

Clause No. 8 in Report No. 10 of Committee of the Whole was adopted, without amendment, by the Council of The Regional Municipality of York at its meeting held on May 15, 2014.

## **2010-2014 COUNCIL ACCOMPLISHMENTS – ENVIRONMENTAL SERVICES**

Committee of the Whole recommends adoption of the following recommendation contained in the report dated March 31, 2014 from the Commissioner of Environmental Services:

1. That this report be received for information.

### **1. RECOMMENDATIONS**

It is recommended that Council receive this report for information.

### **2. PURPOSE**

This report highlights some of the major accomplishments, events and successes of Regional Council during the 2010-2014 term through the Environmental Services section of Committee of the Whole.

### **3. BACKGROUND**

#### **Council support for smart growth has provided opportunities for innovating service delivery and collaboration with our partners**

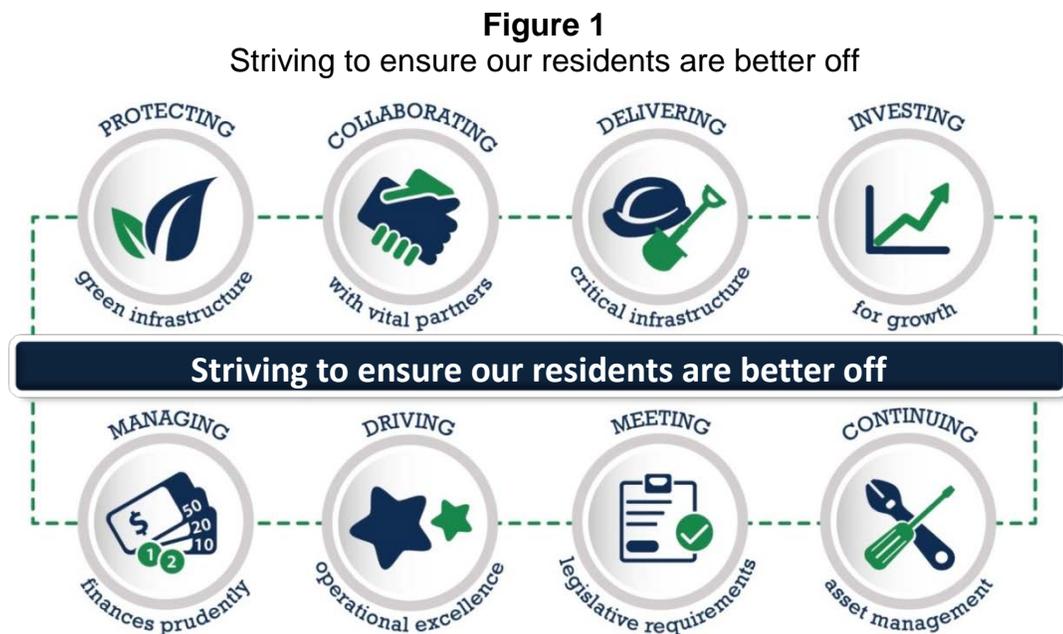
In 2011, Council endorsed the 2011-2015 Corporate Strategic Plan, which represents the Region's commitment to making progress in the following strategic priority areas:

- Continue to Deliver and Sustain Critical Infrastructure
- Improve Social and Health Supports
- Increase the Economic Vitality of the Region
- Focus Growth along Regional Centres and Corridors
- Manage the Region's Finances Prudently
- Make Regional Services More User-friendly
- Strengthen Organizational Capacity

The 2011-2015 Corporate Strategic Plan guides smart growth in York Region and has created the foundation for staff to sustain innovative service delivery and collaboration with our servicing partners.

## Overarching Council goal from 2010-2014 to ensure York Region residents were better off

York Region provides services that are fundamental to the quality of life and economic prosperity of residents and businesses. In aligning with the 2011-2015 Corporate Strategic Plan, Environmental Services identified eight key budget drivers shown in Figure 1 to deliver high quality services while meeting legislative requirements.

