

Calgary



Community Planning Implementation of Climate Resilience Strategy (Verbal) PUD2020-1136

SPC on Planning and Urban Development - October 7, 2020

CITY OF CALGARY
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Overview

1. Background - Climate Resilience Strategy and Actions
2. Community Planning – Climate Resilience Implementation Highlights
3. Industry Collaboration
4. Upcoming Implementation Work
5. The Calgary Context



Climate Resilience Strategy

Mitigation & Adaptation Action Plans

Calgary 2018

Goals of Plan

- 1) Reduce risks and vulnerabilities to extreme weather and long term climatic changes
- 2) Improve energy use and reduce GHG emissions
- 3) Support the low carbon economy

Components & Timeframe

- 244 actions
- 10-year period

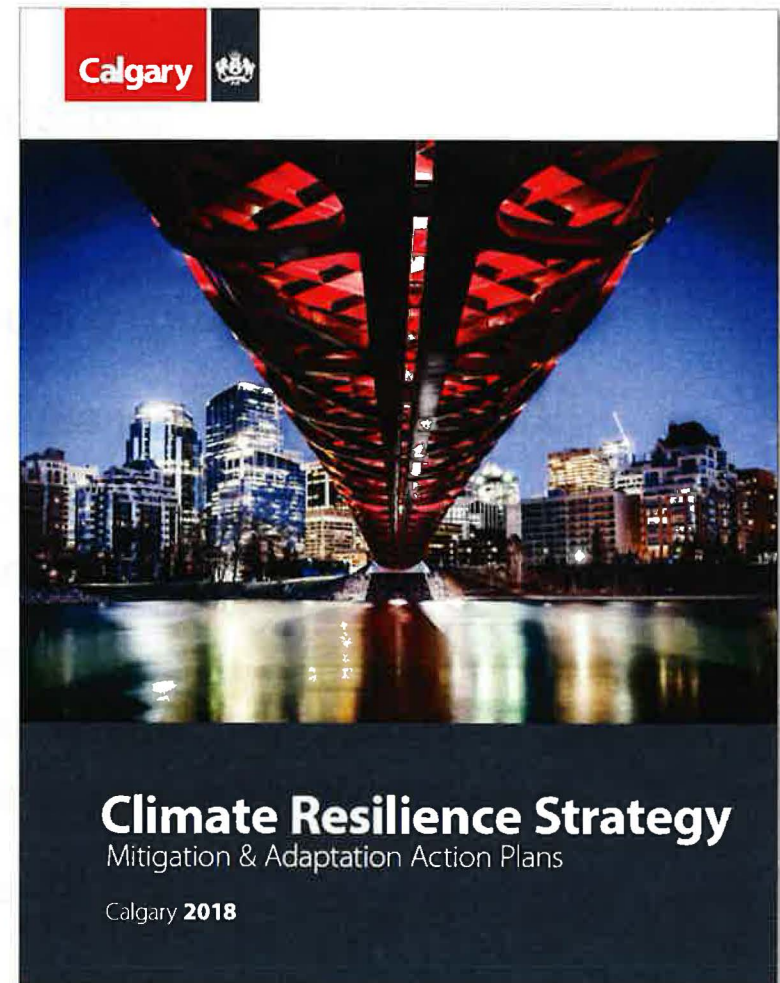
Target - city-wide GHG reduction of 80% below 2005 levels by 2050

Climate Resilience Strategy: Community Planning Actions

*3.1 Develop an approach to **ensure large scale developments consider the feasibility of low-carbon energy systems** as part of the approvals process including: solar photovoltaics, combined heat and power, and other technologies where appropriate*

