

TO:	CHAIR AND MEMBERS CORPORATE SERVICES COMMITTEE MEETING ON SEPTEMBER 25, 2018
FROM:	ANNA LISA BARBON MANAGING DIRECTOR, CORPORATE SERVICES AND CITY TREASURER, CHIEF FINANCIAL OFFICER
SUBJECT:	2018 MID-YEAR CAPITAL MONITORING REPORT

RECOMMENDATION

That on the recommendation of the Managing Director, Corporate Services and City Treasurer, Chief Financial Officer:

- a) the 2018 Mid-Year Capital Monitoring Report **BE RECEIVED** for information, it being noted that the life-to-date capital budget represents \$1.9 billion with \$1.3 billion committed and \$0.6 billion uncommitted; it being further noted that the City Treasurer, or designate, will undertake the housekeeping adjustments identified in the Report, in accordance with the Multi-Year Budget Policy adopted by By-law No. CPOL.-45-241;
- b) the status updates of active 2015 life-to-date capital budgets (2015 and prior) having no future budget requests, attached as Appendix "B", **BE RECEIVED** for information;
- c) the following actions be taken with respect to the completed Capital Projects identified in Appendix "C", which have a total of \$6.2 million of net surplus funding:
 - i) the Capital Projects included in Appendix "C" **BE CLOSED**;
 - ii) the following actions be taken with respect to the funding associated with the Capital Projects approved for closure in c) i), above:

Rate Supported

- A) capital receipts funding of \$264,943 **BE TRANSFERRED** to Capital Projects in a net deficit position;
- B) authorized debt financing of \$860,123 **BE RELEASED** resulting in a reduction of authorized, but unissued debt;
- C) uncommitted reserve fund drawdowns of \$1,511,647 **BE RELEASED** from the reserve funds which originally funded the projects;

Non-Rate Supported

- D) uncommitted reserve fund drawdowns of \$2,936,042 **BE RELEASED** from the reserve funds which originally funded the projects;
- E) authorized debt financing of \$887,903 **BE RELEASED** resulting in a reduction of authorized, but unissued debt;
- F) other net non-rate supported funding sources of \$226,254 **BE ADJUSTED** in order to facilitate project closings.

PREVIOUS REPORTS PERTINENT TO THIS MATTER
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Corporate Services Committee, June 19, 2018 meeting, Agenda Item # 2.6, Capital Budget Realignment – Bus Rapid Transit

Strategic Priorities and Policy Committee, May 7, 2018 meeting, Agenda Item # 3.1, 2019 Growth Management Implementation Strategy (GMIS) Update

Corporate Services Committee, April 17, 2018 meeting, Agenda Item # 2.3, 2017 Compliance Report In Accordance With The Procurement of Goods and Services Policy

Corporate Services Committee, April 17, 2018 meeting, Agenda Item # 2.4, 2017 Year-End Capital Monitoring Report

Strategic Priorities and Policy Committee, May 15, 2017 meeting, Agenda # 3, Capital Budget and Financing Policy

LINK TO 2015-2019 STRATEGIC PLAN

Council’s 2015-2019 Strategic Plan for the City of London identifies “Leading in Public Service” as one of four strategic areas of focus. The Capital Monitoring Report supports this strategic area of focus by contributing towards the strategic priority “Proactive financial management”. The “Proactive financial management” strategic priority involves, among other things, making sure that the City’s finances are well planned and that they support intergenerational equity. On a semi-annual basis, through the Capital Monitoring Report process, Civic Administration measures the results achieved against approved budgets, and recommends appropriate adjustments in line with City policies and practices. This exercise ensures the capital budget is continuously updated and reflective of the City’s strategic financial plan.

BACKGROUND

Strong financial management of the capital budget is essential to ensure the budget monitoring processes that are in place demonstrate Civic Administration is providing Council and the community with appropriate information that can be used to promote accountability and transparency, enhance operational effectiveness and promote citizen confidence. This report will address the life-to-date capital budget, including capital projects recommended to be closed, key financing strategies and emerging issues that may impact the capital plan. In addition, the report includes an appendix containing the status of capital projects with budgets greater than three years old that have no future budget requests. This will improve transparency and help Council and the community understand the status of specific capital projects that would be targeted as a high likelihood for project closure.

2018 LIFE-TO-DATE CAPITAL BUDGET ACTIVITY AND REVISIONS

After Council approves the capital budget, as the year progresses, reports are presented to Council to approve major awards to proceed with capital projects. Each report includes a Source of Financing. Most awards are within the approved capital budget, but some awards require revisions or adjustments to the capital budget, as detailed in the Source of Financing.

Other capital awards can proceed with Administrative approval according to the Procurement of Goods and Services Policy. Details on these approvals are provided in an annual report from the Purchasing and Supply Division according to the Procurement Policy. Budget adjustments may also result from the application of assessment growth funding, receipt of senior government funding and other revenue sources such as insurance and private drain connections.

Table 1 summarizes 2018 life-to-date budget adjustments by Tax Supported, Wastewater & Treatment and Water budgets. Appendix “A” provides details on the source of these adjustments.

Table 1 – 2018 Capital Budget Life-To-Date Revisions as of June 30, 2018 (\$ Thousands)

Category	2018 Life-to-Date Approved Budget (as of Jan 1, 2018)	2018 Budget Adjustments ¹		2018 Life-to-Date Approved Budget (as of June 30, 2018)
		Council	Administrative	
Tax Supported	\$1,258,729	(\$104,669)	\$526	\$1,154,586
Wastewater	\$535,226	\$19,707	\$1,426	\$556,359
Water	\$231,693	(\$1,598)	\$158	\$230,253
Total	\$2,025,648	(\$86,560)	\$2,110	\$1,941,198

* Amounts subject rounding.

(1) The negative amounts reported under the Council approved budget adjustments column are a result of the adjustments pertaining to the 2019 GMIS Update and BRT capital budget realignment.

As of June 30, 2018 there has been 115 discrete contract awards worth \$184.6 million (67 were awarded by Council and 48 were awarded administratively). Table 2 summarizes year-to-date contract awards by Tax Supported, Wastewater & Treatment, and Water. Appendix “A” provides details on all Council awards.

Table 2 - Contract Awards 2018 Life-To-Date as of June 30, 2018 (\$ Thousands)

Category	Council Approved Contract Awards		Administration Approved Contract Awards		Total Awards	
	\$ amount	Number	\$ amount	Number	\$ amount	Number
Tax Supported	\$65,539		\$22,150		\$87,689	
Wastewater	\$57,010		\$15,528		\$72,538	
Water	\$18,603		\$5,734		\$24,337	
Total	\$141,152	67	\$43,412	48	\$184,564	115

* Amounts subject to rounding.

2018 LIFE-TO-DATE CAPITAL BUDGET STATUS

A summary of the 2018 life-to-date capital budget, including the amount that is committed spending and the amount that is uncommitted is summarized in Table 3. This information is essential for budget monitoring to ensure that spending is being managed within the approved budget.

Table 3 - 2018 Approved Life-To-Date Capital Budget & Activity (\$ Thousands)

Category	2018 Life-To-Date (as of June 30, 2018)			Percent Committed
	Approved Budget ¹	Actuals & Commitments (Purchase Orders) ²	Uncommitted To-Date ²	
TAX SUPPORTED				
Lifecycle Renewal	367,099	271,890	95,209	74.1%
Growth	508,086	256,025	252,061	50.4%
Service Improvement	279,401	222,932	56,469	79.8%
TOTAL TAX SUPPORTED	1,154,586	750,847	403,739	65.0%
WASTEWATER				
Lifecycle Renewal	167,685	140,235	27,450	83.6%
Growth	263,960	153,174	110,786	58.0%
Service Improvement	124,715	89,317	35,398	71.6%
TOTAL WASTEWATER	556,360	382,726	173,634	68.8%
WATER				
Lifecycle Renewal	148,891	118,058	30,833	79.3%
Growth	72,284	57,749	14,535	79.9%
Service Improvement	9,078	4,828	4,250	53.2%
TOTAL WATER	230,253	180,635	49,618	78.5%
GRAND TOTAL	1,941,199	1,314,208	626,991	
% of Total		67.7%	32.3%	

* Amounts reported are subject to rounding, year-end audit and associated adjustments.