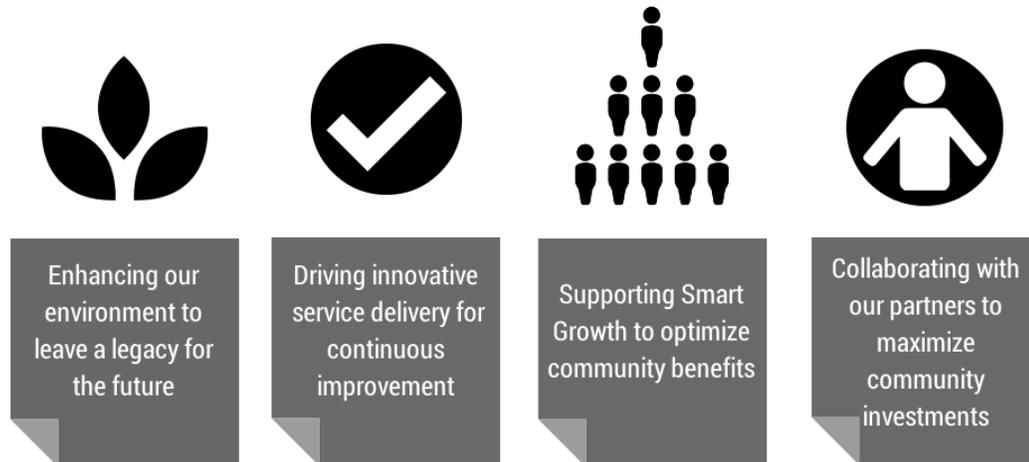


Through Council's approval of annual capital and operating budgets, Environmental Services has successfully delivered programs that meet level of service requirements and help ensure our residents are better off. Consideration of these drivers in all areas of service delivery ensure Environmental Services is delivering value for money from the resources required to deliver on Council's expectations.

#### 4. ANALYSIS AND OPTIONS

Through the Environmental Services section of Committee of the Whole, Council's leadership resulted in significant accomplishments through various programs, projects, and initiatives during the 2010-2014 term. The lasting benefits of these accomplishments are illustrated in Figure 2 and detailed below.

**Figure 2**  
Benefits of Council Accomplishments – 2010-2014



## **ENHANCING OUR ENVIRONMENT**

Operating and capital programs approved by Council provide environmentally sustainable infrastructure and will leave a legacy for the future.

### **Council's commitment to proactive asset management provides environmentally sustainable infrastructure**

Over the last four years, Council has demonstrated support for the department's Asset Management Program, which proactively manages the lifecycle of Environmental Services' asset base. The Asset Management Program establishes criticality and risk profiles for our assets and refines the priority of non-growth related capital work based on condition assessment and analysis. Through this process, infrastructure renewal work is proactively identified and optimized in combination with growth related capital projects. Conducting condition assessments is essential for staff to effectively prioritize growing rehabilitation needs while reducing service delivery impacts associated with infrastructure degradation in a fiscally sustainable manner. As in past years, Council reaffirmed its support for proactive asset renewal with approval of \$736.8 million for asset management programs in the 2014 10-year Capital Plan and support for the use of advanced asset condition assessment technologies on in-service linear infrastructure.

### **Council's commitment to protecting and enhancing our environment will leave a legacy for future generations**

Council's commitment to enhance the natural environment is reflected in its adoption and continued support of the Greening Strategy since 2001. York Region has been recognized for its innovative leadership in the development and implementation of the Greening Strategy. Refined in 2012, the intent of the Greening Strategy is to achieve hands-on action consistent with forward-thinking environmental policies in the Regional Official Plan. Council has made significant achievements through this Strategy including leveraged funding, land protection and preservation, and environmental education. With 325,907 trees planted over the last four years, the Region achieved its one millionth tree milestone, which was planted and celebrated on National Tree Day in 2013. Natural Heritage achievements also contribute to the health and well-being of the Region's residents and represent a sound investment in green infrastructure.

