



**New Brunswick
Infrastructure Institute**

**Institut des infrastructures
du Nouveau-Brunswick**

INTRODUCTION TO ASSET MANAGEMENT REPORTING REQUIREMENTS - PHASE 2

NBII Webinar
December 2023





Our Agenda

- ◆ New Brunswick Infrastructure Institute - Overview
 - ◆ Speaker: Mike Benson
- ◆ Recap of Key Asset Management Concepts
 - ◆ Speaker: Iain Cranston
- ◆ DELG Asset Management Reporting Requirements
 - ◆ Speaker: Alex Berry
- ◆ Q and A



Housekeeping

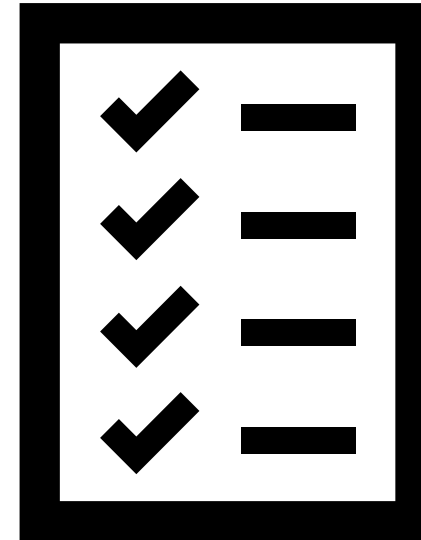


Captions are available

- You can enable them from the Zoom toolbar at the bottom of your screen

Please stay muted until the Q and A

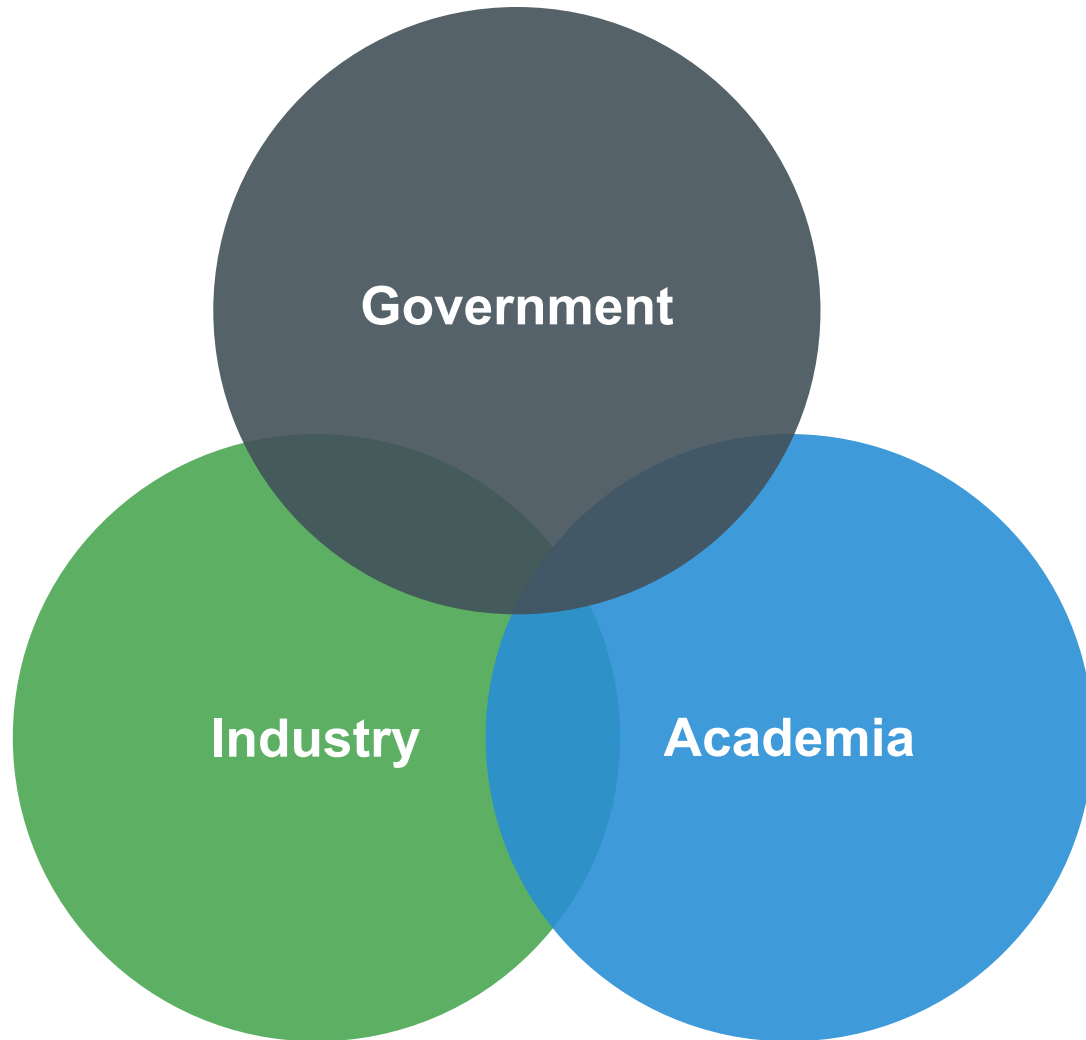
- But drop questions in the chat as you have them!
- In the Q and A period, you can raise your hand to ask your questions live





