

CITY OF VAUGHAN

EXTRACT FROM COUNCIL MEETING MINUTES OF JANUARY 24, 2017

Item 1, Report No. 1, of the Finance, Administration and Audit Committee, which was adopted, as amended, by the Council of the City of Vaughan on January 24, 2017, as follows:

By receiving the following Communications:

- C5** *Director of Financial Services/Deputy City Treasurer, dated January 20, 2017;*
C7 *Director of Financial Services/Deputy City Treasurer, Director of Financial Planning and Development Finance and Deputy City Treasurer, dated January 23, 2017; and*
C8 *Deputy City Manager, Public Works, dated January 23, 2017.*

**1 2017 DRAFT WATER, WASTEWATER AND STORMWATER OPERATING BUDGETS
 AND THE 2018 PLAN**

The Finance, Administration and Audit Committee recommends:

- 1) That the recommendation contained in the following report of the City Manager, the Chief Financial Officer & City Treasurer, the Director of Environmental Services and the Director of Financial Services/Deputy Treasurer, dated January 16, 2017, be approved;**
- 2) That staff be requested to prepare a resolution to be forwarded to the Province of Ontario requesting relief and assistance from the high cost of providing Water and Wastewater services for Regional and Local Municipalities across the Province;**
- 3) That the following be approved in accordance with Communication C1 memorandum from the Deputy City Manager, Public Works, the Chief Financial Officer and City Treasurer, the Director of Environmental Services and the Director of Financial Services/Deputy City Treasurer, dated January 16, 2017:**

That the sections in this communication replace the sections in 1.39 and 1.41 of #P and M, respectively of the Water, Wastewater and Stormwater Service Charges (Attachment 3);

- 4) That Communication C2, presentation material, entitled, “*Water/Wastewater/Stormwater 2017 Draft Budget*”, dated January 16, 2017, be received; and**
- 5) That the following deputations be received:**
 - 1. Mr. Gerry O’Connor, Pennycross Court, Woodbridge; and**
 - 2. Ms. Daniela Palma, Golden Orchard Road, Maple.**

Recommendation

The City Manager, the Chief Financial Officer & City Treasurer, the Director of Environmental Services and the Director of Financial Services/Deputy Treasurer recommend:

- 1. That the draft 2017 budget including rate changes for Water and Wastewater reflecting the Regional Rate increase, new Stormwater charges, City operating and City capital requirements be approved as follows:**
 - a) That the City’s water rate be increased from \$1.5815 to \$1.7159 per cubic metre effective after Council approval;**
 - b) That the City’s wastewater rate be decreased from \$2.1426 to \$2.0663 per cubic metre effective after Council approval;**

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- c) That the City's stormwater classification charges be approved;
- d) That the stormwater portion of the wastewater reserve, reconciled as at December 31, 2016, transfer from the Wastewater Reserve to the new Stormwater Reserve be approved;
- e) That the funding source for approved stormwater capital projects be changed from the wastewater reserve to the stormwater reserve;
- f) That the capital projects FL-5531-17, FL-5532-17 and EV-2118-17 in the amount of \$160,680.00, \$43,260.00 and \$154,500.00 respectively, as outlined in Attachment 4 for a total of five new vehicles and a water and wastewater rate study be approved;
- g) That the Additional Resource Request (ARR) as outlined in Attachment 2 be approved;
- h) That the service charges for water, wastewater and stormwater as outlined in Attachment 3 be approved;
- i) That any necessary by-laws be introduced; and
- j) That the water-consumption rate and the wastewater-discharge rate set out in Attachment 3 come into effect on April 1, 2017.

Contribution to Sustainability

In May 2000, the events of E. coli outbreak and water contamination in the Town of Walkerton led to an inquiry under Justice Dennis O'Conner. The recommendations from the inquiry form the basis for the Safe Drinking Water Act. The Safe Drinking Water Act regulates water operator training, licensing of drinking water systems, testing and sampling, audits, financial planning, the use of regulated labs and a drinking water quality management system.

This regulation, coupled with the Ontario Water Resources Act, define and guide the budget for water, wastewater and stormwater.

In 2002, the Sustainable Water and Sewage System Act was introduced, but later repealed in 2010 to be replaced by the Sustainable Water and Waste Water Systems Improvement and Maintenance Act. This act is at first reading. Both of these acts speak to the full cost recovery to operate, maintain and replace drinking water and wastewater systems. It is in the best interest of drinking water owners and municipal administration to strive towards full cost recovery in order to fulfill the spirit of the Walkerton Recommendations and to ensure that water is always safe to drink.

Safe drinking water, effective wastewater collection and stormwater management are cornerstones of a sustainable and healthy community.

The draft 2017 water, wastewater and stormwater budgets, rates and charges provide funds to support the City's water, wastewater and stormwater services by moving towards financial sustainability in accordance with the Safe Drinking Water Act, and the Environmental Protection Act.

Continued infrastructure renewal investment is critical to ensure water, wastewater and stormwater services are sustainable in the future. This objective is supported by continuing to build City reserves.

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Economic Impact

The combined City of Vaughan 2017 rate increase for water and wastewater is \$0.0581 per cubic metre or 1.56% over the 2016 combined water and wastewater rate. As noted in the stormwater rate study the impact of the new stormwater charge is to be revenue neutral in the first year. As a result, in setting the 2017 combined water and wastewater rate, \$0.2977 was subtracted from the wastewater rate in order to offset the financial impact of the new stormwater charge to residents and businesses. The stormwater charge together with the 2017 combined water and wastewater rate equates to an overall increase of 9.55%.

In addition to the water and wastewater rates, the City will implement a new stormwater charge for 2017. The flat charge, based on property classification, is expected to generate \$12.1 million to fund stormwater related programs and services. This charge will help ensure there is a dedicated funding source to protect public property and protect the environment.

In March 2016, Council approved that a separate stormwater charge be applied to properties in the City of Vaughan, starting in 2017, based on stormwater run-off and that a stormwater infrastructure reserve, funded from the stormwater charge, be created to fund stormwater capital projects. Flat stormwater charges by property classifications are outlined below.

Flat Charge per Property	2017 Charge*	2018 Charge*
Non-Residential (Small)	\$41.28	\$43.22
Non-Residential (Medium)	\$1,066.21	\$1,116.45
Non-Residential (Large)	\$16,740.78	\$17,529.59
Agricultural/Vacant	\$694.65	\$725.50
Residential (Low Density) - per unit	\$50.00	\$52.12
Residential (Medium Density) - per unit	\$30.61	\$31.78
Residential (High Density)	\$184.00	\$192.27

* Charges based on the Watson's Stormwater Infrastructure Funding Study

Government agencies, places of worship, schools and non-profits are exempt from the stormwater charge

Continued infrastructure renewal investment is critical to ensure water, wastewater and stormwater systems and services are sustainable in the future as this will ensure the provision of safe drinking water. This objective is supported by continuing to build City reserves. The 2017 budgeted rates and charges will generate a combined net contribution of \$21.3 million to reserves thus continuing the City's move towards long-term financial sustainability of the City's water, wastewater and stormwater systems and services.

Communications Plan

The approved water and wastewater rates and stormwater charges will be advertised in accordance with the City's Notice By-law. Staff will provide a list of questions and answers to the Corporate Communications department to assist in responding to the public and the media.

The notice for this report has been advertised using the City's Corporate Communication Strategy.

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Final Opportunity for Community Input

In addition to the meeting of the Finance, Administration and Audit Committee, a Council Meeting will also be held before budget approval to provide the public with a final opportunity to comment on the proposed 2017 Budget and 2018 Plan. This meeting will be held on January 24, 2017 and will be advertised in advance, consistent with the City's public notification by-law.

Post Budget Approval Communication

Leading up to the budget meetings and following approval of the budget, the City will promote the budget process and communicate budget highlights by employing a variety of tactics, including media outreach, website content, social media messages, a blog and eNewsletter posts. The tactics will target various members of the community, including seniors. Staff will provide a list of questions and answers to the Corporate Communications department to assist in responding to the public and the media.

Stormwater Charge Communications Plan

Environmental Services and Corporate Communications have developed a plan for the implementation of the new stormwater charge. Since approval by Council in March 2016, communication through social media educating the public on stormwater has been consistent and pervasive. A website, posters and a video have all been developed and will be promoted increasingly, leading up to the first appearance on the utility bill. Inserts in the utility bill have also been developed and will be included twice prior to the first billing. Education sessions with Councillor offices and Access Vaughan will be conducted as well.

Purpose

The purpose of this report is to provide and present the 2017 Draft Water, Wastewater and Stormwater Operating Budgets, the 2018 Plan and the corresponding draft water and wastewater rates and stormwater charges to the Finance, Administration and Audit Committee for consideration.

Background – Analysis and Options

Regulatory Requirements

Water and wastewater are regulated services and must meet legislated requirements of the Safe Drinking Water Act, the Environmental Protection Act and the Ontario Water Resources Act. The Acts' purposes are to protect human health and the environment through the control and regulation of drinking water systems, drinking water testing, wastewater collection and treatment facilities as well as to ensure financial viability. The Ontario Water Resources Act provides a framework for the establishment, alteration, replacement and in some cases the operating requirements of stormwater infrastructure in order to mitigate the impact of stormwater on the receiving environment. It is incumbent upon Council and to management to ensure that the City meets its obligations under the various Acts.

Financial Sustainability: Always a Key Priority

The objective of the City's financial planning process is to develop a multi-year budget that balances the need to maintain existing services, accommodate growth requirements and undertake corporate initiatives against the City's capacity to fund them. The City's financial management policies and practices are based on best practices to maintain the City's strong financial position.

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Infrastructure Challenge

One element to ensuring the delivery of safe drinking water and protection of the environment is to ensure that funds are available to fix pipes, valves, manholes, booster stations, Stormwater ponds and other infrastructure today and in the future. The 2016 Canadian Infrastructure Report Card highlights the current infrastructure crisis across Canada. Vaughan's Corporate Asset Management team is working with Environmental Services and Financial Services to determine concrete financial needs for infrastructure renewal and replacement in the coming decades. Saving now is key to ensuring that funds are available to ensure the continual supply of safe drinking water.

As the City moves forward, financial sustainability must continue as one of Vaughan's key priorities. Prudent financial planning requires ongoing contributions to water, wastewater and stormwater reserves to fund repair and replacement of infrastructure. The 2017 budget is focused on maintenance of current infrastructure and increasing reserve contributions. This will position the City to be able to continue to build its reserves to meet future infrastructure needs, while ensuring that the Draft 2017 Budget and 2018 Plan would be fully aligned with the priorities and initiatives identified on the Term of Council Service Excellence Strategy Map.

A capital project is also being proposed in the 2017 budget to examine funding models for the water and wastewater rate. This will also include a multi-year financial plan to work towards building infrastructure reserves.

Draft 2017 Budget and 2018 Plan

The City is growing rapidly. We are delivering on the vision of being a City of Choice, improving service delivery, managing growth and delivering services more effectively and efficiently.

The Draft 2017 Budget and 2018 Plan are aligned with the term of council priorities and the service excellence strategic initiatives presented in the Term of Council Service Excellence Strategy Map. On September 30, 2015, Council approved a refreshed strategic plan. This plan continues to provide a focused set of priorities for the corporation to deliver on our mission of citizens first through service excellence. The plan also aligns the City's two-year budget with the priorities and goals of the strategic plan.

Focusing on service excellence means that we will seek out ways to improve how residents and businesses experience our services. The goal is to increase satisfaction with our programs and services while also seeking efficiencies in how services are delivered. This will include identifying opportunities to use technology and apply digital strategies to improve our ability to deliver service excellence cost-effectively.

The Draft 2017 Budget and 2018 Plan outlined in the attached Draft 2017 Budget Book sets out staff's recommended operating allocations to deliver the City's water, wastewater and stormwater services over the next two years, including additional resource requests.

Relationship to Term of Council Service Excellence Strategy Map (2014-2018)

The 2017 water, wastewater and stormwater budget supports the Term of Council Priorities, as identified on the Term of Council Service Excellence Strategy Map, by ensuring that the City:

- invest, renew and manage infrastructure and assets;
- continue to ensure the safety and well-being of citizens; and
- continue to cultivate an environmentally sustainable city.

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Regional Implications

There are no implications however, wholesale purchases from the Region for 2017 represents 77% of the City's combined water and wastewater costs.

Conclusion

The combined draft water and wastewater rate will increase from \$3.7241 to \$3.7822 per cubic metre. This covers a 9% wholesale rate increase from the Region of York. Further, the new rate will ensure the City meets regulatory requirements which include operations, maintenance and reserve contributions for capital projects.

A new stormwater charge will be implemented for 2017 to fund stormwater related programs and services.

The 2017 draft water, wastewater and stormwater budgets will generate funds to support water, wastewater and stormwater services and move towards full cost recovery, thereby meeting the Safe Drinking Water Act, Environmental Protection Act and the Ontario Water Resources Act.

It is therefore recommended that the City's water rate be increased to \$1.7159 per cubic metre and that the wastewater rate be decreased to \$2.0663 per cubic metre both effective April 1, 2017 and new flat stormwater charges be implemented based on property classifications starting from 2017.

Attachments

1. Draft 2017 Budget Book
2. The 2017 Water, Wastewater and Stormwater ARR Requests
3. 2017 Draft Operating Budget Water, Wastewater and Stormwater Service Charges
4. FL-5531-17, FL-5532-17 and EV-2118-17 Capital Project Summary

Report prepared by:

Dean Ferraro CPA, CA, Director of Financial Services/Deputy Treasurer, Ext. 8272
Jennifer Rose, Director of Environmental Services, Ext. 6116
Sean Skinkle, Finance Manager, Ext. 8486

(A copy of the attachments referred to in the foregoing have been forwarded to each Member of Council and a copy thereof is also on file in the office of the City Clerk.)



c. <u>5</u>
Communication
COUNCIL: <u>Jan 24/17</u>
FAA Rpt. No. <u>1</u> Item <u>1</u>

DATE: January 20, 2017

TO: MAYOR AND MEMBERS OF COUNCIL

FROM: DEAN FERRARO, DIRECTOR OF FINANCIAL SERVICES/DEPUTY CITY TREASURER

RE: REVISED CITY OF TORONTO WATER AND WASTEWATER RATES IN MUNICIPAL COMPARISON SLIDE IN THE WATER/WASTEWATER/STORMWATER 2017 DRAFT BUDGET PRESENTATION

This communication is to provide revised water and wastewater comparative information regarding the average annual cost to City of Toronto residents.

During the Finance, Audit and Administration (FAA) Committee held on January 16, 2017 a question was asked about the \$1,018 water and wastewater charge for City of Toronto residents. In reviewing the number, the correct figure is \$967 based on an annual consumption of 267 m³ and Toronto's 2017 water and wastewater rates. As a result, the City of Toronto is now shown to have the lowest average annual costs amongst the comparative municipalities.

The attached slide replaces Slide 13 in the *Water/Wastewater/Stormwater 2017 Draft Budget* presentation that was presented to FAA Committee on January 16, 2017.

Attachment

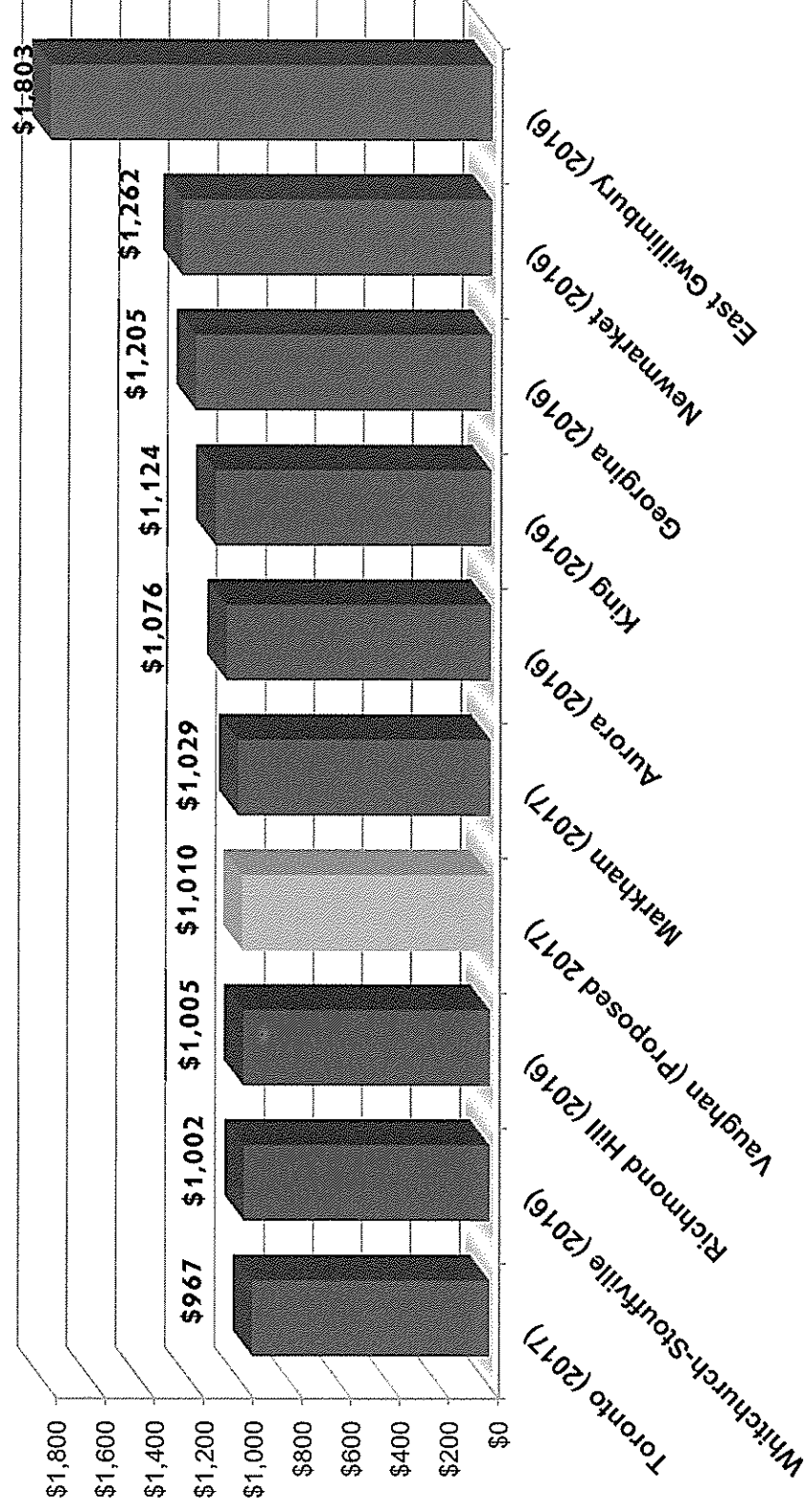
1. Slide 13, Municipal Comparison, Annual Cost to the Average Household

Respectfully submitted,

A handwritten signature in cursive script, reading 'Dean Ferraro', written over a horizontal line.

Dean Ferraro, CPA, CA
Director of Financial Services/Deputy City Treasurer

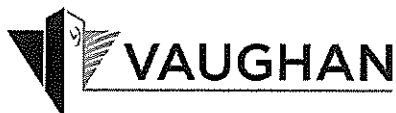
Municipal Comparison Annual Cost to the Average Household*



*Total Water/Wastewater billing based on an average consumption/usage of 267m³ per year.



CANADA 150



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Communication	
COUNCIL: <u>Jan 24/17</u>	
FAA Rpt. No. <u>1</u>	Item <u>1</u>

DATE: January 23, 2017

TO: Mayor and Members of Council

FROM: Dean Ferraro, Director of Financial Services/Deputy City Treasurer
Lloyd Noronha, Director of Financial Planning and Development Finance and Deputy City Treasurer

RE: **Finance, Administration and Audit Committee - Report 1, Item 1**

Purpose

To provide Council with additional information on funding sources for the Water, Wastewater and Stormwater capital programs.

Background

The Water, Wastewater and Stormwater capital programs are funded from a variety of sources.

The table below summarizes the funding sources of the capital plan.