### **Council appointment of Ontario's first Risk Management Official demonstrates leadership and commitment to source water protection**

Council was the first in Ontario to appoint a Risk Management Official in 2011 to deliver on provincial requirements to protect drinking water. The Risk Management Official establishes a risk management program to meet the Provincial mandate for enforcement and monitoring of source protection areas. This proactive approach strategically positioned the Region to take a leadership role with engagement of local municipalities, conservation authorities, source protection committees and the public to raise our common understanding of risks to drinking water sources and allow for ongoing dialogue across science and planning disciplines. Being the first to appoint a Risk Management Official also has put the Region in a strong position to protect our drinking water sources and ensure they remain a protected resource for future generations.

### **DRIVING INNOVATIVE SERVICE DELIVERY**

Council's continued support for innovation in service delivery has resulted in efficiencies, which further strengthen the corporate culture of continuous improvement.

### **Council approved service delivery efficiencies results in measurable cost savings**

The objective of York Region's Energy Management Program is to manage energy consumption at Environmental Services facilities in an efficient and sustainable manner. As the Region's population increased 1.5 per cent year over year and Environmental Services' electricity consumption remained steady in 2012, the department realized its lowest reported energy consumption per capita in six years. The Energy Management Program has realized a net \$1.3 million in energy cost avoidance since 2006. Through Council's continued support for energy management planning and implementation of sustainable energy initiatives, the department will realize improved operational efficiencies, including minimizing electricity demand wherever reasonably possible.

### **Innovations in service delivery are core to implementing Council's commitment to continuous improvement**

Commitment to continuous improvement is demonstrated by Council in its continued support of maintaining registration to the internationally accepted standards ISO 14001 and ISO 9001. The Region's waste management facilities were ISO 14001 registered in 2011, which further demonstrates Council's commitment to reduce environmental impacts associated with providing quality services to residents. Environmental Services' Integrated Management System provides a method to standardize and improve practices by reinforcing a culture of continuous improvement. Best practices are continually being implemented through the management system in the areas of water, wastewater and waste management. The Integrated Management system also provides a solid framework to assist Council with demonstrating a "standard of care" for York Region's drinking water systems, which was instituted by the Province of Ontario on December 31, 2012.

### **Council's strategic investment in energy from waste is a sustainable capital investment that enhances security, diversification and stability of York Region's waste management program**

Council continues to support adoption of the fourth R – Recovery, as evidenced by advancing the state-of-the-art energy from waste facility in partnership with Durham Region. The Durham-York Energy Centre is the first energy from waste facility to be built in Ontario in over 20 years. Council's support for energy from waste facility reduces dependency on landfill and increases resiliency for managing the Region's residual waste. The energy from waste project represents a sustainable capital investment that enhances security, diversification and stability of York Region's long range waste management program.

### **Council's support for new wastewater treatment technologies provides innovative solutions to accommodate approved growth**

The Upper York Sewage Solutions project is required to accommodate provincially approved growth by 2031. After more than five years of extensive scientific study, environmental analysis and stakeholder/First Nations consultation, the Region determined the preferred design elements for the project, including a proposed water reclamation centre. Using drinking water treatment processes, treated water will comply with Ministry of the Environment criteria for effluent (including phosphorus removal) and be discharged as clean treated water to the East Holland River. This internationally proven technology will help improve water quality in the East Holland River and augment base flow during drier summer months. This is one of the many service delivery innovations achieved through capital delivery projects driven by the vision and leadership of Council.

## **SUPPORTING SMART GROWTH**

Through various master plans and strategies, Council ensures services are available in a timely manner and well suited to meet the needs of smart growth.

### **Supporting managed growth and optimizing community benefits has been priority for Council**

The Long Term Water Conservation Strategy, endorsed by Council in 2011, identifies a suite of programs that enhance the Region's commitment to innovative water conservation programming, water resource protection, energy conservation and greenhouse gas reduction. Water conservation and efficiency are key components of a sustainable future for York Region. Reducing the amount of treated water used by residents and businesses has already and will continue to reduce future capital investments, extend the life of existing infrastructure, reduce energy consumption and ensure that adequate water supply is available for the future.

