

Urban Municipal Water CEP Plan Progress Report

Wednesday, October 28, 2015



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Outline

- About AUMA
- History of AUMA's CEP Plan
- 2014 CEP Plan and Targets
- Progress on Targets
 - Total Water Use
 - Residential Water Use
 - Water Loss
- Challenges and Opportunities



About AUMA



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No Water. No Municipality.



Source: Town of Sylvan Lake



Source: Town of Hanna



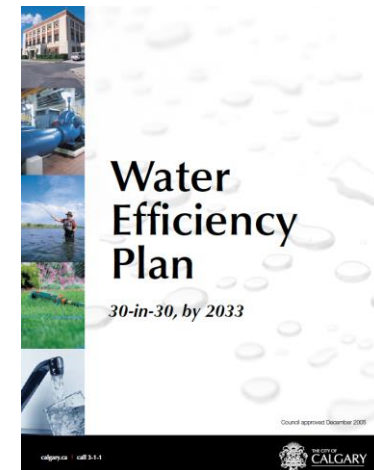
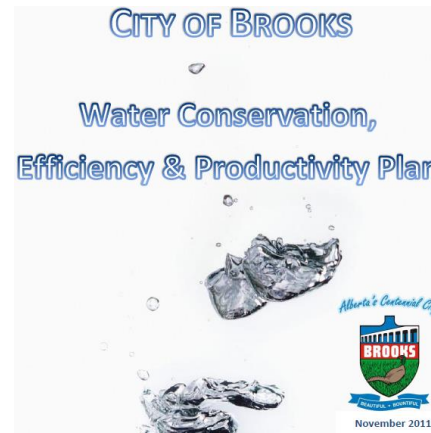
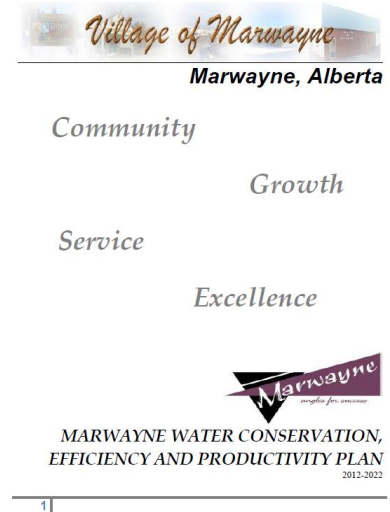
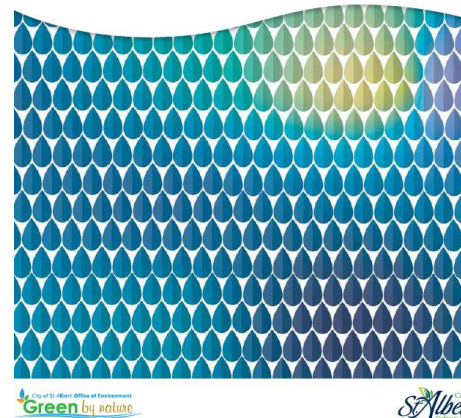
Source: Alberta Landscape Architects Association



Source: Aboriginal Affairs and Northern Development Canada

History of CEP

- Plan for urban municipal sector approved by AUMA members in 2009.
- Target areas:
 - Water use reporting to GOA;
 - Municipal water CEP plans;
 - Water audits and loss control
 - Uptake of water efficient fixtures and technologies.



Renewal

Target 1:

Alberta's municipal sector will achieve an average per capita residential water use of 195 litres/person/day (l/p/d) and a total per capita water use of 341 l/p/d by 2020

Target 2:

Alberta's municipal sector will maintain the volume of "unaccounted for" water at 10% of total water use.

