

Asset Management

The Road Ahead in Nova Scotia



Municipal Asset Management Program



This initiative is delivered through the Municipal Asset Management Program, which is delivered by the Federation of Canadian Municipalities and funded by the Government of Canada.

Who We Are

- A not-for-profit Community of Practice that provides training, education and technical assistance to advance the practice of asset management in Atlantic Canada

Presenter

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The Road Behind Us



Policy and
Governance



Asset
Inventories



Risk
Assessment



Levels of
Service



Short-Term
Projections

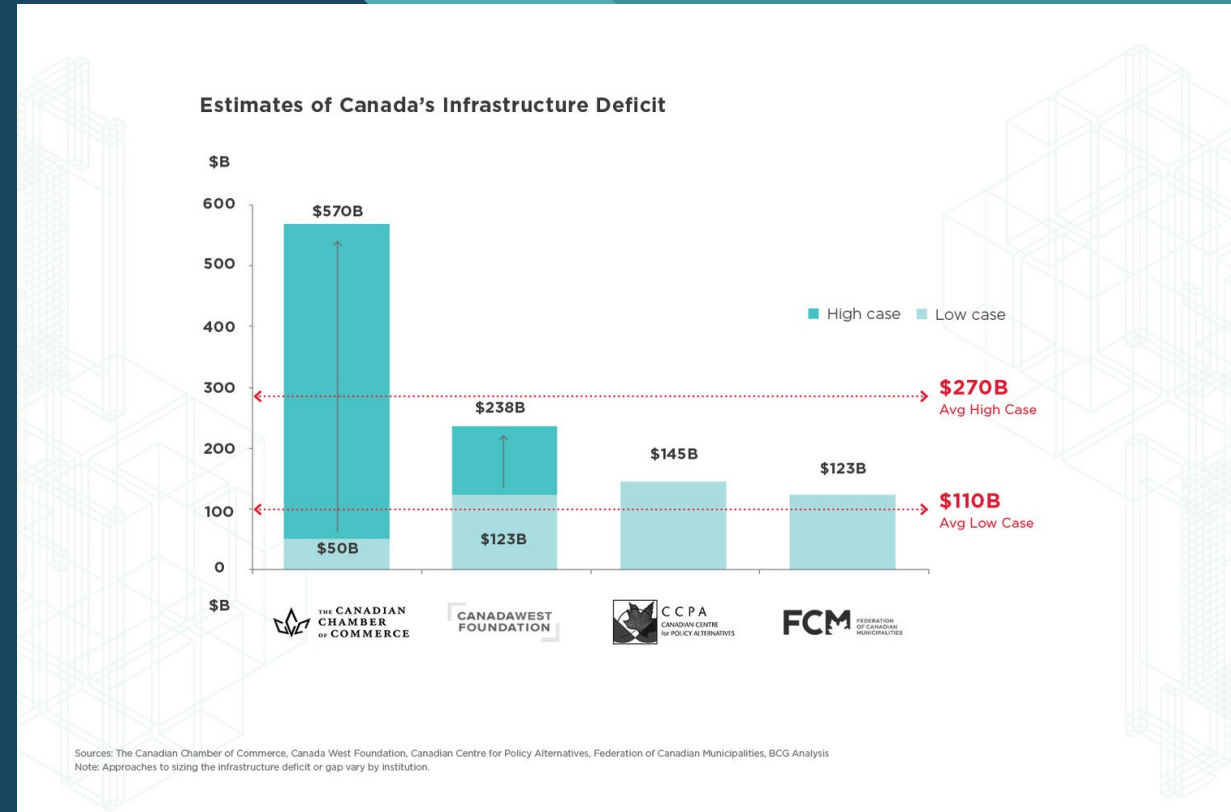


“There are enough Canadian roads in poor condition to build a road almost halfway to the moon.”

