001 Energy Management standard,
 - Certified Energy Manager (CEM),
 - Certified Energy Auditor (CEA), Certified Measurement and Verification Professional (CMVP),
 - Introduction to Existing Building Commissioning (EBCx),
 - Advanced Course on Existing Building Commissioning (EBCx),
 - Building Automation Systems Essentials, and
 - Advanced Building Automation Systems Optimization.
- Provided two workshops on the Public Infrastructure Engineering Vulnerability Committee (PIEVC) protocol developed by Engineers Canada to assist capital project engineers in factoring climate change impacts into work in 2020.
- Participated in peer learning networks such as:
 - The Municipal Net-Zero Action Research Partnership (N-ZAP), with the goal to support Canadian municipalities to monitor, measure and achieve net-zero mitigation goals. This partnership attempts to create improved measurement, analysis and monitoring systems for municipal and community-wide greenhouse gas (GHG) emissions. It also aims to advance the quantification of GHG emissions, enable the application of methods to identify mitigation opportunities and evaluate their effectiveness.
 - The Canadian Municipal Network for Task Force on Climate-Related Financial Disclosures (TCFD) to enhance climate disclosures in annual financial reports to provide stakeholders with relevant, material, consistent and comparable information for decision making. This helps inform the municipality's strategy and priorities to mitigate and adapt to climate related financial risks. This work will advance the understanding and reporting of climate risks and financial impacts to develop municipal-relevant, standardized and statutory compliant reporting through

recognized methodologies and tools that will eventually make the information auditable.

- Provided awareness and education initiatives including the Change for Climate Lunchbox series in 2021 (one-hour sessions including Climate Change 101, solar energy, and flood prevention) and practical education content in employee newsletters covering a broad range of climate topics.
- Provided a suite of GBA+ training programs: 'Foundations of Diversity and Inclusion', 'Diversity and Ourselves', 'GBA+ Application' (3 sessions), and 'Everyday Equity - GBA+ on the Frontline' that is available to all City employees.

Recommendation 3: Progress to monitor and evaluate Climate Strategies success that are already underway

- Edmonton is among the first Canadian municipalities to begin disclosing climate-related information as part of the City's annual financial reports, in alignment with the Financial Stability Board's Task Force on Climate-related Financial Disclosures' (TCFD) framework.
- Edmonton was awarded a platinum certification for the calibre of the data it has publicly reported in accordance with ISO 37120: Sustainable Cities and Communities – Indicators for City Services, the first international standard for city data. The standard requires reporting on key environment and climate change indicators. Administration also tracks and reports on a number of key climate performance indicators as part of the ConnectEdmonton Strategic Plan's indicator reporting framework and City Plan targets reporting.
- Edmonton reports annually to the CDP (the world's leading environmental reporting platform and progress accountability mechanism for cities) on the GHG emissions and targets, as well as climate risk and vulnerability assessments. Edmonton earned a score of 'A' in 2023 (one of only 119 cities globally), being recognized for leadership in reporting climate adaptation and mitigation action.
- Administration's third-party audited and certified ISO 14001 Environmental Management System supports the City's climate goals by tracking performance indicators on climate action.
- Administration is currently working to be one of the first cities in Canada to assess and track climate exposure, vulnerability, risk, and resilience at the neighbourhood level.
- Administration developed formal documentation for the GHG inventory management, including quality assurance and quality control processes.

- Administration is tracking and publicly reporting on community and corporate greenhouse gas emissions. Administration also publishes a range of climate-related data, documents and resources on the City's open data portal, providing public access to information about climate change risks, perceptions and indicators.
- Administration provides Council with an annual climate strategies progress and corrective action report.

Recommendation 4: Progress to integrate climate information into decision making that is already underway

- Hosting the Intergovernmental Panel on Climate Change (IPCC) Cities and Climate Change Science Conference in 2018, the first conference of its kind in the world to identify key research and knowledge gaps related to cities and climate change. The goal was to inspire and stimulate researchers globally and support cities and citizens in building climate resilient and sustainable cities going forward. An outcome of this event was the Global Research and Action Agenda on Cities and Climate Change Science and the creation of the Edmonton Declaration, which has been endorsed by over 3,400 municipalities from around North America. The Edmonton Declaration, in part, calls on all national, other subnational and local governments to establish formal, science-based policy and decision making processes within their organizations.
- Launching an Intergovernmental Panel on Climate Change (IPCC) legacy research grant that funded first of its kind climate research in Edmonton, including wildfire risk and urban heat island mapping. As well as, innovative approaches to collecting climate information through crowdsensing. In addition to the ten research initiatives receiving funding through this grant, Edmonton was one of the first cities in Canada to develop an in-house climate change modeling application that can provide climate projections to support decision making.
- Being one of the first cities in Canada to have an advisory committee to Council on climate change, the Energy Transition Climate Resilience Committee, which provides advice to Council and Administration on energy transition and adaptation issues
- Being the first city in Canada to incorporate a carbon budget in its Municipal Development Plan, which included completing greenhouse gas emission and climate vulnerability assessment work to inform The City Plan's development.

Attachment 1

- Edmonton is one of the first cities in North America to present a carbon budget alongside its financial plans. The 2023-2026 budget was the first time a carbon budget was completed and delivered to Council in conjunction with the capital, operating and utility budgets. 2023-2026 was the first iteration and the carbon budget will continue to evolve as Administration applies its learnings, and as the organization and process matures.
- Administration is collaborating with other Canadian cities exploring the concept of climate budgeting (an expansion of carbon budgeting) and working towards integrating sustainability into asset management including Administration now assessing the risks of climate change while developing new Asset Management Plans.