NBII OVERVIEW

New Brunswick Infrastructure Institute



MISSION

Empower **infrastructure owners and policymakers** in New Brunswick with the knowledge, skills, and opportunities to make informed and evidence-based decisions, effectively adapt to long-term challenges, and improve infrastructure and community resiliency.

Founding Partners



What We Do



Investigate

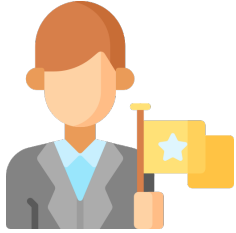


Educate



Collaborate

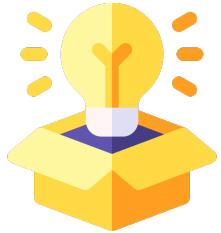
Our Values



Independence



Bilingualism



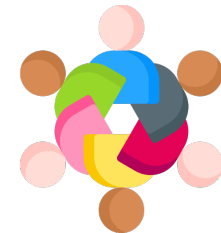
Innovation



Professionalism



Multi-Disciplinary



Diversity

What We Are Working On



New Brunswick
Infrastructure Summit

Municipal AM Webinar
Series & Needs
Assessment

New Brunswick
Infrastructure Report
Card

Infrastructure Climate
Risks & Natural AM:
State of Practice in NB

Municipal Asset Data
Management
Guidelines & Best
Practices in NB

New Brunswick
Climate Adaptation
Plan Reviews



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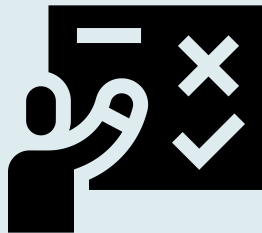
Municipal AM Webinar Series & Needs Assessment



Municipal AM Webinars

- Introduction to Phase 2 Requirements
- Educational Sessions on Requirements
- Peer Presentations from NB Communities

← **Today**



Needs Assessment

- Needs Assessment Survey
- Municipal Staff Interviews
- Summary Report to Province





RECAP OF KEY ASSET MANAGEMENT CONCEPTS



Our Value

Our Assets &
Infrastructure

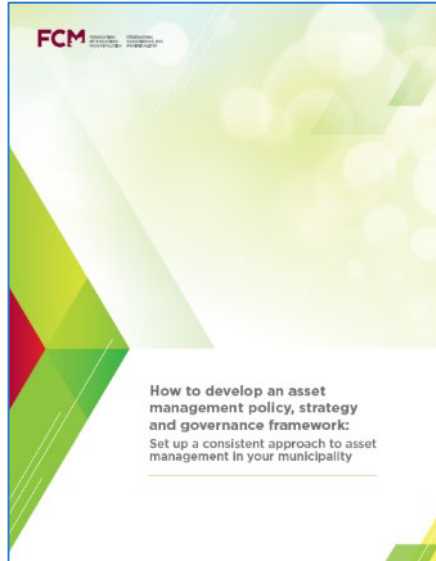


Community
Quality of Life





What is Asset Management?