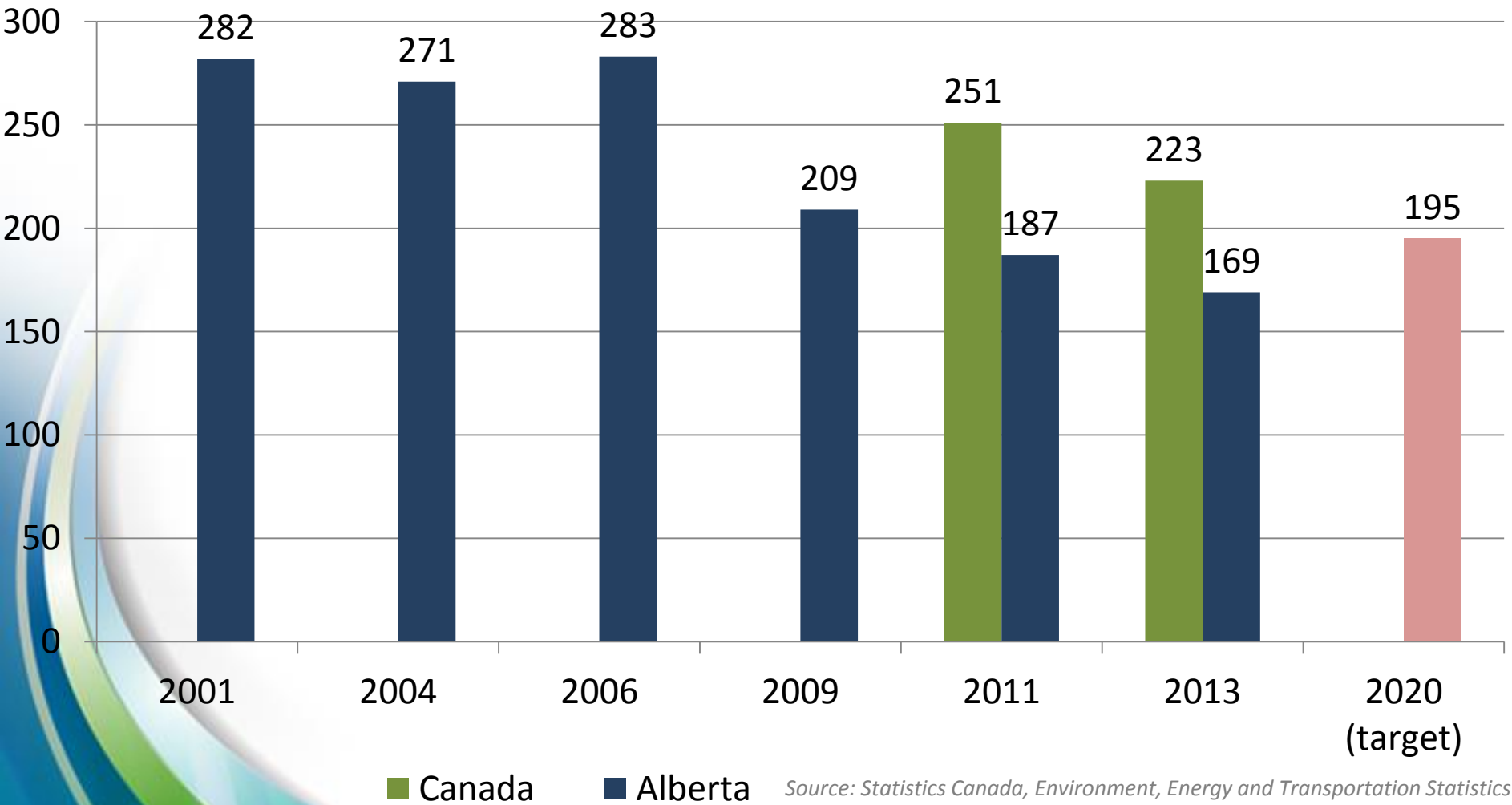
Residential water use

- Target- 195 l/p/d
- Based on:
 - Municipal Targets
 - Trends in water use
 - 30% below baseline average

Year	2001	2004	2006	Average
Water use (l/p/d)	282	271	283	278

Source: Statistics Canada, Environment, Energy and Transportation Statistics Division, Survey of Drinking Water Plants 2013 .

Average daily residential water use per capita (lpd)



Source: Statistics Canada, Environment, Energy and Transportation Statistics Division, Survey of Drinking Water Plants 2013 .



