



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

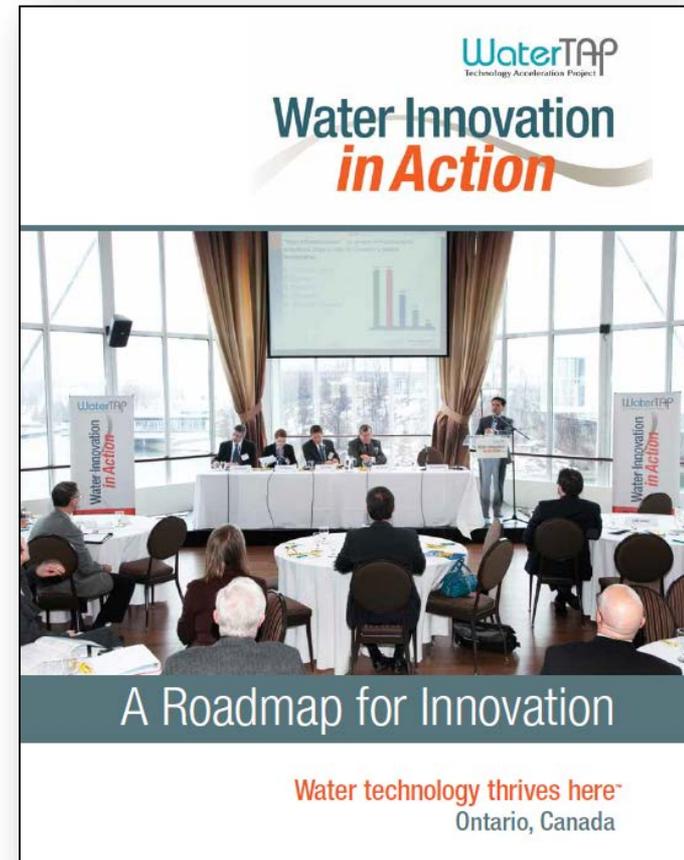
- Water Companies
 - Visibility to funding / project opportunities
 - Business / marketing support programs
 - Fostering connections
 - Connection to global water hubs / incubators
- Utilities
 - Enable user groups / common needs
 - “Eyes and ears” for new technology
 - Visibility to Ontario solutions / 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





WCWC Walkerton
Clean Water Centre
An agency of the Government of Ontario

CWAE Centre de Walkerton
pour l'assainissement de l'eau
Un organisme du gouvernement de l'Ontario



Ontario Centres of
Excellence
Where Next Happens



bloom



WaterTAP
TECHNOLOGY ACCELERATION PROJECT



MaRS



SOUTHERN ONTARIO WATER CONSORTIUM
LE CONSORTIUM POUR L'EAU
DU SUD DE L'ONTARIO



ONTARIO CLEAN WATER AGENCY
AGENCE ONTARIENNE DES EAUX



WaterTAP
Technology Acceleration Project

- 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



Regulatory Support

Previous Process

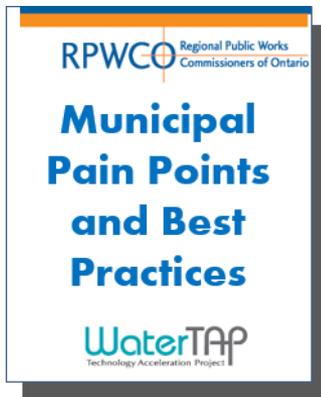
- Pilot test or demo is an “alteration to a facility” requiring **owner** to seek approval from MOE
- Extra work for owner
- Risk MOE re-examines Environmental Compliance Approval (ECA) for facility

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

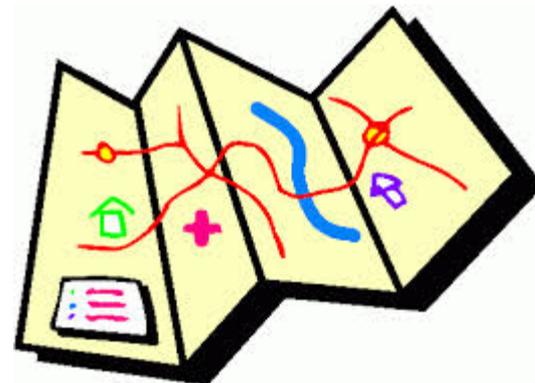
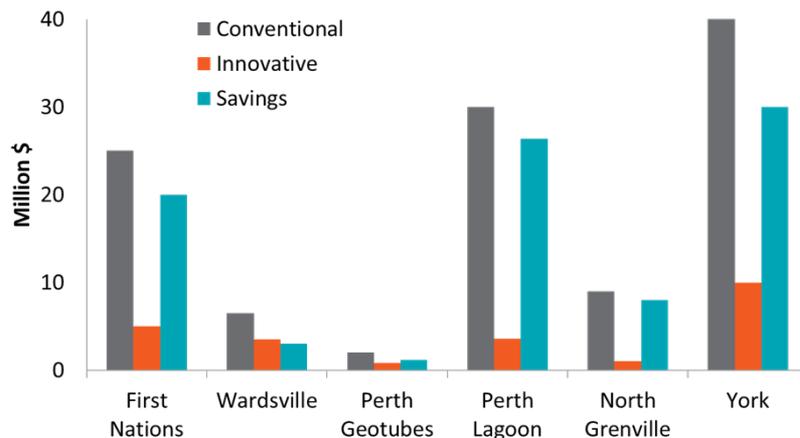


Creating an environment for innovation



Ontario

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





WaterTAP
Technology Acceleration Project

Water technology thrives here

Thank you!

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#OntarioWater