(1) Totals are for active projects only. Projects approved to be closed during the course of the year are deducted from this table.

(2) Once a capital project has an approved budget, spending or commitments may not be made for several years, for example the Multi-Purpose Recreation Centres.

After a review of all active capital projects (excluding projects recommended to be closed as identified in Appendix “C”), it has been determined that there is 1 project projected at this time to be over budget by more than \$50 thousand upon project completion (Table 4).

Table 4 – Capital Projects Projected To Be Over Budget by More Than \$50 Thousand

Project	Approved Budget	Committed	Uncommitted
RC2758 – South East Multi-Purpose Recreation Centre	\$17,587,829	\$1,560,951	\$16,026,878
Additional funding may be required to replace the funding transferred to RC2756 – East Multi-Purpose Recreation Centre to address the funding shortfall within the project (amount transferred was \$3.8 million). The additional funding for RC2758 will likely be a combination of surplus from RC2755 – South West Recreation Centre (Bostwick) and a new budget request through the 2020-2023 multi-year budget if necessary.			

Appendix “B” contains a status update for active 2015 life-to-date capital budgets (2015 and prior) that have no future budget requirements/activity. Appendix “B” provides the status of specific active capital projects that would be targeted as a high likelihood for project closure, it being noted that projects recommended to be closed are contained in Appendix “C”.

CAPITAL BUDGET HOUSEKEEPING ADJUSTMENTS

On May 12, 2015, Council approved a Multi-Year Budget Policy. Included in the policy is authorization for the City Treasurer or designate to make adjustments considered “housekeeping” in nature. These adjustments do not have a material impact on the capital plan. Reporting housekeeping budget adjustments of significance through the budget monitoring process, which occurs twice per year, allows more timely disclosure of capital budget adjustments to Council and the community, better reflects operational requirements and keeps the capital budget in a more current state.

The following housekeeping budget adjustments will be processed:

- Capital project ES523616 (Fox Hollow Trunk Sanitary Sewer) was established for the installation of a new trunk sanitary sewer. This sewer linkage represents an extension to trunk sewers previously constructed through the Fox Hollow Development Area. Currently, this capital project has a budget of \$800 thousand with \$238 thousand in uncommitted funding. The project is significantly under budget due to a favourable tender result caused by an extremely competitive marketplace at the time of the tender award.

Action: As noted in the July 17, 2018 Civic Works Committee report, agenda item # 2.7, Dingman Creek and Colonel Talbot Pumping Stations Budget Adjustments, surplus funding of \$200 thousand from capital project ES523616 will be returned to the City Services Sanitary Sewers Reserve Fund (the Fund) to modestly strengthen the fund’s financial position and be used for other City initiatives that fall within the Fund’s mandate, it being noted that this capital project will remain open until the end of the warranty period (expected completion date Q4 2018).

- Capital project ES5248 (Wharncliffe Road South Trunk Sanitary Sewer) was established for the installation of a new trunk sanitary sewer on Wonderland Road South from Hamlyn Street to Wharncliffe Road South at Bostwick Pump Station. This sewer linkage represents an extension to trunk sewers previously constructed and will service Bostwick East, Bostwick West and the Wonderland Enterprise Corridor. Currently, this capital project has a budget of \$8 million with \$756 thousand in uncommitted funding. The project is significantly under budget due to a favourable tender result caused by an extremely competitive marketplace at the time of the tender award.

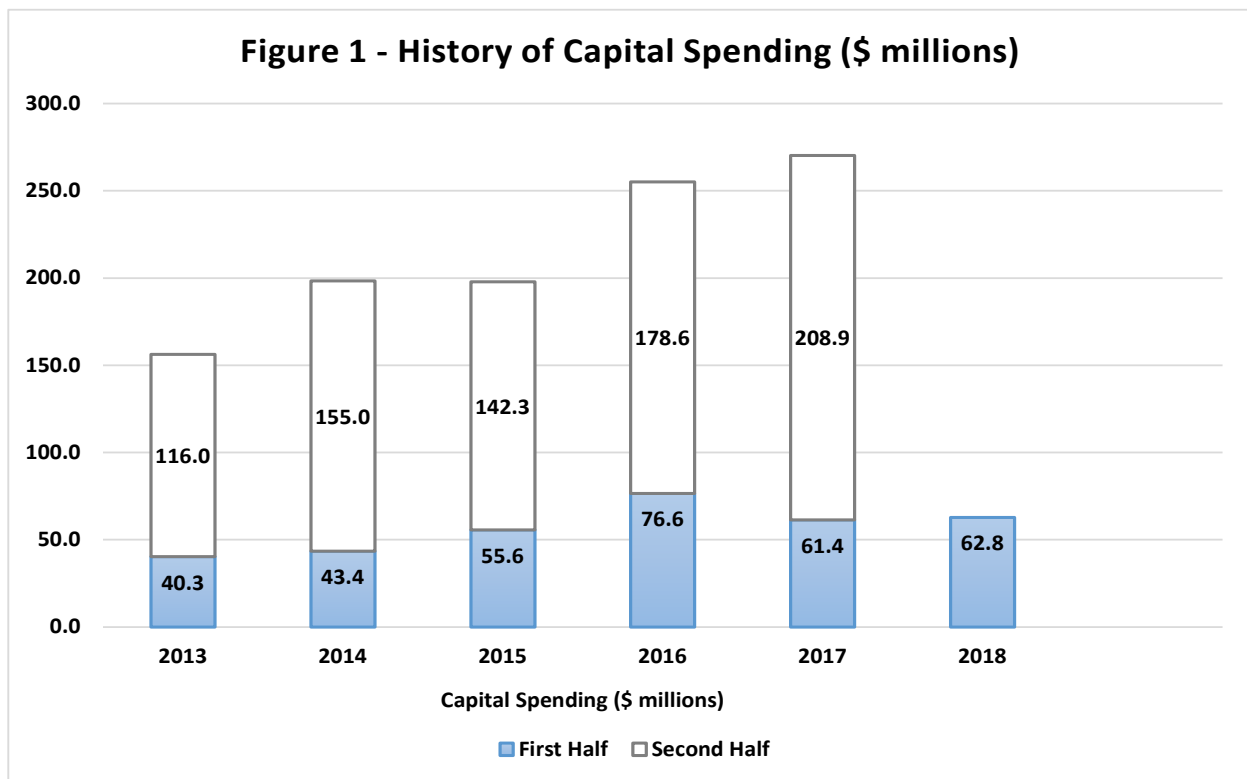
Action: As noted in the July 17, 2018 Civic Works Committee report, agenda item # 2.7, Dingman Creek and Colonel Talbot Pumping Stations Budget Adjustments, surplus funding of \$539 thousand from capital project ES5248 be returned to the City Services Sanitary Sewers Reserve Fund (the Fund) to modestly strengthen the fund’s financial position and be used for other City initiatives that fall within the Fund’s mandate, it being noted that this capital project will remain open until the end of the warranty period (expected completion date Q1 2019).

CAPITAL CASH FLOW

Capital spending in a given year is not the same as the capital budget for that year. Spending on capital projects can extend several years after the budget is approved by Council. Spending within a given year is therefore a layering of several capital projects approved in various years and at various stages.

