

US EPA ARCHIVE DOCUMENT



**WaterTAP**  
Technology Acceleration Project

# The Future of Water in Ontario and WaterTAP's Role

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# WaterTAP is Ontario's Water Technology Champion

- Established under Ontario's Water Opportunities and Water Conservation Act (2010)
- Brings private sector experience to help water technology entrepreneurs accelerate commercial success
- Champions and builds Ontario's status as a world-class water technology hub

# From the *Water Opportunities Act*

- to assist in promoting the development of Ontario's water and wastewater sectors;
- to assist Ontario's water and wastewater sectors by increasing their capacity to:
  - develop, test, demonstrate and commercialize innovative technologies and services for the treatment and management of water and wastewater, and
  - expand their business opportunities nationally and internationally;
- to provide a forum for governments, the private sector and academic institutions to exchange information and ideas on how to make Ontario a leading jurisdiction in the development and commercialization of innovative technologies and services for the treatment and management of water and wastewater;
- to encourage collaboration and co-operation in Ontario's water and wastewater sectors;
- to provide the Minister with advice on what actions the Government of Ontario should take to assist in fostering the development of Ontario's water and wastewater sectors; and

# WaterTAP's Role

**CONNECTING** commercial-ready Ontario companies with the resources they need to successfully commercialize their water technologies

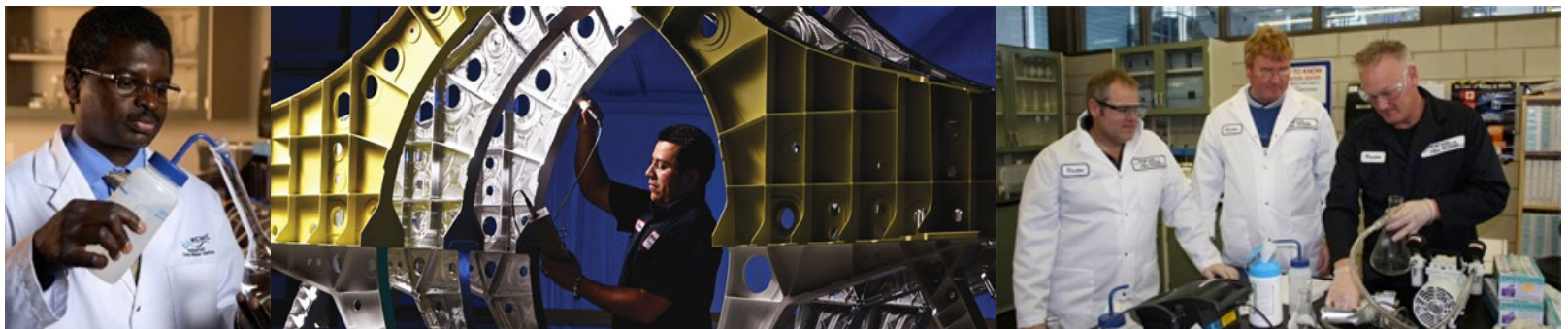
**CELEBRATING AND SHARING** the successes of Ontario water utilities and companies that are finding innovative and sustainable solutions

**ADVOCATING** with provincial and municipal governments to foster innovation-friendly water management policies

**INTRODUCING** water entrepreneurs, businesses, and investors worldwide to the Ontario water community.

# Ontario Water Assets

- **102** water-related research institute, groups and centres
- **42** Canada Research Chairs dedicated to water
- **\$144 million** in grants and funds for water-related research in the last 10 years
- **22,000** private and public sector jobs in water-related industries
- **680** drinking Water Treatment facilities
- **466** waste water treatment facilities
- **OCE, IDF, SWI, ONE, IAF, SDTC** financial and business support systems
- **SOWC, WCWC** testing facilities
- **> 900** Companies in the sector



# Technology Acceleration

- Water Companies
  - Visibility to funding / project opportunities
  - Business / marketing support programs
  - Fostering connections
  - Connection to global water hubs / incubators
- Utilities
  - Enable user groups / common needs
  - “Eyes and ears” for new technology
  - Visibility to Ontario solutions / funding sources
- Government
  - A single voice for best practices in infrastructure management / regulation / funding programs



