



Growth and Development Climate Framework 2021

PFC2021-0121



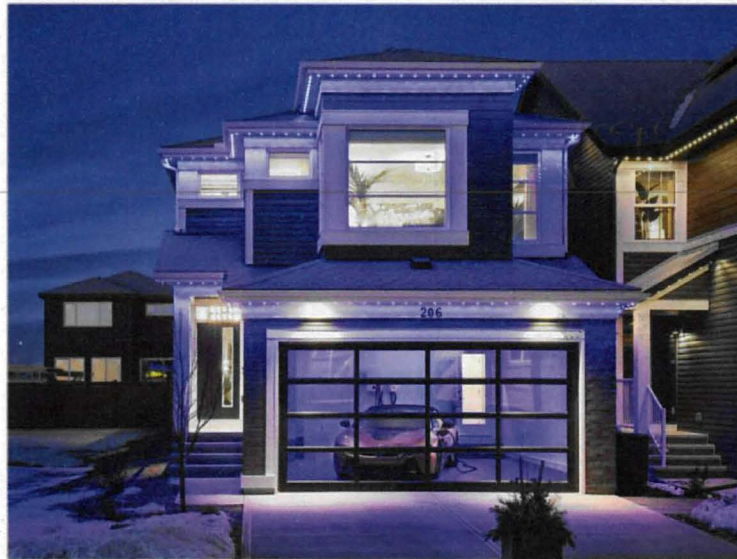
Priorities and Finance Committee

March 16, 2021

ISC: Unrestricted

What is the problem we are trying to solve?

Lowering our carbon emissions and climate risk in city building practices increases the opportunity for economic development while meeting our critical targets



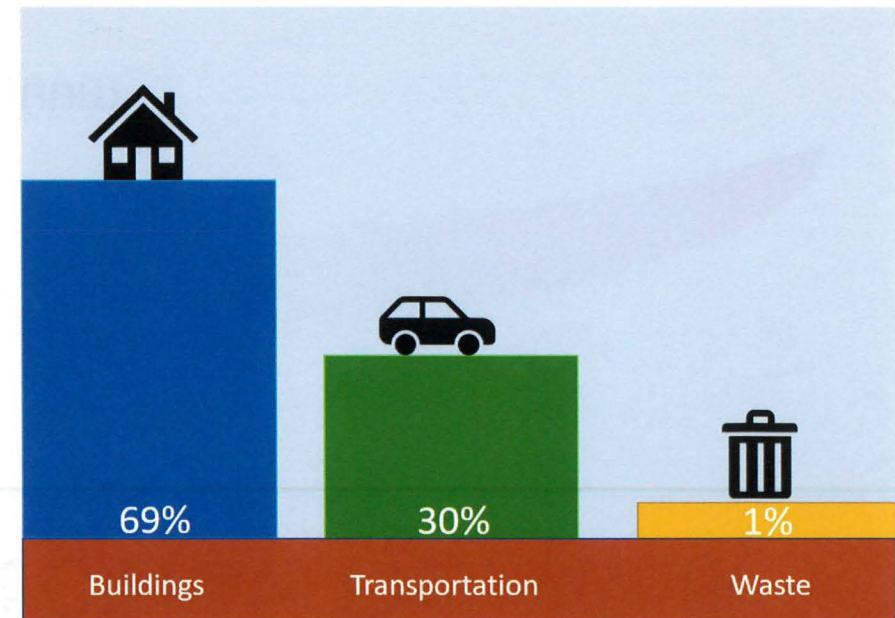
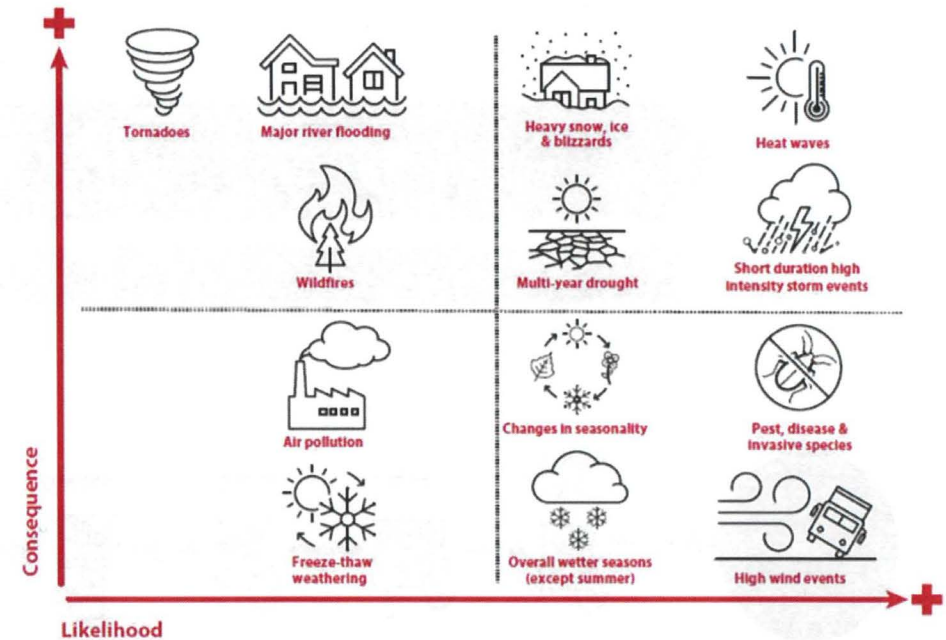
The Framework is about readying growth and development to meet regulatory changes, enabling innovation from building and development industry and increasing reputation to attract investment.



