Context 2019

'Catastrophic' climate change is accelerating faster than predicted

Climate change is accelerating, with certain discrete levels increasing, sea levels rising and ice sheets melting faster than ever, experts have warned.

130 banks holding USD 47 trillion in assets commit to climate action and sustainability

CALL TO DECLARE A CLIMATE EMERGENCY
What are Calgarians saying?

In 2019 Calgarians shared their perceptions on climate change:

- **77%** “I think we need to act now to address climate change”
- **76%** “I am concerned about climate change”
- **73%** “I want to do more personally to help prevent climate change”
- **72%** “I think Calgarians should be doing more to help prevent climate change”

A Citizen Perspectives Survey was conducted from 16-23 September 2019, asking 504 Calgarians by phone about their opinions on extreme weather events, measures taken to mitigate impacts of these events, and climate change. Questions in the climate change section were new in the 2019 survey and as such, do not have corresponding 2018 data.
Status of GHG Emissions

City Wide GHG Emissions Change: +18%

- Residential: 2005 - 4.0 Mt, 2019 - 5.0 Mt
- Transportation: 2005 - 4.5 Mt, 2019 - 6.4 Mt
- Non-residential: 2005 - 7.2 Mt, 2019 - 7.0 Mt
- Waste: 2005 - 0.1 Mt, 2019 - 0.1 Mt
Progress

36
Actions completed

166
Actions in progress

42
Actions not started

244 Total Actions

Progress Areas

1. Buildings, Infrastructure and Energy
2. Transportation and Land Use
3. Consumption and Waste
4. Natural Infrastructure
5. Integrated Watershed Management
6. Community Outreach and Education
7. Leadership and Governance
Calgary Climate Panel Recommendations

Challenges
- Implementation and Credibility
- Resources and Funding
- Alignment – Policy and Initiatives

Opportunities
- Leadership & Effective Governance
- Resource Capacity and Funding Opportunities
- Project prioritization and Partnerships
Climate Actions for 2020 (Examples)

**A Well-Managed Program**
- Low Carbon Cities Canada (LC3)
- Internal Corporate Governance
- Climate Investment Criteria
- Measurement and Reporting

**Reduced Corporate and Community Risk and Vulnerability**
- Review engineering design guidelines
- Training and technical assistance
- Collaborative actions with development industry

**Reduced Corporate and Community Emissions**
- Residential Energy Labelling
- Utilities and development opportunities
- Corporate Emissions and Energy Plan
- Climate in Planning and Development

**Awareness and Education**
- Climate 101 – Internal awareness
- Climate campaign – community awareness
- Citizen Action
- Climate data sharing
- Working with other cities

*continue with existing programs*
RECOMMENDATION:

That the Standing Policy Committee on Utilities and Corporate Services recommend that Council direct administration to:

1. Direct Administration to return to Standing Policy Committee on Utilities and Corporate services, as required, between annual reports with a briefing report update.