Table: Funding Sources of Capital

	Citywide Development Charges	Infrastructure Reserves	Gas Tax	Debenture Finance	Other (Subdivider Contributions, Grants and Shared Costs)	Capital from Taxation	Total
Open projects	24,680,208	17,028,702	2,545,004	1,128,096	920,918		46,302,928
2017	9,495,225	9,870,105		1,133,200		34,900	20,533,430
Grand Total	34,175,433	26,898,807	2,545,004	2,261,296	920,918	34,900	66,836,358

The total capital plan for water, wastewater and stormwater equates to \$66.8 million, with funding allocated as follows:

- 51% Citywide Development Charges for the design and construction of growth related infrastructure
- 40% Water, Wastewater and Stormwater Reserves for the replacement of existing infrastructure
- 4% from Gas Tax for Stormwater Management Pond rehabilitation
- 3% Debenture Finance for VMC Stormwater projects (Edgeley Pond and Black Creek)
- 2% Capital from Taxation, Subdivider Contributions, Grants and Shared Costs for other infrastructure projects



CANADA 150



memorandum

Staff continually investigate and explore alternate funding sources for capital programs.

These alternate funding sources usually are in the form of grants funded by the Federal and Provincial governments. One such opportunity is the Clean Water Wastewater Fund (CWWF).

In September of 2016 the City received a notification from the Ministry of Infrastructure that the City is eligible to receive a maximum federal allocation of \$13,903,829 and a maximum provincial allocation of \$6,951,915, totaling \$20,855,744. Staff completed the required application and are waiting to receive confirmation of funding for the projects that have been proposed.

If successful, funds received from the CWWF will reduce the draw on reserves.

The CWWF focuses investments on meeting immediate priorities for clean water and wastewater to support a cleaner and healthier environment for communities. These include:

- the rehabilitation and optimization of water, wastewater and stormwater related infrastructure;
- improvement of asset management approaches including studies and pilot projects;
- planning for future upgrades to wastewater treatment and collection infrastructure to meet applicable regulatory requirements; and
- new construction projects, including the construction of naturalized systems for management and treatment of wastewater and storm water may also be considered if they can be completed within the program timeframe.

At the Finance, Administrative and Audit Committee on January 24, 2017, Council added a resolution as follows:

"That staff be requested to prepare a resolution to be forwarded to the Province of Ontario requesting relief and assistance from the high cost of providing Water and Wastewater services for Regional and Local Municipalities across the Province"

At this time, other than the CWWF funds noted above staff are not aware of any other federal or provincial programs currently available. Staff believe it would be appropriate to await the outcome of the CWWF grant funding approval, before sending a communication requesting further relief.

Once the Ministry of Infrastructure notifies the City of the amount of CWWF funds approved, staff will report back to Council. Subsequently, staff will draft a communication to the Province once we have the benefit of the approved CWWF grant information and any further direction Council may provide at that point in time.



memorandum

Respectfully submitted,

Dean Ferraro, CPA, CA
Director of Financial Services/Deputy City Treasurer

Lloyd Noronha, CPA, CMA
Director of Financial Planning and Development Finance and Deputy Treasurer

DATE: January 23, 2017

TO: Honourable Mayor Bevilacqua and Members of Council

FROM: Stephen Collins
Deputy City Manager, Public Works

RE: COMMUNICATION

**ITEM # 1, REPORT NO. 1 – FINANCE, ADMINISTRATION AND AUDIT COMMITTEE,
JANUARY 17, 2017**

**ADDITIONAL INFORMATION – COMPARISON OF WATER AND WASTEWATER
OPERATIONS STAFFING LEVELS IN YORK REGION MUNICIPALITIES**

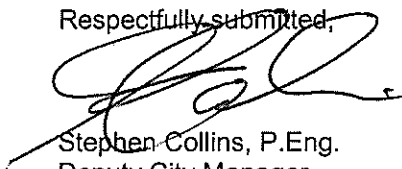
The information presented in Table 1, shows the full time staffing for operations and maintenance of water and wastewater sewer systems in the City of Vaughan, York Region and area municipalities.

City of Vaughan staffing levels are comparable to York Region's other area municipalities. Municipal staffing levels vary depending on how many maintenance activities and other work are contracted out. Also, at least one of the other municipalities use staff in other public works services.

**Table 1 – Comparison of Staffing Levels in Water and Wastewater Operations in York Region
Municipalities**

Municipality	Staff Complement	KM of Pipe	Staff per KM of Pipe
Vaughan	42	1996	1 FTE per 47 km of pipe
Richmond Hill	25	1167	1 FTE per 46 km of pipe
Markham	37	1973	1 FTE per 53 km of pipe
Newmarket	16	590	1 FTE per 36 km of pipe, staff are shared with winter maintenance
Aurora	8	410	1 FTE per 51 km of pipe
Georgina	10	407	1 FTE per 40 km of pipe
Whitchurch- Stouffville	9	288	1 FTE per 32 km of pipe
King	7	140	1 FTE per 20 km of pipe
York Region	56	660	1 FTE per 11 km of pipe
East Gwillimbury	7	145	1 FTE per 20 km of pipe

Respectfully submitted,



Stephen Collins, P.Eng.
Deputy City Manager
Public Works

cc: Jennifer Rose, Director of Environmental Services



memorandum

DATE: January 16, 2017

TO: MAYOR AND MEMBERS OF COUNCIL

FROM: STEPHEN COLLINS, DEPUTY CITY MANAGER, PUBLIC WORKS
LAURA MIRABELLA-SIDDALL, CHIEF FINANCIAL OFFICER AND CITY TREASURER
JENNIFER ROSE, DIRECTOR OF ENVIRONMENTAL SERVICES
DEAN FERRARO, DIRECTOR OF FINANCIAL SERVICES/DEPUTY CITY TREASURER

RE: ITEM #1 FINANCE, ADMINISTRATION AND AUDIT COMMITTEE – JANUARY 16, 2017
2017 DRAFT WATER, WASTEWATER AND STORMWATER OPERATING BUDGETS AND
THE 2018 PLAN

ATTACHMENT #3 WATER, WASTEWATER AND STORMWATER SERVICE CHARGES

Recommendation

The Deputy City Manager, Public Works, Chief Financial Officer and City Treasurer, Director of Environmental Services and Director of Financial Services/Deputy City Treasurer recommend:

1. That the sections in this communication replace the sections in 1.39 and 1.41 of #P and M, respectively of Water, Wastewater and Stormwater Service Charges (Attachment 3)

Purpose

This communication is to provide additional information to Attachment 3: Water, Wastewater and Stormwater Service Charges

P and M of Service Charges in Sections 1.39 and 1.41 for Water and Wastewater, respectively (Attachment 3) outline the administration fees.

The sections below replace the sections in Attachment 3.

#P, Section 1.39 Water Service Charges:

P.	General Administration Fee where applicable	15% to a max of \$1,000 per invoice
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#M, Section 1.41 Wastewater and Stormwater Service Charges:

M.	General Administration Fee where applicable	15% to a max of \$1,000 per invoice
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Respectfully submitted,



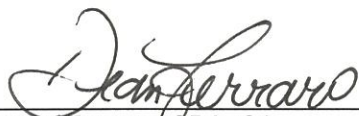
Stephen Collins
Deputy City Manager, Public Works



Laura Mirabella-Siddall, CPA, CA
Chief Financial Officer and City Treasurer



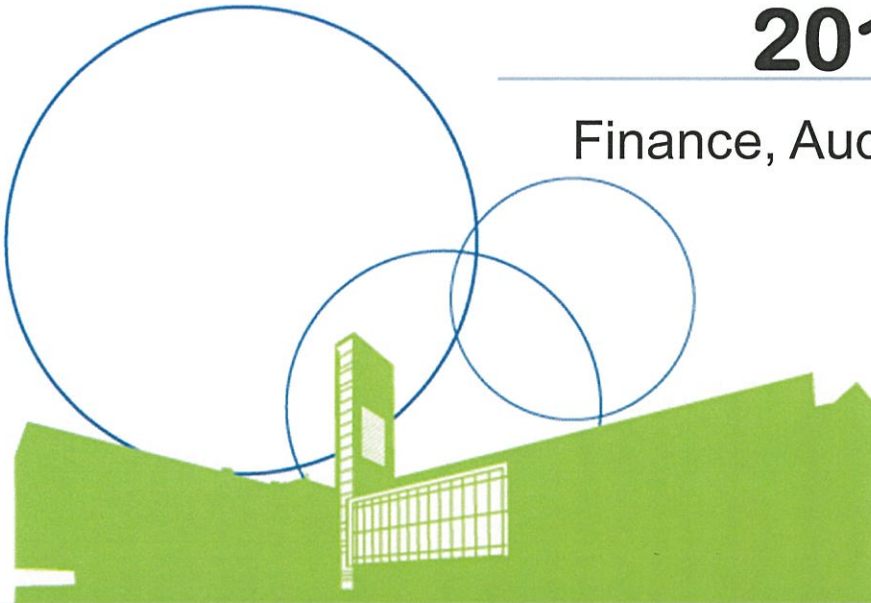
Jennifer Rose
Director of Environmental Services



Dean Ferraro, CPA, CA
Director, Financial Services/Deputy City Treasurer

Water/Wastewater/Stormwater 2017 Draft Budget

Finance, Audit and Administration Committee –
January 16, 2017

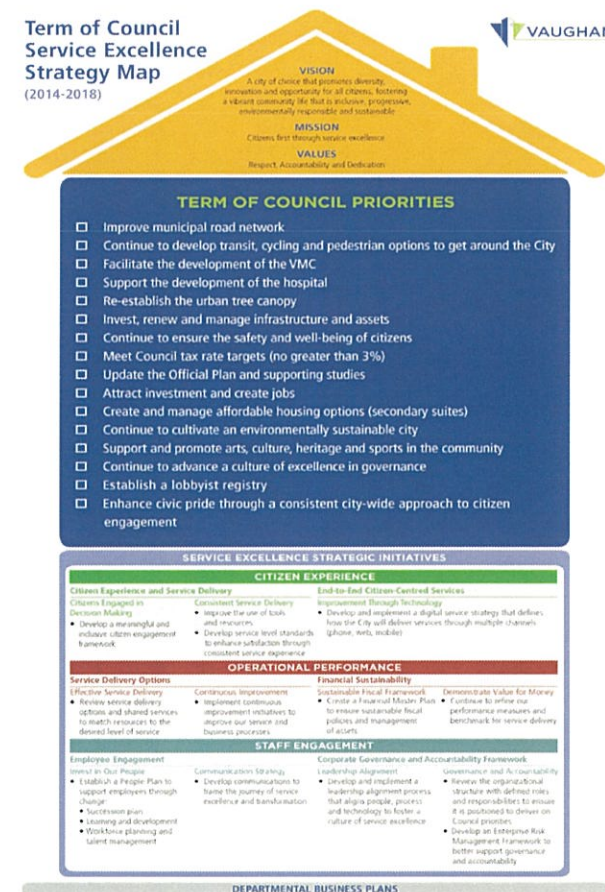


The 2017 Budget Delivers on Council Priorities and Service Excellence

The 2017 water, wastewater and stormwater budget supports the Term of Council Priorities, as identified on the Term of Council Service Excellence Strategy Map, by ensuring that the City:

- T06- invest, renew and manage infrastructure and assets;
- T07- continue to ensure the safety and well-being of citizens; and
- T12- continue to cultivate an environmentally sustainable city.

Term of Council Service Excellence Strategy Map (2014-2018)



DEPARTMENTAL BUSINESS PLANS

Budget Objective

- To ensure financially viable and sustainable water, wastewater and stormwater services for both the short and long-term
 - ✓ Safe drinking water
 - ✓ Effective wastewater collection
 - ✓ Stormwater management



Draft Water and Wastewater Rates

- For 2017, the combined water and wastewater draft rate is \$3.7822/m³ representing a 1.56% increase over 2016
- Based on the 2017 water and wastewater draft rate, the average household will pay an additional:

	Annual	Monthly
Water	\$7.04	\$0.59
Wastewater	\$8.48	\$0.71
Total	\$15.52	\$1.29



Draft 2017 Stormwater Charges

Property Type	Draft Stormwater Charge – exemptions applied (2017)
Residential – Low Density (detached home) – per unit	\$50.00
Residential – Medium Density (townhouse, semi-detached) – per unit	\$30.61
Residential – High Density (condominium)	\$184.00
Non-Residential – Small (< 1 ac)	\$41.28
Non-Residential – Medium (1-10 ac)	\$1,066.21
Non-Residential – Large (>10 ac)	\$16,740.78
Agricultural/Vacant	\$694.65

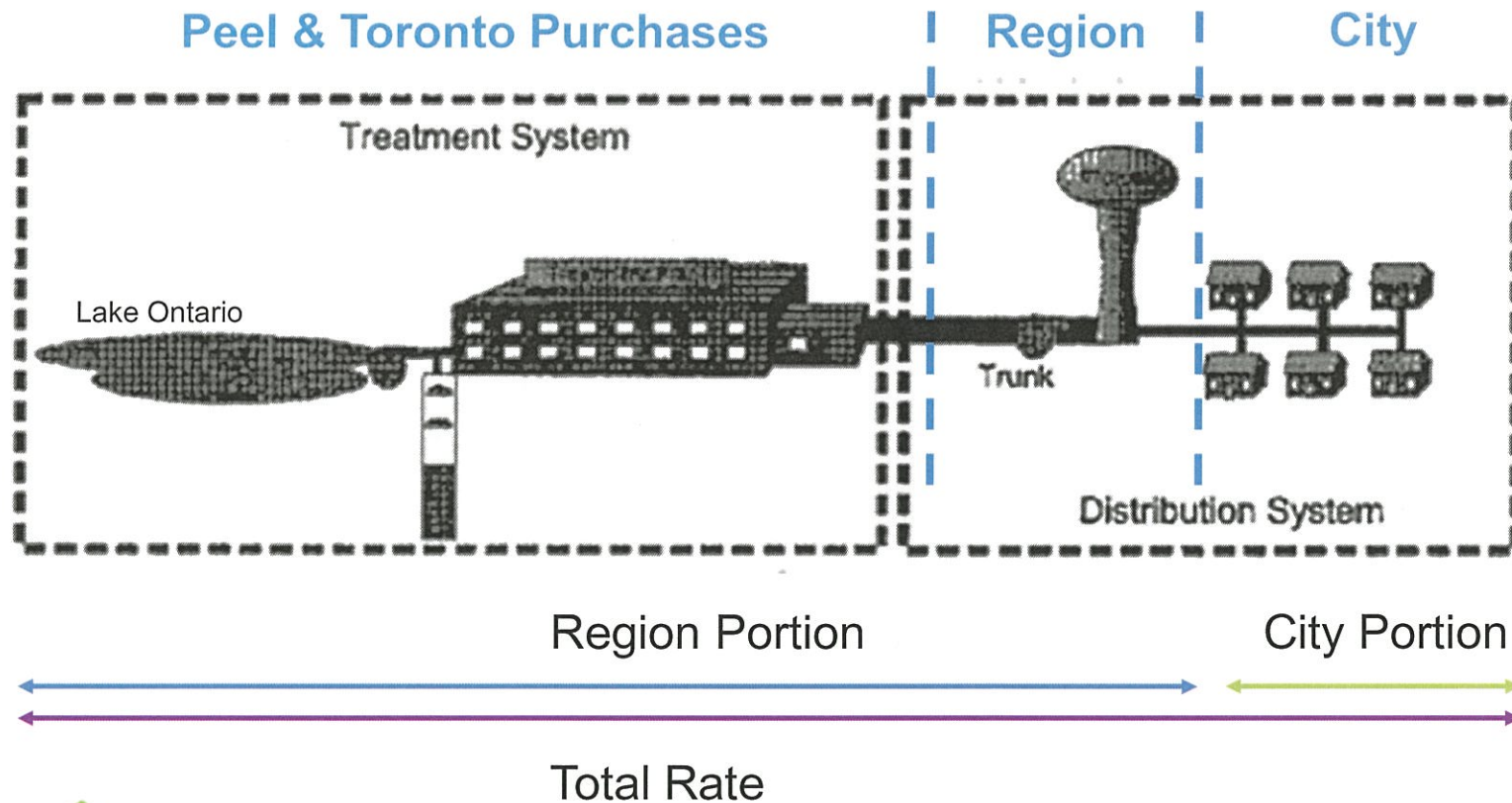


Why do the rates increase every year?

- Rate increases ensure that the water stays safe to drink by:
 - investing in compliance, operations and maintenance, fixing the drinking water and wastewater systems and saving for future repairs
- In May 2000, in the Town of Walkerton, 7 people died and thousands became ill due to contaminated water in the drinking water system
- Justice O'Connor's inquiry into the tragedy in Walkerton was the basis for the Safe Drinking Water Act

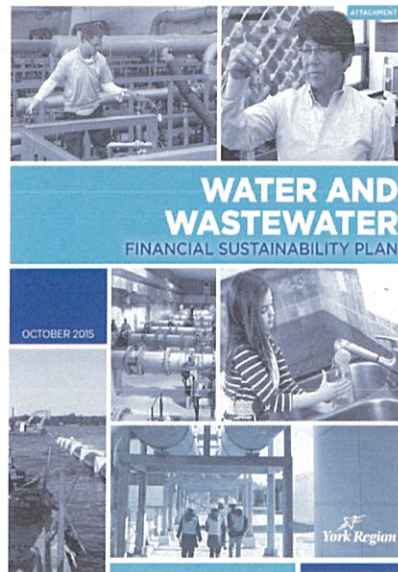


York and Vaughan partnership to deliver Safe Drinking Water



Water and Wastewater Financial Sustainability Plan 2015 – The Regional Municipality of York

OBJECTIVES & PRINCIPLES



Realizing Operational Excellence

Provide clean and safe drinking water to over 1.1 million residents

Keep over \$5.3B of capital infrastructure in good condition

Comply with complex provincial environmental regulations

EFFECTIVE DELIVERY OF WATER AND WASTEWATER SERVICES

Moving Towards Financial Sustainability

Set prices to achieve full cost recovery

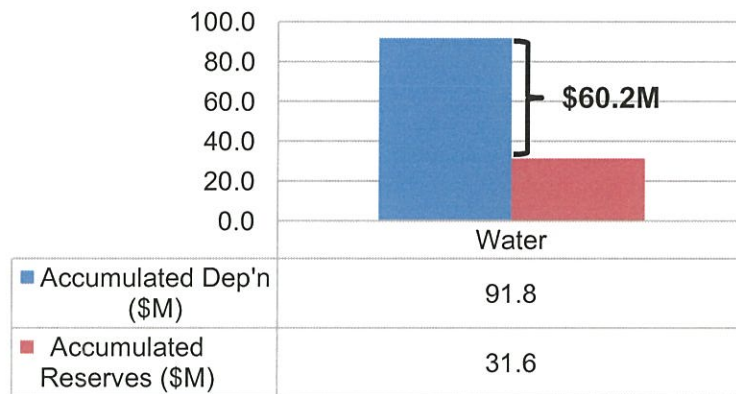
Build reserves for future capital rehabilitation and replacement

Establish rate stabilization reserves

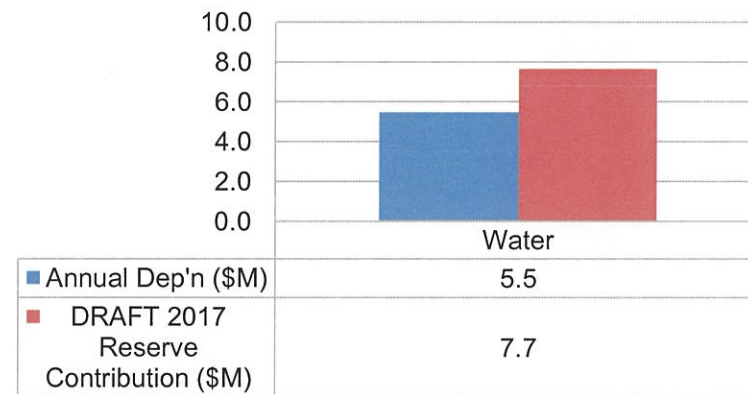
- Combined water and wastewater rates from the Region have increased at 10% per year since 2012.
- Regional Council has approved combined water and wastewater increases at 9% for 2016 - 2020 and 2.9% for 2021.

2017 Financial Position of Depreciation and Reserve for Water

Water Accumulated Depreciation & Reserves



Water Annual Depreciation & 2017 Draft Reserves

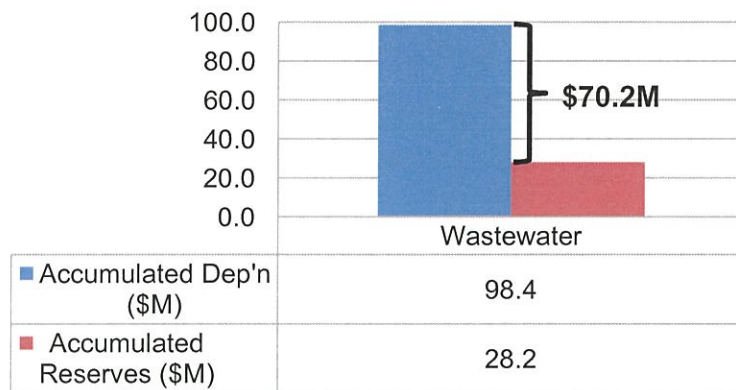


- A 2017 Water and Wastewater Rate Study will determine the current infrastructure challenges and future needs and a funding strategy will be developed to close the funding gap.

