

Federation of Canadian Municipalities

Climate Adaptation Programs &
Call for Applications

Helping #CDNmuni take action on climate change.

Dustin Carey

Municipalities for Climate Innovation Program



\$141 Billion

Replacement value of municipal infrastructure
in poor or very poor condition

\$5 Billion

Annual projected cost of climate change in
Canada by 2020



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*2018 CAMA Conference & Annual General Meeting
Fredericton, NB | May 29, 2018*

Agenda

Capacity Building Activities

Climate and Asset Management Network

- City of Saint John

Climate Adaptation Partner Grants

- QUEST
- Clean Foundation

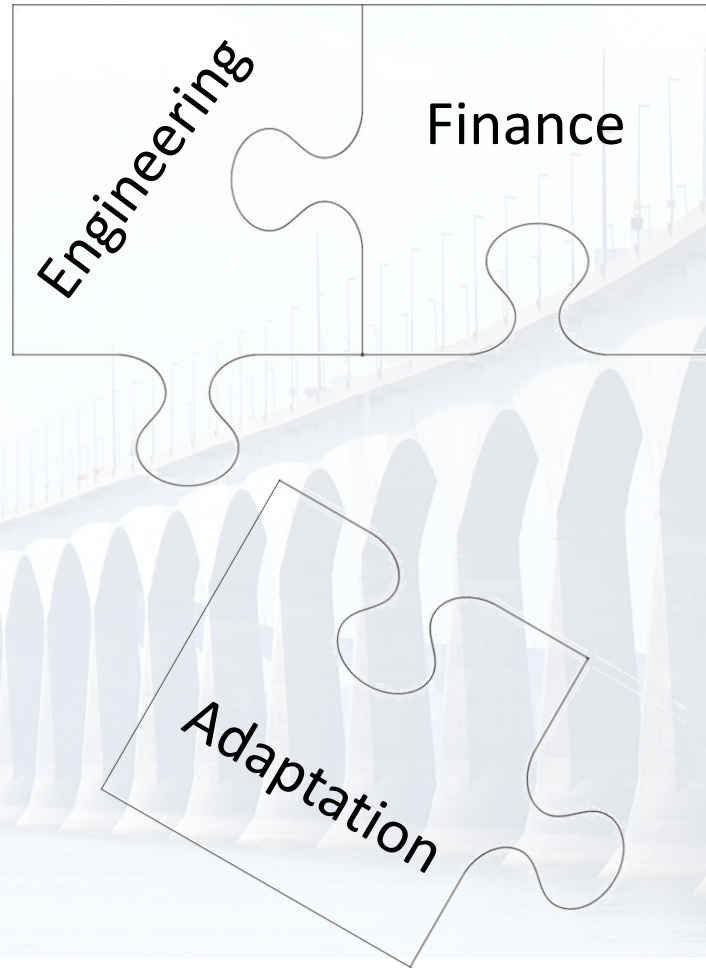
Current Opportunities

Climate Champions

Regional Advisors

Climate Staff Support Grants

Climate and Asset Management Network



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Develop or Refresh

Asset Management Policy

Asset Management Strategy

Asset Management Governance Framework



19 Municipalities



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Climate And

Collaborative
Space



Training



Funding



Expertise Provision
& Resources



Flexibility

Asset Management



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New Asset Management Guidebook

Learn how to develop asset management practices that are aligned with your municipality's strategic goals. You'll also learn:

- **What an asset management system is** and how its key components work together
- How to **develop the four pillars** of your asset management system: a policy, strategy, framework and governance structure
- Ways to **communicate your approach** to build support for asset management in all departments
- **Real-world examples** from Canadian municipalities of all sizes that have developed asset management systems
- How to integrate **sustainability goals** into your asset management practices