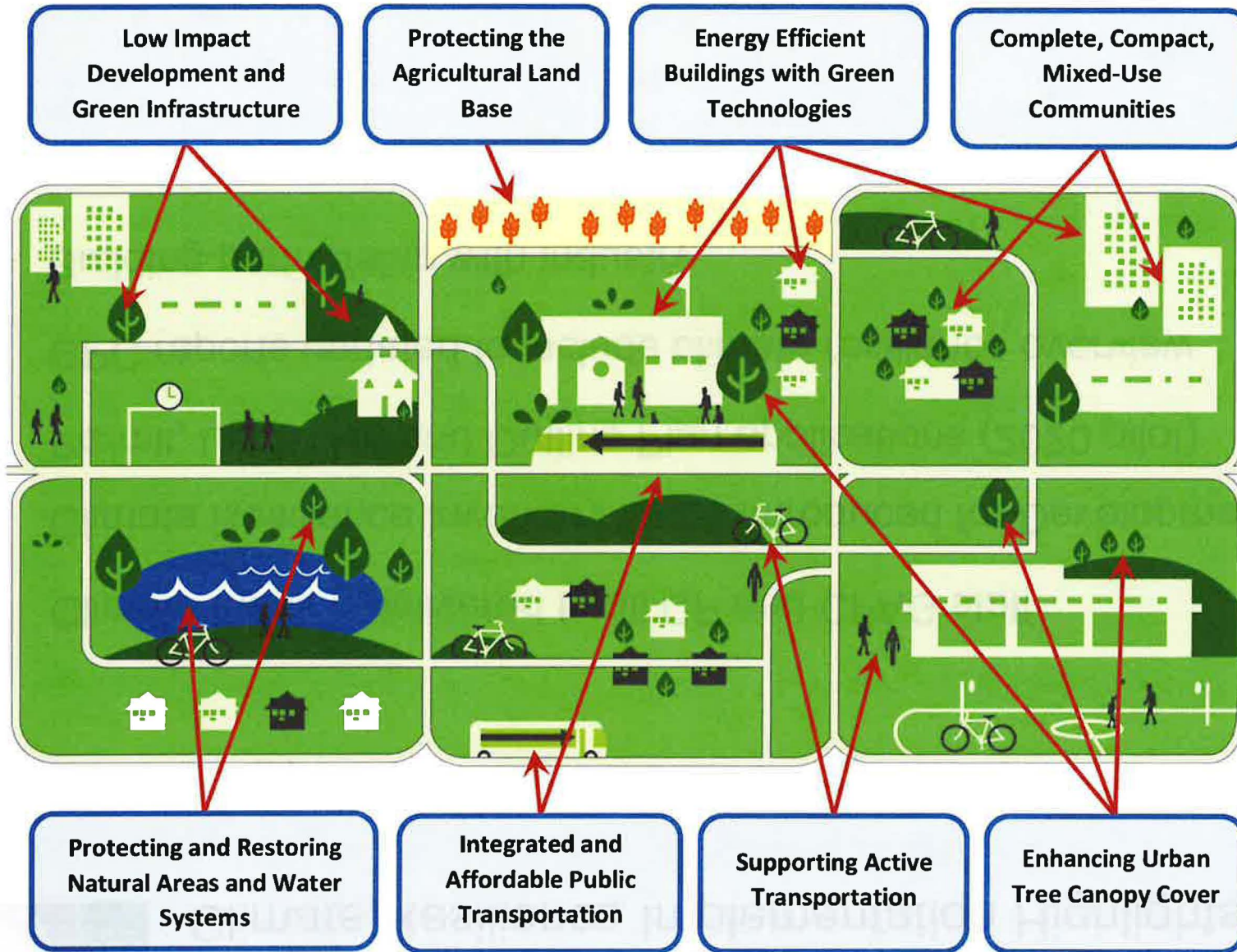
*3.3 Support the **implementation of district energy systems***

*12.3 **Align Local Area Plan policies with areas identified by Water Resources as disaster prone** and undertake consultation and policy amendments to reduce potential damage to life and goods, and manage risks*





Components of a Climate Resilient City



The Regional Municipality of Peel, 2018



Community Planning - Climate Resilience Implementation Highlights

1. Climate training delivered to all CP and CPAG staff
2. Climate Resilience Inventory forms introduced for Development Permit, Land Use and Outline Plan applications (2020 pilot)
3. CPC reports updated to include climate resilience overview
4. Building partnership with industry



CLIMATE RESILIENCE INVENTORY
Outline Plan and Land Use

Application Number

For a helpful resource to assist in completing this form, please refer to the "Climate Resilience Inventory User Guide". For assistance contact CPclimate@calgary.ca

Project Address		Applicant
Applicant Contact Name	Applicant Business Phone	Signature

Purpose: This form is intended to assist in the evaluation of applications for alignment with the climate policies of the Municipal Development Plan and Climate Resilience Strategy. Information provided will be used to advance implementation of these policies at The City and inventory current practices. While The City encourages innovation and commitment towards meeting these policy requirements, not all applications will be expected to include features which are highlighted below. Scale and scope of the project are relevant considerations.

Certification

Project is seeking certification (ex: LEED ND, BREEAM Communities):

- Yes (indicate type and level) _____
- No (explain why not) _____

Green Infrastructure

Describe any green infrastructure features of the proposal:

Green Mobility

Describe any design innovations that will support low-carbon travel (transit, active modes, EVs):

Renewable Energy

Describe if / how renewable energy sources are incorporated into the proposal:

Climate Resilience Inventory Form

- Certification
- Energy Efficiency
- Renewable Energy
- Electric Vehicles / Green Mobility
- Green Infrastructure
- Flood & Disaster Resilience
- Food Security
- Other Features
- Issues / Barriers





Goal: to create a collaborative partnership with industry in continued advancement of climate resilience actions.