### **Council's leadership and direction for sustainable waste reduction and reuse initiatives strikes a balance between capital investments and long-term benefits**

Endorsed by Council in 2013, the SM4RT Living Integrated Waste Management Master Plan will drive waste reduction and reuse over the next 25 to 40 years, resulting in reduced costs and sustainable management. Similar to the Long Term Water Conservation Strategy, the master plan explores new methods to extend the life of current waste management infrastructure through waste reduction and reuse initiatives. The SM4RT Living Plan strikes a balance between key capital investments in infrastructure and innovative, community-driven programs to maximize long-term benefits.

### **Council met its goal of identifying and leveraging available capacity in existing infrastructure while completing build-out of strategic infrastructure for York Region's developing communities**

With Council support, York Region is committed to conservation to support its rapidly growing communities. The Region has identified and leveraged capacity available in existing infrastructure to complete the build-out of developing communities. While conservation principles are embedded in York Region's servicing with its long-standing water conservation program, *Water for Tomorrow*, new initiatives such as the Developer-funded Inflow and Infiltration Reduction Pilot program continues to demonstrate the Region's leadership to form partnerships and drive conservation.

The *Water for Tomorrow* program provides tools for residents and businesses to conserve water in the home, in the garden and at work. Cumulative estimated savings total 26 million litres of water per day since *Water for Tomorrow* began in 1998, which includes residential and industrial, commercial and institutional water savings. These savings are equivalent to the average day demand of drinking water for a community of over 115,000 people.

### **Seventeen per cent of 2031 Inflow and Infiltration Reduction Strategy target has been achieved through inflow and infiltration reduction work implemented to date**

Inflow and Infiltration Reduction Strategy remedial works being completed across the York-Durham Sewage System has provided 7.02 megalitres of inflow and infiltration flow reduction or 17 per cent of the ultimate target reduction. The Region will continue to work in partnership with both the local municipalities and developers to achieve a reduction target of 40 megalitres through the following existing program areas:

- Comprehensive flow monitoring program and system analysis
- Investigation and mitigation programs in the local systems
- Capital rehabilitation projects on large Regional trunk sewers
- Collaboration with development industry on new construction
- Communication and education programs
- Financial commitments to asset management and inflow and infiltration reduction
- Developer Funded Inflow and Infiltration Reduction Program

### **COLLABORATING WITH OUR PARTNERS**

Council continues to support collaboration with our partners to deliver infrastructure and servicing and be recognized as a leader in research and development.

### **Delivery of environmentally-sustainable infrastructure and servicing is facilitated by relationships with all levels of government and partner organizations**

Significant accomplishments have been made with the Greening Strategy through partnerships. Delivery through partnerships is a strategic and respected approach to leverage funds and make use of expertise and resources with local community organizations. For example, these partnerships have allowed the Region to optimize its investments and increase the York Regional Forest by 92.6 hectares since 2010. This approach not only leverages financial investments from multiple sources, it also allows the Region to take advantage of more opportunities for environmental initiatives that enhance local communities and achieve more on-the-ground results.

### **Strategic partnership agreements provide long term water and wastewater supply to meet 2031 growth targets**

Partnerships with our neighbouring municipalities, Durham, Dufferin and Peel Regions and City of Toronto, are necessary to deliver efficient and high quality services. These partnerships further bolster relationships with all levels of government through alignment of core values to achieve better economies of scale and service delivery across the Greater Toronto Area.

## **Partnerships with research, industry and associations promotes the Region as a leader while optimizing service delivery**

Council continually supports work being performed in research and development. Research and innovation aligns the Region with Federal and Provincial initiatives, as well as with research conducted by United States Environmental Protection Agency (USEPA) and World Health Organization (WHO). Results are used to protect public health and the environment, understand emerging challenges, optimize facility operations to reduce chemical consumption and align with a complex and changing regulatory framework. Ongoing partnerships include the University of Toronto's Drinking Water Research group, Wilfred Laurier University, Trent University, University of Waterloo, several industry leaders and the Ministry of the Environment.

Council's support of research and development opportunities demonstrates strong leadership and proactive responsibility for emerging issues related to water and wastewater. Improved knowledge, successful partnerships and increased profile create a strong position for the Region with regards to Federal and Provincial policy and regulatory changes and enhance the Region's standing in the water and wastewater industry within North America.