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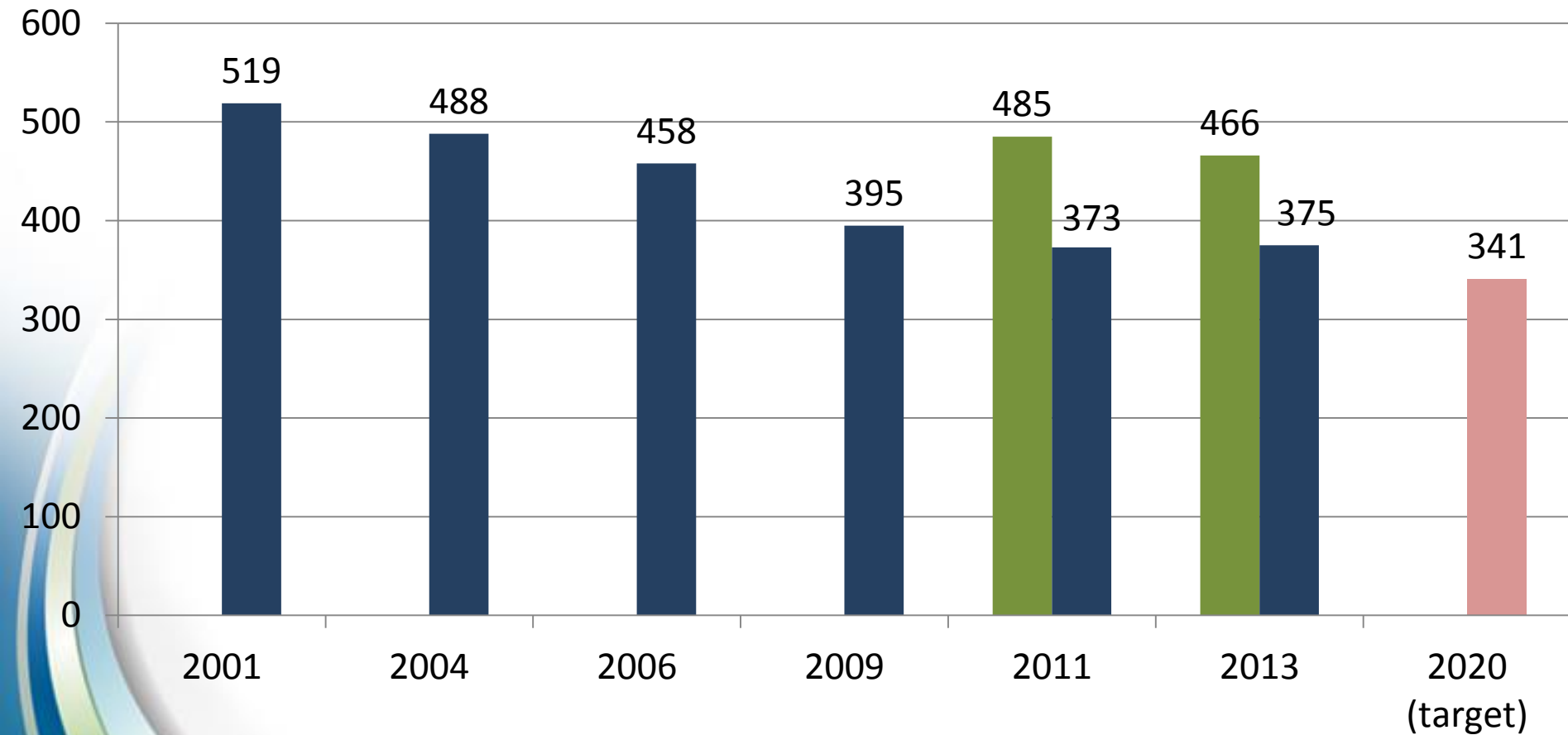
Total Water Use

- Target- 341 l/p/d
- Based on:
 - Municipal Targets
 - Trends in water use
 - 30% below baseline average

Year	2001	2004	2006	Average
Water use (l/p/d)	519	488	458	488

Source: Statistics Canada, Environment, Energy and Transportation Statistics Division, Survey of Drinking Water Plants 2013 .

