

# Calgary Climate Hub

## Presentation to the Priorities and Finance Committee

A Well-Run City:  
A Climate-Positive Budget for current and future Calgarians



# Who is the Calgary Climate Hub?

- **Vision:** Calgary to become a leader on climate action and successfully transition into the future economy.
- **Mission:** To support and influence City of Calgary planning and processes to ensure citizens are engaged, that sufficient resources are provided, and that plans are adequate to meet climate targets
- **Membership:** We represent a large number of diverse Calgarians concerned with climate change.

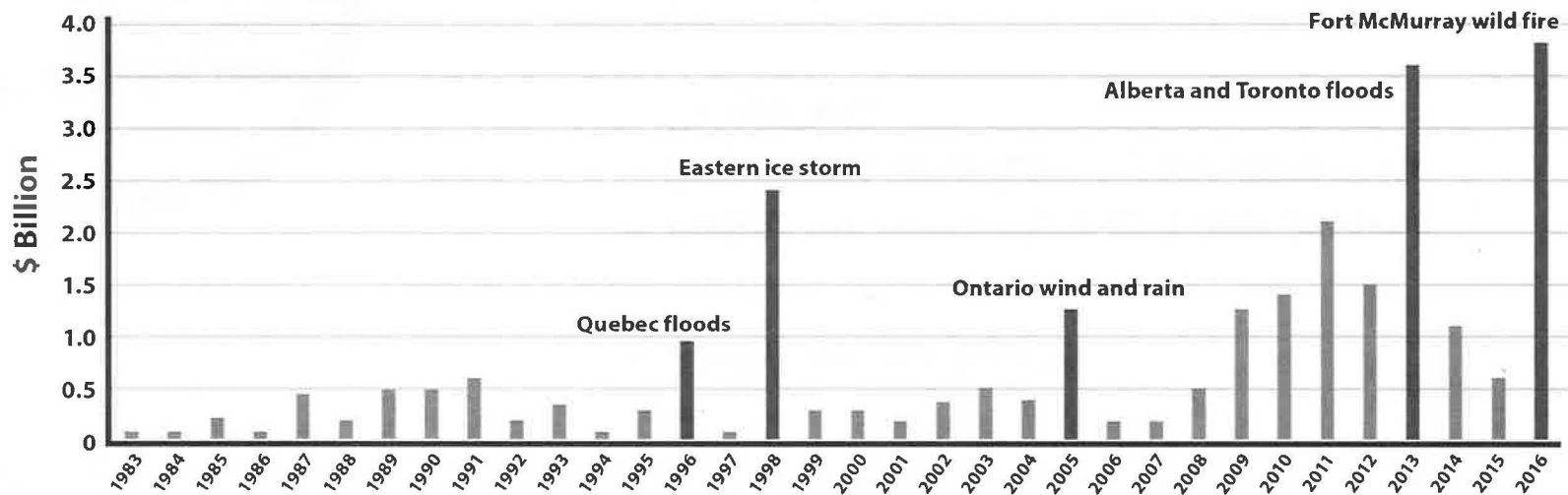




# The *Climate Resilience Strategy* is a valuable move in the right direction:

2018 climate adaptation action plan

**FIGURE 6 – CANADIAN CATASTROPHIC INSURED LOSSES (INSURANCE BUREAU OF CANADA)**



It demonstrates that climate change threatens our prosperity...



## ...and that a climate-positive city is:

### The Economics of Low Carbon Development: Calgary, Canada

Andrew Sudmant, Matt Tierney, Eduard Cubi,  
Effie Papargyropoulou, Andy Gouldson, Joulé Bergerson



- Better financially than “business as usual”
- Better for our health
- Better for vulnerable and low-income Calgarians, and future generations of Calgarians
- Better for our safety and security
- Better to diversify and stimulate our economy, and create new jobs