1. Open working relationship with BILD; NAIOP; and interested planning consultants
2. Open exchange and review of information and material
3. Ongoing dialogue on all issues
4. Quarterly meetings scheduled



Upcoming Implementation Work

1. Establish standardized comments for planning reviews
2. Expand use of Inventory forms to more Development Permit applications
3. Monitor for issues, opportunities, and best practice examples
4. Develop metrics for performance measurement and accountability
5. Continued collaboration with Environment & Safety Management
6. Staying plugged in to emerging policy initiatives.



Calgary Success Stories: Canadian Blood Services Building

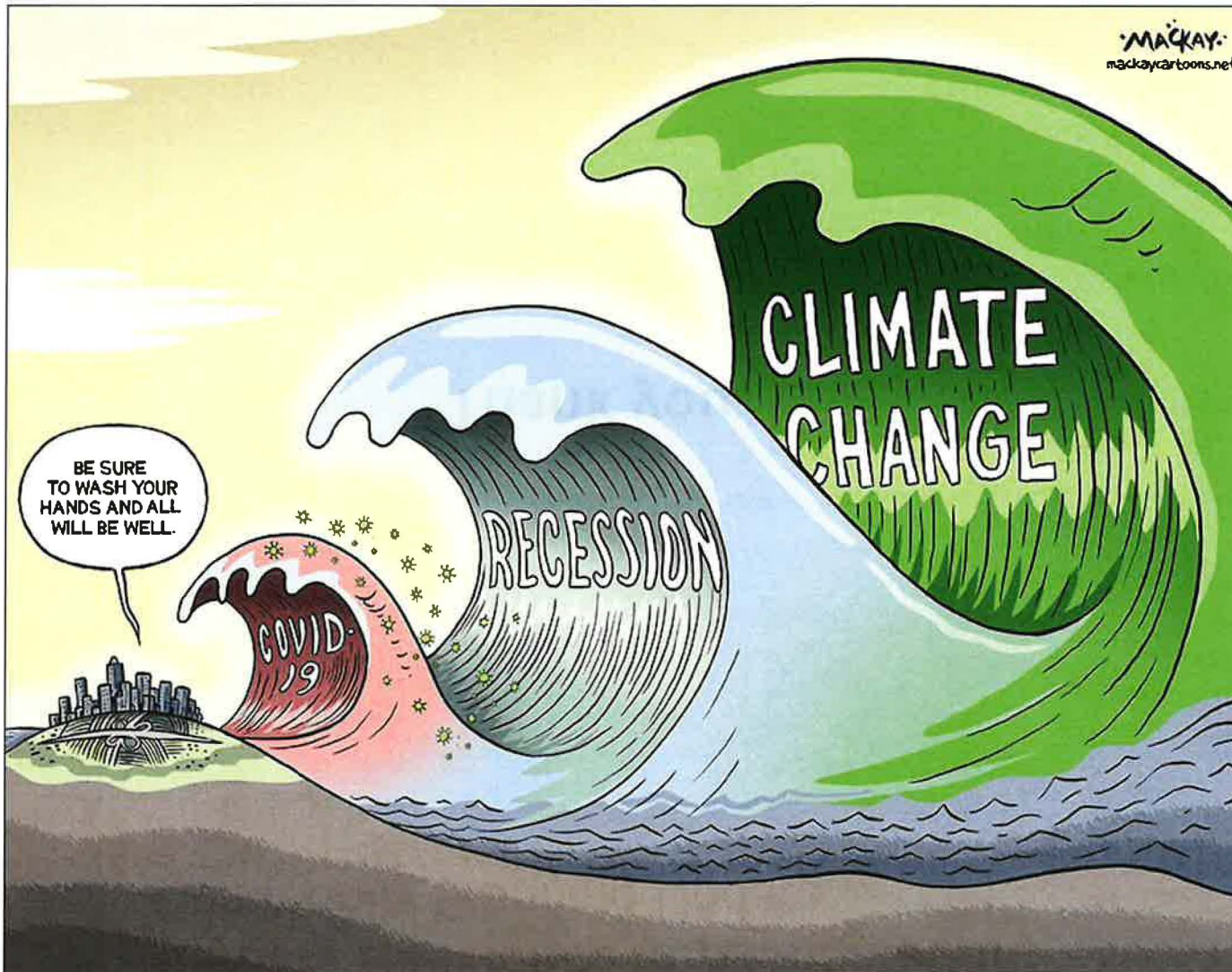
Address: 2775 116 Avenue NE, Calgary, AB (Stoney 1)



- 220,000 Ft² building, for blood services processing
- Solar feasibility study with Development Permit identified positive business case
- Solar would also significantly reduce GHG emissions (+/- 500 tonnes / year)
- Result – installed 525 kilowatts of solar capacity – providing 25% electricity



A Closing Thought on the Calgary Context



Calgary



Climate Resilience Implementation: Community Planning Update

Thank you