In any given year, total capital spending tends to be greater during the latter part of the year as construction invoices are received, approved and paid. As of June 30, 2018 the **total capital spending is \$62.8 million** compared to \$61.4 million as of June 30, 2017 (Figure 1). These amounts represent capital spending for the Tax Supported Budget, Water Rate Supported Budget and Wastewater & Treatment Rate Supported Budget.

This information is important for the timing of debt issuances, reserve fund drawdowns and cash flow investment decisions.



COMPLETED (CLOSED) CAPITAL PROJECTS

Civic Administration continues to undertake and intensify a review to close old outstanding projects. This report recommends closing 59 projects with a total budget value of \$107.4 million. The completed projects that are being recommended to be closed were under budget by \$6.2 million in total. The impact of closing the recommended completed projects is summarized in Table 5. For a detailed listing of each completed capital project refer to Appendix “C”.

Table 5 – Net Impact of Completed Capital Projects – Surplus / (Deficit) (\$ Thousands)

Category	Tax/Rate Supported			Non-Rate Supported			Total
	Capital Levy	Debt	Reserve Funds	Reserve Funds ¹	Debt ¹	Other ²	
Tax Supported	(264.9)	465.1	58.9	249.7	0.0	37.3	546.1
Wastewater	0.0	395.0	955.1	1,718.9	887.9	189.0	4,145.9
Water	0.0	0.0	497.6	967.4	0.0	0.0	1,465.0
TOTAL	(264.9)	860.1	1,511.6	2,936.0	887.9	226.3	6,157.0

*Amounts subject to rounding.

(1) Non-rate supported reserve funds / debt primarily supported by Development Charges.

(2) Represents non-City funding sources such as proceeds from external contributors.

The capital closing exercise released uncommitted reserve fund drawdowns of \$4.4 million to the reserve funds outlined in Table 6.

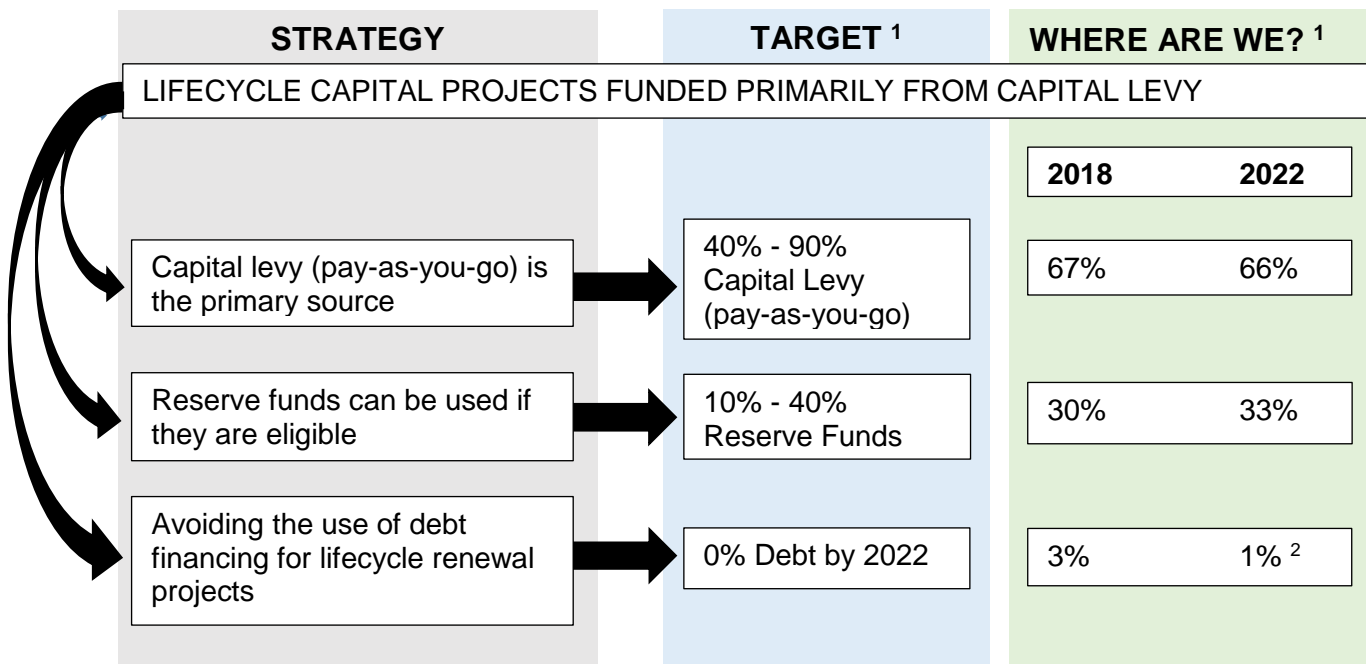
Table 6 - Reserve Funds Impacted by Recommended Account Closing (\$ Thousands)

Tax/Rate Supported		Non-Rate Supported	
Woodlot Acquisition Reserve Fund	3.0	City Services Reserve Fund (CSRF) - Roads	249.0
Parkland Acquisition Reserve Fund	(0.5)	CSRF - Parks & Rec	0.7
Operating Budget Contingency Reserve	56.4	CSRF - Water	468.7
Sewage Works Reserve Fund	955.1	CSRF - Sewer	98.8
Waterworks Reserve Fund	497.6	CSRF - Major SWM	1,431.8
		Federal Gas Tax Reserve Fund	687.0
Subtotal Tax/Rate Supported	1,511.6	Subtotal Non-Rate Supported	2,936.0
		Total All Reserves & Reserve Funds	4,447.6

*Amounts subject to rounding.

CAPITAL BUDGET FINANCING STRATEGIES – CAPITAL LEVY

The overarching capital financing strategy for capital levy, also referred to as pay-as-you-go financing, is to first apply this funding source to Lifecycle Renewal capital budgets since the projects in this classification are to maintain existing infrastructure. Administrative targets have been established, consistent with the overarching strategy and Council approved Capital Budget and Financing Policy, as follows:



(1) Targets apply to the tax/rate supported component only. Non-tax/rate funding (e.g. Federal gas tax, one-time senior government funding) fluctuates based on project mix and program guidelines, beyond control of Administration.

(2) It is Civic Administrations goal to eliminate the 1% of debt financing presently contained within the 2022 Lifecycle Renewal capital budget by applying financial management strategies included in the Council approved Capital Budget and Financing Policy.

CAPITAL BUDGET FINANCING STRATEGIES – RESERVE FUNDS

Discretionary reserve funds are primarily used as a source of financing for Lifecycle Renewal and Service Improvement projects where appropriate reserve funds exist. Obligatory reserve funds are primarily used as a source of financing for Growth projects.

Obligatory and discretionary reserve funds are categorized as follows:

OBLIGATORY

- 1) **City Services Development Charges (DC)** – dictated by the DC by-law
- 2) **Parkland** – cash-in-lieu of parkland dedication through the Parkland Conveyance and Levy By-law (CP-9) according to the Planning Act (Section 51.1)
- 3) **Federal Gas Tax** – funds received under the Municipal Funding Agreement for Transfer of Federal Gas Tax Revenues

DISCRETIONARY

- 1) **Capital Asset Renewal and Replacement** – to support renewal and replacement of existing assets
- 2) **Capital Asset Growth** – to support Development Charges incentive programs and Industrial Land Development Strategy
- 3) **Specific Projects and New Initiatives** – to support specific planned projects (e.g. economic development, affordable housing, community improvement grants and loans)
- 4) **Contingencies/Stabilization and Risk Management** – to provide contingency funding for specific risk areas

Obligatory and discretionary reserve funds are controlled by municipal by-laws and the City's Reserve and Reserve Fund Policy.

Much of the recent focus has been on the Capital Asset Renewal and Replacement category; funds that address the infrastructure gap. In 2013, the Corporate Asset Management (CAM) division identified an infrastructure gap of \$52.1 million with the infrastructure gap projected to grow to \$466.1 million in 10 years.