Source: FCM Leadership in Asset Management Program (LAMP)

This is not something “new” – it’s better connecting what we are already doing and filling in some gaps

“Asset Management is an integrated approach, involving all organization departments, to effectively manage existing and new assets to deliver services to customers.”

The intent is to maximize benefits, reduce risks and provide satisfactory levels of service to the community in a sustainable manner – *providing an optimum balance.*

Good asset management practices are fundamental to achieving sustainable communities.”



Benefits of Asset Management to *your organization*



- More informed decision-making
- Improved management of risks
- Sustainable service delivery

“Asset management helped us improve our capital planning process. It now takes significantly less time and we have a far more effective and targeted capital investment plan.

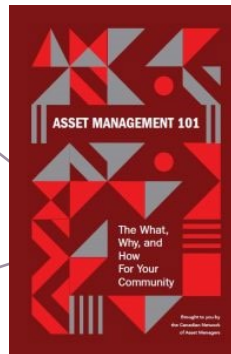
Capital budgets are now set for 5-20 years and our annual revisions ensure our budget forecast is current.

We took people through the challenge, explaining that we need to proactively manage and maintain our infrastructure.”

Tony Haddad, Chief Administrative Officer,
Town of Tecumseh, Ont. Pop 24k.



Source: CNAM AM101 Booklet



Understanding your Services



- ◆ Do we know what Service Levels we currently deliver to the community?
- ◆ Do we understand the cost of us maintaining that Service Level?
- ◆ Is our target Level of Service different from our current Level of Service?
- ◆ What is the cost to close that gap...and is the community willing to pay for it?



Understanding your Assets



◆ Important to know the basics of your Assets



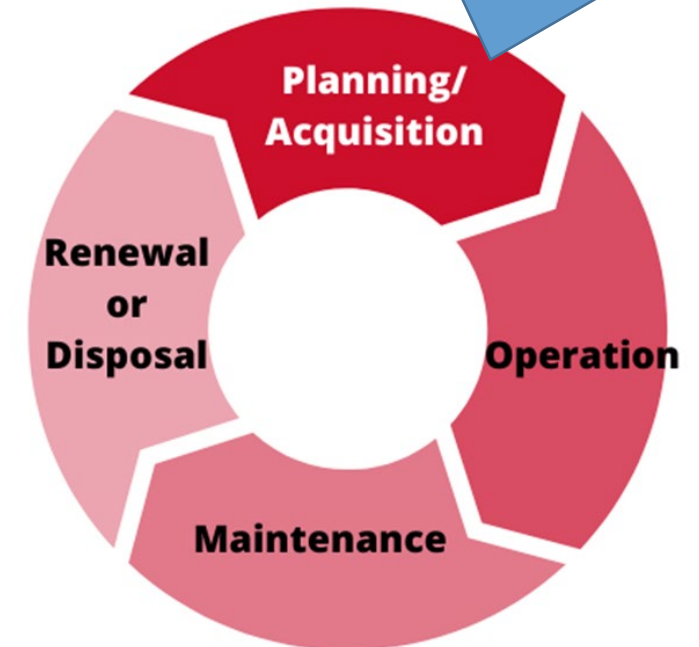
◆ Operations and Maintenance

- ◆ Are budgets adequate to deliver service levels?
- ◆ Is O&M adjusted when new assets come online?

◆ Life Cycle Planning

- ◆ Do we know future Major Maintenance costs?
- ◆ What about Renewal and Disposal costs?