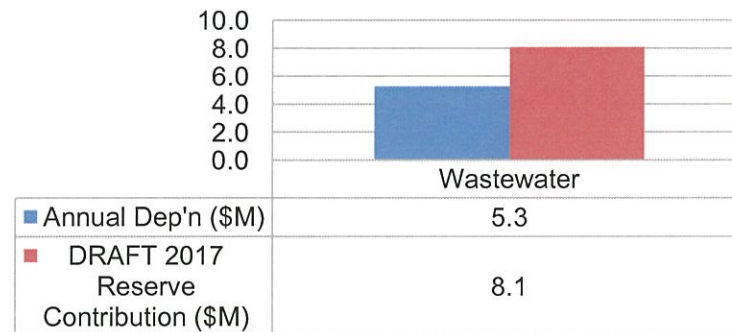


2017 Financial Position of Depreciation and Reserve for Wastewater

Wastewater Accumulated Depreciation & Reserves



Wastewater Annual Depreciation & 2017 Draft Reserves

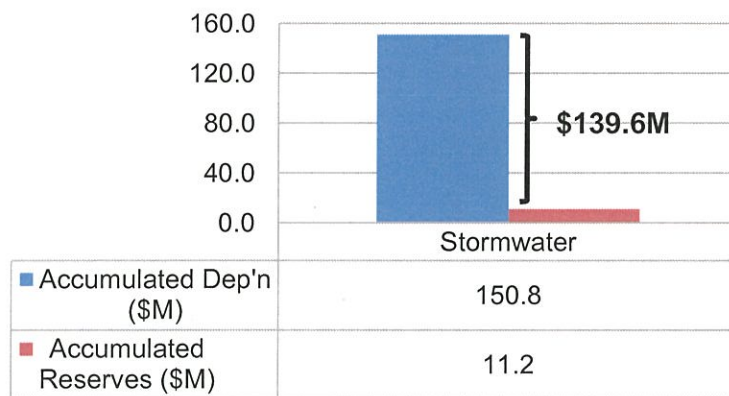


- A 2017 Water and Wastewater Rate Study will determine the current infrastructure challenges and future needs and a funding strategy will be developed to close the funding gap.

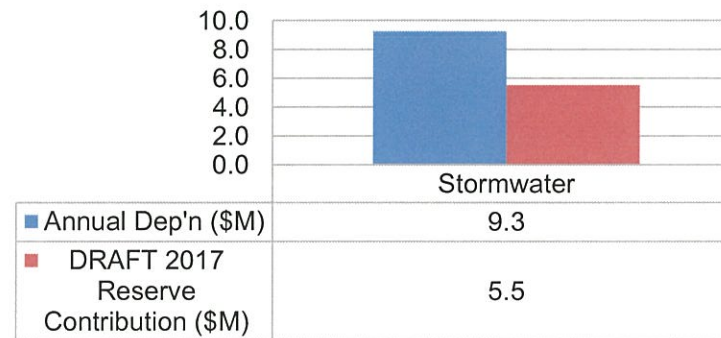


2017 Financial Position of Depreciation and Reserve for Stormwater

Stormwater Accumulated Depreciation & Reserves



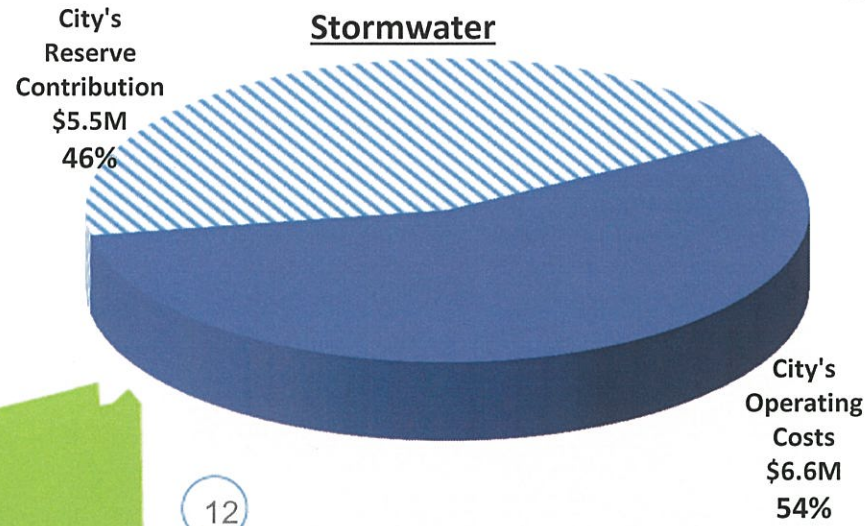
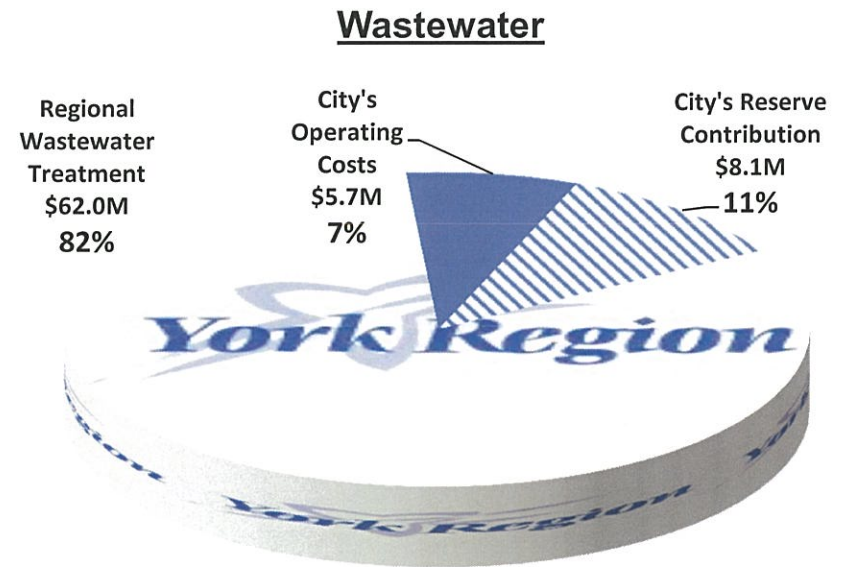
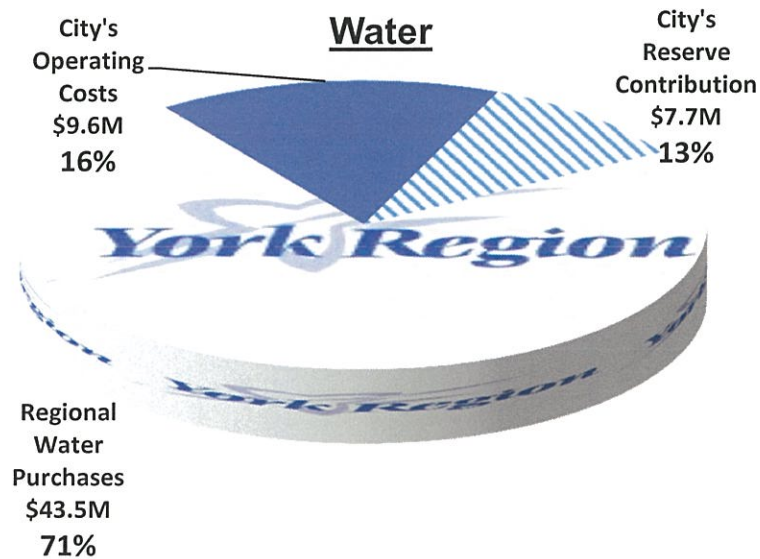
Stormwater Annual Depreciation & 2017 Draft Reserves



- A comprehensive capital program plan was identified in the Stormwater Rate Study to reduce the funding gap

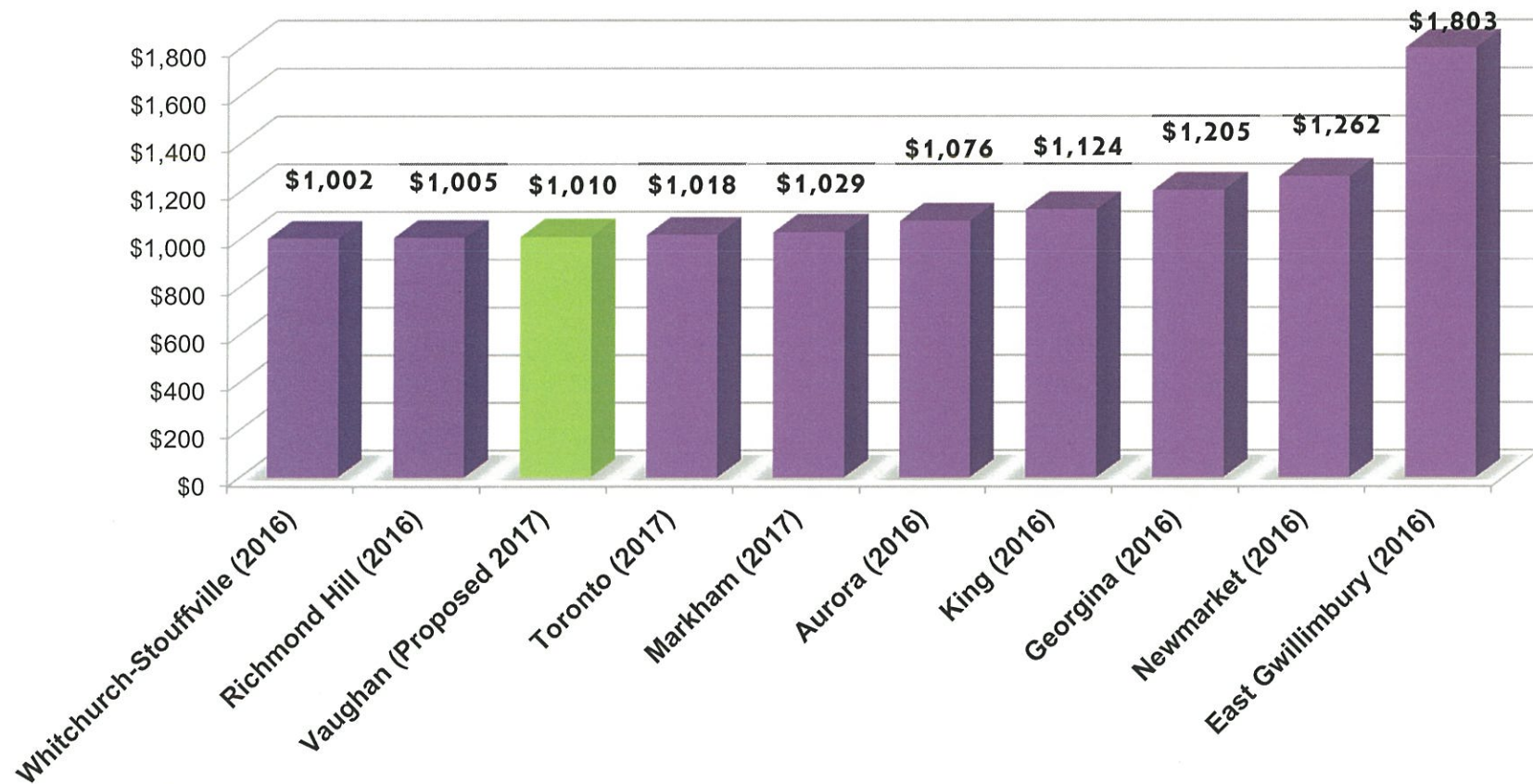


2017 Budget Overview



Municipal Comparison

Annual Cost to the Average Household*



*Total Water/Wastewater billing based on an average consumption/usage of 267m³ per year.

Summary

- The 9.55% combined draft water and wastewater rate and the stormwater charge will allow the City to continue to:
 - Deliver safe drinking water
 - Effectively collect wastewater
 - Manage stormwater



Questions



15

**2017 DRAFT WATER, WASTEWATER AND STORMWATER OPERATING BUDGETS
AND THE 2018 PLAN****Recommendation**

The City Manager, the Chief Financial Officer & City Treasurer, the Director of Environmental Services and the Director of Financial Services/Deputy Treasurer recommend:

1. That the draft 2017 budget including rate changes for Water and Wastewater reflecting the Regional Rate increase, new Stormwater charges, City operating and City capital requirements be approved as follows:
 - a) That the City's water rate be increased from \$1.5815 to \$1.7159 per cubic metre effective after Council approval;
 - b) That the City's wastewater rate be decreased from \$2.1426 to \$2.0663 per cubic metre effective after Council approval;
 - c) That the City's stormwater classification charges be approved;
 - d) That the stormwater portion of the wastewater reserve, reconciled as at December 31, 2016, transfer from the Wastewater Reserve to the new Stormwater Reserve be approved;
 - e) That the funding source for approved stormwater capital projects be changed from the wastewater reserve to the stormwater reserve;
 - f) That the capital projects FL-5531-17, FL-5532-17 and EV-2118-17 in the amount of \$160,680.00, \$43,260.00 and \$154,500.00 respectively, as outlined in Attachment 4 for a total of five new vehicles and a water and wastewater rate study be approved;
 - g) That the Additional Resource Request (ARR) as outlined in Attachment 2 be approved;
 - h) That the service charges for water, wastewater and stormwater as outlined in Attachment 3 be approved;
 - i) That any necessary by-laws be introduced; and
 - j) That the water-consumption rate and the wastewater-discharge rate set out in Attachment 3 come into effect on April 1, 2017.

Contribution to Sustainability

In May 2000, the events of E. coli outbreak and water contamination in the Town of Walkerton led to an inquiry under Justice Dennis O'Conner. The recommendations from the inquiry form the basis for the Safe Drinking Water Act. The Safe Drinking Water Act regulates water operator training, licensing of drinking water systems, testing and sampling, audits, financial planning, the use of regulated labs and a drinking water quality management system.

This regulation, coupled with the Ontario Water Resources Act, define and guide the budget for water, wastewater and stormwater.

In 2002, the Sustainable Water and Sewage System Act was introduced, but later repealed in 2010 to be replaced by the Sustainable Water and Waste Water Systems Improvement and Maintenance Act. This act is at first reading. Both of these acts speak to the full cost recovery to operate, maintain and replace drinking water and wastewater systems. It is in the best interest of drinking water owners and municipal administration to strive towards full cost recovery in order to fulfill the spirit of the Walkerton Recommendations and to ensure that water is always safe to drink.

Safe drinking water, effective wastewater collection and stormwater management are cornerstones of a sustainable and healthy community.

The draft 2017 water, wastewater and stormwater budgets, rates and charges provide funds to support the City's water, wastewater and stormwater services by moving towards financial sustainability in accordance with the Safe Drinking Water Act, and the Environmental Protection Act.

Continued infrastructure renewal investment is critical to ensure water, wastewater and stormwater services are sustainable in the future. This objective is supported by continuing to build City reserves.

Economic Impact

The combined City of Vaughan 2017 rate increase for water and wastewater is \$0.0581 per cubic metre or 1.56% over the 2016 combined water and wastewater rate. As noted in the stormwater rate study the impact of the new stormwater charge is to be revenue neutral in the first year. As a result, in setting the 2017 combined water and wastewater rate, \$0.2977 was subtracted from the wastewater rate in order to offset the financial impact of the new stormwater charge to residents and businesses. The stormwater charge together with the 2017 combined water and wastewater rate equates to an overall increase of 9.55%.

In addition to the water and wastewater rates, the City will implement a new stormwater charge for 2017. The flat charge, based on property classification, is expected to generate \$12.1 million to fund stormwater related programs and services. This charge will help ensure there is a dedicated funding source to protect public property and protect the environment.

In March 2016, Council approved that a separate stormwater charge be applied to properties in the City of Vaughan, starting in 2017, based on stormwater run-off and that a stormwater infrastructure reserve, funded from the stormwater charge, be created to fund stormwater capital projects. Flat stormwater charges by property classifications are outlined below.

Flat Charge per Property	2017 Charge*	2018 Charge*
Non-Residential (Small)	\$41.28	\$43.22
Non-Residential (Medium)	\$1,066.21	\$1,116.45
Non-Residential (Large)	\$16,740.78	\$17,529.59
Agricultural/Vacant	\$694.65	\$725.50
Residential (Low Density) - per unit	\$50.00	\$52.12
Residential (Medium Density) - per unit	\$30.61	\$31.78
Residential (High Density)	\$184.00	\$192.27

* Charges based on the Watson's Stormwater Infrastructure Funding Study
Government agencies, places of worship, schools and non-profits are exempt from the stormwater charge

Continued infrastructure renewal investment is critical to ensure water, wastewater and stormwater systems and services are sustainable in the future as this will ensure the provision of safe drinking water. This objective is supported by continuing to build City reserves. The 2017 budgeted rates and charges will generate a combined net contribution of \$21.3 million to reserves thus continuing the City's move towards long-term financial sustainability of the City's water, wastewater and stormwater systems and services.

Communications Plan

The approved water and wastewater rates and stormwater charges will be advertised in accordance with the City's Notice By-law. Staff will provide a list of questions and answers to the Corporate Communications department to assist in responding to the public and the media.

The notice for this report has been advertised using the City's Corporate Communication Strategy.

Final Opportunity for Community Input

In addition to the meeting of the Finance, Administration and Audit Committee, a Council Meeting will also be held before budget approval to provide the public with a final opportunity to comment on the proposed 2017 Budget and 2018 Plan. This meeting will be held on January 24, 2017 and will be advertised in advance, consistent with the City's public notification by-law.

Post Budget Approval Communication

Leading up to the budget meetings and following approval of the budget, the City will promote the budget process and communicate budget highlights by employing a variety of tactics, including media outreach, website content, social media messages, a blog and eNewsletter posts. The tactics will target various members of the community, including seniors. Staff will provide a list of questions and answers to the Corporate Communications department to assist in responding to the public and the media.

Stormwater Charge Communications Plan

Environmental Services and Corporate Communications have developed a plan for the implementation of the new stormwater charge. Since approval by Council in March 2016, communication through social media educating the public on stormwater has been consistent and pervasive. A website, posters and a video have all been developed and will be promoted increasingly, leading up to the first appearance on the utility bill. Inserts in the utility bill have also been developed and will be included twice prior to the first billing. Education sessions with Councillor offices and Access Vaughan will be conducted as well.

Purpose

The purpose of this report is to provide and present the 2017 Draft Water, Wastewater and Stormwater Operating Budgets, the 2018 Plan and the corresponding draft water and wastewater rates and stormwater charges to the Finance, Administration and Audit Committee for consideration.

Background – Analysis and Options

Regulatory Requirements

Water and wastewater are regulated services and must meet legislated requirements of the Safe Drinking Water Act, the Environmental Protection Act and the Ontario Water Resources Act. The Acts' purposes are to protect human health and the environment through the control and regulation of drinking water systems, drinking water testing, wastewater collection and treatment facilities as well as to ensure financial viability. The Ontario Water Resources Act provides a framework for the establishment, alteration, replacement and in some cases the operating

requirements of stormwater infrastructure in order to mitigate the impact of stormwater on the receiving environment. It is incumbent upon Council and to management to ensure that the City meet its obligations under the various Acts.

Financial Sustainability: Always a Key Priority

The objective of the City's financial planning process is to develop a multi-year budget that balances the need to maintain existing services, accommodate growth requirements and undertake corporate initiatives against the City's capacity to fund them. The City's financial management policies and practices are based on best practices to maintain the City's strong financial position.

Infrastructure Challenge

One element to ensuring the delivery of safe drinking water and protection of the environment is to ensure that funds are available to fix pipes, valves, manholes, booster stations, Stormwater ponds and other infrastructure today and in the future. The 2016 Canadian Infrastructure Report Card highlights the current infrastructure crisis across Canada. Vaughan's Corporate Asset Management team is working with Environmental Services and Financial Services to determine concrete financial needs for infrastructure renewal and replacement in the coming decades. Saving now is key to ensuring that funds are available to ensure the continual supply of safe drinking water.