- 2019 Canada Infrastructure Report Card

Current State of Play

- \$110 - \$270 billion Infrastructure Deficit
- Majority of Infrastructure is controlled by local governments
- Estimates do not consider change in service levels from climate change



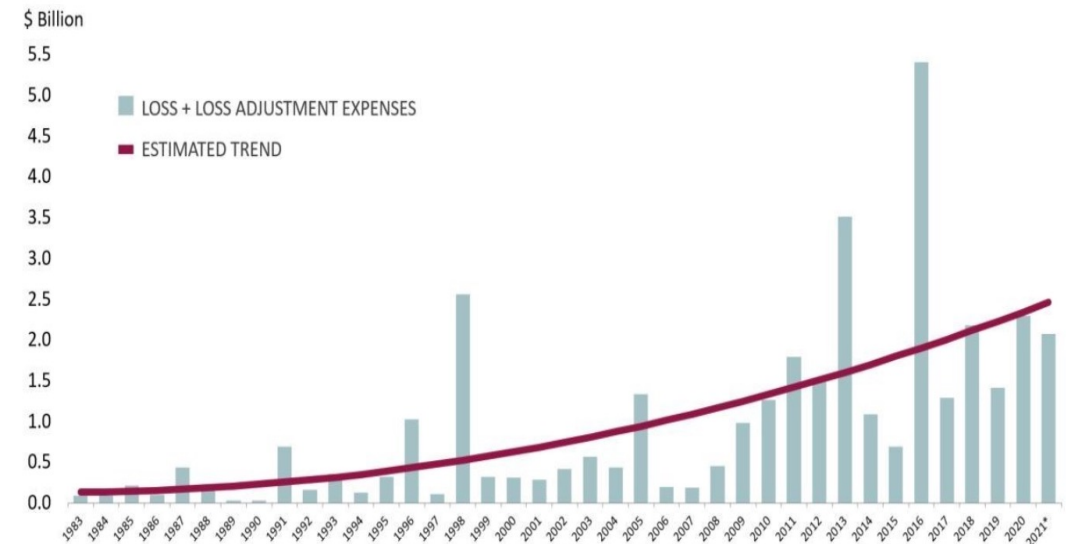
Current State of Play

- \$110 - \$270 billion Infrastructure Deficit
- Majority of Infrastructure is controlled by local governments
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- Insured catastrophic losses are increasing
- Dorian: \$102 million
Fiona: \$660 million
- Insurance rates increasing or areas becoming uninsurable



Insured Catastrophic Losses in Canada

*A catastrophic loss = 1 event costing \$25 million or more in insured damages



Source: IBC Facts Book, PCS, CatIQ, Swiss Re, Munich Re & Deloitte
Values in 2020 \$ CAN. * 2021 preliminary

Insured Catastrophic Losses in Canada (CNW Group/Insurance Bureau of Canada)

Current State of Play



- \$530 Million to Green Municipal Fund
 - Asset management and adaptation
 - Adaptation planning and pilot projects
 - Capital projects
- Shift from mitigation to adaptation
- Nova Scotia strategy to double population by 2060 – additional 25,000 residents annually
- Strong groundwork for Atlantic Canada in asset management planning
- **Municipal landscape is changing**

The Road Ahead



Strategic Plans

- What will your community look like in 50 years?
- Land use: greater density, targeted development, protect natural areas



Capital Financing Strategies

- Risk Assessment
- Levels of Service
- Growth / Revenue
- Realistic plans for limited resources



The Road Ahead



Climate Risk and Adaptation

- Vulnerability Assessments: PIEVC Protocol for large portfolios
- Funding strategies



Data Management

- Tracking performance over time
- Operation and Maintenance



Natural Assets

- How are Natural Assets contributing to your services?
- Engineers BC guides, CSA Standard

How can AIM Network help?

- Online training cohorts
 - Policy and asset management roadmap
 - Level of Service Assessments
 - Risk Assessments (Age, Development, Climate)
 - Data Management
 - Capital Planning
- Natural Assets
- Regional Climate Events
- Strategic Alignment
- PIEVC for small communities

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FCM Survey

<https://www.surveymonkey.com/r/AIMNETABACT4>



Partner Organization: AIM