## **AWARDS AND ACHIEVEMENTS**

Through the Environmental Services section of Committee of the Whole, Council's support has resulted in numerous achievements. Achievements are listed in Table 1 in the service areas of water, wastewater, waste management and forestry.

**Table 1**  
Council Achievements by Service Area, 2010-2014

<b>Service Area</b>	<b>Achievement</b>
Water	<ul style="list-style-type: none"><li>• Finalized Long Term Water Conservation Strategy in 2011</li><li>• First to appoint Risk Management Official in Ontario in 2011</li><li>• Endorsed Source Water Protection Plans in 2012</li><li>• Sustained 26 million litres per day in water savings through the Water for Tomorrow Program as of 2013</li><li>• Maintained ISO 9001 registration and Drinking Water Quality Management Standard accreditation to fulfill standard of care requirements under the Safe Drinking Water Act, 2002</li><li>• Achieved 100 per cent inspection and water quality testing rating</li></ul>
Wastewater	<ul style="list-style-type: none"><li>• Updated Sewer Use Bylaw in 2011 to strengthen protection of regional and local infrastructure</li><li>• Constructed \$423M Southeast Collector Trunk Sewer, completing 14,945 metres of tunnelling</li><li>• Inflow and Infiltration Reduction Strategy has achieved 7.02 megalitres of inflow and infiltration flow reduction to date</li></ul>

<b>Service Area</b>	<b>Achievement</b>
Waste Management	<ul style="list-style-type: none"><li>• Completed \$25M 12-month demonstration of microfiltration and reverse osmosis technology for Upper York Sewage Solutions in 2013</li><li>• Committed to reducing environmental impacts of waste management facilities through ISO 14001 registration in 2011</li><li>• Invested \$14M and opened Elgin Mills Community Environmental Centre in 2011</li><li>• Updated Hauled Waste Program Policy toward full cost recovery in 2011</li><li>• Ranked first amongst large urban municipalities in waste diversion and reached 87 per cent diversion from landfill rate in 2013</li><li>• Invested \$55M to begin construction of Durham-York Energy Centre in 2013</li><li>• Finalized SM4RT Living Integrated Waste Management Master Plan in 2013</li></ul>
Forestry	<ul style="list-style-type: none"><li>• Planted 325,907 trees to reach the one million tree milestone in 2013</li><li>• Secured 92.6 hectares through partnerships to increase the York Regional Forest</li><li>• Updated Forest Conservation Bylaw in 2013 to align with current forest management practices</li><li>• Delivered \$4.4M of enhancements to Bob Hunter Memorial Park</li><li>• Built three kilometres of accessible trail in the York Regional Forest</li><li>• Endorsed transfer of lands required for establishment of the Rouge National Urban Park in 2014</li></ul>

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\*dollar amounts as of 2013 year end

### **York Region has received a number of awards and recognition from prominent environmental organizations**

Council's support for innovation and quality in York Region's programs and initiatives has led to a number of awards and recognition from a variety of organizations. A listing of these distinctive achievements is provided below.

#### 2010 Awards and Distinctions

- Federation of Canadian Municipalities Sustainability Community Award (Waste Category) for McCleary Court Community Environmental Centre
- Lake Simcoe Region Conservation Authority Watershed Heroes Education Award for York Children's Water Festival and Tap'd In Trailer
- Lake Simcoe Region Conservation Authority Watershed Heroes Water Conservation Award for Water for Tomorrow Program
- Ontario Public Works Association Public Works Leader of the Year for Brett Bloxam
- Municipal Waste Association Promotion and Education Gold Award for McCleary Court Environmental Centre
- Municipal Waste Association Promotion and Education Bronze Award for Compostable Bag Campaign

#### 2011 Awards and Distinctions

- Ontario Water Works Association Award of Excellence for Public Education and Awareness for Long Term Water Conservation Strategy Education Program