Upfront Capital costs can be **as little as 20%** of the full life cycle costs



Decision Making

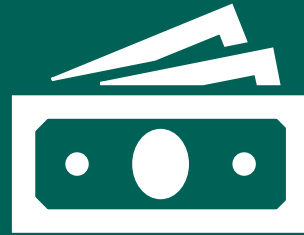


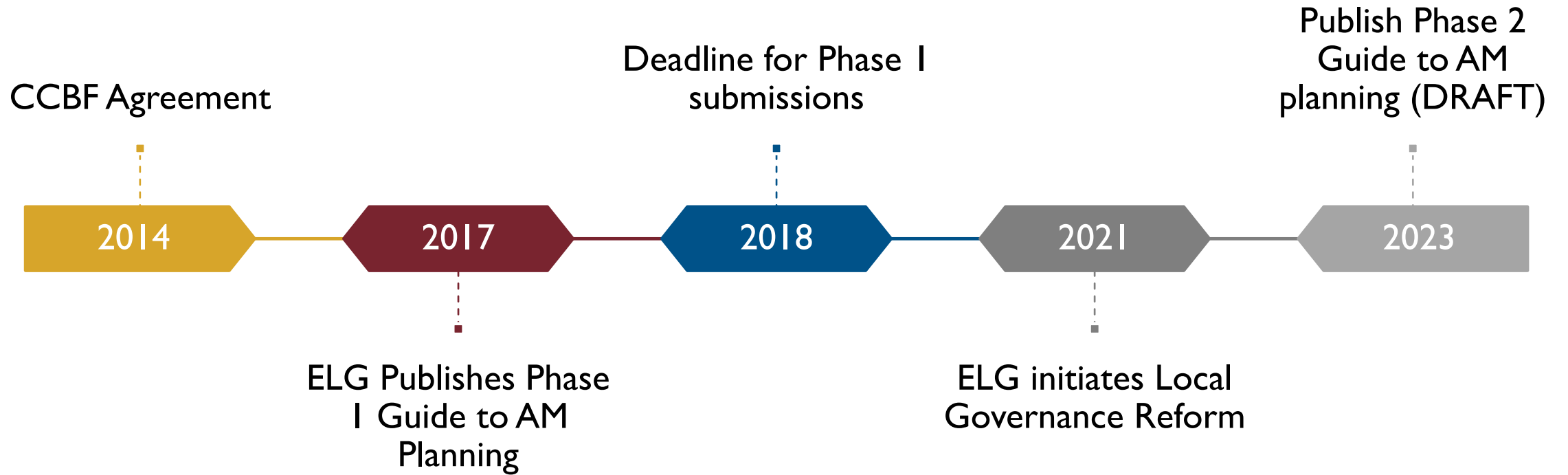


DELG AM GUIDELINES

ASSET MANAGEMENT FOR LOCAL GOVERNMENTS

PHASE 2 OVERVIEW





NB CONTEXT

An aerial photograph of a river flowing through a city. A large bridge with a teal-colored metal truss structure spans the river. To the left of the bridge, there are large white pipes or culverts. The surrounding area includes residential houses, commercial buildings, and a parking lot. The river reflects the sky and the surrounding landscape. A teal banner is at the bottom of the image.

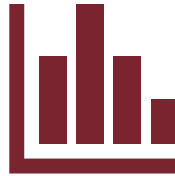
PHASE I – WHAT WE SAW

PHASE I VS PHASE 2



Incremental

Build on the success of phase I



Info to insight

Leverage the data that was collected in phase I



Define your process

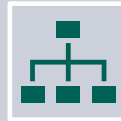
Emphasis on outlining your AM strategy, listing assumptions, and explaining rationale.