As the City moves forward, financial sustainability must continue as one of Vaughan's key priorities. Prudent financial planning requires ongoing contributions to water, wastewater and stormwater reserves to fund repair and replacement of infrastructure. The 2017 budget is focused on maintenance of current infrastructure and increasing reserve contributions. This will position the City to be able to continue to build its reserves to meet future infrastructure needs, while ensuring that the Draft 2017 Budget and 2018 Plan would be fully aligned with the priorities and initiatives identified on the Term of Council Service Excellence Strategy Map.

A capital project is also being proposed in the 2017 budget to examine funding models for the water and wastewater rate. This will also include a multi-year financial plan to work towards building infrastructure reserves.

Draft 2017 Budget and 2018 Plan

The City is growing rapidly. We are delivering on the vision of being a City of Choice, improving service delivery, managing growth and delivering services more effectively and efficiently.

The Draft 2017 Budget and 2018 Plan are aligned with the term of council priorities and the service excellence strategic initiatives presented in the Term of Council Service Excellence Strategy Map. On September 30, 2015, Council approved a refreshed strategic plan. This plan continues to provide a focused set of priorities for the corporation to deliver on our mission of citizens first through service excellence. The plan also aligns the City's two-year budget with the priorities and goals of the strategic plan.

Focusing on service excellence means that we will seek out ways to improve how residents and businesses experience our services. The goal is to increase satisfaction with our programs and services while also seeking efficiencies in how services are delivered. This will include identifying opportunities to use technology and apply digital strategies to improve our ability to deliver service excellence cost-effectively.

The Draft 2017 Budget and 2018 Plan outlined in the attached Draft 2017 Budget Book sets out staff's recommended operating allocations to deliver the City's water, wastewater and stormwater services over the next two years, including additional resource requests.

Relationship to Term of Council Service Excellence Strategy Map (2014-2018)

The 2017 water, wastewater and stormwater budget supports the Term of Council Priorities, as identified on the Term of Council Service Excellence Strategy Map, by ensuring that the City:

- invest, renew and manage infrastructure and assets;
- continue to ensure the safety and well-being of citizens; and
- continue to cultivate an environmentally sustainable city.

Regional Implications

There are no implications however, wholesale purchases from the Region for 2017 represents 77% of the City's combined water and wastewater costs.

Conclusion

The combined draft water and wastewater rate will increase from \$3.7241 to \$3.7822 per cubic metre. This covers a 9% wholesale rate increase from the Region of York. Further, the new rate will ensure the City meets regulatory requirements which includes operations, maintenance and reserve contributions for capital projects.

A new stormwater charge will be implemented for 2017 to fund stormwater related programs and services.

The 2017 draft water, wastewater and stormwater budgets will generate funds to support water, wastewater and stormwater services and move towards full cost recovery, thereby meeting the Safe Drinking Water Act, Environmental Protection Act and the Ontario Water Resources Act.

It is therefore recommended that the City's water rate be increased to \$1.7159 per cubic metre and that the wastewater rate be decreased to \$2.0663 per cubic metre both effective April 1, 2017 and new flat stormwater charges be implemented based on property classifications starting from 2017.

Attachments

1. Draft 2017 Budget Book
2. The 2017 Water, Wastewater and Stormwater ARR Requests
3. 2017 Draft Operating Budget Water, Wastewater and Stormwater Service Charges
4. FL-5531-17, FL-5532-17 and EV-2118-17 Capital Project Summary

Report prepared by:

Dean Ferraro CPA, CA, Director of Financial Services/Deputy Treasurer, Ext. 8272
Jennifer Rose, Director of Environmental Services, Ext. 6116
Sean Skinkle, Finance Manager, Ext. 8486

Respectfully submitted,

Daniel Kostopoulos,
City Manager

Laura Mirabella-Siddall, CPA, CA
Chief Financial Officer & City Treasurer

Jennifer Rose,
Director of Environmental Services

Dean Ferraro, CPA, CA
Director of Financial Services/Deputy Treasurer

DRAFT Water, Wastewater and Stormwater 2017 Budget 2018 Plan

Executive Summary

In May 2000, the E.coli outbreak and water contamination events in the Town of Walkerton led to an inquiry under Justice Dennis O’Conner. The recommendations from the inquiry form the basis for the Safe Drinking Water Act. The Safe Drinking Water Act regulates water operator training, licensing of drinking water systems, testing and sampling, audits, financial planning, the use of regulated labs and a drinking water quality management system.

This regulation, coupled with the Ontario Water Resources Act, define and guide the budget for water, wastewater and stormwater.

In 2002, the Sustainable Water and Sewage System Act was introduced, but later repealed in 2010 to be replaced by the Sustainable Water and Waste Water Systems Improvement and Maintenance Act. This act is at first reading. Both of these acts speak to the full cost recovery to operate, maintain and replace drinking water and wastewater systems. It is in the best interest of drinking water owners and municipal administration to strive towards full cost recovery in order to fulfill the spirit of the Walkerton recommendations and to ensure that water is always safe to drink.

Safe drinking water, effective wastewater collection and stormwater management are cornerstones of a sustainable and healthy community. In order to achieve this, continued infrastructure investment is critical to ensure water, wastewater and stormwater systems are sustainable in the future. This objective is supported by continuing to build City reserves.

The 2017 budgeted rates and charges will generate a total net contribution of \$21.3 million to reserves to fund water, wastewater and stormwater related programs and services in order to protect property, the environment as well as support and move towards a financially sustainable Water and Wastewater system as required by the Safe Drinking Water Act. It is incumbent upon Council and management to ensure that the City meet its obligations under the various Acts.

The water and wastewater rates and stormwater charges also support operating and maintenance activities, including regulatory compliance and the purchase of water and wastewater treatment services from the Region of York.

The majority of the City’s water and wastewater costs are from the Region. 2017 price increases of 11.70% for water and 7.20% for wastewater, for a combined increase of 9.00%, were approved for 2017 by the Region.

Additional resource requests include a Project Manager for Stormwater to support an increased capital program as identified in the stormwater rate study; a 2-year contract for a Program Manager for Stormwater/Wastewater operations; a Water Backflow Prevention Coordinator to enhance the safety of the water distribution system; and a Program Planning Manager to provide additional strategic support to Water, Wastewater and Stormwater operations.

DRAFT Water, Wastewater and Stormwater 2017 Budget 2018 Plan

The combined City of Vaughan 2017 rate increase for water and wastewater is \$0.0581 per cubic metre or 1.56% over the 2016 combined water and wastewater rate. As noted in the stormwater rate study the impact of the new stormwater charge is to be revenue neutral in the first year. As a result, in setting the 2017 combined water and wastewater rate, \$0.2977 was subtracted from the wastewater rate in order to offset the financial impact of the new stormwater charge to residents and businesses. The stormwater charge together with the 2017 combined water and wastewater rate equates to an overall increase of 9.55%.

The 2017 Water, Wastewater and Stormwater budget supports the Term of Council Priorities, as identified on the Term of Council Service Excellence Strategy Map, by ensuring that the City:

- ❖ invest, renew and manage infrastructure and assets;
- ❖ continue to ensure the safety and well-being of citizens; and
- ❖ continue to cultivate an environmentally sustainable city.

Wastewater and Stormwater budgets

Stormwater services have been funded from the wastewater rate, Federal Gas Tax Fund and the tax levy. However, in early 2016 a stormwater rate study was presented to Council recommending a 2017 stormwater charge implementation. With the adoption of the new stormwater charge the wastewater and stormwater budgets will be presented separately in 2017 and onward.

Background

Water and wastewater are regulated services and must meet legislated requirements of the Safe Drinking Water Act, the Environmental Protection Act and Ontario Water Resources Act.

The Safe Drinking Water and Environmental Protection Act

The Acts' purposes are to protect human health and the environment through control and regulation of drinking water systems, drinking water testing, wastewater collection and treatment facilities as well as to ensure financial viability to finance the full cost of providing water services.

The City has a financially viable and sustainable drinking water financial plan that meets the needs of Ontario regulation 453/07 as noted in the "Six Year Water Financial Plan (2014-2019)" presented to Council on December 2, 2013.

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The Ontario Water Resources Act

The purpose of the Act is to provide for the conservation, protection and management of Ontario's waters and for their efficient and sustainable use, in order to promote Ontario's long-term environmental, social and economic well-being.

The Sustainable Water and Sewage Systems Act (repealed) and replaced with the Sustainable Water and Waste Water Systems Improvement and Maintenance Act (2010 – first reading)

The Sustainable Water and Sewage Systems Act (repealed) and the Sustainable Water and Waste Water Systems Improvement and Maintenance Act (first reading) requires municipalities to assess the costs of providing water and sewage utilities and to prepare a method to finance the full cost of providing these services. As owners and operators of water systems and wastewater systems, it is our responsibility in the spirit of “standard of care under the Drinking Water Quality Management System” to ensure financial sustainability of water, wastewater and stormwater systems.

The budget must cover the cost of purchasing water and wastewater services from the Region, the City's operational costs and contributions to reserves. The six-year financial plan is regulated by legislation (Safe Drinking Water Act) and considers future operating and capital programs. The plan must also consider long-term financial needs with respect to repairing and replacing infrastructure.

The Draft 2017 budget was developed by identifying expenses (Region purchases, City operating costs and contributions to reserves), examining revenue (through the analysis of water consumption patterns and projected revenue associated with the sales) and rate generation.

Stormwater Funding

The Draft 2017 budget will also include a new stormwater charge and costs to build a comprehensive stormwater program in order to protect both property and the environment.

Infrastructure Funding – Meeting the Challenge

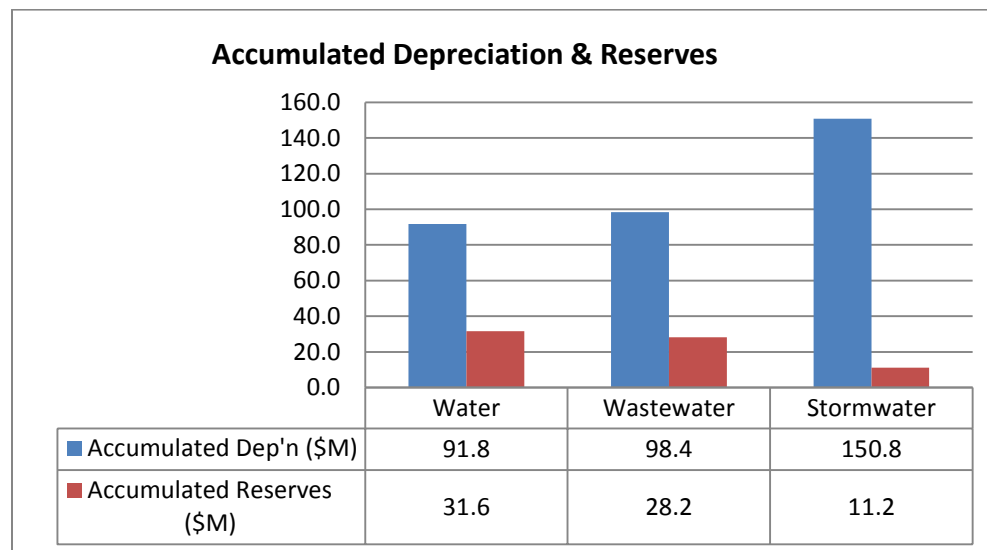
Prudent financial planning requires ongoing contributions to water, wastewater and stormwater reserves to fund repair and replacement of infrastructure. Using annual depreciation as a basis for reserve funding is a best practice according to the National Guide to Sustainable Municipal

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Infrastructure. "It is best practice to use the funds generated from depreciation charges on infrastructure investments to finance past, current or future infrastructure investments."¹

Long term financial planning requires the City to address accumulated depreciation and asset management requirements. The following table illustrates the City's water, wastewater and stormwater assets accumulated depreciation and the accumulated reserves. The reserves are used to finance future water, wastewater and stormwater infrastructure needs. Accumulated depreciation is the total depreciation of the City's assets since they were built. Another aspect of prudent financial planning is to save enough money in the City's reserves to cover the value of the accumulated depreciation.

The following chart depicts the discrepancy between the accumulated reserves and depreciation. Stormwater has the largest discrepancy and has been addressed in the stormwater rate study to close the gap through a comprehensive capital program plan.



Contributing to reserves at a rate which will move the City towards covering accumulated depreciation will also advance the City towards meeting long term asset management requirements.

Our Corporate Asset Management department is currently reviewing infrastructure data in order to provide more up to date information. However, this report includes information from the City's current Corporate Asset Management Strategy (2014).

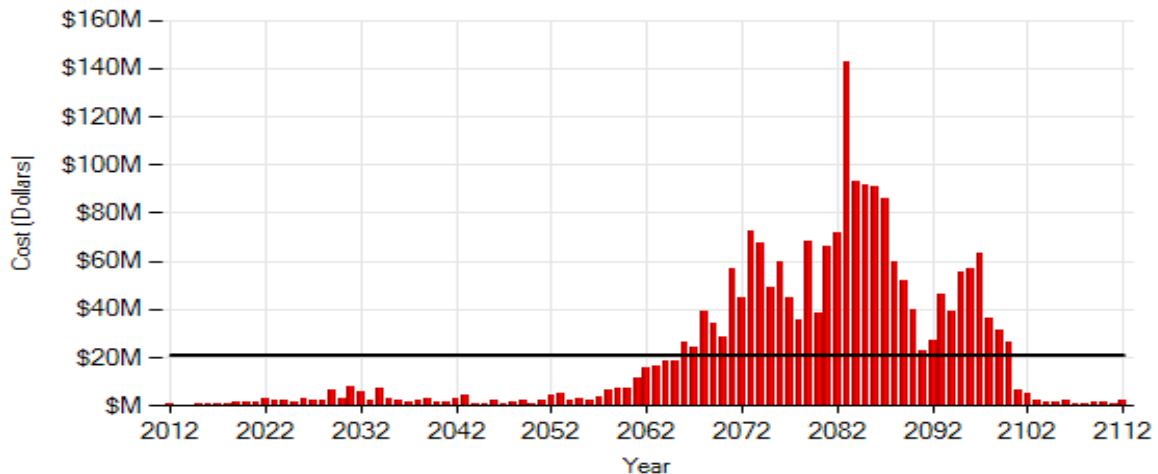
¹ Water and Sewer Rates: Full Cost Recovery, National Guide to Sustainable Municipal Infrastructure

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Water

The Corporate Asset Management Strategy (2014) identified water infrastructure needs starting in 2030, with approximately \$10 million identified, with significant water infrastructure needs identified in the 2070's and 2080's at approximately \$70 million and \$140 million, respectively as shown in the graph below:

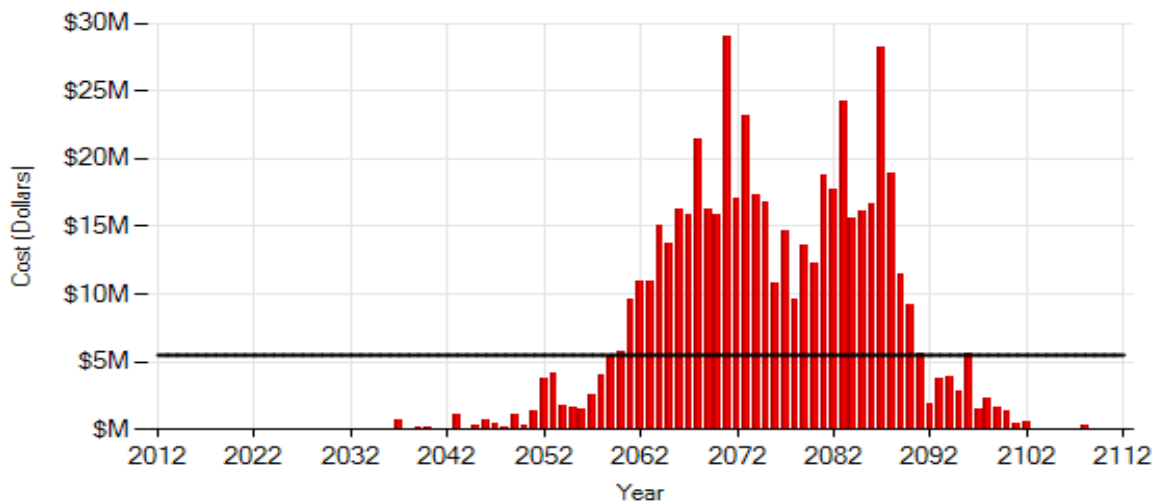
Future Investment, Water Services, (2012\$)



Wastewater

The Corporate Asset Management Strategy (2014) identified wastewater infrastructure needs starting in 2060, with approximately \$5 million identified, with significant wastewater infrastructure needs identified in the 2070's and 2080's at approximately \$29 million and \$28 million, respectively as shown in the graph below:

Future Investment, Wastewater Services, (2012\$)

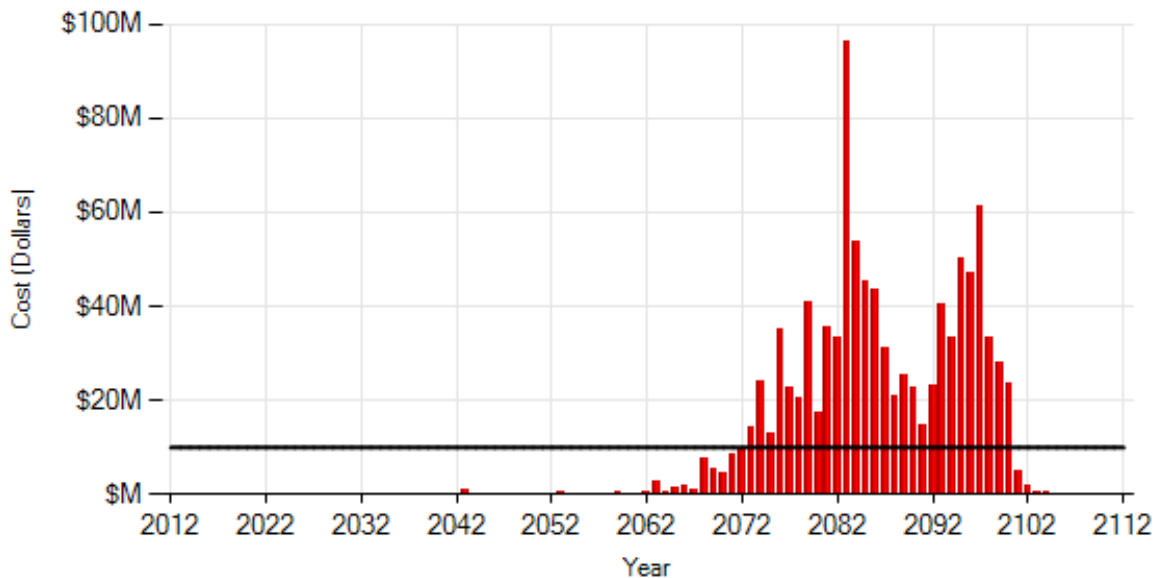


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Stormwater

The Corporate Asset Management Strategy (2014) identified stormwater infrastructure needs starting in 2072, with approximately \$10 million identified, with significant stormwater infrastructure needs identified in the 2080's at approximately \$98 million as shown in the graph below:

Future Investment, Stormwater Services, (2012\$)



The Stormwater Infrastructure Funding Study examined capital needs already identified, which were not included in the Corporate Asset Management Strategy. These capital needs are significant and will be added to the asset management program as the program matures.

The city is continuing to update its asset data and will be formulating an integrated asset management funding strategy. The water, wastewater and stormwater plans will be refined accordingly.

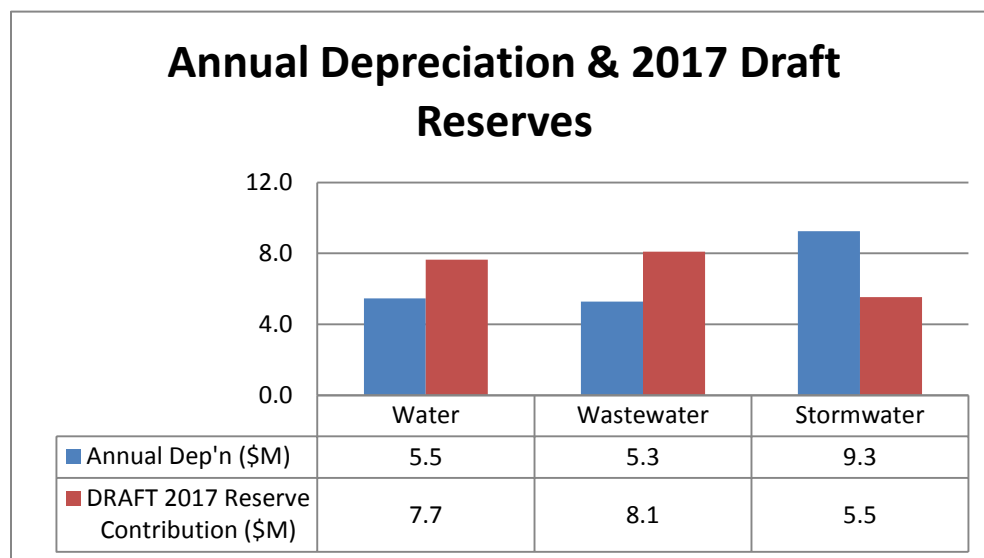
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Meeting Future Infrastructure Needs

In order to address the accumulated depreciation to reserve deficit, the City needs to continue to increase its annual reserve contributions in order to exceed annual depreciation charges.