#### 2012 Awards and Distinctions

- American Public Works Association Technical Innovation Award with Peel Region for G. E. Booth (Lakeview) Wastewater Treat Plant Upgrade
- Federation of Canadian Municipalities Sustainable Neighbourhood Retrofit Action Program for Lake Wilcox Stormwater Run-off Control Pilot
- Infrastructure 100: World Cities Edition Project for Durham York Energy Centre
- KPMG's Top 10 Waste Infrastructure Projects recognition for Durham York Energy Centre

#### 2013 Awards and Distinctions

- American Public Works Association Public Works Project of the Year (Disaster/Emergency, \$5-25 million) for Uplands Emergency Sewer Repair
- Greater Toronto Sewer and Watermain Construction Association Environmental Excellence Award - Clean Water, Our Future for Daniel Kostopoulos
- Ontario Public Works Association Public Works Project of the Year Award (Structures, \$10 - \$50 Million Category) for Keswick Water Pollution Control Plant Effluent Outfall Expansion
- Ontario Public Works Association Public Works Project of the Year (Disaster / Emergency Construction / Repair, \$2-10 Million Category) for Bayview Pumping Station West Watermain Repair
- Ontario Public Works Association Public Works Project of the Year (Environment, \$2-10 Million Category) for Uplands Emergency Sewer Repair
- Recycling Council of Ontario Municipal – Communication Award for SM4RT Living Family Challenge

- Trenchless Technology Project of the Year Runner-Up for Keswick Water Pollution Control Plant Outfall Expansion

#### 2014 Awards and Distinctions

- American Public Works Association Public Works Project of the Year (Environment, \$5-25 million) for Keswick Water Pollution Control Plant Effluent Outfall Expansion
- Greater Toronto Sewer and Watermain Construction Association Infrastructure Award of Excellence for Frank Badinski

### **York Region continues to demonstrate leadership through certification that demonstrates Council's commitment to industry best management practices and operational excellence**

With the support of Council, York Region has maintained registration and obtained new certifications with various standards and organizations as shown in Table 2.

**Table 2**  
Registrations and Certifications

<b>Service Area/Program</b>	<b>Registration/Certification</b>
Drinking Water Systems	Maintained ISO 9001 Quality Standard and Ontario's Drinking Water Quality Management Standard
Wastewater Systems	Maintained ISO 14001 Environmental Standard Registration
Waste Management Systems	Obtained and Maintained ISO 14001 Registration
York Regional Forest	Maintained Forest Stewardship Council Certification
Duffin Creek Water Pollution Control Plant Biodiversity/Greening Plan	Achieved Wildlife Habitat Council Wildlife at Work Program Certification

#### **Link to key Council-approved plans**

The accomplishments outlined in this report demonstrate Council's commitment to the 2011-2015 Strategic Plan, Regional Official Plan and Vision 2051 over the last four years.

## 5. FINANCIAL IMPLICATIONS

There are no direct financial implications associated with this report. The costs of implementing the programs and initiatives cited in this report have been managed by Council in its administration of annual budgets between 2010 and 2014, and longer-term, capital financial planning.

### **Council's strategic investments support sustainable infrastructure for future growth**

Council oversees programs that deliver critical infrastructure for servicing growth and building system security for water, wastewater, waste management and forestry services. As presented in Tables 3 and 4 below, Council has demonstrated strong support for critical capital infrastructure and operating programs from 2010 through 2014 that put our communities in a strong position to meet the growing needs of York Region, while maintaining required levels of service in industries highly regulated by the Provincial government. Capital projects delivered are listed in *Attachment 1*.

**Table 3**  
 Annual Capital Expenditures (000's)

<b>Service Area</b>	<b>2010 Actuals</b>	<b>2011 Actuals</b>	<b>2012 Actuals</b>	<b>2013 Actuals</b>	<b>2014 Budgeted</b>
Water	\$238,940	\$225,311	\$163,901	\$169,028	\$127,749
Wastewater	\$268,296	\$182,512	\$266,528	\$302,924	\$302,730
Waste Management	\$11,934	\$16,242	\$24,155	\$28,564	\$25,682
Forestry	-*	-*	\$1,387	\$4,087	\$5,076
<b>Total</b>	<b>\$519,170</b>	<b>\$424,065</b>	<b>\$455,971</b>	<b>\$504,603</b>	<b>\$461,237</b>

