Stop messing with my assets
A Full Circle View of Asset Management

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Workshop Outline

Who are we?

What is going on?
How are communities across Canada advancing their asset management planning?

How is this different to what you are currently doing?

Defining a broader range of assets.
Including infrastructure, natural assets and other assets your community values?

Reflecting a changing world
How does the AMP reflect your changing world and create a more resilient community?

What does this all mean?
Who are we . . .?
Founded in the mid 1940’s, Associated has around 1,000 staff in 22 offices across the country. Our head office is in Edmonton, Alberta.
What do we do?

• Design and Build - water, infrastructure, transportation, buildings, energy

• **Asset Management**
  • Asset management plans / master plans / . . .
  • Assessments & studies – risk, service, condition, vulnerability, resilience, climate change
  • Frameworks – service, risk, business process, . . .

• Environmental Planning and Assessment (permitting, bio-engineering)

• **Operations & Maintenance** Support
First Nations Clients

- We have been working with First Nations communities across Canada for over 60 years.
- We have worked with over 115 First Nations/Metis/Inuit communities across Canada.
- We recognize the importance of forming lasting relationships with our First Nations clients and know the key to success is collaboration.
What is going on?
How are communities across Canada advancing their asset management planning?
The local, national and international context

WE CANNOT AFFORD TO KEEP DOING WHAT WE HAVE ALWAYS DONE.

- Aging Infrastructure
- Community Growth
- Changing Climate & Community Resilience
- Service & Affordability

WE LIVE IN A VERY COMPLEX WORLD & FACE MANY CHALLENGES
Municipal response . . .

DATA/GIS/INVENTORY

PSAB 3150 REQUIREMENT (2009)

INVENTORY

AMBC FRAMEWORK (2011)

CONDITION ASSESSMENT

ONTARIO BUILDING TOGETHER (2014)

STRATEGY & PLANS

NWT ACCOUNTABILITY FRAMEWORK

CAPABILITY ASSESSMENTS

ISO 55000 (2014)

FRAMEWORK DEVELOPMENT – RISK & LOS

O-Reg 588/17

CONDITION & PLANNING

2015

BUSINESS PROCESS

2020

DATA ANALYTICS

MAINTENANCE MANAGEMENT

SPEND & SERVICE OPTIMISATION
O.Reg in Ontario

Requirements:

• Strategic AM Policy
• AM planning alignment with financial plans
• AM Plans – Core infra (2021) / other infra (2023)
• Publicly available
• Levels of service and risk
Framework for Sustainable Service Delivery

- It’s about **Service Delivery**
- It is a long-term game – **Sustainability**
- Links to **long-term financial planning**
- Whole of organization
Natural Assets

- **PSAB** recognizes built assets only
- Intuitively we recognize natural assets are important
- Natural assets **support** important municipal services
- MNAI developed wealth of material to support **systematic consideration of natural assets**
Integrated Asset Management Plans

Introduction

State of Assets

Objectives

Strategies

Financial

Improvement

Asset renewal

Natural assets

Improvement

Energy opportunities

Other Risks

Growth & demographic change

Maintenance Requirements

Climate change

Integrated Asset Management plans
Asset Management Tool Kits

• International, national, provincial/territorial tool kits exist

• Some municipalities develop their own toolkits

• They provide guidance on language, process, approach, and tools
Summary of Key Features

Service
- It is not about the assets!
- It is about the services provided

Natural Assets
- Using and safeguarding our environment

Organization Wide
- This is a team activity

Lifecycle Management
- Creation, operation & maintenance, renewal, disposal

Alignment
- Driven by Identity, Vision, Policy and Plans
How is this different to what you are currently doing?
How is the asset management planning different to what communities are already doing?

In groups on your table . . .

a. What parts of asset management you currently doing?

b. What parts are you not doing?

c. What are the key differences?

On your table, write some notes on the flipchart paper.
Defining a broader range of assets
Infrastructure, natural assets and other assets your community values?
Defining a broader range of assets . . .

Something that has potential or actual value to an organization . . .
What are assets?

If assets are *something that have potential or actual value to an organisation* . . .

What assets do you recognize in your community?

On your table, write some notes on the flipchart paper
How does the AMP reflect a changing world and create a more resilient community?
What climate change looks like in the coming years ....

- Winter snowpack + earlier snowmelt
- Forest fire risk; crop yields
- Reduced summer water supply
- Summer soil moisture
- Property damage; service disruption
- Flood risks in spring
- Shifts in geographical range; new pests; diseases
- Stress on animal and plant species, and shifts in geographical range of vegetation
- More disasters and need for response
- River temperatures
- Stress on fish & aquatic animals
- Frequency and/or intensity weather events (i.e. heavy precipitation, drought, flooding, landslides)
Reduce our impact

Prepare our communities

Build & protect healthy environments

Societal Impacts

Build resilience

Environmental Stress

Infrastructure impacts

Climate Change
Maintenance and preparedness are equally important

- Develop maintenance plans
- Use standard procedures
- Track O&M costs
- What will you do when it all goes wrong
<table>
<thead>
<tr>
<th>Challenge / Issue</th>
<th>Impact (asset/service)</th>
<th>Mitigation / Action</th>
</tr>
</thead>
<tbody>
<tr>
<td>River flooding</td>
<td>Property flooding, evacuation</td>
<td>Flood risk study, emergency plan, berms &amp; protection</td>
</tr>
</tbody>
</table>
What could you include to reflect the changing world?

- What challenges do you see?
- What are your community resilience implications?
- What could you do about them?

On your table, use the template handout to document vulnerabilities, implications, and potential actions.
What does this all mean?
So what . . .

- Engage your colleagues and seek help
- Get organized
- Build on your community vision and goals
- Collect data
- Develop a plan

- Communicate with your community
- Start somewhere
- Keep it simple
- Keep it relevant
What actions can you take away?

Individually or in groups:

a. What will you do when you get back to your desk?

b. What actions can you see for your community?

c. Who will you talk to first?
Asset management is more of a journey than a destination

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Come visit our booth in the tradeshow