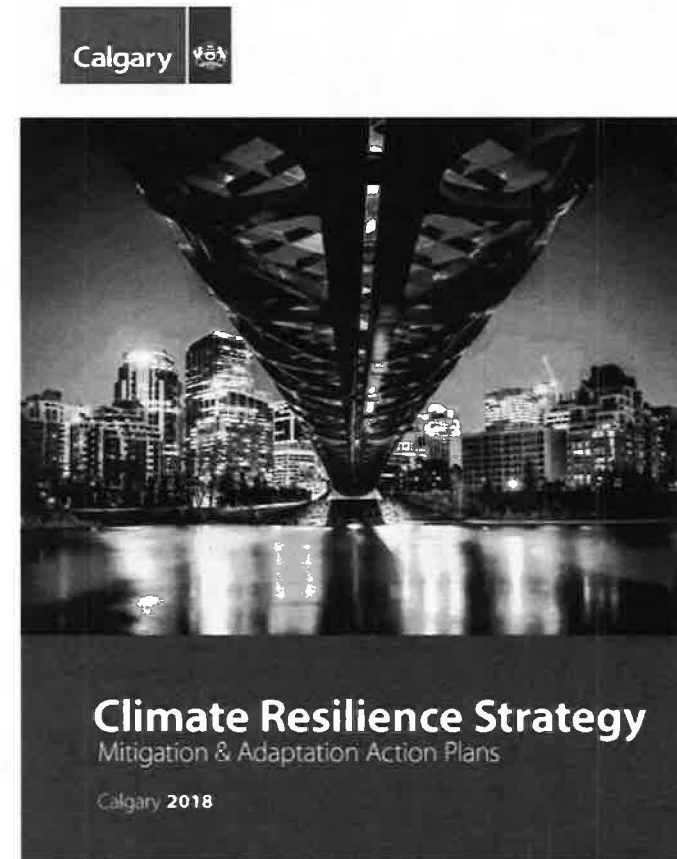


# Overall Climate Principles for One Calgary

## A Climate-Positive Budget for current and future Calgarians

**Principle #1.** Fund and monitor the Climate Resilience Strategy during this budget cycle – not to defer to the second business cycle!

**Principle #2.** Apply a Climate Lens to all priority areas and in appropriate service lines





# Climate Needs for A Well-Run City

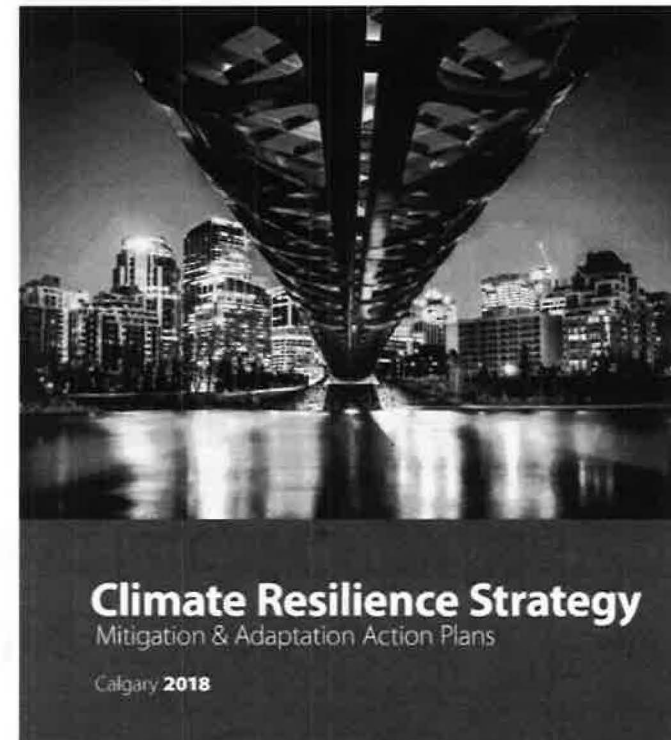
## A Climate-Positive Budget for current and future Calgarians

