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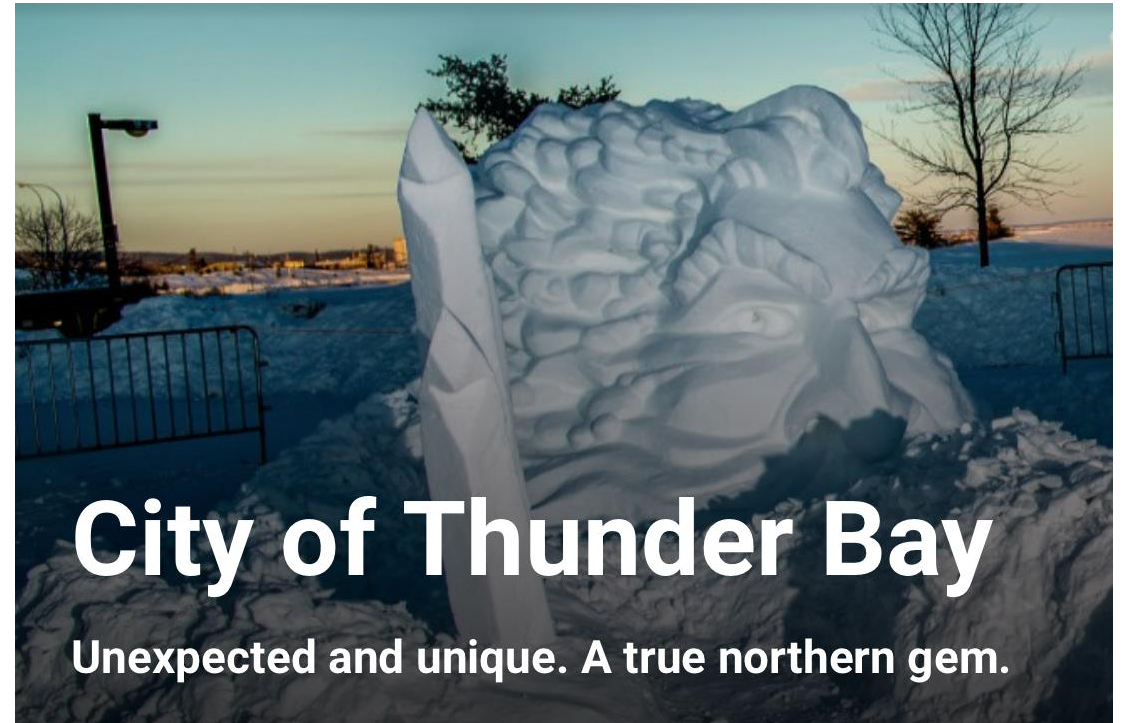
***Challenges and Lessons  
Integrating Climate Adaptation  
and Asset Management***

***March 23, 2021***

# AGENDA

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- Background
  - Asset Management Plan
  - Climate Adaptation Strategy
- Successes
- Lessons Learned
- Integration



# Thunder Bay – Where Are We?





# Asset Management Lessons and Successes

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- Make it manageable
- Don't wait until it's perfect
- Use it to inform the Community and Council



# Climate Adaptation Strategy

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➤ Process to Create the Climate Adaptation Strategy

➤ Successes

➤ Lessons Learned



# Process to Create the Climate Adaptation Strategy

- Prioritized in aftermath of 2012 Flood
- Followed ICLEI Canada's Building Adaptive & Resilient Communities 5 Milestone Framework
  - Initiate, Research, Plan, Implement, Monitor
- Stakeholder engagement to determine climate impacts
- Identified Stormwater Management, Urban Forestry, Infrastructure Asset Management, Emergency Management, and Community Planning as focus areas



# Climate Adaptation Strategy Successes

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- Broad approach to avoid preparing for “last disaster”, but “next disaster”
- Integrating Climate Adaptation throughout corporate plans and policies
- EarthCare platform with community working groups
- Collaboration with Like-Minded Partners





# Climate Adaptation Strategy Lessons Learned

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- Climate impacts outside of the municipality impact Thunder Bay
- Social impacts are extensive
- Extreme events are important, but tracking progress is as important
- Improved access to funding





# Integrating Asset Management and Climate Adaptation/Mitigation

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- FCM Climate and Asset Management Initiative and Network
- Changing climate needs to be considered in asset design
- Changing climate needs to be considered in asset investment
- Natural assets are key for both CA and AM
- Having projects identified is important





# Actionable Next Steps

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- Use your Asset Management Plan to advocate for infrastructure funding
- Climate Adaptation focus in all Plans and Policies
- Have a list of projects



THANK YOU!

QUESTIONS?



### Investment in Infrastructure

- Sanitary \$625M
- Water \$567M
- Roads \$561M
- Facilities \$424
- Storm \$304M
- Sidewalks \$227M
- Bridges \$193M
- Fleet \$78M
- TOTAL \$2.987B

### Asset Management