In January 2018, the Corporate Asset Management Plan (AMP) 2017 Review noted improvements to the Transportation infrastructure gap. In comparison to the baseline established by the 2014 Corporate AMP; the projected future infrastructure gap in Transportation has decreased 25.5%.

In order to help mitigate growth in the infrastructure gap, in 2016, Council approved a strategic investment business case (business case #7) that contributes \$6.75 million to the Capital Infrastructure Gap Reserve Fund over the 2016-2019 multi-year budget period. Furthermore, on an annual basis additional one-time funding may be contributed based on the Council approved Surplus/Deficit Policy and Assessment Growth Policy.

CAPITAL BUDGET FINANCING STRATEGIES – DEBT

A summary of the projected debt levels for 2018 is detailed in Table 7.

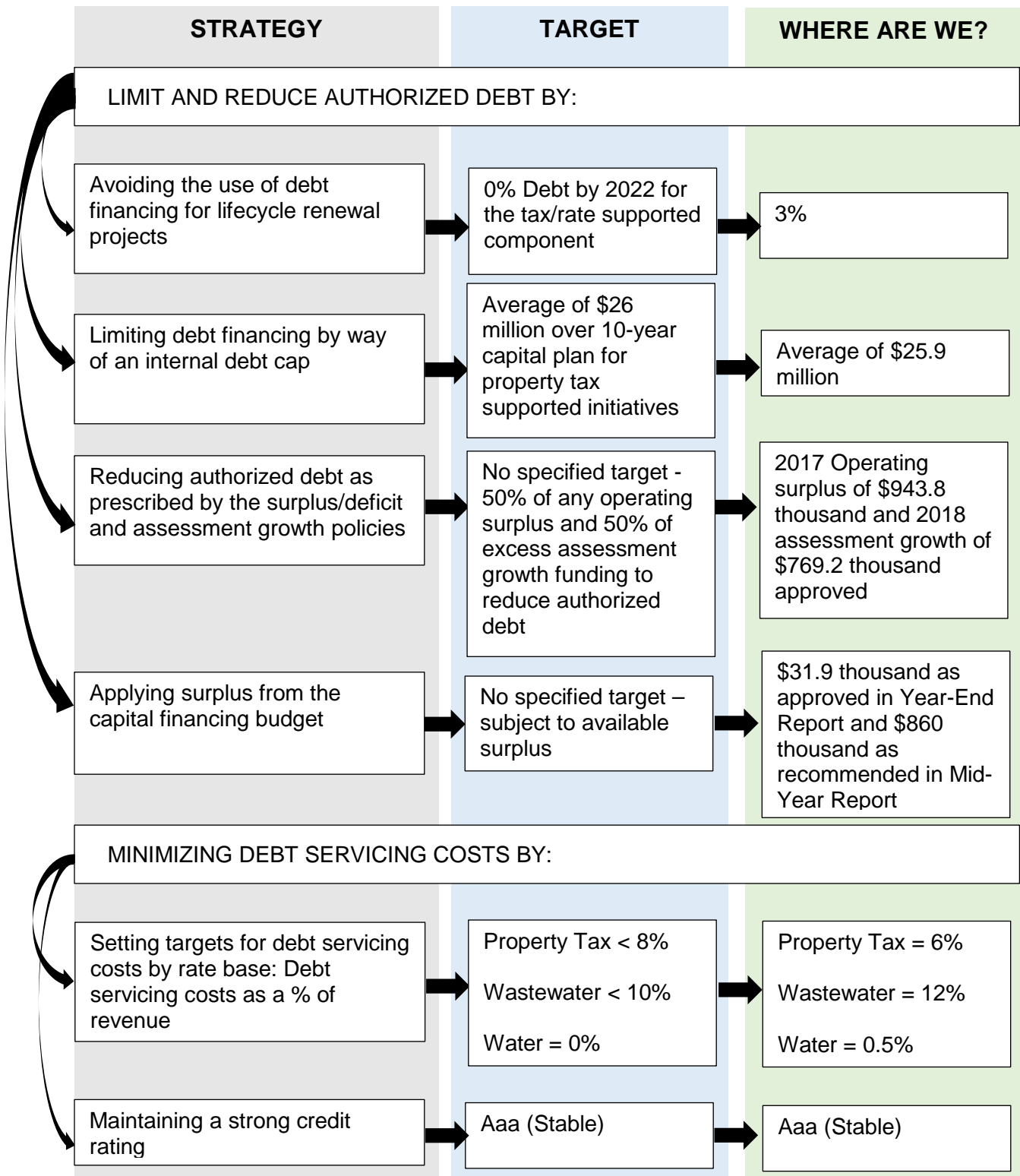
Table 7 – 2018 Debt Level as of June 30, 2018 (\$ millions)

Category	Dec 31, 2017	Issued in 2018	Retired in 2018	Dec 31, 2018 (1)	Authorized 2018	Total Potential
General Property Taxes	164.8	29.0	30.4	163.4	97.3	260.7
Wastewater	55.5	3.1	8.3	50.3	7.7	58.0
Water	1.5	-	0.3	1.2	0.3	1.5
Rate Supported Reserve Funds	18.8	-	4.2	14.6	8.5	23.1
Subtotal	240.6	32.1	43.2	229.5	113.8	343.3
Joint Water Boards - City's Share	17.5	-	2.6	14.9	8.3	23.2
City Services Reserve Funds	43.9	22.9	5.8	61.0	165.2	226.2
Total Debt Level	302.0	55.0	51.6	305.4	287.3	592.7

(1) Outstanding debt level is subject to completion of 2018 financial statement audit.

Amounts are subject to rounding.

The City's Debt Management Policy was approved by Council on August 30, 2016. The policy establishes strategies for the management of the City's debt program. These strategies are outlined below.



EMERGING ISSUES

The list below provides information on emerging issues that may impact the capital budget in 2018 and beyond.

Emerging Issues	Likelihood Of Emerging Issue Impacting 2018-2019 Budget ⁽¹⁾
Property Tax	
Rapid Transit The 2016 – 2019 Multi-Year Budget and ten year capital plan includes a number of projects that together fund a Rapid Transit initiative of approximately \$500 million. The current funding breakdown is:	High