Average daily water use per capita (lpd)



■ Canada ■ Alberta

Source: Statistics Canada, Environment, Energy and Transportation Statistics Division, Survey of Drinking Water Plants 2013 .



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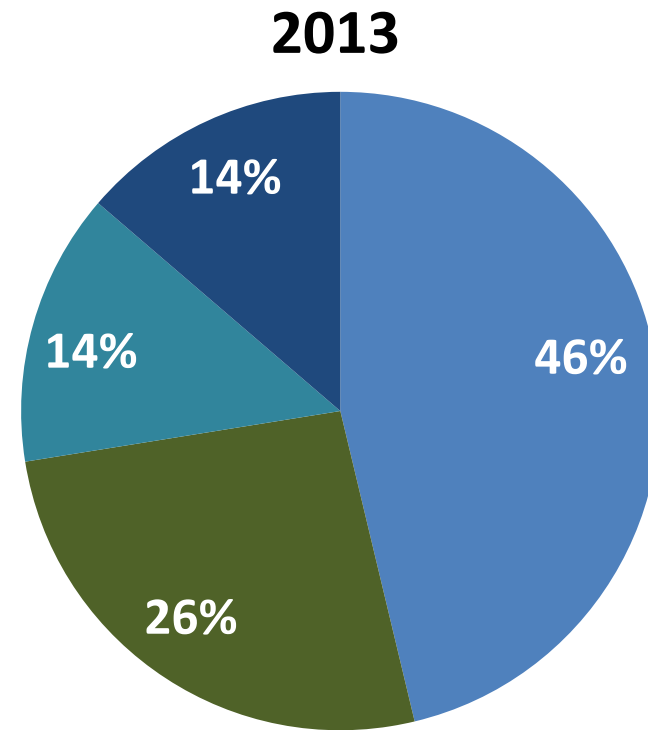
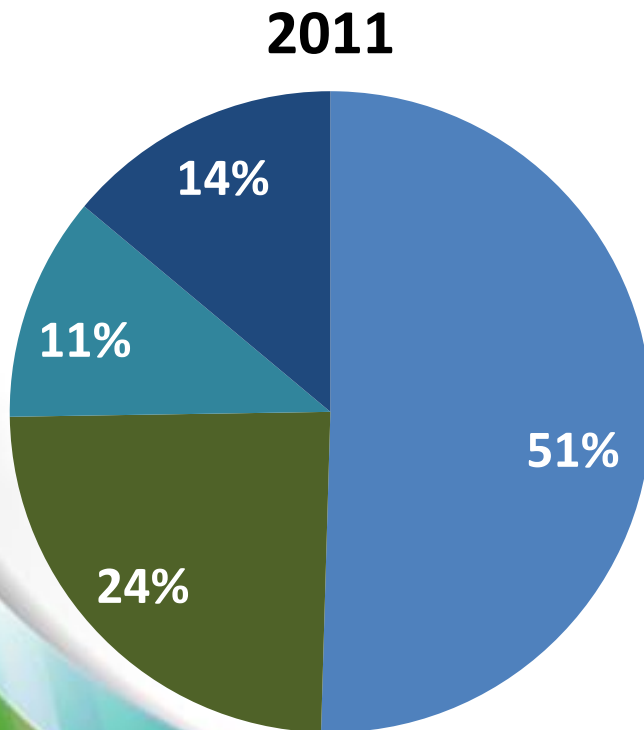
Unaccounted for water

- Target- 10% of total water use
- Based on:
 - Cost effectiveness
 - Maintaining water loss programs



