

CSA's Municipal Infrastructure Solutions Program *Update*

*Working to improve municipal infrastructure
with
Practical Training & Publications*

*Presentation to
FCM Municipal Infrastructure Policy Forum
Toronto, Ontario
May 29, 2010*

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MAKING STANDARDS WORK FOR PEOPLE & BUSINESS

Ultimate Goal - Service delivery!

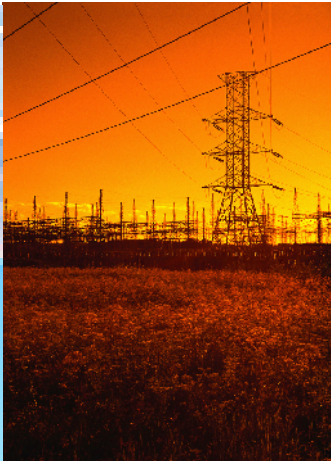
The services provided by infrastructure assets touch all of us in many ways...

Services

- Shelter
- Safety and security
- Aesthetics
- Heat, Light and Power
- Mobility for people, goods and services
- Health and recreation

Categories

- Homes & Buildings
- Transportation networks
- Energy networks
- Water, Waste, & Storm water networks
- Industrial structures
- Communications networks
- Landfills and waste depots
- Culture and recreational facilities



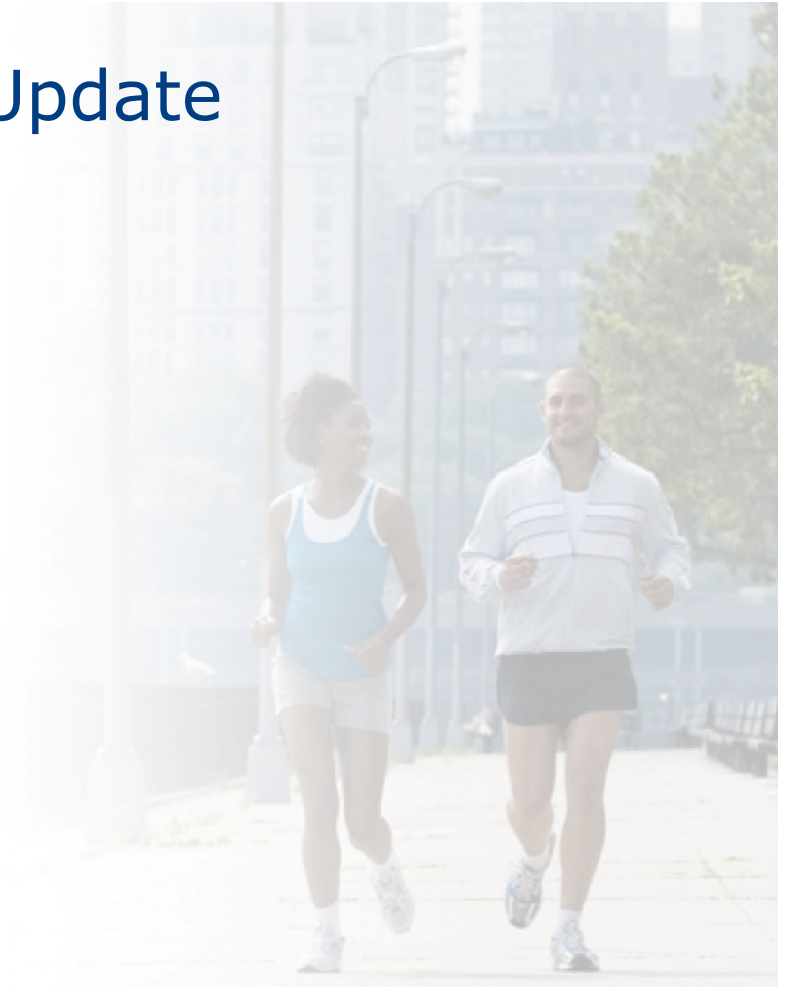
Municipal Infrastructure Solutions Program *Objectives*

- Deliver practical training & publications
 - focus on implementation
- Fill critical gaps in key areas
- Complement other initiatives
- Avoid duplication of effort
- National approach
 - But with local relevance!