Emerging Issues	Likelihood Of Emerging Issue Impacting 2018-2019 Budget ⁽¹⁾												
<p>Rapid Transit Budget (\$ millions)</p> <table border="0"> <tr> <td colspan="2">Municipal Contribution:</td> </tr> <tr> <td> Tax Supported</td> <td style="text-align: right;">\$ 12</td> </tr> <tr> <td> Development Charges</td> <td style="text-align: right;">\$118</td> </tr> <tr> <td>Other Levels of Government</td> <td style="text-align: right;"><u>\$370</u></td> </tr> <tr> <td>Total</td> <td style="text-align: right;">\$500</td> </tr> </table> <p>New provincial legislation on development charges will change the growth/non-growth split on the municipal contribution based on the new scale of the project and the service standard (ridership). Preliminary analysis indicates the tax supported portion will increase to \$23 million, decreasing the development charges portion to \$107 million. This change will be reflected in the 2020 budget after the 2019 DC study is approved in spring 2019.</p> <p>On January 13, 2018, after a substantial review of the Bus Rapid Transit (BRT) business case, the Province of Ontario committed up to \$170 million for London's BRT initiative. The City of London has received an Agreement in Principle from the province which spells out the high level details of how the provincial investment can be used to advance the BRT initiative.</p> <p>On March 14, 2018, the Federal Government announced an allocation of \$204.9 million for London under the Public Infrastructure Stream of the Investing in Canada Plan. This allocation is based solely on transit ridership. The majority of London's allocation will be applied to the implementation of London's BRT initiative. Once London's projects have been submitted by the province to the federal government, the formal review by federal officials at Infrastructure Canada can commence.</p>	Municipal Contribution:		Tax Supported	\$ 12	Development Charges	\$118	Other Levels of Government	<u>\$370</u>	Total	\$500			
Municipal Contribution:													
Tax Supported	\$ 12												
Development Charges	\$118												
Other Levels of Government	<u>\$370</u>												
Total	\$500												
<p>Infrastructure Funding</p> <p>On March 14, 2018, the Governments of Canada and Ontario announced the finalization of their bilateral agreement on the Investing in Canada Plan under the following four funding streams:</p> <table border="0"> <tr> <td>Federal Investing in Canada Plan</td> <td style="text-align: right;">(\$ billions)</td> </tr> <tr> <td>Public Transit</td> <td style="text-align: right;">\$7.5</td> </tr> <tr> <td>Green Infrastructure</td> <td style="text-align: right;">\$2.2</td> </tr> <tr> <td>Community, Culture and Recreation Infrastructure</td> <td style="text-align: right;">\$0.4</td> </tr> <tr> <td>Rural and Northern Communities Infrastructure</td> <td style="text-align: right;"><u>\$0.3</u></td> </tr> <tr> <td>Total</td> <td style="text-align: right;">\$10.4</td> </tr> </table> <p>Federal investments under the Public Transit stream will go toward improving the capacity, quality, safety of and access to public transit infrastructure, similar to the Public Transit Infrastructure Fund (PTIF). Most importantly, the Public Transit Stream includes a 10 year commitment of long-term, predictable funding that enables longer-term planning with a much higher level of certainty for municipalities.</p> <p>Ontario is required to submit an Infrastructure Plan to the federal government by September 30, 2018. Soon afterwards, the Province of Ontario is expected to release additional details on how it will collect project lists from municipalities in Ontario. Municipal projects will be compiled into Ontario's Infrastructure Plan required to begin federal review on projects.</p>	Federal Investing in Canada Plan	(\$ billions)	Public Transit	\$7.5	Green Infrastructure	\$2.2	Community, Culture and Recreation Infrastructure	\$0.4	Rural and Northern Communities Infrastructure	<u>\$0.3</u>	Total	\$10.4	High
Federal Investing in Canada Plan	(\$ billions)												
Public Transit	\$7.5												
Green Infrastructure	\$2.2												
Community, Culture and Recreation Infrastructure	\$0.4												
Rural and Northern Communities Infrastructure	<u>\$0.3</u>												
Total	\$10.4												
<p>Capital Planning Impacts from Cancelled Provincial Funding</p> <p>The new Provincial government cancelled a number of funding programs for municipalities that were supported by Cap and Trade revenues. For London, this impacted programs to save on fuel costs, utilize landfill gas and provide upgrades to social housing infrastructure. Where possible, these initiatives will be brought forward to Council through direct reports or as part of the 2020-2023 Multi-year Budget, with revised scope and/or alternative funding strategies.</p>	High												

Emerging Issues	Likelihood Of Emerging Issue Impacting 2018-2019 Budget ⁽¹⁾
<p>Tariffs on Steel and Aluminum</p> <p>Preliminary analysis indicates that the estimated impact of steel and aluminum tariffs could be close to \$10 million over planned budgets over the next five years. Purchasing that would most likely be impacted includes fleet vehicles and equipment for the City (including Fire and Police), new and refurbished facilities and transportation or pathway projects that include bridges.</p>	High
<p>Bridge Condition Study</p> <p>In a May 2018 report to Civic Works Committee, Civic Administration identified an infrastructure gap of \$55 million in bridge repairs in the near term. In June 2018, Civic Administration presented the environmental study report on the Victoria Bridge to Civic Works Committee. The \$14.1 million cost estimate for replacement is significant and impacts the infrastructure gap, the capital plan and the debt cap.</p> <p>The Transportation Planning Division is already working with the Corporate Asset Management Team to better identify and quantify the infrastructure gap for bridges. This information will be included in the revised State of the Infrastructure Report scheduled to be released in the second quarter of 2019 by the Corporate Asset Management Team. Subsequent to that report, Transportation Planning will begin development of their capital plan for bridges for the 2020 – 2023 Multi-year Budget in which they will attempt to address the shortfall, subject to available funding.</p>	Medium
<p>60% Waste Diversion Action Plan</p> <p>The City is working towards a 60% Waste Diversion Action Plan, the major component being a Green Bin Program. Annual operating costs for the Plan will range from \$5.05 million to \$7.45 million, with the most likely cost estimated to be \$6.5 million. Ultimately, costs will depend on final program design, market competition, etc. These costs could be offset by revenues of \$2.0 million.</p> <p>The change in government in Ontario has created additional uncertainty regarding a number of potential revenue sources for waste diversion.</p> <ul style="list-style-type: none"> • Potentially the Extended Producer Responsibility (EPR) program will be paid 100% by industry by 2023, reducing City’s current waste diversion cost by \$1.5 to \$1.8 million plus one-time capital funding if industry purchases the City’s recycling facility. • Other EPR revenues for additional items could be from \$50,000 to \$150,000 per year. • A W12A Landfill levy could support diversion with revenue ranging from \$250,000 to \$1 million/year. <p>Capital costs for the 60% Waste Diversion Action Plan will depend on program design, technology considerations, etc. The largest capital expenditure will be for the Green Bin Program – previously estimated to be \$12 million. Other waste diversion initiatives requiring capital could be \$500 thousand to \$3 million.</p>	Low
<p>Wastewater & Water</p>	
<p>Corporate Asset Management Plan 2017 Review (Wastewater and Water)</p> <p>The Corporate Asset Management Plan outlines the City’s plans for the management of its \$10.9 billion worth of infrastructure. The plan is currently undergoing a 5 year review. Late in 2017, the City hired external expertise to analyze the replacement values of its linear assets. The resultant replacement values have significantly increased from the 2013 estimate due to the improved accuracy of unit cost assumptions. Administration is currently reviewing the existing 20-year plans for water and wastewater assets. A</p>	Low

Emerging Issues	Likelihood Of Emerging Issue Impacting 2018-2019 Budget ⁽¹⁾
strategy for addressing the resulting infrastructure gap will be established as part of the multi-year budget process.	
<p>Climate Change Adaptation Strategy (Flood Proofing and Protection) (Wastewater)</p> <p>Flood proofing of several of the City's wastewater treatment plants and flood control dykes have been identified in the 2015-2019 corporate strategic plan. It was anticipated that funding would be available as part of the Federal/Provincial infrastructure program; however, the application window for the next round of funding has been delayed by over one year. If the federal/provincial program is canceled, a strategy for addressing this need will be established as part of the multi-year budget process.</p>	Low
<p>Canada-Ontario Lake Erie Action Plan (Wastewater)</p> <p>The Great Lakes Water Quality Agreement requires the United States and Canada to reduce phosphorus levels that contribute to algal blooms in Lake Erie by 40% based on levels measured in 2008. The Thames River Watershed has been identified as a priority watershed. The final Canada-Ontario Lake Erie Action Plan was issued by the Federal government in February 2018. The plan includes a series of specific actions to be undertaken by the City of London that were endorsed by Council in Q4-2017. The timing and funding of these actions will be considered as part of the multi-year budget process.</p>	Low
<p>Pollution Prevention and Control Plan (Wastewater)</p> <p>The Pollution Prevention and Control Plan is London's long-term strategy to identify, investigate, and reduce sewer system overflows. This plan includes \$290M worth of projects to be implemented over a 20 year period. The timing and funding of these projects will be considered as part of the multi-year budget process.</p>	Low
<p>East London Sanitary Servicing (Wastewater)</p> <p>The East London Sanitary Servicing Study identified a plan to provide growth wastewater servicing to east London at a cost of \$34M to \$74.5M. The timing and funding of these projects will be considered as part of the multi-year budget process.</p>	Low
<p>Core Area Servicing Studies (Wastewater and Water)</p> <p>The Core Area Servicing Studies provide a plan to provide servicing for intensification related development within the built out City. The plan includes \$176M in stormwater and wastewater works with a City funded share of \$111M and \$9M in water works with a City funded share of \$0.6M. The timing and funding of these projects will be considered as part of the multi-year budget process.</p>	Low
<p>Long-term Water Storage Environmental Assessment (Water)</p> <p>The City of London water system includes 5 water reservoirs. The Springbank Reservoir 2 is nearing the end of its useful life, and now is the appropriate time to undertake the environmental assessment work that will consider how the reservoir will be reconstructed or replaced. This environmental assessment will also consider the long-term storage needs required to service anticipated urban growth. The timing and funding of the projects identified in this plan will be considered as part of the multi-year budget process.</p>	Low
<p>Arva Huron Waterline (Water)</p> <p>The Arva-Huron Pipeline is the most critical supply of water into the City of London, supplying approximately 85% of water used by all customers. An environmental assessment is currently scheduled to determine the long-term strategy for replacing this key component of the City's water system. The timing and funding of the projects identified in this plan will be considered as part of the multi-year budget process.</p>	Low