NEW REQUIREMENTS

- **Governance**
- Level of Service
- Inventory of Assets
- Risk Assessment
- Climate Change
- Condition Assessment
- Cost Analysis
- Financial Planning
- Priority Setting



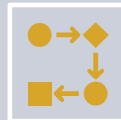
Asset Management Policy



Governance model



A description of how Asset Management policies relate to other governing documents



A procedure for periodic review with specific requirements on timelines and council approval

NEW REQUIREMENTS

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A description of services provided by local governments



A description of the target levels of service for each service category



Performance measures to track actual levels of service

NEW REQUIREMENTS

- Governance
- Level of Service
- **Inventory of Assets**
- Risk Assessment
- Climate Change
- Condition Assessment
- Cost Analysis
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- Priority Setting



A detailed inventory of all tangible capital assets



State of the Infrastructure Report

NEW REQUIREMENTS

- Governance
- Level of Service
- Inventory of Assets
- **Risk Assessment**
- Climate Change
- Condition Assessment
- Cost Analysis
- Financial Planning
- Priority Setting



Identify assets essential to delivering core services.



Definition of the risk evaluation process



Consider risk mitigation and adaptation strategies

NEW REQUIREMENTS

- Governance
- Level of Service
- Inventory of Assets
- Risk Assessment
- **Climate Change**
- Condition Assessment
- Cost Analysis
- Financial Planning
- Priority Setting



Identification of climate risks affecting service delivery



Evaluation of climate change vulnerabilities and prioritization of adaptation strategies



Identify and evaluate greenhouse gas reduction opportunities

NEW REQUIREMENTS

- Governance
- Level of Service
- Inventory of Assets
- Risk Assessment
- Climate Change
- **Condition Assessment**
- Cost Analysis
- Financial Planning
- Priority Setting



Define Condition rating scale



Define Condition Assessment procedure



Perform condition assessment for all assets

NEW REQUIREMENTS

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- Condition Assessment
- **Cost Analysis**
- Financial Planning
- Priority Setting



Acquisition costs.



Substantial maintenance and operation costs



Renewal costs



Replacement costs



Decommissioning costs

NEW REQUIREMENTS

- Governance
- Level of Service
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- Cost Analysis
- **Financial Planning**
- Priority Setting



Produce a cash flow forecast



Identify funding sources over the next 10 years



Define key assumptions



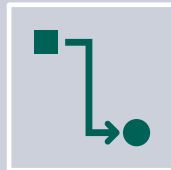
Identify strategies to manage funding gaps

NEW REQUIREMENTS

- Governance
- Level of Service
- Inventory of Assets
- Risk Assessment
- Climate Change
- Condition Assessment
- Cost Analysis
- Financial Planning
- **Priority Setting**



Identify municipal investment priorities



Define priority-setting process

NEXT STEPS



FEEDBACK



IMPLEMENT



EVALUATE

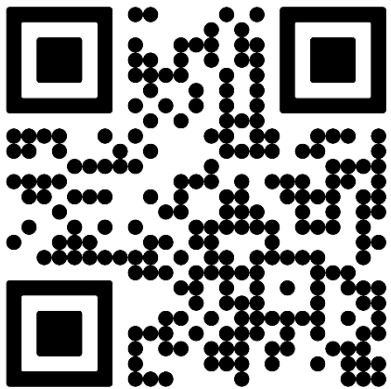


Q & A

Please raise your hand or write
your questions in the chat.

Closing

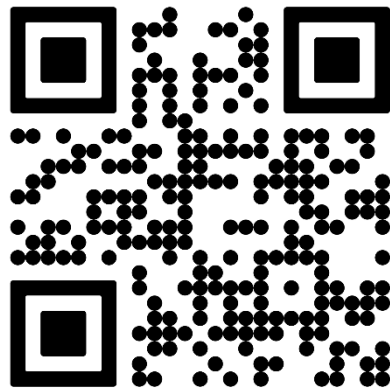
Webinar Survey



SCAN ME



LinkedIn



SCAN ME



**New Brunswick
Infrastructure Institute**

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du Nouveau-Brunswick**

**Look out for invites to
more webinars in 2024**

**Recordings will
be available early
next year**