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From Best in Class to Program Specifics

York Region's Long Term Water Conservation Strategy

Water Smart Innovations

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Presented by: Theresa MacIntyre-Morris, Program Manager, Water Conservation and Efficiency
The Regional Municipality of York






York Region



22.4 million

Through Water for Tomorrow, York Region has saved an estimated 22.4 million litres of drinking water per day, which translates to a total water savings sufficient to supply a community of about 88,000 people.



LONG TERM

Water

Conservation Strategy



Shaping York Region's Water Future

2051

The Long Term Water Conservation Strategy enhances and extends, to 2051, the Region's commitment to innovative water conservation and efficiency programming, water resource protection, energy conservation and greenhouse gas reduction.

Over 175

Over 175 leading water conservation programs, policies and initiatives covering hard infrastructure through pricing, outreach and education were reviewed for our best-in-class research.



Best in Class Review

- Key Features of the Review
 - Policies and Incentives
 - Conservation-Oriented Pricing
 - Programs for New Developments
 - Industrial, Commercial, Institutional Efficiency Programs and Grants
 - Municipal infrastructure Planning, Design & Operation

Best in Class Review brings together leading concepts for water conservation and efficiency from across North America and around the world

The Water Soft Path



Vision for the Future

CREATE A GLOBAL RESPONSIBILITY MINDSET - WE NOT ME.
flowing ideas
innovators, creators, and teachers
REALIZING EVEN OUR SMALLEST CONTRIBUTION MATTERS.
Leader in water understanding, education and teaching.
STEWARDS OF THRIVING ECONOMY ECONOMIC
Conscious about water. OPPORTUNITY
Environmental job creation World leader in water technology
RESPONSIBLE CITIZENS
Self contained, self sustaining community.

CONNECTED TO WATER

BELIEF THAT I CAN MAKE A DIFFERENCE.

Visions

Water positive. One water shared by all.

WATER BALANCE

Loving it and treasuring it. Engaging and empowering.
THE SPIRITUAL AND EMOTIONAL CONNECTION
Enhanced water quality and ecosystem productivity. We all care about water here - we value it, we learn from it, we take value from it
YORK REGION IS A CENTRE OF EXCELLENCE - BEST "IN CLASS".
Take ownership of the problem. Ecological diversity and economic prosperity.
leaders in water sustainability

Water for Tomorrow
for today for tomorrow for always

WATER NEUTRAL
a water inspired region

York Region

Water
Reviving the
Way We Live.

Invest
Inspire
Respect
Adapt

No New Water

The aspirational target scenario of no new water by 2051 used a back-casting methodology by assuming total water used across all sectors in 2051 is equivalent to that used in 2011.

Public View of Implementation

0 - 5 YEARS

The Testing and Initial Implementation Phase

- Small scale implementation through Pilots and Demonstration Projects
- Development and Testing of Monitoring Programs

5 - 10 YEARS

The Implementation Phase

- Testing and Evaluation of Programs and Initiatives
- Innovation beginning to take root in water conservation and in connected domains eg. energy
- Partnerships are forming for continued and wider implementation
- Comprehensive data gathering and program monitoring

10 - 20 YEARS

Continuous Improvement Phase

- Water Innovation embedded in decision making, links to energy apparent
- Program/initiatives enhanced as technologies and opportunities arise
- Partnerships are the collaborative delivery infrastructure
- Monitoring in full force to determine what's working and what can work better