(1) Definition of Likelihood:

High – likelihood of the issue impacting the 2018-2019 period is predicted to be greater than 60%.

Medium – likelihood of the issue impacting the 2018-2019 period is predicted to be between 30% and 60%.

Low – likelihood of the issue impacting the 2018-2019 period is predicted to be less than 30%.

CONCLUSION

Key items included in the 2018 Mid-Year Capital Monitoring Report include the following:

- The 2018 life-to-date capital budget:
 - \$1,314.2 million (67.7%) of the \$1,941.2 million 2018 life-to-date capital budget is committed, leaving \$627.0 million (32.3%) of approved capital funding uncommitted.
 - A status update for active 2015 life-to-date capital budgets (2015 and prior) that have no future budget requests is disclosed in Appendix “B”.
- A total of 59 completed capital projects with a total budget value of \$107.4 million and surplus of \$6.2 million are recommended to be closed with surplus funding returned to the original source of funding (Appendix “C”).
- Emerging issues were identified that may impact the capital budget in 2018 and beyond. Civic Administration will continue to monitor these issues and report back to Council and the community in a timely manner.

Acknowledgements

This report was prepared with significant contributions from the City’s Business Administration teams, project managers from across the corporation, Government Relations and Alan Dunbar, Manager III, and Marta Semeniuk, Capital Budget Officer, in Financial Planning & Policy.

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Appendix A - 2018 Capital Budget Activity (Life-To-Date June 30, 2018)

SOF #	Date of Committee Award	Service	Description	Awarded Amount	Budget Adjustments Required
Council Awards					
18001	9-Jan	Transportation Services	Contract Administration Services Associated with the Construction of Kilally Road Reconstruction Phase 1	181,063	
18001	9-Jan	Water	Contract Administration Services Associated with the Construction of Kilally Road Reconstruction Phase 1	30,971	
18002	8-Jan	Transportation Services	Subdivision Special Provisions - Summerside Phase 13A	623,586	486,000
18002	8-Jan	Wastewater & Treatment	Subdivision Special Provisions - Summerside Phase 13A	366,092	
18002	8-Jan	Water	Subdivision Special Provisions - Summerside Phase 13A	24,361	
18003	9-Jan	Wastewater & Treatment	Mud Creek Flood Reduction and Rehabilitation Phase 1 Detailed Design	1,099,514	
18004	8-Jan	Transportation Services	Subdivision Special Provisions - Edgevalley Subdivision	22,820	
18004	8-Jan	Wastewater & Treatment	Subdivision Special Provisions - Edgevalley Subdivision	6,521,235	
18005	23-Jan	Environmental Services	Property Acquisition - W12A Buffer - 5725 White Oak Road	485,368	489,542
18006	9-Jan	Corporate, Operational & Council Services	Microsoft Dynamics CRM Implementation Partner 2017 - 2019 RFP16-52	264,576	
18008	23-Jan	Corporate, Operational & Council Services	Construction Contract to Demolish 280 York Street / 340 Wellington	355,651	75,000
18009	6-Feb	Transportation Services	Wonderland Road South Two-Lane Upgrade	7,274,323	
18010	23-Jan	Corporate, Operational & Council Services	Implementation Services to Migrate the Existing Microsoft Reports to Microsoft Business Intelligence (BI) Reporting Services	298,793	
18011	6-Feb	Transportation Services	Property Acquisition - Western Road Widening Project	1,063,810	
18012	6-Feb	Transportation Services	Infrastructure Renewal Program - Byron Baseline Road Reconstruction Project	248,040	
18012	6-Feb	Water	Infrastructure Renewal Program - Byron Baseline Road Reconstruction Project	413,400	233,031
18013	6-Feb	Water	Sole Source Award - Acoustic Fiber Optic Monitoring Contract	153,578	
18014	6-Feb	Wastewater & Treatment	North Lambeth P9 Stormwater Management Facility	5,187,170	2,076,927
18015	6-Feb	Water	Consultant Assignment - Southeast Pressure Zone Development - Construction Administration	133,921	
18016	6-Feb	Wastewater & Treatment	Detailed Design and Contract Administration of the Fox Hollow Stormwater Management Facility No. 1 - North Cell	405,500	
18019	6-Feb	Transportation Services	Western Road / Wharncliffe Road North Improvements, Phase 2	6,149,381	
18019	6-Feb	Wastewater & Treatment	Western Road / Wharncliffe Road North Improvements, Phase 2	1,001,253	
18019	6-Feb	Water	Western Road / Wharncliffe Road North Improvements, Phase 2	1,445,165	
18021	21-Feb	Wastewater & Treatment	Single Source Purchase of One Turbo Blower for the Greenway Wastewater Treatment Plant	422,304	339,000
18022	21-Feb	Wastewater & Treatment	Greenway Wastewater Treatment Plant - Expansion Project	481,808	
18023	21-Feb	Wastewater & Treatment	Colonel Talbot Pumping Station	495,655	
18026	21-Feb	Corporate, Operational & Council Services	Dundas Place	96,672	
18026	21-Feb	Transportation Services	Dundas Place	24,991,338	12,753,669
18026	21-Feb	Wastewater & Treatment	Dundas Place	1,937,112	1,000,000
18026	21-Feb	Water	Dundas Place	2,427,981	700,000
18027	21-Feb	Parks, Recreation & Neighbourhood Services	Request for Proposal - Parks and Recreation Strategic Master Plan Update	178,075	
18033	21-Feb	Parks, Recreation & Neighbourhood Services	Ontario Municipal Commuter Cycling (OMCC) Program		3,328,752
18039	23-Feb	Wastewater & Treatment	2018 Infrastructure Renewal Program Contract #6 - West Mile Road, North Mile Road, East Mile Road, Green Lane, Adevon Ave.		18,800
18041	19-Mar	Transportation Services	2018 Infrastructure Renewal Program - Egerton Street and King Street Phase 1 Reconstruction Project	1,435,041	
18041	19-Mar	Wastewater & Treatment	2018 Infrastructure Renewal Program - Egerton Street and King Street Phase 1 Reconstruction Project	3,023,871	661,031
18041	19-Mar	Water	2018 Infrastructure Renewal Program - Egerton Street and King Street Phase 1 Reconstruction Project	1,920,824	
18042	19-Mar	Wastewater & Treatment	Greenway Odour Control and HVAC Equipment Installation	499,743	
18043	19-Mar	Transportation Services	2018 Infrastructure Renewal Program - York Street Sewer Separation	785,506	
18043	19-Mar	Wastewater & Treatment	2018 Infrastructure Renewal Program - York Street Sewer Separation	4,947,752	380,927
18043	19-Mar	Water	2018 Infrastructure Renewal Program - York Street Sewer Separation	1,771,382	
18045	15-Mar	Parks, Recreation & Neighbourhood Services	Single Source Procurement Recreation Activity Management System	143,500	
18046	19-Mar	Parks, Recreation & Neighbourhood Services	Ontario Municipal Greenhouse Gas (GHG) Challenge Fund Transfer Payment Agreement		822,500
18047	19-Mar	Corporate, Operational & Council Services	Ontario Municipal Greenhouse Gas (GHG) Challenge Fund Transfer Payment Agreement	1,382,625	1,382,625
18049	19-Mar	Wastewater & Treatment	One River Environmental Assessment Update	410,381	3,780,279
18050	4-Apr	Transportation Services	Infrastructure Renewal Project - Contract 15 - Main Street	3,530,474	
18050	4-Apr	Wastewater & Treatment	Infrastructure Renewal Project - Contract 15 - Main Street	4,621,690	235,094
18050	4-Apr	Water	Infrastructure Renewal Project - Contract 15 - Main Street	1,055,962	
18053	4-Apr	Protective Services	Enterprise Wide Management / Administration Software	395,236	
18056	4-Apr	Parks, Recreation & Neighbourhood Services	Consulting Services Thames Valley Corridor - SoHo Neighbourhood	306,296	
18057	3-Apr	Transportation Services	Property Acquisition - Bus Rapid Transit Project	205,245	
18058	4-Apr	Transportation Services	Property Acquisition - Bus Rapid Transit Project	208,451	
18063	17-Apr	Wastewater & Treatment	Greenway Rotary Drum Thickener Pre-Purchase	194,674	
18064	17-Apr	Water	2018 Watermain Cleaning and Structural Lining	5,143,428	
18065	17-Apr	Water	Consulting Engineering for Long-Term Storage Options Environmental Assessment	160,593	
18066	17-Apr	Wastewater & Treatment	2018 Infrastructure Renewal Program - Consultant Construction Supervision Awards - Cavendish Crescent and Avalon Street Projects	589,971	
18066	17-Apr	Water	2018 Infrastructure Renewal Program - Consultant Construction Supervision Awards - Cavendish Crescent and Avalon Street Projects	193,575	
18067	17-Apr	Transportation Services	2018 Growth Management Implementation Strategy Southwest Area Trunk Sanitary Sewer - Phase 3	909,603	
18067	17-Apr	Wastewater & Treatment	2018 Growth Management Implementation Strategy Southwest Area Trunk Sanitary Sewer - Phase 3	6,962,578	40,000
18067	17-Apr	Water	2018 Growth Management Implementation Strategy Southwest Area Trunk Sanitary Sewer - Phase 3	43,452	
18068	15-May	Transportation Services	Infrastructure Renewal Project - Contract 11 - Hamilton Road & Sackville Street	1,731,037	
18068	15-May	Wastewater & Treatment	Infrastructure Renewal Project - Contract 11 - Hamilton Road & Sackville Street	1,845,029	8,000
18068	15-May	Water	Infrastructure Renewal Project - Contract 11 - Hamilton Road & Sackville Street	1,149,761	