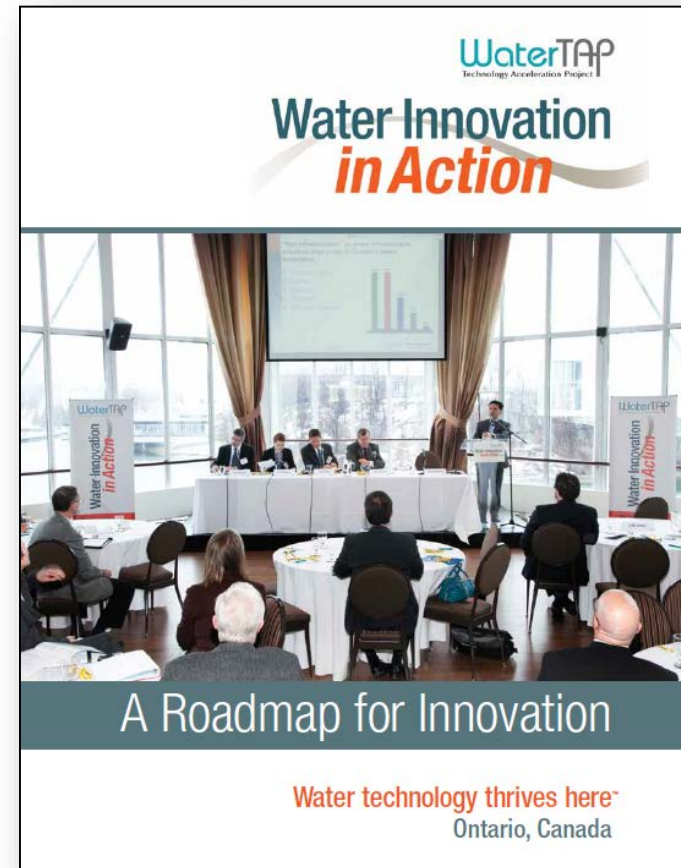
# Ontario Water Technology Clusters





# Barriers to Innovation

- Access to Testing Facilities
- Financial
- Regulatory
- (Perceived) Risk of Implementation





- Ontario agency established in 1993
- Provides water, sewage works, and related services to protect human health and environment
- **Approximately 200 municipal customers, and operates >500 facilities with 800 employees**
- Tracking 60+ companies with innovative technologies and services, and matching to client needs

# Southern Ontario Water Consortium (SOWC)



- Platform for Water Innovation
- Will consist of 8 water testing facilities that will provide unique opportunity for collaboration in ecotoxicology, watershed management, sensor development, water and wastewater analysis
- Includes partnerships with 8 universities, 3 municipalities, and 70 private sector companies

# Ministry of Environment's Showcasing Water Innovation (SWI)

- \$17 million program to promote innovative and cost-effective management of community water resources
- Funded 32 projects led by municipalities, water utilities, non-profits, conservation authorities, watershed management organizations, and Aboriginal communities
- Partnered with water technology and service companies, universities, and colleges to showcase and test products

# Multi-site Approval



## Previous Process

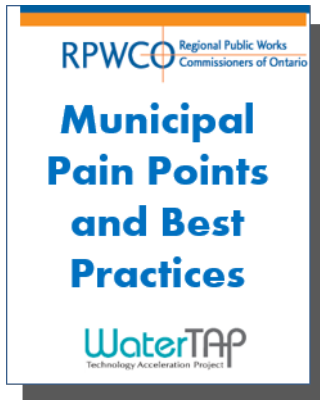
- Pilot test or demo is an “alteration to a facility” requiring **owner** to seek approval from MOE
- Extra work for owner
- Risk MOE re-examines Environmental Compliance Approval (ECA) for facility

## New Process

- Based on multi-site approvals for mobile treatment facilities
- Technology proponent holds ECA
- Facility owner produces a letter authorizing test and acknowledging effluent limits will still be met

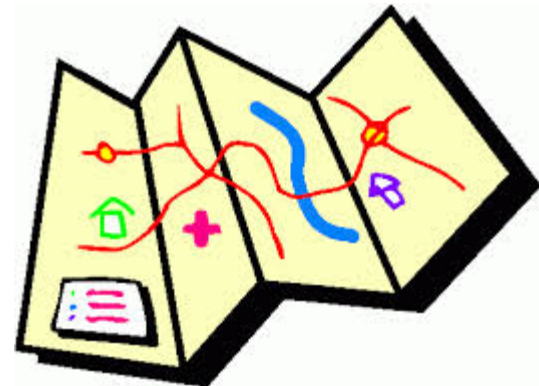
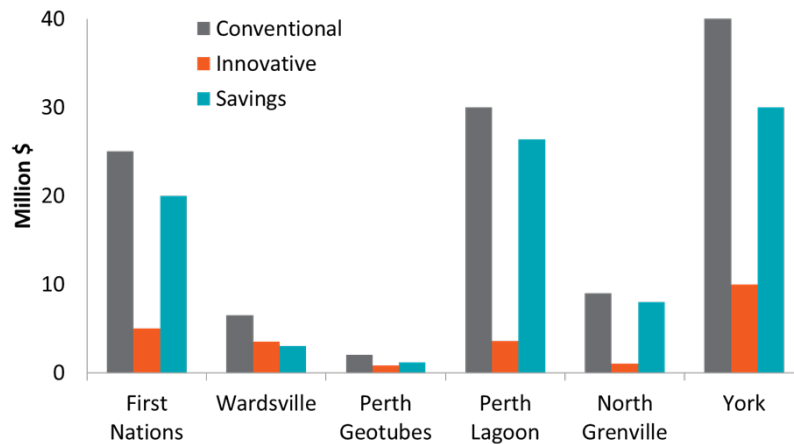


# Creating an environment for innovation



## Ontario

- Ministry of Economic Development, Employment and Infrastructure
- Ministry of the Environment and Climate Change







**WaterTAP**  
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# Water technology thrives here

## Thank you!

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