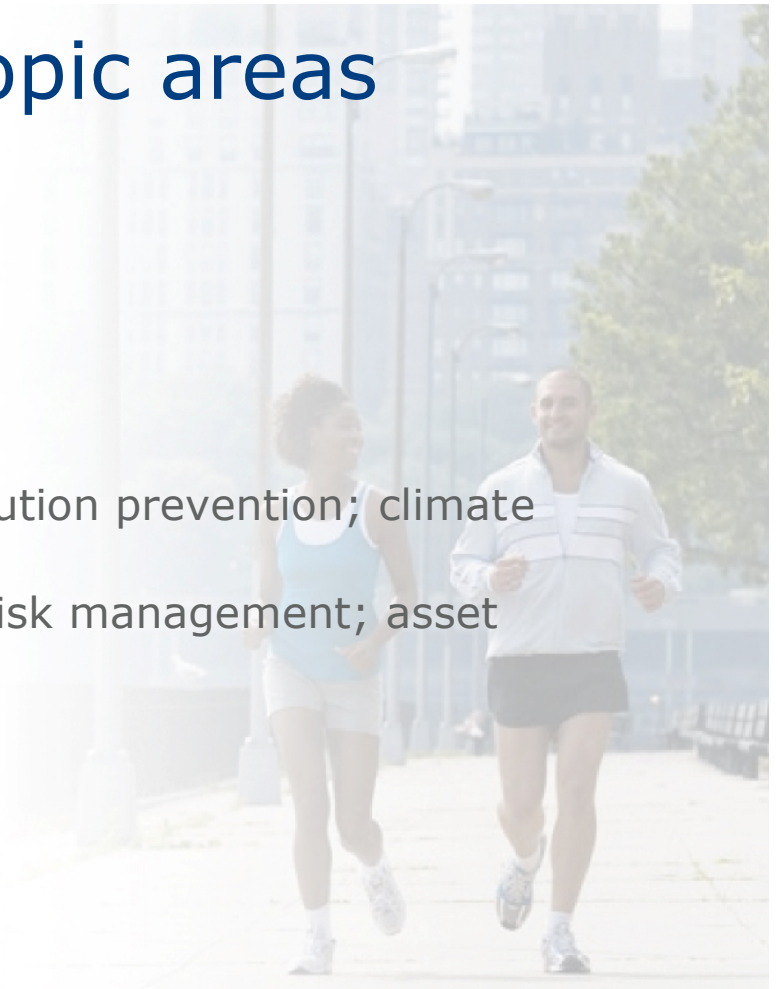
Program Status Update May 2010

- Topic Areas
- Publications
- Training
- Partnerships



Municipal infrastructure topic areas

- Predominant Asset Categories:
 - Wastewater & storm water systems
 - Bridges & Buildings
- Topics covered:
 - Environmental issues (conservation; pollution prevention; climate change)
 - Integrated Decision-making processes (risk management; asset management)
- Technology areas:
 - Inspection and performance
 - Procurement and contracting
 - Design/Failure protection
 - Deterioration assessment



Publications

1. Performance improvement tools/small to medium sized utilities – *Now available, December 2009*
2. Guide for built infrastructure in permafrost regions – *June 2010*
3. Municipal sewer pipe inspection – *June 2010*
4. IDF curve guideline – *June 2010*

Other CSA municipal infrastructure publications under development

Water/Wastewater/Storm water

- CSA B65 De-centralized waste water systems installation
- CSA B126 Potable water cisterns
- CSA B184 Storm water chambers design/installation

Cross-cutting

- CSA S250 Methods of mapping of buried utilities

Climate change adaptation

- Climate change risk management solution scoping study
- Priorities for atmospheric hazards data updates for built civil infrastructure

Training

Training Introduced:

Modern Storm water management

Part 1: Fundamentals

Part 2: Design

- Available as of November 2009
- 5 sessions held Burnaby (2), Vancouver (1), Metro Toronto (2)
- 105 attendees
- Additional sessions planned for prairies (Alberta, Sask, Man)
- Need for French under investigation with Quebec stakeholders (CERIU, BNQ, Municipal Affairs Quebec)

Training –cont'd: products under development

<i>Course Description</i>	<i>Availability</i>
Municipal procurement practice	May 2010
Implementation of rainwater harvesting	June 2010
Lot level storm water source control	June 2010
Municipal emergency mgmt/preparedness	May 2010
<i>Climate change adaptation tactics for municipalities</i>	<i>June 2010</i>
Bridge Hydraulics	June/July 2010
Energy Efficiency for Building Operators	June/July 2010
Sewer inspector training	Sept 2010

Success Factors

- Keep focus on delivering practical methods for doing things more effectively
- FCM is a valued partner

CSA MISP: Distribution

Product launch and delivery

- Partner with FCM & other organizations where appropriate on delivery; risk/profit sharing agreements

For more details...

Detailed Product descriptions & availability

Go to:

www.csa.ca/infrastructure

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