Why is this important?

- **Climate Action:** city-building decisions impact ability to take action on climate change
- **Reputation:** a modern, innovative and future-focused municipality can attract investment and new industries
- **Economic Development:** local jobs, funding and investment opportunities in buildings and development
- **Innovation:** climate innovation is already happening in Calgary – updated city-building practices can support

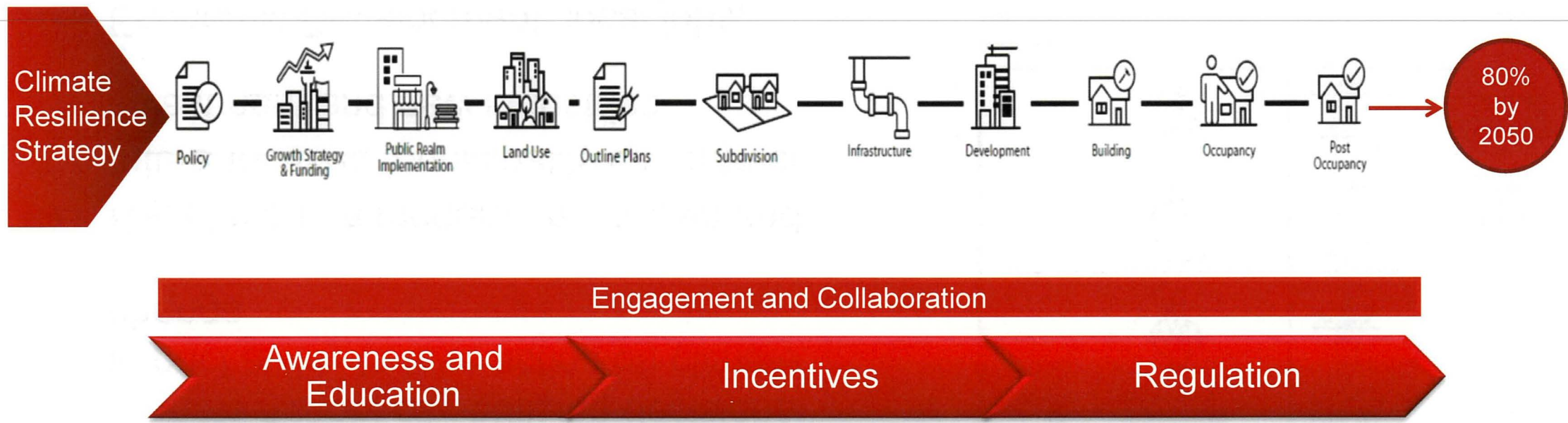
Calgary's Climate Risk Profile



Growth and Development Climate Framework



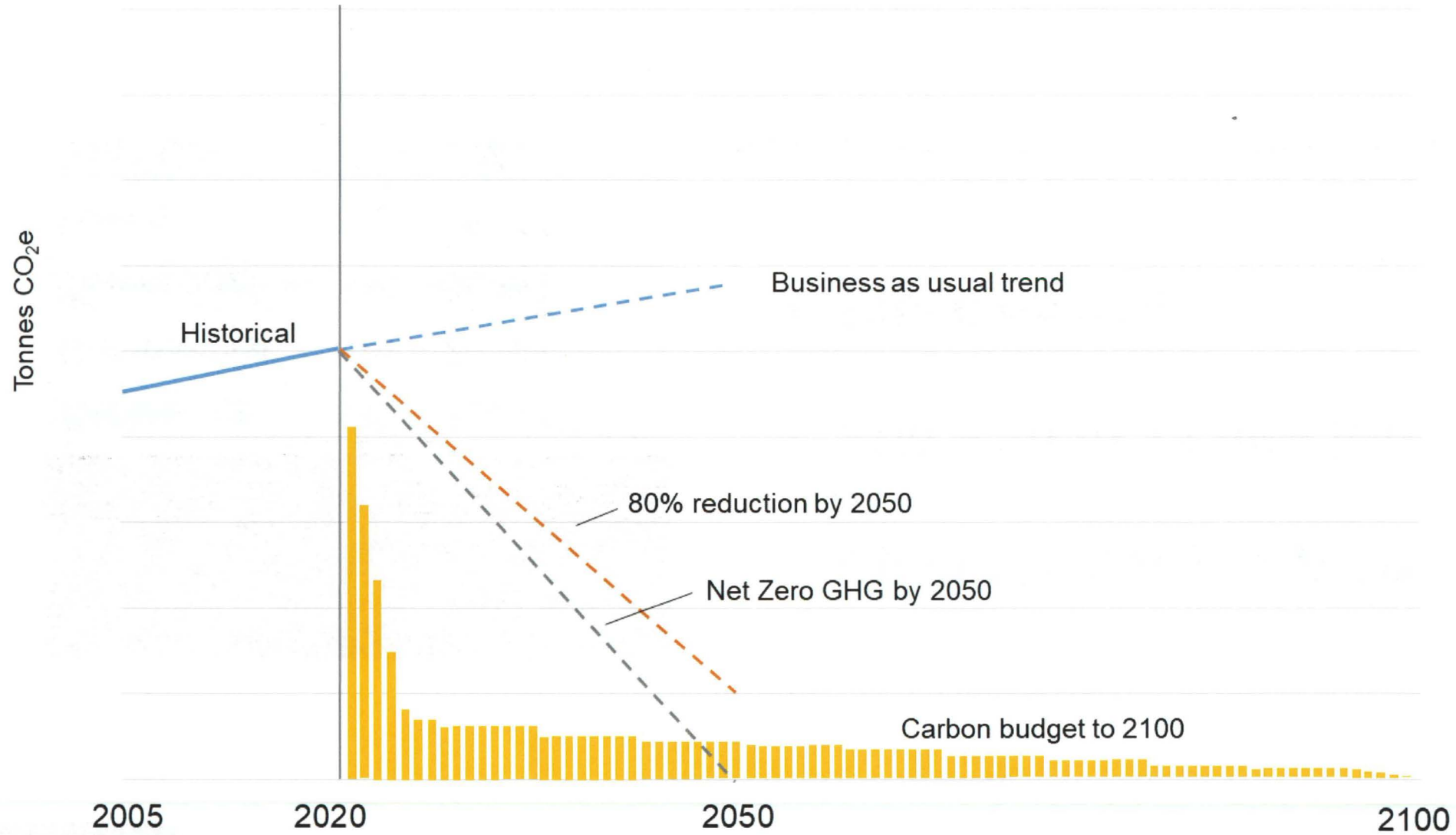