Municipal water use by sector, 2011 and 2013

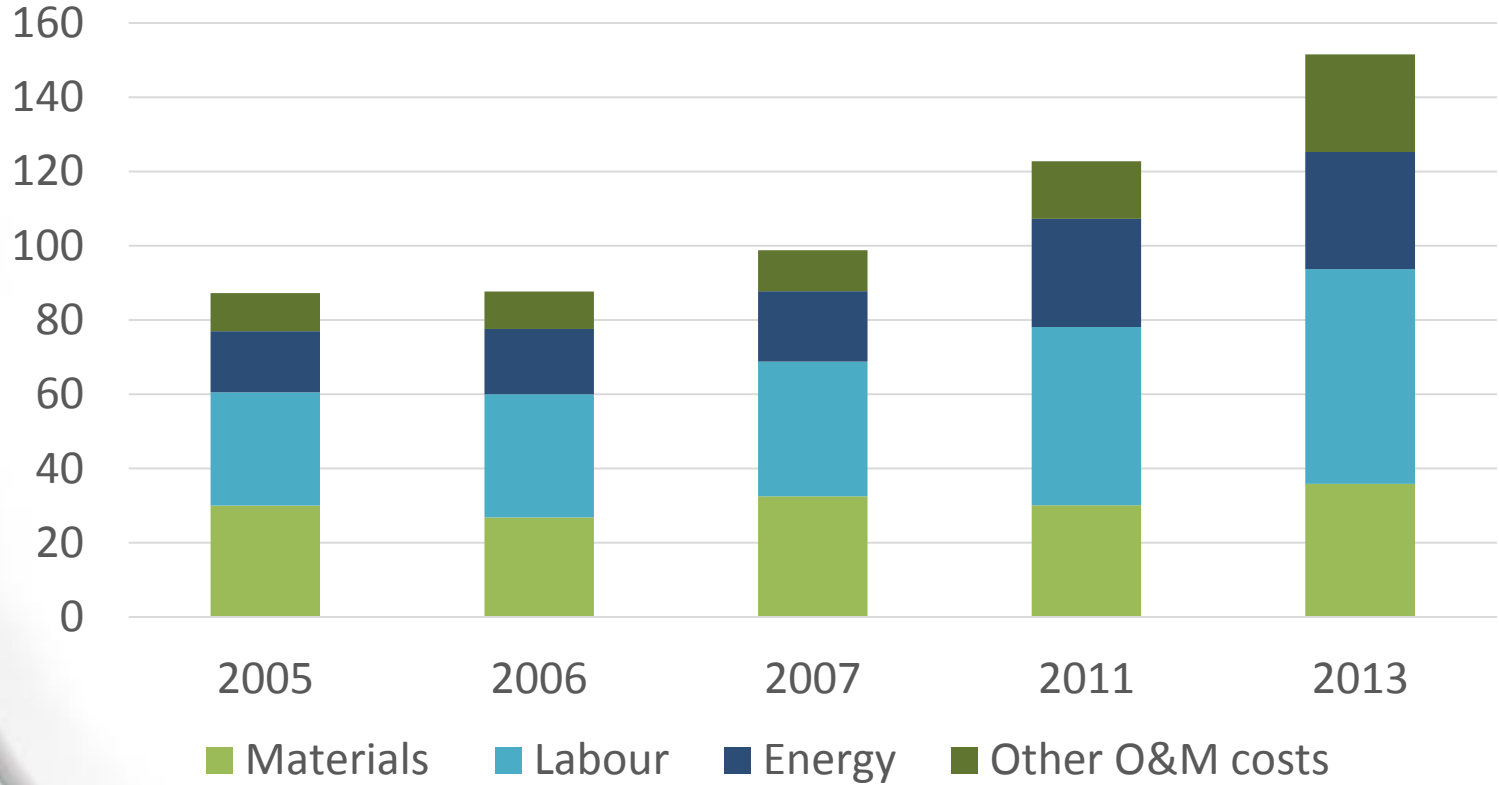
- Residential sector
- Industrial, commercial, institutional and other non-residential sectors
- Losses from the distribution system
- Wholesale water provided to other municipalities



Source: Statistics Canada, Environment, Energy and Transportation Statistics Division, Survey of Drinking Water Plants 2013 .