**Need #1.** Adopt *Innovative, environmental,* and *long-term* accounting methods for capital projects and procurements

**Need #2:** Create a Low Carbon Action Committee

**Need #3:** A Strong Corporate Governance for the Climate Resilience Strategy

**Need #4:** Adopt innovative financing mechanisms and a PACE funding program





## Climate Need #1. Adopt *innovative, environmental, and long-term* accounting methods

Use a “climate lens” when implementing City Plans and Strategies

- Consider Ecological Footprint – Embedded Costs and Externalities for capital projects and procurements (Comprehensive integration of land, air, and water use)

Transparent and effective enforcement of the City’s Sustainable, Environmental and Ethical Procurement Policy (SEEP), with monitoring and annual reporting on social and environmental benefits

Adopt a full-life cycle accounting for capital projects

- Look beyond quarter to quarter budgeting
- Include escalating carbon pricing in budget documents
- Factor costs from “cradle to grave,” i.e. from production to disposal



## Climate Need #2: Create a Low Carbon Action Committee

- Create and fund *Low Carbon Transition and Climate Action Committee* of climate scientists and organizations involved in climate change and sustainability
  - Monitor and advise on implementation of the *Climate Resilience Strategy*
- Provide and fund a broad range of meaningful engagement opportunities for Calgarians on Climate Resilience Plan implementation







# Climate Need #3: A Strong Corporate Governance for the Climate Resilience Strategy



## City Auditor's Office

assurance, advisory and investigative services

Give executive responsibilities to City Manager Mandate and provide resources to the City Auditor's Office to ensure proper monitoring and reporting of results achieved

In the next Accountability Report for Action Plan, add the two following Performance Measures:

- Carbon Emissions Reduction
- Implementation of the City Climate Mitigation and Adaptation



PFC2018-0088  
ATTACHMENT

Action Plan 2015-2018

Final Accountability Report for Action Plan





## Climate Need #4: Adopt innovative financing mechanisms and a PACE funding program (1/2)

- Allocate resources to establish and monitor the Property Assessed Clean Energy (PACE) program in partnership with Energy Efficiency Alberta
  - Innovative tier-financing program that contributes to energy efficiency and greenhouse gas reduction
  - Foster a green economy by stimulating activities in renewable energy and energy retrofits building
  - Successfully implemented in California





## Climate Need #4: Adopt innovative financing mechanisms and a PACE funding program (2/2)

**FINANCIAL POST** Nov 3, 2017

### Ottawa becomes first municipality in Canada to issue green bonds

*Barry Craddock: Mark Martin, manager of treasury for Ottawa, said the issue's success arose from a number of factors*



The Canadian flag above the Peace Tower on Parliament Hill in Ottawa. Photo: Agence France Presse

**FINANCIAL POST** May 7, 2018

### Canada slow to embrace green bond market, even though investors are eager to buy

*An ILCAC report calls for a more developed domestic green bond market, in large part to provide an alternative financing structure for infrastructure projects*



Among corporates, TD Bank last year completed a US\$1-billion three-year offering of green bonds. Photo: Thomson Reuters

- Investigate innovative financing mechanisms to fund improved energy performance (Action 1.4, *Climate Resilience Strategy*)
- Develop *Municipal Green Bonds*



# A Climate-Positive City aligns with many cross-corporate service plan strategies identified in the One Calgary process



## Cross-corporate service plan strategies

PFC2018-0974  
ATTACHMENT 1

- Build a resilient transportation network
- Build a more resilient and sustainable city
- Develop a dynamic and diversified economy
- Develop strategies to manage greenhouse gas emissions and reduce climate change risks and vulnerabilities
- Foster diversified communication and engagement with all Calgarians
- Increase accessibility to Transit for Calgarians
- Manage growth in a way that achieves the best possible social, environmental and economic outcomes within financial capacities
- Protect historic resources and promote arts and culture
- Provide sufficient supply of affordable housing
- Reduce corporate risks and strengthen safety and insurance
- Strengthen indigenous relations
- Support the delivery of City of Calgary services through enabling services

***“We need to recognize that we miss opportunities for innovation in management, service delivery and planning because of an existing culture of risk avoidance. We need to create a culture that embraces appropriate levels of risk, innovation, experimentation, and embraces lessons learned as opportunities to improve.”***

**Calgary City Council Directives for One Calgary**