In the past, annual reserve contributions were less than annual depreciation. To close this gap, reserve contributions will need to exceed depreciation going forward. Further, depreciation uses historical dollars but future replacement typically costs more than the original investment.

The following table illustrates the annual depreciation of water, wastewater and stormwater assets.



Water

The City of Vaughan has invested \$420 million (replacement value, Corporate Asset Management Strategy, 2014) into its water infrastructure. The water infrastructure is depreciating by \$5.5 million per year. To cover the annual depreciation, the City needs to add at least \$5.5 million to the water reserves. The 2017 budget will be adding \$7.7 million to the reserves. This will not only cover the annual depreciation but start to address future capital needs.

To meet the requirements of the Safe Drinking Water Act, a rate increase of approximately 8.00% in 2018, will contribute \$8.7 to the reserves.

Wastewater

The City of Vaughan has invested \$553 million (replacement value, Corporate Asset Management Strategy, 2014) into its wastewater infrastructure. The wastewater infrastructure is depreciating by \$5.3 million per year. The 2017 budget will be adding \$8.1 million to the reserves. This will not only cover the annual depreciation but start to address future capital

DRAFT Water, Wastewater and Stormwater 2017 Budget 2018 Plan

needs. To meet the requirements of the Safe Drinking Water Act, a rate increase of approximately 12.00% in 2018, will contribute \$9.2 million to the reserves.

Stormwater

The stormwater infrastructure is depreciating by \$9.3 million per year. The 2017 budget and 2018 plan will be adding \$5.5 million and \$5.8 million, respectively to the reserves. This will not cover the annual depreciation. However, this discrepancy has been addressed in the stormwater rate study and the City will gradually close the gap through a comprehensive capital program plan.

The planned rate increases must continue in order to move the City into a position of being able to exceed its annual depreciation expense in order to build its reserves to meet future infrastructure needs.

In summary, the planned 2017 water and wastewater reserve contributions will exceed annual depreciation. The stormwater reserve contribution will not meet this in 2017, however, the projected contribution rate increases and a fully implemented stormwater charge will ensure annual stormwater depreciation is exceeded in future years. Exceeding the annual depreciation charges is vital to ensuring the City meets its long term financial requirements.

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Water

Overview

The 2017 budget increase for water is 8.50%.

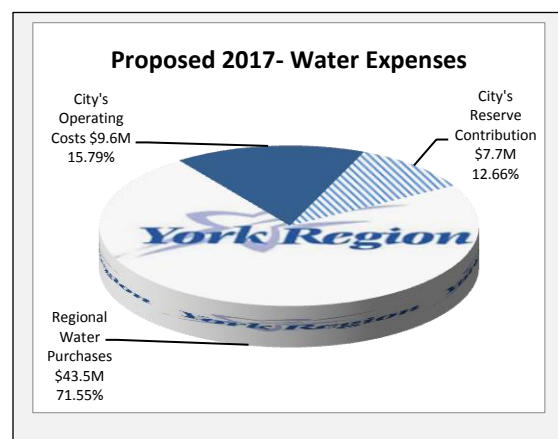
Bulk water purchase costs represent approximately 71.55% of the City's costs annually and therefore are a critical rate driver.

Included in the bulk water purchased from the Region is the unmetered (non-revenue) water consumption. The 2017 budget for unmetered water is at 13.00% maintaining the same level as in the past few years.

The non-revenue water (NRW) can be broken down as:

- ❖ apparent losses – customer meter degradation;
- ❖ real losses – leakage on mains, service connections; and
- ❖ unbilled consumption – fire suppression, main flushing and maintenance.

In an attempt to minimize NRW, the City, in partnership with York Region, will be undertaking a leak detection program. This program will help to further identify potential sources of water loss in underground infrastructure.



PROPOSED Budget Summary

(\$M)	2016 Budget	2017 Budget	2018 Plan
Revenue	54.8	60.8	66.5
Purchases	38.5	43.5	48.1
Gross Margin	16.3	17.3	18.4
Other Revenue	1.2	1.9	1.9
Expenditures			
Maintenance & Installation	6.4	6.7	6.7
General Administration	2.6	2.9	2.9
Other	1.5	1.9	2.0
Total	10.5	11.5	11.6
PROPOSED Lifecycle Contribution - Reserve	7.0	7.7	8.7

The 2017 rate increase for water provided by the Region is 11.70%. The anticipated annual increase in the Region's bulk water costs for 2018 is 8.80%. The Region's forecasted rate has been incorporated into the City's forecasted rate.

Recent Accomplishments

- Re-organization of the Water Division includes an operational program planning section to lead leak detection and non-revenue water studies.

DRAFT Water, Wastewater and Stormwater 2017 Budget 2018 Plan

- Increased focus on operational maintenance programs has led to more comprehensive budget planning.
- Updated Water By-law.

Key Commitments

- Non-revenue water investigation and mitigation.
- Leak detection studies in conjunction with York Region.
- Water meter replacement programs for residential, industrial, commercial and institutional services.

New Requests: For 2017 new resource requests were submitted for a Water Backflow Prevention Coordinator to enhance the safety of the water distribution system and a Program Planning Manager to provide additional strategical support to Water operations.

New Requests	Full Time Equivalent
Water Backflow Prevention Coordinator	1.00
Program Planning Manager	0.33
Total	1.33

Change:

- ❖ Water rate is planned to increase 8.00% in 2018.
- ❖ Purchases - Region water costs are increasing at 8.80% in 2018.
- ❖ The change in Expenditures is mainly due to staff requests noted above, labour costs and contract increases and corporate reallocations.
- ❖ Other - Debenture payments cease in 2017.

(\$M)	2016 Actuals/ Forecast	2017 Budget	2018 Plan
Revenue		6.0	5.7
Purchases		5.0	4.6
Gross Margin		1.0	1.1
Other Revenue		0.7	0.0
Expenditures			
Maintenance & Installation		0.3	0.0
General Administration		0.3	0.0
Other		0.5	0.1
Total		1.1	0.1
PROPOSED Lifecycle Contribution - Reserve	*** 7.0	0.7	1.0

DRAFT Water, Wastewater and Stormwater 2017 Budget 2018 Plan

Wastewater

Overview

The 2017 budget increase for wastewater is 12.00%.

The City pays the Region to convey and treat the City's wastewater. These conveyance and treatment costs represent approximately 81.84% of the City's costs annually and therefore are a critical rate driver. The 2017 rate increase for wastewater collection and treatment by the Region is 7.20%.

The anticipated annual increase in the Region's wastewater service costs for 2018 is 9.20%. The Region's forecasted rate has been incorporated into the City's forecasted rate.



PROPOSED Budget Summary

(\$M)	2016** Budget	2017* Budget	2018* Plan
Revenue	74.1	75.8	83.2
Purchases	55.2	62.0	68.2
Gross Margin	18.9	13.8	15.0
Other Revenue	1.1	0.8	0.8
Expenditures			
Maintenance & Installation	7.8	4.0	4.0
General Administration	1.7	1.5	1.6
Other	1.3	1.0	1.0
Total	10.8	6.5	6.6
PROPOSED Lifecycle Contribution - Reserve	9.2	8.1	9.2

**In the 2016 budget, wastewater and stormwater were budgeted together. For comparison purposes, wastewater and stormwater costs are separated in the table

*In 2016, a stormwater rate study was presented to Council. Stormwater and wastewater are budgeted separately starting from 2017.

Recent Accomplishments

- Re-organization of the Wastewater Division includes an operational program planning section to lead inflow and infiltration studies, contributing to Region of York commitments to the Ministry of Environment and Climate Change.
- Increased focus on operational maintenance programs has led to more comprehensive budget planning.
- Condition assessment of pipes, pump stations and manholes contributes to corporate asset management program.
- Updated Sewer Use By-Law.

DRAFT Water, Wastewater and Stormwater 2017 Budget 2018 Plan

- Completed Inflow and Infiltration Strategy.

Key Commitments

- Inflow and Infiltration strategy implementation.
- Continued condition assessment of pipes and manholes.

New Requests: For 2017 new resource requests were submitted for a 2-year contract Program Manager position for stormwater and wastewater operations and a Program Planning Manager to provide additional strategical support to wastewater operations.

New Requests	Full Time Equivalent
Program Manager- Wastewater/Stormwater (2 year contract)	0.50
Program Planning Manager	0.33
Total	0.83

Change:

- ❖ Rate reduction in 2017 is due to the splitting off of the stormwater charge.
- ❖ Wastewater rate is planned to increase 12.00% in 2018.
- ❖ Purchases - Region treatment costs are increasing at 9.20% in 2018.
- ❖ The change in expenditures is largely due to staff requests noted above and labour costs and contract increases which are offset by corporate reallocations and debenture retirement.

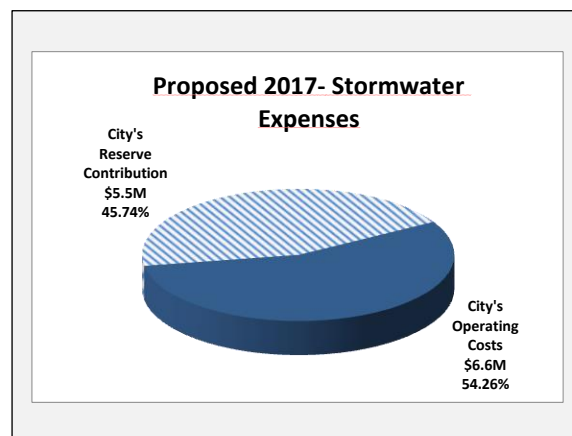
(\$M)	2016 Actuals/ Forecast	2017 Budget	2018 Plan
Revenue		1.7	7.5
Purchases		6.8	6.2
Gross Margin		-5.1	1.3
Other Revenue		-0.3	0.0
Expenditures		0.0	0.0
Maintenance & Installation		-3.8	0.0
General Administration		-0.2	0.0
Other		-0.3	0.0
Total		-4.3	0.1
PROPOSED Lifecycle Contribution - Reserve	*** 9.2	-1.1	1.1

DRAFT Water, Wastewater and Stormwater 2017 Budget 2018 Plan

Stormwater

Overview

In 2016 the stormwater rate study was presented to Council in order to address a stormwater operating and maintenance program, designed to mitigate the effects of flooding and the significant infrastructure challenges facing the City. A high-level preliminary plan of the revenue and operating expenses is presented below.



PROPOSED Plan Summary

(\$M)	2016** Budget	2017* Budget	2018* Plan
Revenue		12.1	12.8
Purchases		N/A	N/A
Gross Margin	0.0	12.1	12.8
Other Revenue	0.2	0.4	0.4
Expenditures			
Maintenance & Installation	2.5	3.2	3.6
General Administration	1.0	1.6	1.7
Other	0.6	2.2	2.2
Total	4.1	7.0	7.5
PROPOSED Lifecycle Contribution - Reserve	-3.9	5.5	5.8

**In the Proposed 2016 budget wastewater and stormwater are budgeted together. For comparison purposes, wastewater and stormwater costs are separated in the table

*In 2016, a stormwater rate study was presented to Council. Stormwater and wastewater are budgeted separately starting from 2017.

Recent Accomplishments

- Completion of Stormwater Infrastructure Funding Study.

Key Commitments

- To protect public health and safety and the City's valuable natural and man-made resources by minimizing the impacts of stormwater runoff through on-going system assessments, proactive maintenance and operation of the City's assets, and well-thought-out investments in system upgrades and expansions.

DRAFT Water, Wastewater and Stormwater 2017 Budget 2018 Plan

New Requests: For 2017 new resource requests were submitted for a Project Manager to support increased capital program as identified in the Storm Water Rate Study; a 2-year contract Program Manager position for stormwater and wastewater operations; and a Program Planning Manager to provide additional strategical support to stormwater operations.

New Requests	Full Time Equivalent
Project Manager	1.00
Program Manager- Wastewater/Stormwater (2 year contract)	0.50
Program Planning Manager	0.33
Total	1.83

Change*

- ❖ 2017 is the first year of stormwater charge implementation.
- ❖ 2018 stormwater charge, as determined in the stormwater rate study, will be increased by approximately 5%.
- ❖ The change in expenditures is due to the implementation of the stormwater program

(\$M)	2016 Actuals/ Forecast	2017 Budget	2018 Plan
Revenue		12.1	0.8
Purchases		0.0	0.0
Gross Margin		12.1	0.8
Other Revenue		0.2	0.0
Expenditures		0.0	0.0
Maintenance & Installation		0.7	0.4
General Administration		0.6	0.1
Other		1.6	0.0
Total		2.9	0.5
PROPOSED Lifecycle Contribution - Reserve	-3.9	*** 9.4	0.3

**CITY OF VAUGHAN
2017-2020 OPERATING BUDGET**

ADDITIONAL RESOURCE REQUEST

Request Title	Project Manager - Stormwater Management (limit 70 Characters)		
Business Unit #	2360758	CPW- CDAM	
Department	Infrastructure Delivery (1 FTE 100% funded by Stormwater)		
Term of Council Service Excellence Strategy Map	Invest, renew and manage infrastructure and assets		
Tied to a Capital Project	<input checked="" type="checkbox"/> Project		Approved/ Recognized
Legal/Regulatory Requirement	<input checked="" type="checkbox"/> Indicate the Statute or Regulation		
ARR Type	New	Labour/Non-Labour	Labour

Annual Budget Change Summary

Financial Components	2017	2018	2019	2020	2017-2020 Sub-total	2021 (One Time. Adj.)	2017-2021 Sub-total
Staffing							
Complements	1.00	-	-	-	1.00	-	1.00
Net FTE's	1.00	-	-	-	1.00	-	1.00
Operating Revenue	-	-	-	-	-	-	-
Operating Costs							
Staffing & Benefits	125,500	-	-	-	125,500	-	125,500
Other continuous costs	4,030	-	-	-	4,030	-	4,030
One-time expenses	6,300	(6,300)	-	-	-	-	-
Offsets/reductions	-	-	-	-	-	-	-
Net Operating Budget	\$ 135,830	\$ (6,300)	\$ -	\$ -	\$ 129,530	\$ -	\$ 129,530
Associated Capital Costs	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Request Description: Please provide a brief description of the request.

(limit 1,325 characters)

This Additional Resource Request (ARR) is to facilitate the delivery of infrastructure to support storm water management. In 2015, Council approved storm water rate study which identified an increase in proposed capital program related to the storm water system. As a result, the associate work load in capital delivery will increase, to ensure that these assets are maintained at an acceptable level of service. This position will be funded fully through the newly implemented storm water rate.

Describe and clearly demonstrate how the request links to the Term of Council Service Excellence Strategy Map.

(limit 1,000 characters)

One of the term of council priorities is to invest, renew and manage infrastructure and assets. This request will aid in delivering the proposed storm water program. Being able to deliver the capital program with greater efficiency will ensure that the Department will achieve its goal of maintaining the City's assets and providing an optimal level of storm water management for the residents of Vaughan.

Describe how this request relates to Departmental Business Plan.

(limit 720 characters)

This request will supplement existing resources to ensure the effective delivery of the proposed storm water infrastructure program. This position will oversee the design, tender and construction phases of the storm water infrastructure renewal projects.

Indicate any impacts this request will have on other departments.

Facility Maintenance Services	Legal	Type of consultation:	(limit 200 characters)
Information Technology	Other: Environmental Services		
Human Resources	Other:		

Are there any implications if this ARR is not approved? Please describe.

(limit 600 characters)

Current staff complement is currently working at capacity with regards to delivery of the capital program and it would be unrealistic to assign more work and expect favourable results. As a result of the anticipated growth in the storm water management program, this ARR will aid in managing the forecasted storm water capital program.

Financial Planning & Development Finance Only

QuesticaBudget Change Request:

Included in Draft Budget:

Approval Received:

Request Title	Project Manager - Stormwater Management	(limit 70 Characters)																				
Implications/Consequences (if request not approved)																						
<p>Legislative/Regulatory Requirement due to Law, Regulation, or Act. (NOTE: A By-Law is not a legal requirement)</p> <p>Are there any Legislative or Regulatory Requirements that this ARR is addressing? If yes, Type: _____</p> <p>Please provide the reference to the statute or regulation, indicating the relevant sections within the statute or regulation (limit 650 characters)</p> <div style="border: 1px solid black; height: 50px; margin-top: 5px;"></div> <p>Is this the first year of implementation? </p> <p>What is the consequence of non-compliance? (fine, other penalty, amount) (limit 650 characters)</p> <div style="border: 1px solid black; height: 50px; margin-top: 5px;"></div>																						
<p>Risk Management (Select from the drop menu in the table below. What is the risk associated with not approving this ARR? Is the City currently at risk for litigation or increased insurance claims, and can mitigate the situation with this ARR?)</p> <table border="1" style="width: 100%; border-collapse: collapse; font-size: small;"> <thead> <tr> <th style="width: 20%;">Type of Risk</th> <th style="width: 15%;">Severity</th> <th style="width: 15%;">Financial Impact</th> <th style="width: 50%;">Describe the Nature of the Risk (limit 150 characters)</th> </tr> </thead> <tbody> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> </tbody> </table>			Type of Risk	Severity	Financial Impact	Describe the Nature of the Risk (limit 150 characters)																
Type of Risk	Severity	Financial Impact	Describe the Nature of the Risk (limit 150 characters)																			
Complement Details																						
Do not gap positions - If required, please contact the Budget Dept. for instructions Future year progressions & eco. adj. will be calculated corporately by the Budget Dept.																						
<u>Complement Information</u>	Position #1	Position #2	Position #3	Sub-total																		
Budget Year	2017																					
Position title	Project Manager																					
Estimated start date	April 1, 2017																					
# of positions requested	1.00			1.00																		
Full-time equivalents (FTEs)	1.00			1.00																		
Position type	Full-time																					
Position agreement classification	Mgmt/Non-union																					
If contract, specify length (months or yrs.)																						
If Casual/Seasonal PT enter Hourly wage																						
Business unit # (override if different than # shown)	2360758																					
Grade level	8																					
Est. starting step	1																					
Desktop (HR) Review Performed?	No																					
B&F Accommodations Available?	Yes																					
Desktop Computer or Laptop required?	Laptop																					
Fleet Vehicle Required?	No																					
Blackberry/Cell Phone Required?	Blackberry																					

Request Title		Project Manager - Stormwater Management (limit 70 Characters)			
Complement Annual Cost Detail					
Annual full-time \$		96,539			96,539
Annual part-time \$		-	-	-	-
Annual shift premiums, etc.		-	-		-
Annual overtime \$		-	-	-	-
* PT vacation pay (calculated field)		-	-	-	-
* Annual benefits (calculated field)		28,962	-	-	28,962
* FT contract benefits (calculated field)		-	-	-	-
Subtotal (Per Employee)		\$ 125,500	\$ -	\$ -	\$ 125,500
Subtotal (Per Position)		\$ 125,500	\$ -	\$ -	\$ 125,500
Continuous costs	(BU & Acct #.)	Please fill in per Complement. The total will account for multiple positions if indicated above.			
Cellular Line Charges	2360758.7122.01	480			480
Memberships/Dues/Fee	2360758.7105	500			
Mileage	2360758.7100	750			
Office Supplies	2360758.7200	500			
Training & Development	2360758.7115	1,500			1,500
Protect. Clothing/Uniform	2360758.7300	300			300
					-
Subtotal (Per Employee)		\$ 4,030	\$ -	\$ -	\$ 4,030
Subtotal (Per Position)		\$ 4,030	\$ -	\$ -	\$ 4,030
One-time costs	(BU & Acct #.)	Please fill in per Complement. The total will account for multiple positions if indicated above.			
Office Equip. & Furniture	2360758.7210	500			500
Computer Hardware	2360758.7211.01	2,500			2,500
Computer Software	2360758.7211.02	3,000			3,000
Cellular Hardware Equipment	2360758.7122.03	300			300
Subtotal (Per Employee)		6,300	-	-	6,300
Subtotal (Per Position)		\$ 6,300	\$ -	\$ -	\$ 6,300
2017 Total Annual Costs		\$ 135,830	\$ -	\$ -	\$ 135,830
2018 Total Annual Costs		\$ -	\$ -	\$ -	\$ -
2019 Total Annual Costs		\$ -	\$ -	\$ -	\$ -
2020 Total Annual Costs		\$ -	\$ -	\$ -	\$ -
Additional Comments:					