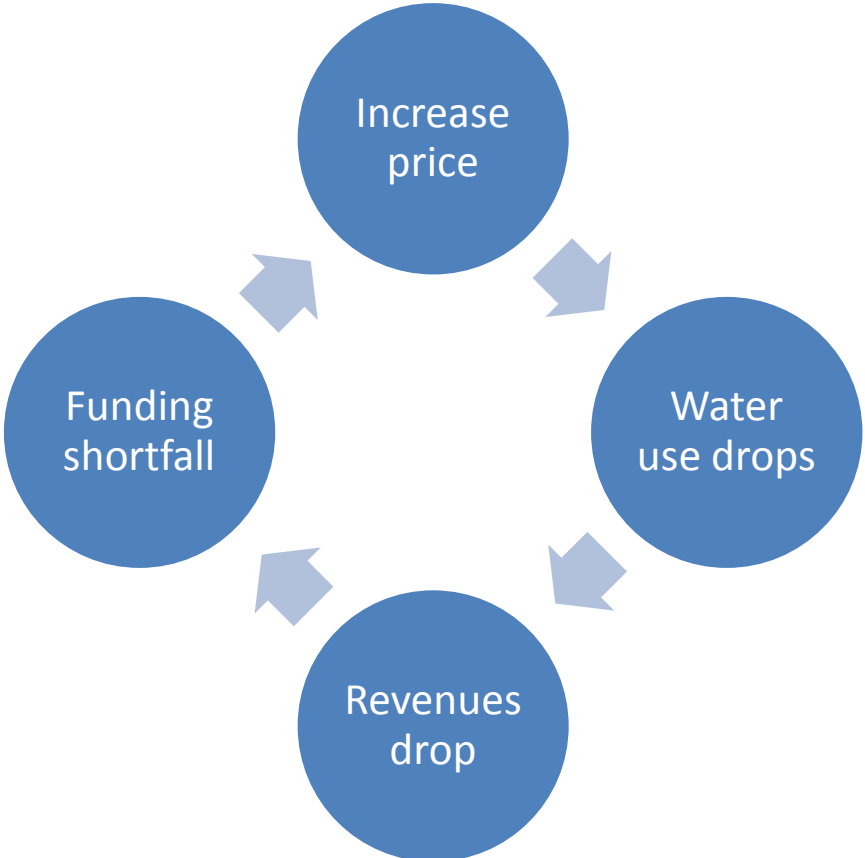


Spending



Source: Statistics Canada, Environment, Energy and Transportation Statistics Division, Survey of Drinking Water Plants 2013 .

Funding/Pricing- a challenge and an opportunity and a challenge



Climate Change - a challenge and an opportunity and a challenge



The screenshot shows a news article from Global News. The top navigation bar includes the Global News logo, a location dropdown for 'Saskatoon', and a dropdown for 'TV News Programs'. A secondary navigation bar lists various news categories. The article is categorized under 'ENVIRONMENT' and is dated 'May 27, 2015 1:04 pm', with an update time of 'Updated: May 27, 2015 6:13 pm'. The main headline reads 'Water use restrictions implemented in Alberta municipalities'. The author is identified as 'By Slav Kornik', a 'Web Producer' at 'Global News'. Below the headline are social media sharing options for 'Comments', 'Facebook' (417 shares), 'Twitter' (27 shares), 'Email', and 'Print'. A video player is embedded below the article, featuring a 'PLAY VIDEO' button and a large play button icon over a video frame showing a sprinkler system in operation. The video player includes the 'Global EDMONTON' logo and a temperature indicator of '24°'.