“Phase-2” Projects

7 of 19 Municipalities

Levels of Service

Risk Management

Lifecycle Management

City of Saint John Example

Credit: City of Guelph

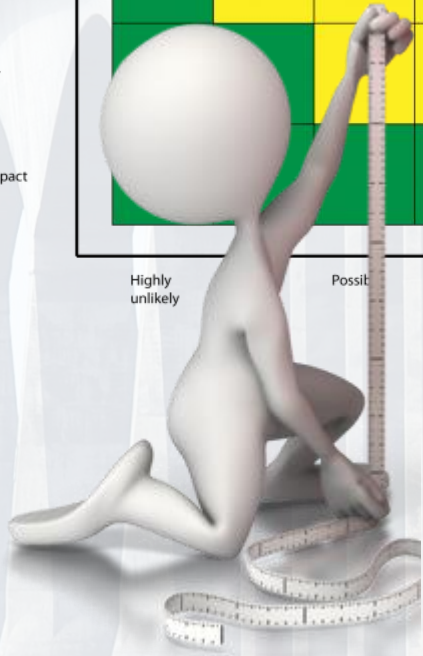
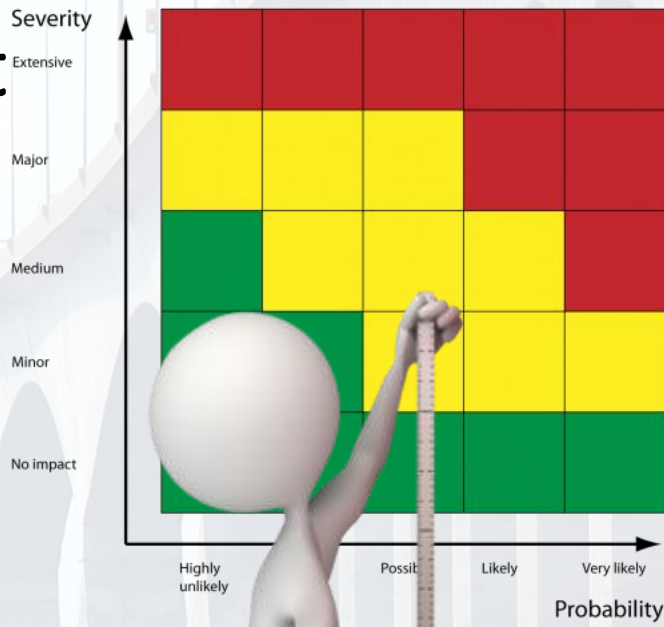
Key Service Attribute	LOS Statement	Customer/Council Performance Measures	Technical Performance Measures
Environmental Stewardship - Stormwater	Providing stormwater services that protect the environment	% of community with stormwater quality control	% of times where water quality objectives are achieved
			# of SWM ponds that have exceeded their target dredging frequency
			# of SWM ponds where effluent water quality exceeds objective
			% of community with stormwater quality treatment control
Environmental Stewardship - Transit	Providing a transit system with minimal greenhouse gas emissions	Annual greenhouse gas emissions	#/type of LID technologies implemented
			Total fuel consumption of buses per year
			# of buses with higher fuel consumption due to age
			Total energy consumption per year
Environmental Stewardship - Facilities	Providing facilities that are energy efficient	Annual energy consumption per person	Net fuel consumption/rider
			Greenhouse gas emission reduction/rider
	Providing facilities that are environmentally conscious	Annual water consumption per person	Annual energy consumption per person
			Annual water consumption per square foot
			Volume of rainwater harvested
			% of facilities that meet LEED silver design standards



Saint John Risk Management Project

By the end of Phase 2, the City will have several deliverables:

- Updated risk management framework, probability and consequence matrix which includes **climate change and sustainability goals**.
- Protocols to conduct risk assessments for all City owned and operated asset groups.
- **Conduct risk assessments** for all City owned and operated asset groups.



Climate Adaptation Partner Grants



CAPG is intended to:

- Increase municipal climate resiliency;
- Leverage external expertise;
- Develop and accelerate best practices;
- Facilitate peer-learning and collaboration.



12 funded projects in seven provinces

72 participating communities



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QUEST

Quality Urban Energy
Systems of Tomorrow

New
Brunswick

Alberta

Campbellton

Cochrane

Tracadie

Devon

Saint John

Okotoks

Municipalities and Utilities Partnering for Community Resilience initiative offer six municipalities and their utilities to administer a vulnerability assessment and prepare an **adaptation strategy for energy distribution systems**.

The initiative will deploy an **interactive mapping exercise** that allows municipalities to identify hazards, risks, and vulnerabilities, while simultaneously consider opportunities to both reduce risks and enhance community environmental performance.



