

International Economic Development Council, October 2019

Climate Change Adaptation

and Economic Development



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Selkirk



Selkirk
★
Winnipeg
●
Minneapolis

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What
if?

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Strategic Plan

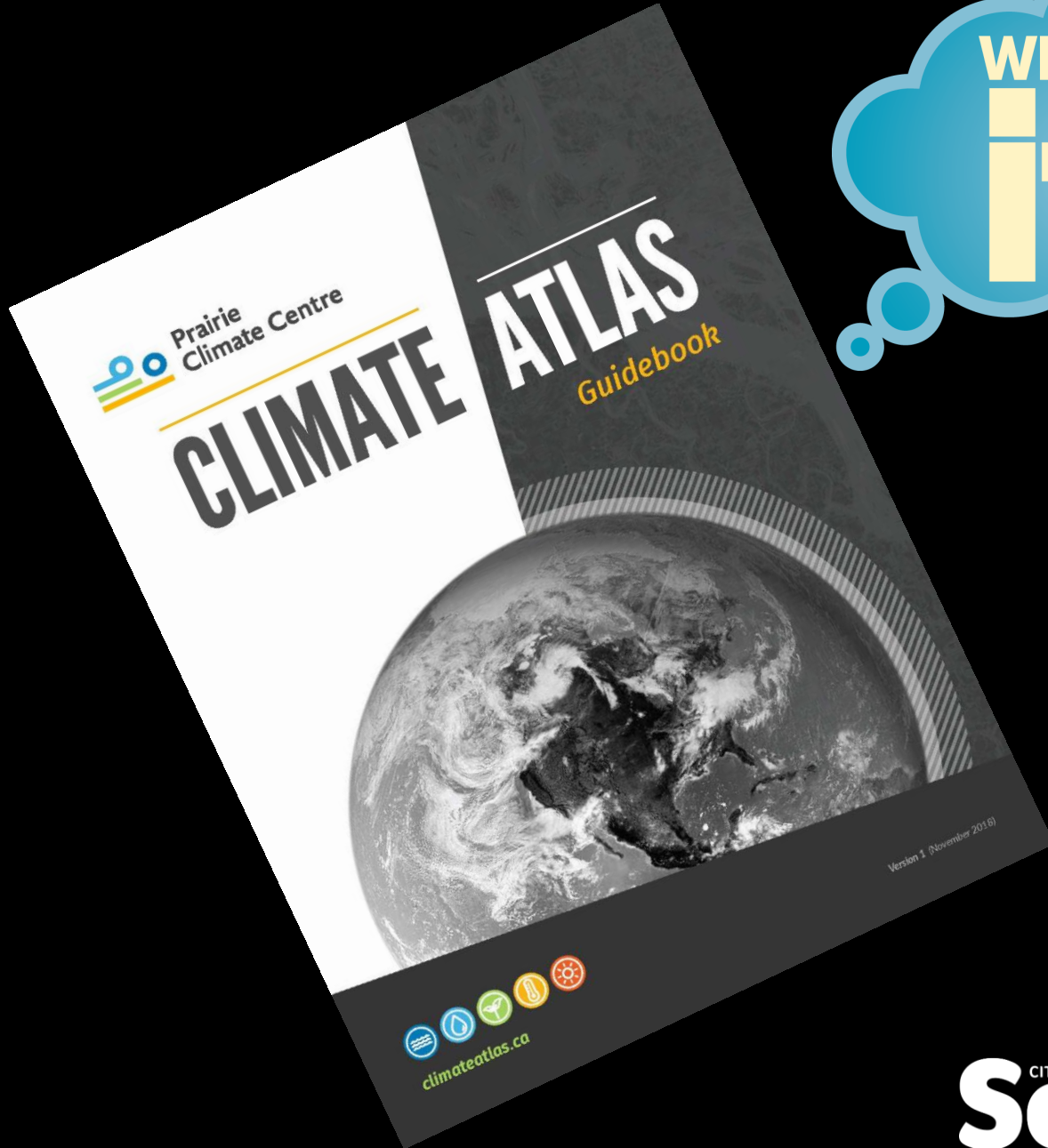


Capital Asset Management Plan



**Selkirk Climate
Change Adaptation
Strategy**

Sustainability



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more intense precipitation

more year round wind

increases in hot days

milder winters with **extreme** cold snaps

warmer summers **higher** humidity

deeper frost (less snow)

lower river levels at freezing

short term temperature variations

Vision:



“A city government that, using high-quality data and leading practices, is thoughtfully engaged in the adaptation of municipal infrastructure and services to mitigate the negative impacts of a changing climate on its citizens”

Objectives:



Gain

a better understanding of the impacts climate change is expected

Identify

consequences climate change impacts will have on the delivery of municipal services

Prepare

list of adaptation actions the city can undertake

Develop

internal capacity to anticipate climate change impacts when planning and implementing municipal services

Imbed

climate change adaptation into the city's Capital Asset Management Program and annual business planning processes

Demonstrate

leadership on the adaptation of municipal services

Establish

and build strong relationships with climate change experts to ensure access to high-quality climate data and insight into leading adaptation practices

Climate Change Adaptation

Strategy Framework





temperature **extremes**, flooding,
infrastructure **failures**, aquifer **deficits** and
droughts...



Climate Change Adaptation is about how to
anticipate, respond and **manage...**

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Measures:

- Road construction
- Stormwater Systems
- Street Trees (urban canopies)
- Alternative heating and energy solutions
- Climate adaptation policies for commercial, industrial and residential development
- Municipal land bank
- Subdivision layouts, design and specifications
- Aquifer resource management



So what does this have to do with **Economic
Development ?**



In a word...

Everything

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Provides a basket of **adaptation**
and **mitigation** measures:

- Better flood protection
- Enhanced storm sewer management and water supply certainty
- Enhanced road access certainty and support for companies
- Urban canopy program protecting employees and their families from urban heat island intensification



Encourages and supports **innovative**
climate adaptation and mitigation **solutions** and
business **opportunities**



Embeds climate **adaptation** and
mitigation into **strategic, scenario**
planning and **implementation** processes



Supports **predictability,**
competitiveness and **certainty**



Current Claims on natural disasters including floods, forest fires, and other extreme weather events are conservatively approximately **\$1 billion per year and increasing.**

Claims projected by 2050 (Canada) range between **\$21-\$43 billion per year** (and possibly higher) if mitigation and adaptation planning is not undertaken.



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