Request Title		Project Manager - Stormwater Management					(limit 70 Characters)		
Capital Funding									
Are there any Capital requests already submitted/approved or to be submitted related to this ARR? (e.g. new car)									
ASSOCIATED CAPITAL FUNDING		Status	Year asset Available for use	Proj #	2017	2018	2019	2020	Total
1									\$ -
2									\$ -
3									\$ -
TOTAL ASSOCIATED CAPITAL FUNDING					\$ -	\$ -	\$ -	\$ -	\$ -
Financial/Resource Detail									
Component			BU Acct. #	2017	2018	2019	2020	2021	
								Full-Yr. Adj.	
REVENUE - continuous operating detail									
1									
2									
3									
4									
Subtotal				-	-	-	-		
REVENUE - one-time operating detail									
1								-	
2								-	
Subtotal				-	-	-	-	-	
EXPENSES - continuous operating detail (For staffing costs please fill out section 7)									
1	* Staffing costs (calculated field)	from compliment section	96,539	-	-	-	-		
2	* Benefits	from compliment section	28,962	-	-	-	-		
3	* Complement sch. Expenses (calculated field)	from compliment section	4,030	-	-	-	-		
4									
5									
6									
7									
Subtotal				129,530	-	-	-		
EXPENSES - one-time operating detail (For staffing costs please fill out section 7)									
1	* Complement sch. Expenses (calculated field)	from compliment section	6,300	-	-	-	-	-	
2								-	
3								-	
Subtotal				6,300	-	-	-	-	
OFFSETS - cost savings, reductions, etc.									
1									
2									
3									
Subtotal				-	-	-	-		
TOTAL OPERATING BUDGET CHANGE				135,830	-	-	-	-	
COMPLEMENTS & FTE's				2017	2018	2019	2020	Total	
# of positions requested		(From sect. 7)	1.00	-	-	-	-	1.00	
FTE's		(From sect. 7)	1.00	-	-	-	-	1.00	
FTE reductions/offsets		(Manual Field)						-	
Net FTE's			1.00	-	-	-	-	1.00	

CITY OF VAUGHAN
2017-2020 OPERATING BUDGET

ADDITIONAL RESOURCE REQUEST

Request Title	<div style="border: 1px solid black; padding: 2px;">Backflow Prevention Coordinator</div> (limit 70 Characters)		
Business Unit #	<div style="border: 1px solid black; padding: 2px;">2340001</div>	<div style="border: 1px solid black; padding: 2px;">Water Division- Admin</div>	
Department	<div style="border: 1px solid black; padding: 2px;">Water</div>		
Term of Council Service Excellence Strategy Map	<div style="border: 1px solid black; padding: 2px;">Invest, renew and manage infrastructure and assets</div>		
Tied to a Capital Project	<div style="border: 1px solid black; padding: 2px;">Yes</div>	Project	<div style="border: 1px solid black; padding: 2px;">FL-5532-17- PW-WATER- Backflow Prevention Coordinator Vehicle</div> Approved/ Recognized <div style="border: 1px solid black; padding: 2px;">R</div>
Legal/Regulatory Requirement	<div style="border: 1px solid black; padding: 2px;">Yes</div>	Indicate the Statute or Regulation <div style="border: 1px solid black; padding: 2px;">Ontario Building Code Part 7 / Safe Drinking Water Act</div>	
ARR Type	<div style="border: 1px solid black; padding: 2px;">New</div>	Labour/Non-Labour	<div style="border: 1px solid black; padding: 2px;">Labour</div>

Annual Budget Change Summary

Financial Components	2017	2018	2019	2020	2017-2020 Sub-total	2021 (One Time. Adj.)	2017-2021 Sub-total
Staffing							
Complements	1.00	-	-	-	1.00	-	1.00
Net FTE's	1.00	-	-	-	1.00	-	1.00
Operating Revenue	-	-	-	-	-	-	-
Operating Costs							
Staffing & Benefits	92,998	-	-	-	92,998	-	92,998
Other continuous costs	4,080	-	-	-	4,080	-	4,080
One-time expenses	250	(250)	-	-	-	-	-
Offsets/reductions	-	-	-	-	-	-	-
Net Operating Budget	\$ 97,328	\$ (250)	\$ -	\$ -	\$ 97,078	\$ -	\$ 97,078
Associated Capital Costs	\$ 43,260	\$ -	\$ -	\$ -	\$ 43,260	\$ -	\$ 43,260

Request Description: Please provide a brief description of the request. (limit 1,325 characters)

The newly created "Backflow Prevention Coordinator" will write the "Backflow Prevention By-Law", then plan, administer and implement the backflow prevention program. The City of Vaughan currently has no program in place protecting public health and our water distribution system from cross contamination from industrial, commercial and institutional (ICI) and residential sources. The implementation will focus on the highest risks to the water distribution system, the ICI sector.

Describe and clearly demonstrate how the request links to the Term of Council Service Excellence Strategy Map. (limit 1,000 characters)

The Backflow Prevention Coordinator position, Backflow Prevention By-law and Program support the Council Service Excellence Strategy Map by: (1) "Invest, renew and manage infrastructure and assets" by creating an annual inspection program for ICI backflow preventers to protect the water distribution system. (2) "Continue to ensure the safety and well-being of citizens" by managing the installation and certification of backflow preventers to protect the water distribution system from cross contamination and back flow events.

Describe how this request relates to Departmental Business Plan. (limit 720 characters)

Under the Public Works Portfolio and Environmental Service, the Water Services Department has a mandate and is obligated to comply as the owner of a Drinking Water system in Ontario with the Safe Drinking Water Act subsection 20(1), "it is an offence to cause or permit anything to enter a drinking-water system if it could result in, a drinking-water health hazard, a contravention of a prescribed standard or the interference with the normal operation of the system. The Ontario Building Code Part 7 requires potable water systems to be protected from contamination.

Indicate any impacts this request will have on other departments.

<div style="border: 1px solid black; padding: 2px;">Facility Maintenance Services</div>	<div style="border: 1px solid black; padding: 2px;">Legal</div>	Type of consultation: (limit 200 characters)
<div style="border: 1px solid black; padding: 2px;">Information Technology</div>	<div style="border: 1px solid black; padding: 2px;">Other: _____</div>	
<div style="border: 1px solid black; padding: 2px;">Human Resources</div>	<div style="border: 1px solid black; padding: 2px;">Other: _____</div>	

Are there any implications if this ARR is not approved? Please describe. (limit 600 characters)

If the backflow prevention program is not implemented, the water distribution system and the residents not be protected from potential contamination from backflow and cross contamination events. The Public Works Portfolio including Environmental and Water Services will not be acting in the best interests of the residents by not adopting the recommendations from the Safe Drinking Water Act and the Ontario Building Code. Most of the larger municipalities across Ontario have implemented backflow prevention programs.

Financial Planning & Development Finance Only

Questica Budget Change Request:

Included in Draft Budget:

Approval Received:

Request Title	Backflow Prevention Coordinator	(limit 70 Characters)																				
Implications/Consequences (if request not approved)																						
<p>Legislative/Regulatory Requirement due to Law, Regulation, or Act. (NOTE: A By-Law is not a legal requirement)</p> <p>Are there any Legislative or Regulatory Requirements that this ARR is addressing? <u>Yes</u> If yes, Type: <u>Regulatory</u></p> <p>Please provide the reference to the statute or regulation, indicating the relevant sections within the statute or regulation (limit 650 characters)</p> <div style="border: 1px solid black; padding: 5px; min-height: 40px;"> Safe Drinking Water Act subsection 20(1) and the Ontario Building Code Part 7. </div> <p>Is this the first year of implementation? <u>Yes</u></p> <p>What is the consequence of non-compliance? (fine, other penalty, amount) (limit 650 characters)</p> <div style="border: 1px solid black; padding: 5px;"> There is no penalty at this time, however, if a backflow event occurred and resident(s) health and safety were compromised then it is possible that the Ministry of the Environment and Climate Change (MOECC) could charge the City of Vaughan under the Safe Drinking Water Act. An incident could also at a minimum could lead to the MOECC placing a Provincial Officers Order (legally binding) to the City of Vaughan to implement a Backflow Prevention Program so an incident does not occur again. Water Services would be painted in an unfavourable light in the public, industry peers and with the media. </div>																						
<p>Risk Management (Select from the drop menu in the table below. What is the risk associated with not approving this ARR? Is the City currently at risk for litigation or increased insurance claims, and can mitigate the situation with this ARR?)</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 15%;">Type of Risk</th> <th style="width: 10%;">Severity</th> <th style="width: 15%;">Financial Impact</th> <th style="width: 60%;">Describe the Nature of the Risk (limit 150 characters)</th> </tr> </thead> <tbody> <tr> <td>Health and Safety</td> <td>Low</td> <td>>\$1,000,000</td> <td>A backflow event from ICI facilities could contaminate the water system resulting in mass illness and possible fatalities.</td> </tr> <tr> <td>Litigation</td> <td>Low</td> <td>>\$10,000,000</td> <td>Residents or next of kin may sue the City of Vaughan for personal damages if made ill by drinking contaminated water due to a lack of a program.</td> </tr> <tr> <td>Regulatory/Compliance</td> <td>Low</td> <td>\$10,000</td> <td>We may incur an MOECC Provincial Officers Order to comply. We are not in full compliance with the Ontario Building Code.</td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>			Type of Risk	Severity	Financial Impact	Describe the Nature of the Risk (limit 150 characters)	Health and Safety	Low	>\$1,000,000	A backflow event from ICI facilities could contaminate the water system resulting in mass illness and possible fatalities.	Litigation	Low	>\$10,000,000	Residents or next of kin may sue the City of Vaughan for personal damages if made ill by drinking contaminated water due to a lack of a program.	Regulatory/Compliance	Low	\$10,000	We may incur an MOECC Provincial Officers Order to comply. We are not in full compliance with the Ontario Building Code.				
Type of Risk	Severity	Financial Impact	Describe the Nature of the Risk (limit 150 characters)																			
Health and Safety	Low	>\$1,000,000	A backflow event from ICI facilities could contaminate the water system resulting in mass illness and possible fatalities.																			
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Complement Details																						
Do not gap positions - If required, please contact the Budget Dept. for instructions Future year progressions & eco. adj. will be calculated corporately by the Budget Dept.																						
Complement Information	Position #1	Position #2	Position #3	Sub-total																		
Budget Year	2017																					
Position title	Backflow Prevention Coordinator																					
Estimated start date	Monday, August 28, 2016																					
# of positions requested	1.00																					
Full-time equivalents (FTEs)	1.00			1.00																		
Position type	Full-time																					
Position agreement classification	Cupe Cler. & Tech																					
If contract, specify length (months or yrs.)																						
If Casual/Seasonal PT enter Hourly wage																						
Business unit # (override if different than # shown)	2340001																					
Grade level	I																					
Est. starting step	Start																					
Desktop (HR) Review Performed?	No																					
B&F Accommodations Available?	N/A																					
Desktop Computer or Laptop required?	Laptop																					
Fleet Vehicle Required?	Yes																					
Blackberry/Cell Phone Required?	Blackberry																					

Request Title		Backflow Prevention Coordinator			(limit 70 Characters)	
Complement Annual Cost Detail						
Annual full-time \$		71,537				71,537
Annual part-time \$		-	-	-	-	-
Annual shift premiums, etc.		-	-			-
Annual overtime \$		-	-	-	-	-
* PT vacation pay <i>(calculated field)</i>		-	-	-	-	-
* Annual benefits <i>(calculated field)</i>		21,461	-	-	-	21,461
* FT contract benefits <i>(calculated field)</i>		-	-	-	-	-
Subtotal (Per Employee)		\$ 92,998	\$ -	\$ -	\$ -	\$ 92,998
Subtotal (Per Position)		\$ 92,998	\$ -	\$ -	\$ -	\$ 92,998
Continuous costs	(BU & Acct #.)	Please fill in per Complement. The total will account for multiple positions if indicated above.				
Cellular Line Charges	2340001.7122.01	80				80
Memberships/Dues/Fee	2340001.7105	300				
Mileage	2340001.7100	100				
Office Supplies	2340001.7200	100				
Training & Development	2340001.7115	2,500				2,500
Protect. Clothing/Uniform	2340001.7300	1,000				1,000
Other (Please detail in		-				-
Subtotal (Per Employee)		\$ 4,080	\$ -	\$ -	\$ -	\$ 4,080
Subtotal (Per Position)		\$ 4,080	\$ -	\$ -	\$ -	\$ 4,080
One-time costs	(BU & Acct #.)	Please fill in per Complement. The total will account for multiple positions if indicated above.				
Office Equip. & Furniture	2340001.7210	-				-
Office Supplies	2340001.7200	250				250
Travel	2340001.7113	-				-
						-
Subtotal (Per Employee)		250	-	-	-	250
Subtotal (Per Position)		\$ 250	\$ -	\$ -	\$ -	\$ 250
2017 Total Annual Costs		\$ 97,328	\$ -	\$ -	\$ -	\$ 97,328
2018 Total Annual Costs		\$ -	\$ -	\$ -	\$ -	\$ -
2019 Total Annual Costs		\$ -	\$ -	\$ -	\$ -	\$ -
2020 Total Annual Costs		\$ -	\$ -	\$ -	\$ -	\$ -
Additional Comments:						

Request Title		Backflow Prevention Coordinator					(limit 70 Characters)		
Capital Funding									
Are there any Capital requests already submitted/approved or to be submitted related to this ARR? (e.g. new car)									
ASSOCIATED CAPITAL FUNDING		Status	Year asset Available for use	Proj #	2017	2018	2019	2020	Total
1	New vehicle funded by Water Reserve	Pending		FL-5532-17	\$ 43,260				\$ 43,260
2									\$ -
3									\$ -
TOTAL ASSOCIATED CAPITAL FUNDING					\$ 43,260	\$ -	\$ -	\$ -	\$ 43,260
Financial/Resource Detail									
Component			BU Acct. #	2017	2018	2019	2020	2021 Full-Yr. Adj.	
				Budget					
REVENUE - continuous operating detail									
1									
2									
3									
4									
Subtotal				-	-	-	-		
REVENUE - one-time operating detail									
1									
2									
Subtotal				-	-	-	-		
EXPENSES - continuous operating detail (For staffing costs please fill out section 7)									
1	* Staffing costs (calculated field)	from compliment section	71,537	-	-	-	-		
2	* Benefits	from compliment section	21,461	-	-	-	-		
3	* Complement sch. Expenses (calculated field)	from compliment section	4,080	-	-	-	-		
4									
5									
6									
7									
Subtotal				97,078	-	-	-		
EXPENSES - one-time operating detail (For staffing costs please fill out section 7)									
1	* Complement sch. Expenses (calculated field)	from compliment section	250	-	-	-	-		
2									
3									
Subtotal				250	-	-	-		
OFFSETS - cost savings, reductions, etc.									
1									
2									
3									
Subtotal				-	-	-	-		
TOTAL OPERATING BUDGET CHANGE					97,328	-	-	-	-
COMPLEMENTS & FTE's					2017	2018	2019	2020	Total
# of positions requested			(From sect. 7)	1.00	-	-	-	1.00	
FTE's			(From sect. 7)	1.00	-	-	-	1.00	
FTE reductions/offsets			(Manual Field)					-	
Net FTE's				1.00	-	-	-	1.00	

**CITY OF VAUGHAN
2017-2020 OPERATING BUDGET**

ADDITIONAL RESOURCE REQUEST

Request Title	<div style="border: 1px solid black; padding: 2px;">Manager- Program Planning</div> <small>(limit 70 Characters)</small>		
Business Unit #	<div style="border: 1px solid black; padding: 2px;">2340100</div>	<div style="border: 1px solid black; padding: 2px;">Water 33% BU2340100; Waste 33% BU2350100; Storm 33% BU2360100</div>	
Department	<div style="border: 1px solid black; padding: 2px;">Water; Wastewater; Stormwater</div>		
Term of Council Service Excellence Strategy Map	<div style="border: 1px solid black; padding: 2px;">Continue to cultivate an environmentally sustainable city</div>		
Tied to a Capital Project	<div style="border: 1px solid black; padding: 2px;">No</div>	Project	<div style="border: 1px solid black; padding: 2px;"></div> Approved/ Recognized <div style="border: 1px solid black; padding: 2px;"></div>
Legal/Regulatory Requirement	<div style="border: 1px solid black; padding: 2px;">No</div>	Indicate the Statute or Regulation <div style="border: 1px solid black; padding: 2px;"></div>	
ARR Type	<div style="border: 1px solid black; padding: 2px;">New</div>	Labour/Non-Labour	<div style="border: 1px solid black; padding: 2px;">Labour</div>

Annual Budget Change Summary

Financial Components	2017	2018	2019	2020	2017-2020 Sub-total	2021 (One Time. Adj.)	2017-2021 Sub-total
Staffing							
Complements	1.00	-	-	-	1.00	-	1.00
Net FTE's	1.00	-	-	-	1.00	-	1.00
Operating Revenue	-	-	-	-	-	-	-
Operating Costs							
Staffing & Benefits	138,047	-	-	-	138,047	-	138,047
Other continuous costs	4,080	-	-	-	4,080	-	4,080
One-time expenses	2,750	(2,750)	-	-	-	-	-
Offsets/reductions	-	-	-	-	-	-	-
Net Operating Budget	\$ 144,877	\$ (2,750)	\$ -	\$ -	\$ 142,127	\$ -	\$ 142,127
Associated Capital Costs	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Request Description: Please provide a brief description of the request.

(limit 1,325 characters)

Program Planning Manager will provide strategic and operational oversight to the Water Compliance and Training Program, Education and Outreach Program, Water Meter Billing and Investigation Program, Budget coordination, capital and operational program planning support, and special projects. The Supervisor of Compliance and Training and the Supervisor of Business Support will report to this person. Currently these two positions report to the Director.

Describe and clearly demonstrate how the request links to the Term of Council Service Excellence Strategy Map.

(limit 1,000 characters)

This request relates to the Term of Council priority to cultivate an environmentally sustainable city by providing programming planning support to the Environmental Services department. The development of comprehensive planning for compliance activities, education and outreach and water meter billing is critical to cultivate a sustainable department. Currently this work is being completed by two Supervisors and the oversight is operational in nature.

Describe how this request relates to Departmental Business Plan.

(limit 720 characters)

The department business plan aligns with the Service Excellence Strategy map. Activities related to projects committed to both the bottom and top of the house will be supported by this position.

Indicate any impacts this request will have on other departments.

X	Facility Maintenance Services		Legal	Type of consultation: <small>(limit 200 characters)</small> need space configures, usual IT devices and help with recruitment
X	Information Technology		Other: _____	
X	Human Resources		Other: _____	

Are there any implications if this ARR is not approved? Please describe.

(limit 600 characters)

If the ARR is not approved comprehensive strategic planning for the department will be difficult to achieve. The current managers and supervisors currently support the two Supervisor functions which takes them away from their current work load. This delays and inhibits the ability to do strategic planning.