Appendix A - 2018 Capital Budget Activity (Life-To-Date June 30, 2018)

SOF #	Date of Committee Award	Service	Description	Awarded Amount	Budget Adjustments Required
18069	16-Apr	Wastewater & Treatment	City Services Reserve Fund Claimable Works - 2150 Oxford Street East	309,765	
18070	23-Apr	Transportation Services	Bus Rapid Transit - Environment Assessment Initiative Procurement Options Analysis and Value for Money Assessment	113,101	
18071	15-May	Environmental Services	Construction of Waste Disposal Cell 9 and Extension of On Site Access Road W12A Landfill	4,495,360	3,100,000
18073	1-May	Transportation Services	Property Acquisition - Bus Rapid Transit Project	370,211	
18074	1-May	Transportation Services	Property Acquisition - Bus Rapid Transit Project	174,314	
18075	1-May	Transportation Services	Property Acquisition - Bus Rapid Transit Project	189,831	
18076	1-May	Transportation Services	Property Acquisition - Bus Rapid Transit Project	282,440	
18077	1-May	Transportation Services	Lease of Office Space - Request for Proposal No 17-22 for Rapid Transit Implementation Office - Environmental and Engineering Services London Public Library - 251 Dundas Street	333,333	
18077	1-May	Wastewater & Treatment	Lease of Office Space - Request for Proposal No 17-22 for Rapid Transit Implementation Office - Environmental and Engineering Services London Public Library - 251 Dundas Street	108,334	
18077	1-May	Water	Lease of Office Space - Request for Proposal No 17-22 for Rapid Transit Implementation Office - Environmental and Engineering Services London Public Library - 251 Dundas Street	58,333	
18078	15-May	Transportation Services	Adelaide Street North Widening Environmental Assessment	325,084	57,647
18079	15-May	Wastewater & Treatment	North Routledge Park Sanitary Sewer Servicing	1,680,121	400,000
18080	15-May	Wastewater & Treatment	Design and Construction Administrative Services Dingman Creek Pumping Station Upgrades	993,613	993,613
18081	14-May	Transportation Services	Claimable works for 3313-3405 Wonderland Road South Site Plan	522,537	139,838
18082	15-May	Wastewater & Treatment	Vauxhall-Pottersburg Interconnection Project	6,390,419	
18082	15-May	Water	Vauxhall-Pottersburg Interconnection Project	186,168	
18084	28-May	Transportation Services	Non- Intrusive Vehicle Detection Equipment	458,698	
18085	15-May	Transportation Services	Property Acquisition - Bus Rapid Transit Project	302,824	
18093	19-Jun	Transportation Services	Wharnclyffe Road South Improvements	2,089,598	
18094	28-May	Wastewater & Treatment	Supply and Installation of Sewer Liners Cured in Place Pipe (CIPP)	3,402,265	
18095	28-May	Wastewater & Treatment	Stormwater Management Facility (SWM) Land Acquisition Agreement	1,171,085	
18097	19-Jun	Wastewater & Treatment	Infrastructure Renewal Program	1,940,838	
18097	19-Jun	Water	Infrastructure Renewal Program	1,710,145	
18097	19-Jun	Transportation Services	Infrastructure Renewal Program	112,657	
18098	19-Jun	Economic Prosperity	Southwestern Integrated Fibre Technology (SWIFT) Network Project		690,000
18099	18-Jun	Parks, Recreation & Neighbourhood Services	RFP18-11 Consulting Services - Kilally Fields	241,000	
18101	19-Jun	Transportation Services	Hyde Park Road / Sunningdale Road West Roundabout - Appointment of Consulting Engineer	282,932	
18102	19-Jun	Transportation Services	Bradley Avenue Extension - Appointment of Consulting Engineer	516,950	
18105	1-Jun	Water	Fire Hydrant Painting		
18106	19-Jun	Corporate, Operational & Council Services	RFP 18-14 Hydro Excavators	580,032	
18106	19-Jun	Water	RFP 18-14 Hydro Excavators	580,032	
18107	18-Jun	Social & Health Services	Request for Proposal 18-04 - Social Housing Building Inventory	117,253	117,253
18108	18-Jun	Transportation Services	Capital Works Budget Cost Sharing for 164 Sherwood Forest Square	149,887	
18110	19-Jun	Transportation Services	Property Acquisition - Bus Rapid Transit Project	165,882	
18111	19-Jun	Transportation Services	Property Acquisition - Bus Rapid Transit Project	171,534	
18112	19-Jun	Transportation Services	Property Acquisition - Bus Rapid Transit Project	235,245	
18113	18-Jun	Culture Services	Simcoe School WWI Memorial Restoration	42,000	42,000
Subtotal Council Awards				141,152,017	34,351,528
Council Approved Budget Adjustments					
		Water	2017 Year-End Monitoring Report Budget Adjustments ⁽¹⁾		(2,530,686)
		Wastewater & Treatment	2019 GMS Update		9,773,700
		Property Tax	2018 Assessment Growth		1,504,097
		Property Tax	BRT Realignment ⁽²⁾		(129,786,124)
		Property Tax	Miscellaneous adjustments resulting from various approved Council		128,113
Subtotal Council Awards & Budget Adjustments				141,152,017	(86,559,372)