Planning Approvals Continuum



Developing a Carbon Budget

Greenhouse Gas Emissions

*For illustrative purposes only





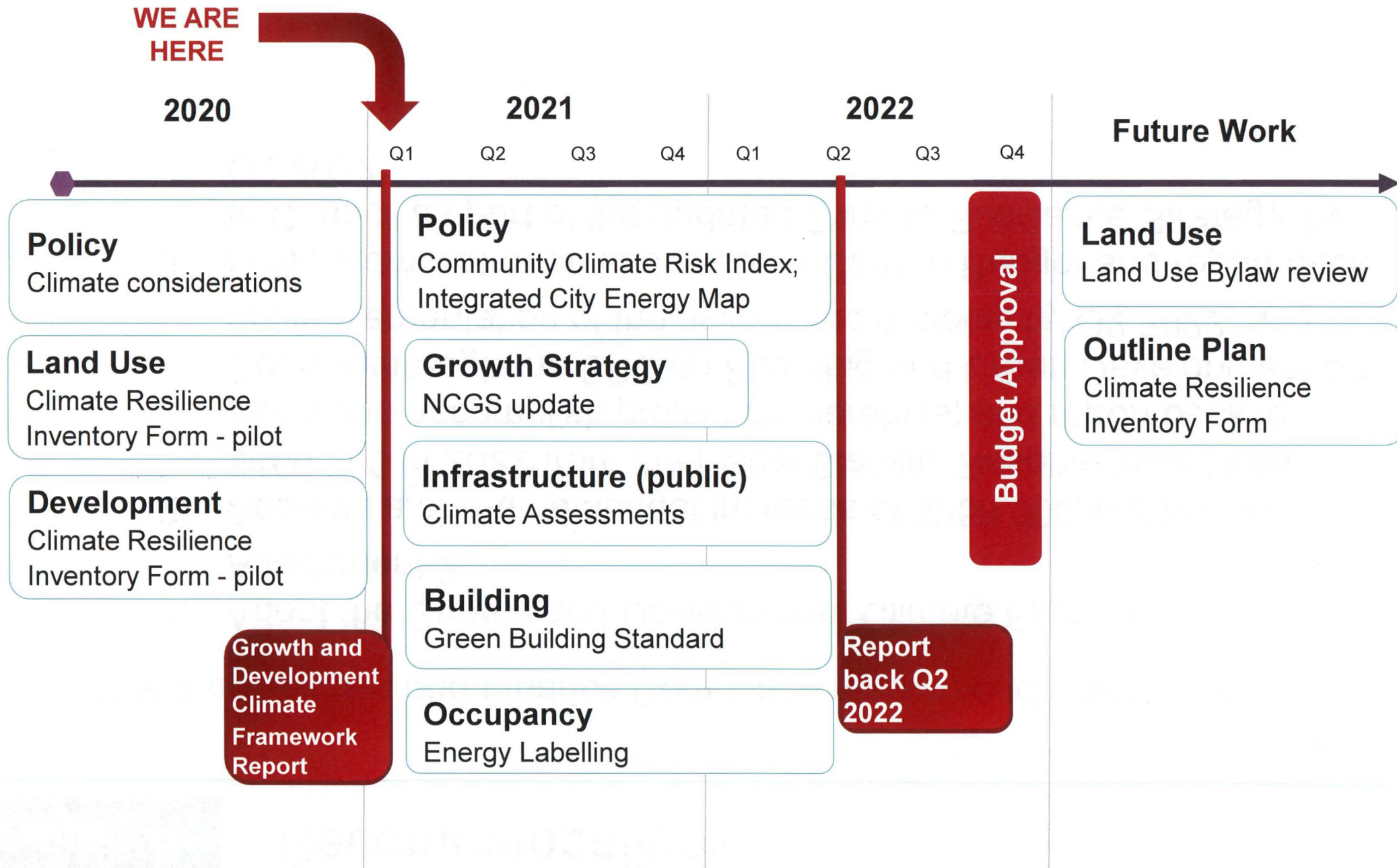
Most effective carbon reduction opportunities

| Sector | Carbon (CO2) Savings over lifetime in Megatonnes |
|----------------|--|
| Residential | 35 – 165 MT |
| Commercial | 16 – 26 MT |
| Transportation | 44 – 65 MT |
| Waste | 13 – 15 MT |
| Land Use | 7 – 12 MT |

- **Up to 860,000 job years**
- **\$1M = 10 to 13 new jobs**
- **\$1600 pp/year**

Source: Economics of Low Carbon Development Study, 2018

A Timeline for Action





Recommendations

That the Priorities and Finance Committee recommends that Council:

1. Adopt the Growth and Development Climate Framework in Attachment 2;
2. Approve a one-time budget increase of \$250,000 in 2021 and \$450,000 in 2022 from the Fiscal Stability Reserve investment income to accomplish project deliverables; and report back to Council through the SPC on Planning and Urban Development on the implementation of the associated projects by Q2 2022; and
3. Direct Administration to develop a Carbon Budget and report back to Council as part of the updated Climate Resilience Strategy, by Q2 2022