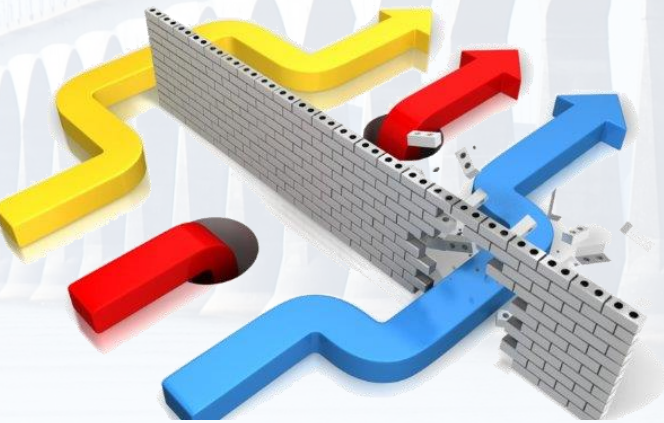
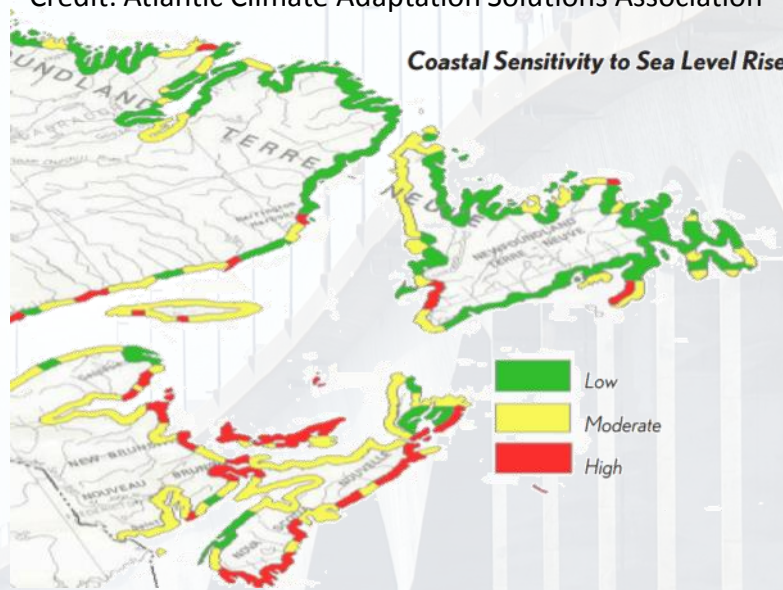
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Clean Nova Scotia Foundation

- Municipalities will identify the most pressing climate change risks
- Identify barriers to implementing steps to address these risks, laid out in Municipal Climate Action Plans



- Develop strategies to overcome these barriers, and to distill these strategies into municipal action plans with clear timelines, objectives and outcomes

- OPPORTUNITY -



Champions.

Advisors.

Staff.



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FCM Municipal Elected Official Climate Champions



FCM is looking to recruit up to 3 volunteer municipal elected officials that are climate champions to **inspire and motivate their peers.**

Specifically, MCIP is seeking municipal climate champions to support the following functions:

- Inspire fellow municipal elected officials by sharing examples of the actions they have undertaken in their own communities;
- Inspire fellow municipal elected officials by speaking about the PCP experience;
- Speak on behalf of PCP and MCIP at select events.

FCM Regional Climate Advisors

•Atlantic:

- **Nova Scotia and Newfoundland and Labrador:** QUEST Nova Scotia Caucus
- **New Brunswick and Prince Edward Island:** QUEST New Brunswick Caucus

•Quebec: Réseau Environnement

•Ontario: Clean Air Partnership

•Prairies: Eco-West

•British Columbia and Yukon: Community Energy Association



PCP Members - Free access to GHG reduction activities, as well as training and networking

- Setting and achieving GHG reduction targets
- Developing and implementing local climate action plans
- Workshops, webinars and other types of training
- Information about and help with funding, local resources and programs

Climate Change Staff Grants



- Grants of up to \$125,000 to cover the salary of one staff person
- Funding for up to 80 per cent of eligible costs over a two-year period

Apply Today!
fcm.ca

Applications are accepted until **June 29, 2018**. Limited funding is available.



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Climate Change Staff Grants



Activities must include these three areas:

- Planning related to **mitigation or adaptation**
- **Institutional and operational** changes
- **Implementation** of climate mitigation or adaptation projects



Who can apply

- Municipalities with a population of 150,000 or less, or two or more municipalities that will share services if over 150,000
- Indigenous communities that have a shared service agreement with a municipal government related to infrastructure, GHG emissions reduction or climate change adaptation



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Climate Change Staff Grants

Examples of municipal initiatives

Here are some examples of the types of municipal initiatives grant-funded staff can work on:

- Developing a climate mitigation or adaptation vision
- Preparing and holding public consultation
- Implementing feasibility study or capital project
- Setting up a steering committee



Thank You!

Dustin Carey

Capacity Building Officer, MCIP

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