Financial Planning & Development Finance Only
Questica Budget Change Request:

Included in Draft Budget:

Approval Received:

Request Title	Manager- Program Planning	(limit 70 Characters)																				
Implications/Consequences (if request not approved)																						
<p>Legislative/Regulatory Requirement due to Law, Regulation, or Act. (NOTE: A By-Law is not a legal requirement)</p> <p>Are there any Legislative or Regulatory Requirements that this ARR is addressing? No If yes, Type: _____</p> <p>Please provide the reference to the statute or regulation, indicating the relevant sections within the statute or regulation (limit 650 characters)</p> <div style="border: 1px solid black; height: 50px; margin-top: 5px;"></div> <p>Is this the first year of implementation? </p> <p>What is the consequence of non-compliance? (fine, other penalty, amount) (limit 650 characters)</p> <div style="border: 1px solid black; height: 50px; margin-top: 5px;"></div>																						
<p>Risk Management (Select from the drop menu in the table below. What is the risk associated with not approving this ARR? Is the City currently at risk for litigation or increased insurance claims, and can mitigate the situation with this ARR?)</p> <table border="1" style="width: 100%; border-collapse: collapse; font-size: small;"> <thead> <tr> <th style="width: 15%;">Type of Risk</th> <th style="width: 15%;">Severity</th> <th style="width: 15%;">Financial Impact</th> <th style="width: 55%;">Describe the Nature of the Risk</th> </tr> </thead> <tbody> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> </tbody> </table>			Type of Risk	Severity	Financial Impact	Describe the Nature of the Risk																
Type of Risk	Severity	Financial Impact	Describe the Nature of the Risk																			
Complement Details																						
Do not gap positions - If required, please contact the Budget Dept. for instructions Future year progressions & eco. adj. will be calculated corporately by the Budget Dept.																						
<u>Complement Information</u>	Position #1	Position #2	Position #3	Sub-total																		
Budget Year	2017																					
Position title	Manager -Program Planning																					
Estimated start date	April 1, 2017																					
# of positions requested	1.00	-		1.00																		
Full-time equivalents (FTEs)	1.00			1.00																		
Position type	Full-time																					
Position agreement classification	Mgmt/Non-union																					
If contract, specify length (months or yrs.)																						
If Casual/Seasonal PT enter Hourly wage																						
Business unit # (override if different than # shown)	2340100, 2350100, 2360100																					
Grade level	9																					
Est. starting step	1																					
Desktop (HR) Review Performed?	No																					
B&F Accommodations Available?	Yes																					
Desktop Computer or Laptop required?	Laptop																					
Fleet Vehicle Required?	No																					
Blackberry/Cell Phone Required?	Blackberry																					

Request Title		Manager- Program Planning (limit 70 Characters)		
Complement Annual Cost Detail				
Annual full-time \$		106,190		106,190
Annual part-time \$		-	-	-
Annual shift premiums, etc.		-	-	-
Annual overtime \$		-	-	-
* PT vacation pay (calculated field)		-	-	-
* Annual benefits (calculated field)		31,857	-	31,857
* FT contract benefits (calculated field)		-	-	-
Subtotal (Per Employee)		\$ 138,047	\$ -	\$ 138,047
Subtotal (Per Position)		\$ 138,047	\$ -	\$ 138,047
Continuous costs	(BU & Acct #.)	Please fill in per Complement. The total will account for multiple positions if indicated above.		
Cellular Line Charges	2340100.7122.01	80		80
Memberships/Dues/Fee	2340100.7105	300		
Mileage	2340100.7100	100		
Office Supplies	2340100.7200	100		
Training & Development	2340100.7115	2,500		2,500
Protect. Clothing/Uniform	2340100.7300	1,000		1,000
Other (Please detail in)		-		-
Subtotal (Per Employee)		\$ 4,080	\$ -	\$ 4,080
Subtotal (Per Position)		\$ 4,080	\$ -	\$ 4,080
One-time costs	(BU & Acct #.)	Please fill in per Complement. The total will account for multiple positions if indicated above.		
Office Equip. & Furniture	2340100.7210	2,500		2,500
Office Supplies	2340100.7200	250		250
Travel	2340100.7113	-		-
		-		-
Subtotal (Per Employee)		2,750	-	2,750
Subtotal (Per Position)		\$ 2,750	\$ -	\$ 2,750
2017 Total Annual Costs		\$ 144,877	\$ -	\$ 144,877
2018 Total Annual Costs		\$ -	\$ -	\$ -
2019 Total Annual Costs		\$ -	\$ -	\$ -
2020 Total Annual Costs		\$ -	\$ -	\$ -
Additional Comments:				

Request Title		Manager- Program Planning					(limit 70 Characters)		
Capital Funding									
Are there any Capital requests already submitted/approved or to be submitted related to this ARR? (e.g. new car)									
ASSOCIATED CAPITAL FUNDING		Status	Year asset Available for use	Proj #	2017	2018	2019	2020	Total
1									\$ -
2									\$ -
3									\$ -
TOTAL ASSOCIATED CAPITAL FUNDING					\$ -	\$ -	\$ -	\$ -	\$ -
Financial/Resource Detail									
Component			BU Acct. #	2017	2018	2019	2020	2021	
								Full-Yr. Adj.	
REVENUE - continuous operating detail									
1									
2									
3									
4									
Subtotal				-	-	-	-		
REVENUE - one-time operating detail									
1								-	
2								-	
Subtotal				-	-	-	-	-	
EXPENSES - continuous operating detail (For staffing costs please fill out section 7)									
1	* Staffing costs (calculated field)	from compliment section	106,190	-	-	-	-		
2	* Benefits	from compliment section	31,857	-	-	-	-		
3	* Complement sch. Expenses (calculated field)	from compliment section	4,080	-	-	-	-		
4									
5									
6									
7									
Subtotal				142,127	-	-	-		
EXPENSES - one-time operating detail (For staffing costs please fill out section 7)									
1	* Complement sch. Expenses (calculated field)	from compliment section	2,750	-	-	-	-	-	
2								-	
3								-	
Subtotal				2,750	-	-	-	-	
OFFSETS - cost savings, reductions, etc.									
1									
2									
3									
Subtotal				-	-	-	-		
TOTAL OPERATING BUDGET CHANGE				144,877	-	-	-	-	
COMPLEMENTS & FTE's				2017	2018	2019	2020	Total	
# of positions requested		(From sect. 7)	1.00	-	-	-	-	1.00	
FTE's		(From sect. 7)	1.00	-	-	-	-	1.00	
FTE reductions/offsets		(Manual Field)						-	
Net FTE's			1.00	-	-	-	-	1.00	

**CITY OF VAUGHAN
2017-2020 OPERATING BUDGET**

ADDITIONAL RESOURCE REQUEST

Request Title	<div style="border: 1px solid black; padding: 2px;">Program Manager- Stormwater and Wastewater</div> <small>(limit 70 Characters)</small>		
Business Unit #	<div style="border: 1px solid black; padding: 2px;">2360001</div>	<div style="border: 1px solid black; padding: 2px;">Waste 50% BU2350001; Storm 50% BU2360001</div>	
Department	<div style="border: 1px solid black; padding: 2px;">Wastewater; Stormwater</div>		
Term of Council Service Excellence Strategy Map	<div style="border: 1px solid black; padding: 2px;">Invest, renew and manage infrastructure and assets</div>		
Tied to a Capital Project	<div style="border: 1px solid black; padding: 2px;">No</div>	Project	<div style="border: 1px solid black; padding: 2px;"></div> Approved/ Recognized <div style="border: 1px solid black; padding: 2px;"></div>
Legal/Regulatory Requirement	<div style="border: 1px solid black; padding: 2px;">Yes</div>	Indicate the Statute or Regulation	<div style="border: 1px solid black; padding: 2px;">Ont Reg129/04, Water Resources Act</div>
ARR Type	<div style="border: 1px solid black; padding: 2px;">New</div>	Labour/Non-Labour	<div style="border: 1px solid black; padding: 2px;">Labour</div>

Annual Budget Change Summary

Financial Components	2017	2018	2019	2020	2017-2020 Sub-total	2021 (One Time. Adj.)	2017-2021 Sub-total
Staffing							
Complements	1.00	-	-	-	1.00	-	1.00
Net FTE's	1.00	-	-	-	1.00	-	1.00
Operating Revenue	-	-	-	-	-	-	-
Operating Costs							
Staffing & Benefits	138,047	-	-	-	138,047	-	138,047
Other continuous costs	4,080	-	-	-	4,080	-	4,080
One-time expenses	2,750	(2,750)	-	-	-	-	-
Offsets/reductions	-	-	-	-	-	-	-
Net Operating Budget	\$ 144,877	\$ (2,750)	\$ -	\$ -	\$ 142,127	\$ -	\$ 142,127
Associated Capital Costs	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Request Description: Please provide a brief description of the request. (limit 1,325 characters)

As the Stormwater program begins to be implemented in 2017, there will be need to have more resources to lead the implementation of this initiative. This would be structured as a two year contract if need be in order to determine if the position continues as program manager dedicated to stormwater or needs to re-positioned as a Manager position. The successful candidate for Program Manager would support the Manager of Wastewater and Stormwater Services in operational related within wastewater as well manage key stormwater projects.

Describe and clearly demonstrate how the request links to the Term of Council Service Excellence Strategy Map. (limit 1,000 characters)

This request relates to the Term of Council priority to invest , renew and manage infrastructure and assets as well as the prioty to continue to cultivate an environmentally sustainable city. Stormwater infrastructure is essential to manage stormwater and is vital to protecting the environment, property and the quality of water. The City is taking steps to lessen the impacts of climate change with a long-term plan for managing the potentially damaging effects of stormwater. The City's stormwater system currently includes more than 1,000 kilometres of pipes, more than 20,000 catch basins and 143 stormwater ponds. With the implementation of the stormwater charge in 2017 the annual budget for stormwater will begin to begin to increase resulting in the requirement for more management oversight.

Describe how this request relates to Departmental Business Plan. (limit 720 characters)

Indicate any impacts this request will have on other departments.

<div style="border: 1px solid black; padding: 2px;">Facility Maintenance Services</div>	<div style="border: 1px solid black; padding: 2px;">Legal</div>	<div style="border: 1px solid black; padding: 2px;">Type of consultation: (limit 200 characters)</div>
<div style="border: 1px solid black; padding: 2px;">Information Technology</div>	<div style="border: 1px solid black; padding: 2px;">Other: _____</div>	
<div style="border: 1px solid black; padding: 2px;">Human Resources</div>	<div style="border: 1px solid black; padding: 2px;">Other: _____</div>	

Are there any implications if this ARR is not approved? Please describe. (limit 600 characters)

Oversight of the wastewater and stormwater programs would be limited to one individual. Having the Program Manager, Wastewater and Stormwater would improve the likelihood of developing new programs and initiatives that are scheduled to be developed as the result of the implementation of the new stormwater charge in 2017.

Financial Planning & Development Finance Only

QuesticaBudget Change Request:

Included in Draft Budget:

Approval Received:

Request Title	Program Manager- Stormwater and Wastewater (limit 70 Characters)																							
Implications/Consequences (if request not approved)																								
<p>Legislative/Regulatory Requirement due to Law, Regulation, or Act. (NOTE: A By-Law is not a legal requirement)</p> <p>Are there any Legislative or Regulatory Requirements that this ARR is addressing? <u>Yes</u> If yes, Type: <u>Regulatory</u></p> <p>Please provide the reference to the statute or regulation, indicating the relevant sections within the statute or regulation (limit 650 characters)</p> <div style="border: 1px solid black; padding: 5px;"> <p>The Ministry of Environment and Climate Change has policies and guidance for maintaining natural hydrology and controlling precipitation as close as possible to where it falls. These principles are outlined in acts, regulations, policies and guidelines, designed to protect water quality. These include the Ontario Water Resources Act Section 53 which requires stormwater facilities to operate under an Environmental Compliance Approval, the Stormwater Management Planning and Design Manual which sets criteria for stormwater works and the Provincial Water Quality Criteria guidelines which set direction on managing the quantity and quality of surface and groundwaters.</p> </div> <p>Is this the first year of implementation? XXXXXX</p> <p>What is the consequence of non-compliance? (fine, other penalty, amount) (limit 650 characters)</p> <div style="border: 1px solid black; padding: 5px;"> <p>Although the MOECC does not regularly target compliance activities toward stormwater issues there are some early indications that may change in the future. Compliance penalties could include fines under the Ontario Water Resources Act. Any resulting media attention has the potential to have a negative impact on our reputation as a City that supports environmental sustainability.</p> </div>																								
<p>Risk Management (Select from the drop menu in the table below. What is the risk associated with not approving this ARR? Is the City currently at risk for litigation or increased insurance claims, and can mitigate the situation with this ARR?)</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 15%;">Type of Risk</th> <th style="width: 10%;">Severity</th> <th style="width: 15%;">Financial Impact</th> <th style="width: 60%;">Describe the Nature of the Risk (limit 150 characters)</th> </tr> </thead> <tbody> <tr> <td>Regulatory/Compliance</td> <td>Medium</td> <td>\$100,000</td> <td>The fines resulting from compliance activities under the Ontario Water resources Act are substantial.</td> </tr> <tr> <td>Litigation</td> <td>Medium</td> <td>>\$1,000,000</td> <td>With Climate change generating more intense storms, there is a greater chance that stormwater infrastructure will be impacted more so than in the past. Therefore, there is greater need to protect infrastructure.</td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>					Type of Risk	Severity	Financial Impact	Describe the Nature of the Risk (limit 150 characters)	Regulatory/Compliance	Medium	\$100,000	The fines resulting from compliance activities under the Ontario Water resources Act are substantial.	Litigation	Medium	>\$1,000,000	With Climate change generating more intense storms, there is a greater chance that stormwater infrastructure will be impacted more so than in the past. Therefore, there is greater need to protect infrastructure.								
Type of Risk	Severity	Financial Impact	Describe the Nature of the Risk (limit 150 characters)																					
Regulatory/Compliance	Medium	\$100,000	The fines resulting from compliance activities under the Ontario Water resources Act are substantial.																					
Litigation	Medium	>\$1,000,000	With Climate change generating more intense storms, there is a greater chance that stormwater infrastructure will be impacted more so than in the past. Therefore, there is greater need to protect infrastructure.																					
Complement Details																								
<p>Do not gap positions - If required, please contact the Budget Dept. for instructions</p> <p>Future year progressions & eco. adj. will be calculated corporately by the Budget Dept.</p>																								
Complement Information	Position #1	Position #2	Position #3	Sub-total																				
Budget Year	2017																							
Position title	Program Manager -Stormwater and Wastewater																							
Estimated start date	April 1, 2017																							
# of positions requested	1.00	-		1.00																				
Full-time equivalents (FTEs)	1.00			1.00																				
Position type	Full-time																							
Position agreement classification	Contract																							
If contract, specify length (months or yrs.)	24																							
If Casual/Seasonal PT enter Hourly wage																								
Business unit # (override if different than # shown)	2350001; 2360001																							
Grade level	9																							
Est. starting step	1																							
Desktop (HR) Review Performed?	No																							
B&F Accommodations Available?	Yes																							
Desktop Computer or Laptop required?	Desktop																							
Fleet Vehicle Required?	No																							
Blackberry/Cell Phone Required?	Blackberry																							

Request Title		Program Manager- Stormwater and Wastewater (limit 70 Characters)			
Complement Annual Cost Detail					
Annual full-time \$		106,190			106,190
Annual part-time \$		-	-	-	-
Annual shift premiums, etc.		-	-		-
Annual overtime \$		-	-	-	-
* PT vacation pay (calculated field)		-	-	-	-
* Annual benefits (calculated field)		-	-	-	-
* FT contract benefits (calculated field)		31,857	-	-	31,857
Subtotal (Per Employee)		\$ 138,047	\$ -	\$ -	\$ 138,047
Subtotal (Per Position)		\$ 138,047	\$ -	\$ -	\$ 138,047
Continuous costs	(BU & Acct #.)	Please fill in per Complement. The total will account for multiple positions if indicated above.			
Cellular Line Charges	2360001.7122.01	80			80
Memberships/Dues/Fee	2360001.7105	300			
Mileage	2360001.7100	100			
Office Supplies	2360001.7200	100			
Training & Development	2360001.7115	2,500			2,500
Protect. Clothing/Uniform	2360001.7300	1,000			1,000
Other (Please detail in comments)		-			-
Subtotal (Per Employee)		\$ 4,080	\$ -	\$ -	\$ 4,080
Subtotal (Per Position)		\$ 4,080	\$ -	\$ -	\$ 4,080
One-time costs	(BU & Acct #.)	Please fill in per Complement. The total will account for multiple positions if indicated above.			
Office Equip. & Furniture	2360001.7210	2,500			2,500
Office Supplies	2360001.7200	250			250
Travel	2360001.7113	-			-
		-			-
Subtotal (Per Employee)		2,750	-	-	2,750
Subtotal (Per Position)		\$ 2,750	\$ -	\$ -	\$ 2,750
2017 Total Annual Costs		\$ 144,877	\$ -	\$ -	\$ 144,877
2018 Total Annual Costs		\$ -	\$ -	\$ -	\$ -
2019 Total Annual Costs		\$ -	\$ -	\$ -	\$ -
2020 Total Annual Costs		\$ -	\$ -	\$ -	\$ -
Additional Comments:					

Request Title		Program Manager- Stormwater and Wastewater (limit 70 Characters)							
Capital Funding									
Are there any Capital requests already submitted/approved or to be submitted related to this ARR? (e.g. new car)									
ASSOCIATED CAPITAL FUNDING		Status	Year asset Available for use	Proj #	2017	2018	2019	2020	Total
1									\$ -
2									\$ -
3									\$ -
TOTAL ASSOCIATED CAPITAL FUNDING					\$ -	\$ -	\$ -	\$ -	\$ -
Financial/Resource Detail									
Component			BU Acct. #	2017	2018	2019	2020	2021	
								Full-Yr. Adj.	
REVENUE - continuous operating detail									
1									
2									
3									
4									
Subtotal				-	-	-	-		
REVENUE - one-time operating detail									
1								-	
2								-	
Subtotal				-	-	-	-	-	
EXPENSES - continuous operating detail (For staffing costs please fill out section 7)									
1	* Staffing costs (calculated field)	from compliment section	106,190	-	-	-	-		
2	* Benefits	from compliment section	31,857	-	-	-	-		
3	* Complement sch. Expenses (calculated field)	from compliment section	4,080	-	-	-	-		
4									
5									
6									
7									
Subtotal				142,127	-	-	-		
EXPENSES - one-time operating detail (For staffing costs please fill out section 7)									
1	* Complement sch. Expenses (calculated field)	from compliment section	2,750	-	-	-	-	-	
2								-	
3								-	
Subtotal				2,750	-	-	-	-	
OFFSETS - cost savings, reductions, etc.									
1									
2									
3									
Subtotal				-	-	-	-		
TOTAL OPERATING BUDGET CHANGE				144,877	-	-	-	-	
COMPLEMENTS & FTE's				2017	2018	2019	2020	Total	
# of positions requested		(From sect. 7)	1.00	-	-	-	-	1.00	
FTE's		(From sect. 7)	1.00	-	-	-	-	1.00	
FTE reductions/offsets		(Manual Field)						-	
Net FTE's			1.00	-	-	-	-	1.00	

2017 Draft Operating Budget Water, Wastewater and Stormwater Service Charges

Attachment 3

SCHEDULE "A" (Water) TO BY-LAW NUMBER

METERED ACCOUNTS*		
A.	Water – Consumption Rate	\$1.7159 per cubic meter based on water meter readings starting on April 1, 2017.
B.	Minimum Invoice Charge per Month	\$ 13.00 per month starting on April 1, 2017(conditions apply)

UNMETERED ACCOUNTS*		
A.	Rate per Month - \$40.00	This rate shall be charged for each unit on the premises and a "unit" shall be a room or rooms or part of a building that is separately assessed on the assessment roll or capable of being assessed. (starting on April 1, 2017)

SERVICE CHARGES*				
A.	Turn Off	During Working Hours (Monday to Friday from 8:00 a.m. to 3:30 p.m.)	\$ 77.00 per hour	
		Other than Working Hours (Including Weekends and Holidays)	\$ 99.00 per hour	
B.	Turn On	During Working Hours (Monday to Friday from 8:00 a.m. to 3:30 p.m.)	\$ 77.00 per hour	
		Other than Working Hours (Including Weekends and Holidays)	\$ 99.00 per hour	
C.	Water Meters**	Application for meters and temporary water fees***	Cost per Meter	
			5/8" x 1/2"	\$ 292.00
			5/8" x 3/4"	\$ 293.00
			3/4" x 3/4"	\$ 305.00
			1"	\$ 346.00
			1.5"	\$ 827.00
			2"	\$ 1,267.00
			3"	\$ 2,274.00
			4"	\$ 3,329.00
			6"	\$ 5,424.00
			8"	\$ 8,328.00
			10"	\$ 11,421.00
			6" Fire Line	\$ 8,734.00
			8" Fire Line	\$ 12,733.00
			10" Fire Line	\$ 17,921.00
			22 Gauge, 3 conduit meter wire	\$ 90.00
		AMR Flexnet remote read adaptor		Current Cost

SERVICE CHARGES*

D.	Bulk Water Sales (City of Vaughan Water Filling Stations)	New Water Card **	\$ 50.00
		Replacement of Lost Water Card **	\$ 25.00
		Refill Water Card **	\$ 10.00
		Plus water consumption charged at the current approved rates for water and wastewater per m ³ Charges include water plus wastewater rates	\$ 3.7822 per m ³
E.	Hydrant Meter Rentals	Deposit**	\$ 3,000.00 for each water meter
		Demonstration	\$ 77 per hour (minimum ½ hour)
		Relocation	\$ 77 per hour (minimum ½ hour)
		Plus water consumption charged at the current approved rates for water and wastewater per m ³ Charges include water plus wastewater rates	\$ 3.7822 per m ³
		NOTE: Rentals are site specific by approval	
F.	Drinking Water Permit Fee		\$ 1,200.00 per application
G.	Sprinkler Connection		Site specific as quoted
H.	Water Connection		Site specific as quoted
I.	Water Disconnection		Site specific as quoted
J.	Temporary Building Water	Residential	\$ 40 per residential dwelling
		Commercial/Industrial/High Density Residential (Total Gross Floor Area)	\$ 15 per 1,000sq. ft. / \$16.15 per 100m ² (minimum \$30.00)
K.	Municipal Water Service Check		\$ 150 Clerical activity to determine servicing for City water at properties within a prescribed area
L.	Hydrant Flow Testing**		\$ 154 per test
			Should any test require more than 2 hours, an additional \$77 per hour will apply
M.	Plumbing Not Ready		\$ 154 for each missed/cancelled meter installation appointment
N.	Bacteria Testing – New Mains	During Work Hours (Monday to Friday from 8:00 a.m. to 3:30 p.m.)	\$ 164.75 per test
		Other than Working Hours (Including Weekends and Holidays)	\$ 208.75 per test

SERVICE CHARGES*

O.	Meter Dispute Testing– customer requested **	<ul style="list-style-type: none">- The water meter will be removed and tested for accuracy by a third party contractor. The meter must meet the AWWA Standard for meter accuracy (plus or minus 1.5% of full scale – ie.: 98.5% to 101.5% accuracy).- If the meter full scale accuracy is found to be at:<ul style="list-style-type: none">o Greater than 101.5% accuracy (over registering) then the customer will not be charged for the old and new meters as well as the labour to remove and install.o Less than 98.5% accuracy (under registering) then the customer will be charged for the labour to remove and test the old meter and for the cost of the new meter as well as its installation.
P.	General Administration Fee where applicable	15% to a max of \$1,000
Q.	A charge of \$15.00 shall be applied for each cheque returned by a bank or other financial institution	
R	Overdue accounts are subject to a late payment charge of 1.5% per month (compounded to 19.56% annually).	