Targets

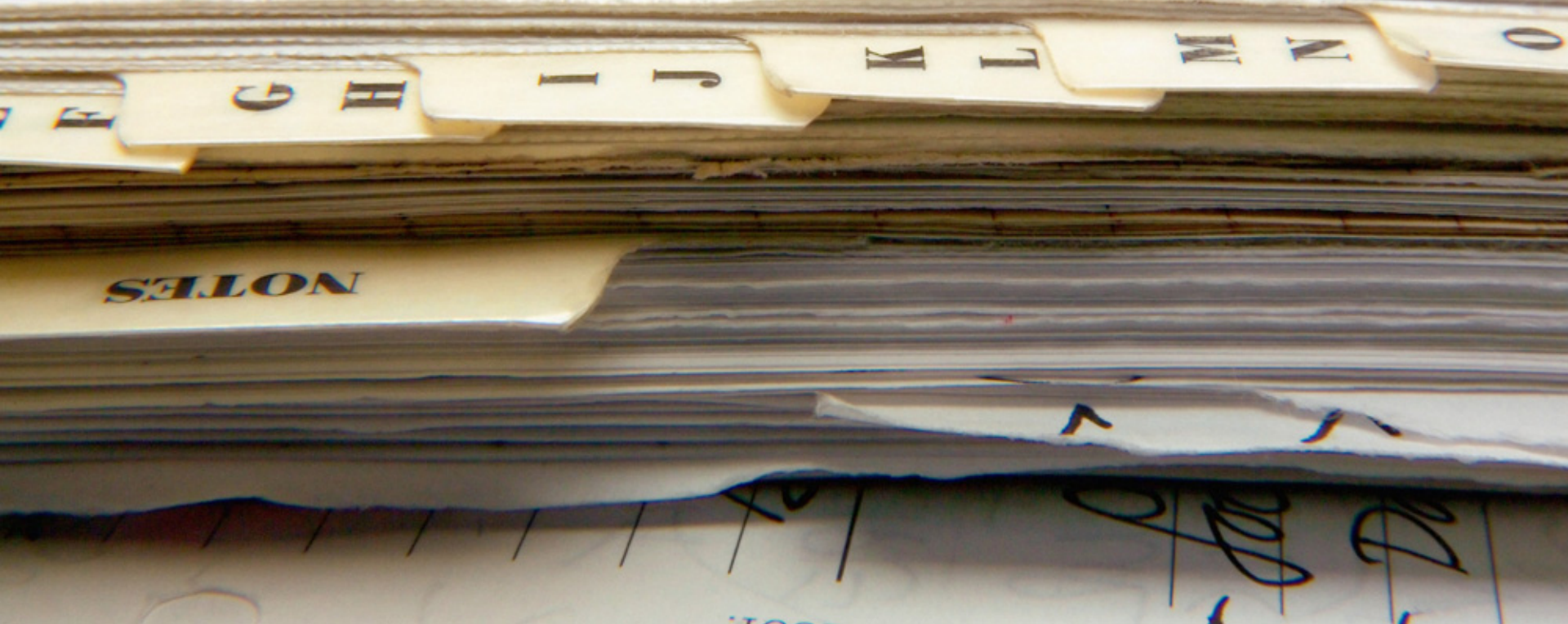
	Residential water use (litres per person)			
	2011	2021	2031	2051
York Region Jurisdiction <ul style="list-style-type: none"> Incentive Programs 	252 (66.6 gal)	235 (62.1 gal)	230 (60.8 gal)	224 (59.2 gal)
Plus Provincial Programs and Support <ul style="list-style-type: none"> Incentive programs and legislative changes 		233 (61.6 gal)	225 (59.4 gal)	214 (56.5 gal)
“No New Water” <ul style="list-style-type: none"> Incentive programs, legislative changes and adopting water re-use or alternative sources for all outdoor and other non-potable uses 		233 (61.6 gal)	206 (54.4 gal)	150 (39.6 gal)



Governance and Administration



Policies and by-laws



Rebates and Other Financial Instruments

Water for
tomorrow
\$30 rebate for an approved
\$70 rebate for an approved
single-family residential
borrower for completion

75. Rebate
used for the... not... present

New Developments



Full Cost Recovery Conservation-Oriented Pricing



Pilot Projects



Municipal Infrastructure



Peer Review



Five Year Implementation Plan

PROGRAM COMPONENTS	NEW PROGRAMS	2011	2012	2013	2014	2015
New Developments	Develop plan to increase uptake of SHIP and LEED programs	START				
	Develop detailed monitoring program	START				
	Implement detailed monitoring					
	Create commercial industrial conservation and efficiency guideline	START				
	Pilot and demonstration projects					
Governance, Policies and Administration	Multi Stakeholder Advisory Group					
	Evaluate conservation based Pricing				START	
	Evaluate plumbing retrofits on resale homes			START		
	Develop annual measurement and reporting framework	START				
	Provincial Advocacy to encourage water efficiency					
	Incorporate results of LTWCS into infrastructure master plans			START		
Regional-Municipal System	Leak reduction					
	Develop process and implement monitoring and evaluation of water consumption	START				
	Guideline for retrofits of municipally owned buildings	START				
	Pilot and demonstration projects					
Financial Incentives	Capacity buy-back for industrial commercial institutional	START				
	Clothes washer installations for industrial commercial institutional	START				
	Evaluate low income incentive program				START	
	Evaluate multi unit meter subsidy			START		
Outdoor Water Use	Evaluate water efficient landscape design and assessment programs		START			
	Evaluate water conservation bylaw		START			
	Pilot Projects					



Keys to Success





Thank you

More detail on the public engagement, best practices, water soft path and implementation plans can be found in the Long Term Water Conservation Strategy

[www. Openwater.ca](http://www.Openwater.ca)

Theresa MacIntyre-Morris

theresa.macintyre-morris@york.ca

905-830-4444 ext 5099