\* Forestry expenditures previously under Transportation and Community Planning budgets

**Table 4**  
 Annual Operational Expenditures (000's)

<b>Service Area</b>	<b>2010 Actuals</b>	<b>2011 Actuals</b>	<b>2012 Actuals</b>	<b>2013 Actuals</b>	<b>2014 Budgeted</b>
Water	\$131,401	\$147,729	\$181,173	\$182,065	\$198,778
Wastewater	\$165,819	\$179,526	\$198,931	\$216,239	\$244,729
Waste Management	\$50,829	\$60,417	\$60,334	\$58,127	\$63,610
Forestry	-*	-*	\$5,902	\$6,662	\$7,630
<b>Total</b>	<b>\$348,049</b>	<b>\$387,672</b>	<b>\$446,340</b>	<b>\$463,093</b>	<b>\$514,747</b>

\* Forestry expenditures previously under Transportation and Community Planning budgets

On average, over 50 per cent of gross operating costs were allocated to finance new / expanded capital infrastructure to support our growing communities. The majority of increased financing costs are recovered through development charges for growth-related capital projects. Operating expenditures for water and wastewater programs have seen significant increases primarily as a result of debenture financing required to deliver the capital program.

### **Council's commitment to sustainability allow short term investments to result in long term gains**

The multi-year Value of Water plan will use a unique approach to increase public awareness of the value of water and assess water pricing models. Full cost pricing will help York Region to provide customers with safe clean drinking water and provide a strong framework for delivering a sustainable supply system for future generations.

Conservation principles reflected in the Long Term Water Conservation Strategy and SM4RT Living Plan provide a foundation for influencing water consumption and waste generation to help manage growth. Reducing water consumption and waste generation optimizes capacity of built infrastructure and allows the Region to use this leveraged capacity to service growth.

## **6. LOCAL MUNICIPAL IMPACT**

### **Council's collaborative approach with local municipal partners key to delivering innovative programs and high quality services to residents**

Development and implementation of the SM4RT Living Plan exemplifies Council's collaborative approach with our local municipal partners. The implementation plan, through the innovative Integrated Partnership Model, strikes a balance that provides for continued local autonomy, while supporting common objectives and work already underway in each community. Local municipal partner roles have been identified in the implementation plan. Success of the pilots will be shared with all ten municipal partners and decisions to implement Region-wide will be based on sound evidence and local feasibility.

### **Local municipalities and the Region work together diligently to deliver integrated, high quality services to residents**

Council's authorization of the execution of Asset Ownership Agreements in 2012, which clarified delineation between local and regional assets, allowed the Region and local municipal partners to continue to effectively manage its water and wastewater systems. Furthermore, data sharing across the Region is facilitated by the All Pipes database is a single shared geographic information system (GIS) database that will provide a consistent and complete picture of all the water and wastewater assets for use by Regional and local municipal staff.

Council has committed to protecting drinking water at its source and the Region continues to be a leader in source protection planning by providing local municipalities with specific guidance documents, policies, plans and mapping capabilities based on their geographic and hydrogeological details. Regional staff have also worked with local municipalities in aligning business processes for planning applications and building permits to improve data sharing and assessment of source water protection impacts.

## **7. CONCLUSION**

Through the Environmental Services section of Committee of the Whole, Council made significant accomplishments through various programs, projects and initiatives during the 2010-2014 term. By enhancing our environment, driving innovative service delivery, supporting smart growth and collaborating with our partners, Council will leave a legacy for future generations. These efforts have been recognized through a multitude of awards and achievements, including registration to both nationally and internationally recognized standards.

For more information on this report, please contact David Szeptycki, Head, Strategy, Liaison and Policy Implementation, Environmental Services at Ext. 75723.

The Senior Management Group has reviewed this report.