***Amounts exclude Harmonized Sales Tax (HST)**

HST will be added where applicable

**** Administrative Fee Applicable**

***Disclaimer: If meter size is not specified above, quote may be required. Price of meter is subject to change based on actual cost

SCHEDULE "A" (Wastewater) TO BY-LAW NUMBER

METERED ACCOUNTS*		
A.	Wastewater – Discharge Rate	\$ 2.0663 per cubic meter based on water meter readings starting on April 1, 2017.
B.	Minimum Invoice Charge per Month	\$ 17.00 per month (conditions apply) starting on April 1, 2017

UNMETERED ACCOUNTS*		
A.	Rate per Month - \$40.00	This rate shall be charged for each unit on the premises and a "unit" shall be a room or rooms or part of a building that is separately assessed on the assessment roll or capable of being assessed. (starting on April 1, 2017)

SERVICE CHARGES*			
A.	Sewer Camera Service (identify blockages in sanitary/sewer lateral lines on private property)	Inside	\$ 77.00 per hour (minimum 3 hours)
		Main-scheduled	\$ 317.00 flat fee
		Main-after hours (after 3:30pm – 7 am)	\$ 339.00 per hour
B.	Sewer Back-up Investigation Service (for response to emergency request from private owner related to back-up)	If blockage on City property	\$ no charge
		If blockage on private property, flat rate fee per hour	\$ 142.00 per hour (minimum 3 hours)
C.	Sanitary Sewer Connection	Site specific as quoted	
D.	Sanitary Sewer Disconnection	Site specific as quoted	
E.	Storm Sewer Connection	Site specific as quoted	
F.	Storm Sewer Disconnection	Site specific as quoted	
G.	Additional CCTV Reports	\$ 75.00 for each additional copy	
H.	Additional CCTV Disk	\$ 15.00 for each additional copy	
I.	Temporary Dewatering Discharge Fees Sanitary/Storm Sewer System **	\$0.5487 per m3 based on meter read	
J.	Dewatering Discharge Application Process Fees- Sanitary/Storm discharge	\$ 515.00	

SERVICE CHARGES*

K.	Storm Water Charge		
	Non-Residential (Small)	\$	41.28
	Non-Residential (Medium)	\$	1,066.21
	Non-Residential (Large)	\$	16,740.78
	Agricultural/Vacant	\$	694.65
	Residential (Low Density)-per unit	\$	50.00
	Residential (Medium Density)-per unit	\$	30.61
	Residential (High Density)	\$	184.00
L. **	<ul style="list-style-type: none"> - Recovery of pumping station operating costs prior to assumption - CCTV costs related to new development - Recovery of operating costs related to infrastructure repairs and service calls in new development prior to assumption 		Cost recovery specified in development agreements
M.	General Administration Fee where applicable	15% to a max of \$1,000	
N.	A charge of \$15.00 shall be applied for each cheque returned by a bank or other financial institution		
O.	Overdue accounts are subject to a late payment charge of 1.5% per month (compounded to 19.56% annually).		

***Amounts exclude Harmonized Sales Tax (HST)**

HST will be added where applicable

**** Administrative Fee Applicable**



Project Summary

Project Number:	FL-5531-17	
Project Title:	PW-WATER- New- 2 pickup trucks and 2 SUVs	
Asset Type:	VHE001 Equipment - New	
Department:	Fleet Management	
Budget Year:	2017	Approval Year: 2017
Scenario Name:	Main	Scenario Active: Yes
Project Stage:	Concept	TCA: Yes
Regions:	City-Wide	
Project Type:	New Equipment	

Project Description				Project Timelines				
New vehicles for staff hired in 2016 to maintain the service level in Water Services 2 Super/Quad/Double Cab 4x4 ½-ton pickup trucks (Back Rack, Cross Box, Bed cover, Beacon, Arrow Stick, Wireless Spot Light, Strobe Lights, Auxiliary lighting, All-weather tires, Running boards, Bed cover, etc.) 2 mid-size 4x4 SUVs (Roof Rack, Arrow stick, Beacon, etc.)								
Scenario Description				Other Dept Impact				
Project Forecast				Project Detailed 2017				
Budget Year	Total Expense	Total Revenue	Difference	Object	Description	Total Amount		
2017	160,680	160,680	0	Expense				
2018	0	0	0	01001 - 8805	3% Administration Cost	4,680		
2019	0	0	0	01001 - 8807	Furniture & Equipment	156,000		
2020	0	0	0			Total Expense:	160,680	
2021 & Beyond	0	0	0	Revenue				
	160,680	160,680	0	60180 - 8844	Water Reserve	160,680		
						Total Revenue:	160,680	
Related Projects				Operating Budget Impact				
				Budget Year	FTE Impact	Total Expense	Total Revenue	Difference
				2017	0.0	0	0	0
				2018	0.0	0	0	0
				2019	0.0	0	0	0
				2020	0.0	0	0	0
				2021 & Beyond	0.0	0	0	0
				ARR:	-			
Year Identified	Start Date	Project Owner	Project Sponsor				Completion Date	
2017	Jan 1, 2017	Donald Eta	Jennifer Rose				Dec 31, 2017	



Project Summary

Project Number:	FL-5532-17	Approval Year:	2017
Project Title:	PW-WATER- Backflow Prevention Coordinator Vehicle	Scenario Active:	Yes
Asset Type:	VHE001 Equipment - New	TCA:	Yes
Department:	Fleet Management		
Budget Year:	2017		
Scenario Name:	Main		
Project Stage:	Concept		
Regions:	City-Wide		
Project Type:	New Equipment		

Project Description				Project Timelines				
New vehicle for 2017 ARR- Backflow Prevention Coordinator. The major role of this position is to administer and implement the backflow prevention program. Super/Quad/Double Cab 4x4 ½-ton pickup trucks (Back Rack, Cross Box, Bed cover, Beacon, Arrow Stick, Wireless Spot Light, Strobe Lights, Auxiliary lighting, All-weather tires, Running boards, Bed cover, etc)								
Scenario Description				Other Dept Impact				
Project Forecast				Project Detailed 2017				
Budget Year	Total Expense	Total Revenue	Difference	Object	Description	Total Amount		
2017	43,260	43,260	0	Expense				
2018	0	0	0	01001 - 8805	3% Administration Cost	1,260		
2019	0	0	0	01001 - 8807	Furniture & Equipment	42,000		
2020	0	0	0			Total Expense:	43,260	
2021 & Beyond	0	0	0	Revenue				
	43,260	43,260	0	60180 - 8844	Water Reserve	43,260		
						Total Revenue:	43,260	
Related Projects				Operating Budget Impact				
				Budget Year	FTE Impact	Total Expense	Total Revenue	Difference
				2017	0.0	0	0	0
				2018	0.0	0	0	0
				2019	0.0	0	0	0
				2020	0.0	0	0	0
				2021 & Beyond	0.0	0	0	0
				ARR:	- Backflow Prevention Coordinator			
Year Identified	Start Date	Project Owner	Project Sponsor				Completion Date	
2017	Jan 1, 2017	Donald Eta	Jennifer Rose				Dec 31, 2017	



Project Summary

Project Number:	EV-2118-17	Approval Year:	2017
Project Title:	Water and Wastewater- Rate Study	Scenario Active:	Yes
Asset Type:	WWS003 Studies & Master Plans (WWS)	TCA:	No
Department:	Environmental Services		
Budget Year:	2017		
Scenario Name:	Main		
Project Stage:	Concept		
Regions:			
Project Type:	Studies		

Project Description				Project Timelines				
Water and Wastewater Rate study to determine rates for future budget years in order to meet Safe Drinking Water Act Requirements, including future infrastructure needs as determined through the City's capital asset management program								
Scenario Description				Other Dept Impact				
Project Forecast				Project Detailed 2017				
Budget Year	Total Expense	Total Revenue	Difference	Object	Description	Total Amount		
2017	154,500	154,500	0	Expense				
2018	0	0	0	01001 - 8802	Consultant	150,000		
2019	0	0	0	01001 - 8805	3% Administration Cost	4,500		
2020	0	0	0			Total Expense:	154,500	
2021 & Beyond	0	0	0	Revenue				
	154,500	154,500	0	60150 - 8844	Sewer Reserve	77,250		
				60180 - 8844	Water Reserve	77,250		
						Total Revenue:	154,500	
Related Projects				Operating Budget Impact				
				Budget Year	FTE Impact	Total Expense	Total Revenue	Difference
				2017	0.0	0	0	0
				2018	0.0	0	0	0
				2019	0.0	0	0	0
				2020	0.0	0	0	0
				2021 & Beyond	0.0	0	0	0
				ARR:	-			
Year Identified	Start Date	Project Owner	Project Sponsor				Completion Date	
2017	Apr 1, 2017						Mar 31, 2018	

THE CITY OF VAUGHAN

BY-LAW

BY-LAW NUMBER 009-2017

A By-Law to amend City of Vaughan By-Law Number 087-2016, as amended with respect to wastewater rates.

The Council of the Corporation of the City of Vaughan ENACTS AS FOLLOWS:

1. THAT City of Vaughan By-Law Number 087-2016 as amended, be and is hereby amended by deleting Schedule "A" attached thereto and substituting therefor Schedule "A" attached hereto.
2. THAT Schedule "A" attached hereto forms part of this By-Law.
3. The services charges set out in Schedule "A" attached hereto shall be effective on the date this By-Law is adopted by Vaughan City Council. The fees for metered and unmetered accounts set out in Schedule "A" attached hereto shall be effective as of April 1, 2017.

Enacted by City of Vaughan Council this 24th day of January, 2017.

Hon. Maurizio Bevilacqua, Mayor

Jeffrey A. Abrams, City Clerk

SCHEDULE "A" TO BY-LAW NUMBER

METERED ACCOUNTS*		
A.	Wastewater – Discharge Rate	\$ 2.0663 per cubic meter based on water meter readings starting on April 1, 2017.
B.	Minimum Invoice Charge per Month	\$ 17.00 per month (conditions apply) starting on April 1, 2017

UNMETERED ACCOUNTS*		
A.	Rate per Month - \$40.00	This rate shall be charged for each unit on the premises and a "unit" shall be a room or rooms or part of a building that is separately assessed on the assessment roll or capable of being assessed. (starting on April 1, 2017)

SERVICE CHARGES*			
A.	Sewer Camera Service (identify blockages in sanitary/sewer lateral lines on private property)	Inside	\$ 77.00 per hour (minimum 3 hours)
		Main-scheduled	\$ 317.00 flat fee
		Main-after hours (after 3:30pm – 7 am)	\$ 339.00 per hour
B.	Sewer Back-up Investigation Service (for response to emergency request from private owner related to back-up)	If blockage on City property	\$ no charge
		If blockage on private property, flat rate fee per hour	\$ 142.00 per hour (minimum 3 hours)
C.	Sanitary Sewer Connection	Site specific as quoted	
D.	Sanitary Sewer Disconnection	Site specific as quoted	
E.	Storm Sewer Connection	Site specific as quoted	
F.	Storm Sewer Disconnection	Site specific as quoted	
G.	Additional CCTV Reports	\$ 75.00 for each additional copy	
H.	Additional CCTV Disk	\$ 15.00 for each additional copy	
I.	Temporary Dewatering Discharge Fees Sanitary/Storm Sewer System **	\$0.5487 per m3 based on meter read	
J.	Dewatering Discharge Application Process Fees- Sanitary/Storm discharge	\$ 515.00	

SERVICE CHARGES*

K.	Storm Water Charge		
	Non-Residential (Small)	\$	41.28
	Non-Residential (Medium)	\$	1,066.21
	Non-Residential (Large)	\$	16,740.78
	Agricultural/Vacant	\$	694.65
	Residential (Low Density)-per unit	\$	50.00
	Residential (Medium Density) -per unit	\$	30.61
	Residential (High Density)	\$	184.00
L. **	<ul style="list-style-type: none"> - Recovery of pumping station operating costs prior to assumption - CCTV costs related to new development - Recovery of operating costs related to infrastructure repairs and service calls in new development prior to assumption 		Cost recovery specified in development agreements
M.	General Administration Fee where applicable	15% to a max of \$1,000 per invoice	
N.	A charge of \$15.00 shall be applied for each cheque returned by a bank or other financial institution		
O.	Overdue accounts are subject to a late payment charge of 1.5% per month (compounded to 19.56% annually).		

***Amounts exclude Harmonized Sales Tax (HST)**

HST will be added where applicable

**** Administrative Fee Applicable**

THE CITY OF VAUGHAN

BY-LAW

BY-LAW NUMBER 010-2017

A By-Law to amend City of Vaughan By-Law Number 177-2016, as amended with respect to water rates.

The Council of the Corporation of the City of Vaughan ENACTS AS FOLLOWS:

1. THAT City of Vaughan By-Law Number 177-2016 as amended, be and is hereby amended by deleting Schedule "A" attached thereto and substituting therefor Schedule "A" attached hereto.
2. THAT Schedule "A" attached hereto forms part of this By-Law.
3. The services charges set out in Schedule "A" attached hereto shall be effective on the date this By-Law is adopted by Vaughan City Council. The fees for metered and unmetered accounts set out in Schedule "A" attached hereto shall be effective as of April 1, 2017.

Enacted by City of Vaughan Council this 24th day of January, 2017.

Hon. Maurizio Bevilacqua, Mayor

Jeffrey A. Abrams, City Clerk

SCHEDULE "A" TO BY-LAW NUMBER

METERED ACCOUNTS*		
A.	Water – Consumption Rate	\$1.7159 per cubic meter based on water meter readings starting on April 1, 2017.
B.	Minimum Invoice Charge per Month	\$ 13.00 per month starting on April 1, 2017(conditions apply)

UNMETERED ACCOUNTS*		
A.	Rate per Month - \$40.00	This rate shall be charged for each unit on the premises and a "unit" shall be a room or rooms or part of a building that is separately assessed on the assessment roll or capable of being assessed. (starting on April 1, 2017)

SERVICE CHARGES*					
A.	Turn Off	During Working Hours (Monday to Friday from 8:00 a.m. to 3:30 p.m.)	\$ 77.00 per hour		
		Other than Working Hours (Including Weekends and Holidays)	\$ 99.00 per hour		
B.	Turn On	During Working Hours (Monday to Friday from 8:00 a.m. to 3:30 p.m.)	\$ 77.00 per hour		
		Other than Working Hours (Including Weekends and Holidays)	\$ 99.00 per hour		
C.	Water Meters**	Application for meters and temporary water fees ***	Cost per Meter		
			5/8" x 1/2"	\$ 292.00	
			5/8" x 3/4"	\$ 293.00	
			3/4" x 3/4"	\$ 305.00	
			1"	\$ 346.00	
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			6"	\$ 5,424.00	
			8"	\$ 8,328.00	
			10"	\$ 11,421.00	
			6" Fire Line	\$ 8,734.00	
			8" Fire Line	\$ 12,733.00	
			10" Fire Line	\$ 17,921.00	
			22 Gauge, 3 conduit meter wire	\$ 90.00	
			AMR Flexnet remote read adaptor		Current Cost

SERVICE CHARGES*

D.	Bulk Water Sales (City of Vaughan Water Filling Stations)	New Water Card **	\$ 50.00
		Replacement of Lost Water Card **	\$ 25.00
		Refill Water Card **	\$ 10.00
		Plus water consumption charged at the current approved rates for water and wastewater per m ³ Charges include water plus wastewater rates	\$ 3.7822 per m ³
E.	Hydrant Meter Rentals	Deposit**	\$ 3,000.00 for each water meter
		Demonstration	\$ 77 per hour (minimum ½ hour)
		Relocation	\$ 77 per hour (minimum ½ hour)
		Plus water consumption charged at the current approved rates for water and wastewater per m ³ Charges include water plus wastewater rates	\$ 3.7822 per m ³
		NOTE: Rentals are site specific by approval	
F.	Drinking Water Permit Fee		\$ 1,200.00 per application
G.	Sprinkler Connection		Site specific as quoted
H.	Water Connection		Site specific as quoted
I.	Water Disconnection		Site specific as quoted
J.	Temporary Building Water	Residential	\$ 40 per residential dwelling
		Commercial/Industrial/High Density Residential (Total Gross Floor Area)	\$ 15 per 1,000sq. ft. / \$16.15 per 100m ² (minimum \$30.00)
K.	Municipal Water Service Check		\$ 150 Clerical activity to determine servicing for City water at properties within a prescribed area
L.	Hydrant Flow Testing**		\$ 154 per test
			Should any test require more than 2 hours, an additional \$77 per hour will apply
M.	Plumbing Not Ready		\$ 154 for each missed/cancelled meter installation appointment
N.	Bacteria Testing – New Mains	During Work Hours (Monday to Friday from 8:00 a.m. to 3:30 p.m.)	\$ 164.75 per test
		Other than Working Hours (Including Weekends and Holidays)	\$ 208.75 per test

SERVICE CHARGES*		
O.	Meter Dispute Testing— customer requested **	<p>- The water meter will be removed and tested for accuracy by a third party contractor. The meter must meet the AWWA Standard for meter accuracy (plus or minus 1.5% of full scale – ie.: 98.5% to 101.5% accuracy).</p> <p>- If the meter full scale accuracy is found to be at:</p> <ul style="list-style-type: none"> o Greater than 101.5% accuracy (over registering) then the customer will not be charged for the old and new meters as well as the labour to remove and install. o Less than 98.5% accuracy (under registering) then the customer will be charged for the labour to remove and test the old meter and for the cost of the new meter as well as its installation.
P.	General Administration Fee where applicable	15% to a max of \$1,000 per invoice
Q.	A charge of \$15.00 shall be applied for each cheque returned by a bank or other financial institution	
R	Overdue accounts are subject to a late payment charge of 1.5% per month (compounded to 19.56% annually).	

***Amounts exclude Harmonized Sales Tax (HST)**

HST will be added where applicable

**** Administrative Fee Applicable**

*** Disclaimer: If meter size is not specified above, quote may be required. Price of meter is subject to change based on actual cost