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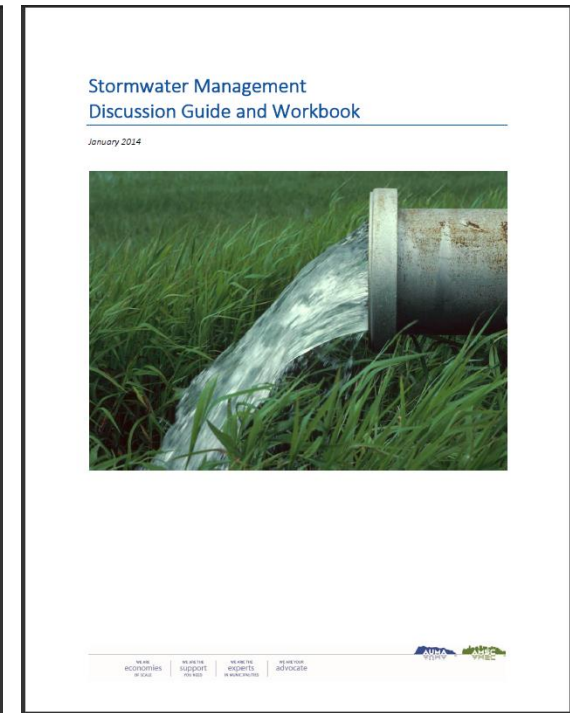
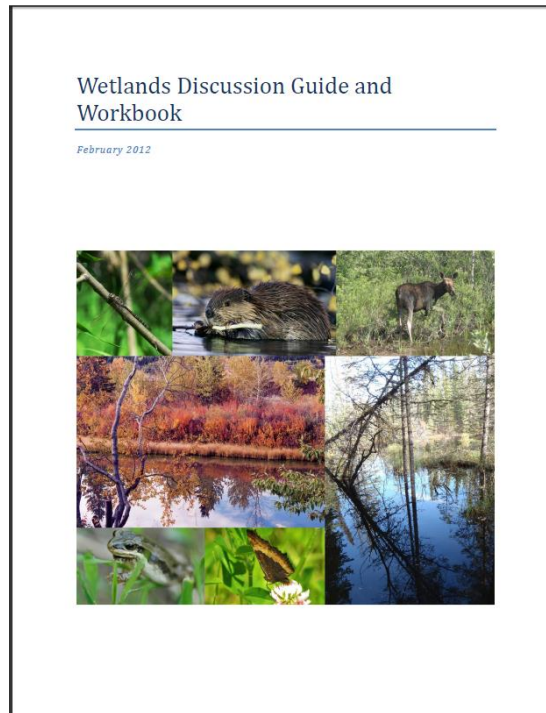
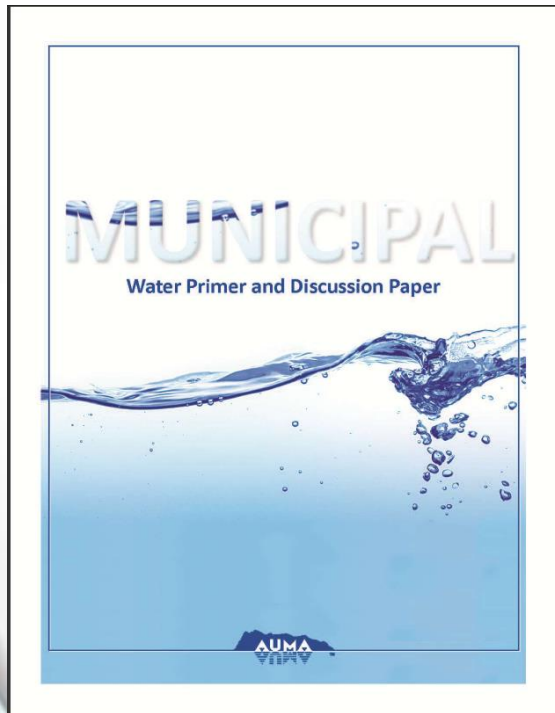
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Water for Life



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No water. No municipality. Water is a finite resource essential to all dimensions of municipal sustainability.

Over the past several years AUMA has engaged our members in developing water policies, plans and resources to help municipalities respond to the broad range of water-related issues they face. Based on needs identified by AUMA's policy work, AMSC has recently developed *Water and Wastewater Services* to help members reduce water loss and set viable rate structures. This site provides an overview of AUMA and AMSC's water initiatives as well as examples and resources related number of priority municipal water issues.

More info

[Glossary of water terms](#)

[Policy overview](#)

[Facts about water](#)

Next steps



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Questions -water@auma.ca



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