*Attachments (1)*

## 2010-2014 COUNCIL ACCOMPLISHMENTS ENVIRONMENTAL SERVICES

### Capital Projects Delivered

#### Water Capital Projects Completed

Ballantrae Well No. 3  
Bathurst Street Watermain and Jefferson Reservoir Upgrade  
Cotter Street Pumphouse and Reservoir Demolition  
Fairy Lake Garden Pond Rehabilitation  
Georgina Water Treatment Plant Upgrades  
Jefferson Sideroad Watermain (Yonge Street to Bathurst Street)  
Kennedy Road Watermain (Highway 7 to Major Mackenzie Drive)  
Keswick North Elevated Tank  
King City Additional Water Supply Watermain  
King City Elevated Tank  
Kleinburg Water Supply  
Kleinburg Watermain and Booster Station  
Leslie Street Watermain  
Major Mackenzie Drive Watermain  
Maple Pump Station Upgrades  
Maple Pumping Station Upgrade  
Mount Albert Watermain  
Mount Albert Well No. 3  
Nobleton Elevated Tank  
Nobleton North Watermain  
Queensville Elevated Tank  
Toronto and Region Conservation Authority Trailhead Utility Relocation  
Whisper Lane Interim Booster Pumping Station  
Wootten Way Elevated Water Tank Decommissioning

## **Wastewater Capital Projects Completed**

Aurora Newmarket Sewer Rehabilitation

Aurora Sewage Pumping Station Standby Power Upgrades

Duffin Creek Water Pollution Control Plant Stage 3 Expansion

Joe Dales Forcemain and Pumping Station Upgrades

Keswick Water Pollution Control Plant and Outfall Expansion

Mainline and Manhole Rehabilitation Works for Sanitary Sewer Systems in Aurora, Newmarket and Richmond Hill

Mainline and Manhole Rehabilitation Works for Sanitary Sewer Systems in East Gwillimbury, Georgina and Whitchurch-Stouffville

Sutton Water Pollution Control Plant Ultraviolet System Upgrade

Wastewater Lagoons Conversion to Habitat Wetlands

Woodriver Bend Pumping Station Standby Power and South River Road Pumping Station Upgrades

## **Waste Management Capital Projects Completed**

Material Recovery Facility Upgrades

Richmond Hill Community Environmental Centre

## **Capital Projects Under Construction**

### **Water Capital Under Construction**

Ansnoerveldt Water Supply Upgrades

Bayview Avenue Watermain (Bloomington to North Lake Road)

Elevated Tank Recoating and Upgrades

Elgin Mills Watermain

Glenway Reservoir Expansion and Upgrades

Kennedy Road/14th Avenue Watermain

Keswick Water Treatment Plant - Asbestos Abatement Services

Nobleton Well No. 5

Orchard Heights Pumping Station Upgrades

Richmond Hill Pumping Station Upgrades

West Richmond Hill Pumping Station

York Peel Feedermain Emergency Repair

### **Wastewater Capital Under Construction**

2nd Concession Sewage Pumping Station  
Aurora Sewage Pumping Station Pump Replacement  
Duffin Creek Water Pollution Control Plant Stages 1 and 2 Upgrades  
Holland Landing and Green Lane Forcemains, Sanitary Sewer and Watermain  
Holland Landing Pumping Station  
Leslie Street Pumping Station Upgrades  
North Don Sanitary Relief Sewer  
Queensville West Sewage Pumping Station  
Queensville/Holland Landing/Sharon Pumping Station PCN SCADA Integration  
Sharon Trunk Sanitary Sewer  
Southeast Collector Trunk Sewer  
York-Durham Sewage System Odour Control Facility (OCF) Modifications  
York-Peel Outfall Chamber and Odour Control Facility Rehabilitation

### **Waste Management Capital Under Construction**

York Durham Energy Centre

### **Forestry Capital Under Construction**

Forestry Stewardship Centre

## **Capital Projects Recently Tendered or To Be Tendered in 2014**

### **Water Projects Tendered**

Nashville Road Watermain  
Nobleton South Elevated Tank Recoating and Antenna Mast Installation  
Water Meter Chamber (Leslie Street north of Ringwell Drive)

### **Wastewater Projects Tendered**

Inflow & Infiltration Reduction Study - Phase 2 Kleinburg  
YDSS Rehabilitation in Aurora, Markham and Vaughan