	Awarded Amount	Budget Adjustments Required
Council Awards and Budget Adjustments		
Property Tax Budget	65,539,213	(104,669,088)
Wastewater & Treatment Budget	57,009,772	19,707,371
Water Budget	18,603,032	(1,597,655)
Subtotal Council Awards and Budget Adjustments	141,152,017	(86,559,372)
Administrative Awards and Budget Adjustments ⁽³⁾		
Property Tax Budget	22,150,051	525,847
Wastewater & Treatment Budget	15,527,907	1,426,449
Water Budget	5,734,466	157,696
Subtotal Administrative Awards and Budget Adjustments	43,412,424	2,109,992
Total Council and Administrative Awards and Budget Adjustments		
Property Tax Budget	87,689,264	(104,143,241)
Wastewater & Treatment Budget	72,537,679	21,133,820
Water Budget	24,337,498	(1,439,959)
Total	184,564,441	(84,449,380)

Notes:

- 1) The budget adjustments presented in the 2017 Year-End Capital Budget Monitoring Report impact the 2018 LTD budget thus they are reflected as a Council approved budget adjustment.
- 2) As per the Corporate Service Committee, June 19, 2018 meeting, agenda item # 2.6, Capital Budget Realignment - Bus Rapid Transit Report, the budget for BRT has been moved forward to align with the latest project roll-out schedule.
- 3) Civic Administration source of financing awards are in accordance with the Procurement of Goods & Services Policy and are reported annually through that process. Budget adjustments include additional revenue from private drain connections and other non-tax supported funding sources.

Appendix B - Summary of 2015 Life-To-Date Capital Budgets (2015 and prior) Having No Future Budget Requests

Project	Project Description	Classification	Service Area	2015 LTD Budget	Committed	Uncommitted	Expected Completion	Explanation
Tax Supported Budget								
PD1146	DEVELOPMENT MANAGEMENT	Life Cycle Renewal	Development & Compliance	180,000	6,156	173,844	Q4 2019	Backflow, e-permitting (portal) projects and business folders have been completed. Sign Folder and mobile solution projects have started and other folders are moving along as scheduled.
ME2012-01	2012 V&E REPLACEMENT - TCA	Life Cycle Renewal	Environment & Engineering	6,147,263	5,800,969	346,294	Q4 2018	This project will be considered complete once the chipper truck is completed in Q4 2018 and the open arrowboard PO has been paid. Remaining variance balance requested to be moved to ME201701.
ME2013-01	2013 V&E REPL - TCA	Life Cycle Renewal	Environment & Engineering	1,409,794	1,127,042	282,752	Q3 2019	One hybrid car and one crane truck awaiting operational decisions are remaining with expected completion in Q3 2019. These two units and the remaining variance balance are requested to be moved to ME201701.
TS1446-14	2014 ROAD REHAB-MAIN	Life Cycle Renewal	Environment & Engineering	10,770,885	10,753,104	17,781	Q4 2019	EA has been initiated and delays have been encountered as we consult with Western regarding BRT. EA expected to be completed later in 2019.
TS1446-15	BLK ROAD REHAB-MAIN	Life Cycle Renewal	Environment & Engineering	11,958,981	11,920,388	38,593	Q4 2018	Awaiting end of warranty.
TS4067-15	TRAFFIC SIGNALS-MTCE	Life Cycle Renewal	Environment & Engineering	3,201,000	2,850,968	350,032	Q4 2019	Project can be closed and the balance transferred to TS406717 when outstanding POs are closed. Funds will be used for additional traffic signal re-builds.
TS5123-14	2014 STREET LIGHT MAINTENANCE	Life Cycle Renewal	Environment & Engineering	1,212,089	1,173,037	39,052	Q1 2019	Project can be closed and funds transferred to TS512317 when PO are closed.
GG1545-15	MUNICIPAL BUILDINGS LCR	Life Cycle Renewal	Finance & Corporate	510,000	557,950	(47,950)	Q2 2019	This program is currently comprised of a number of active projects i.e. accessible counters to meet AODA standards, many of which are in a design and/or construction stage. Three of the projects are delayed. The existing variance represents outstanding payments of future project invoicing.
GG1555-14	2014 CITY HALL MAJOR UPGRADES	Life Cycle Renewal	Finance & Corporate	1,661,061	1,621,499	39,562	Q4 2019	This program is also to be used for a future larger City Hall renewal source of finance - Master Accommodation Plan 2015.
GG1555-15	BLK CITY HALL MAJOR UPGRADES	Life Cycle Renewal	Finance & Corporate	415,199	416,060	(861)	Q4 2019	This program is also to be used for a future larger City Hall renewal source of finance - Master Accommodation Plan 2015.
GG1640	BLK BUILDING ACCESSIBILITY	Life Cycle Renewal	Finance & Corporate	550,000	540,846	9,154	Q4 2019	Annual program for condition studies.
GG1683	BLK FACILITIES CONDITION	Life Cycle Renewal	Finance & Corporate	380,615	368,951	11,664	Q4 2019	Annual program for condition studies.
GGMOD1405	PH 5-NETWORK WIRELESS PT	Life Cycle Renewal	Finance & Corporate	106,588	18,676	87,912	Q4 2018	Project will deliver the upgrade of the City of London's point to point radios. These radios are essential in the provision of connectivity to City of London sites outside the downtown and providing redundancy to City of London sites connected via fibre optic cabling.
GGMOD1406	PH 6-NETWORK PROJ CLOSURE	Life Cycle Renewal	Finance & Corporate	21,630	21,182	448	Q1 2019	Ongoing - Project will deliver the final phase of the Network Modernization program including documentation provision, assessment and quality assurance activities.
GG1620	DEARNESS MAJOR UPGRADES	Life Cycle Renewal	Housing Social Services & Dearness Home	1,156,000	968,829	187,171	Q4 2019	Annual program for Life Cycle Renewal work to be undertaken at Dearness Home.
PP4314-15	REPLACE POLICE VEHICLES	Life Cycle Renewal	London Police Services	954,600	954,019	581	Q4 2018	Cyclical replacement of police vehicles. Small balance of funding remaining should be utilized and project closed by end of 2018.
PP4444-15	HEADQUARTERS BUILDING REPAIRS	Life Cycle Renewal	London Police Services	500,000	421,404	78,596	Q4 2018	Shifting priorities have impacted initial project plans. Remaining unspent funds should be utilized by the end of 2018.
PP1032	RADIO EQUIPMENT	Life Cycle Renewal	Neighbourhood Children & Fire Services	1,790,000	1,780,104	9,896	Q2 2019	Open PO outstanding to integrate Locution system into current systems. Project on hold due to labour relations matters.
PP1123-15	REPLACE FIREFIGHTER EQUIPMENT	Life Cycle Renewal	Neighbourhood Children & Fire Services	525,000	514,486	10,514	Q3 2018	Remaining funds are being used to purchase second set of bunker gear in 2018 based on Council approved timing.
RC2428	ENHANCED CGAC AQUATIC FUND	Life Cycle Renewal	Parks & Recreation	43,575	38,841	4,734	Q4 2018	Amount was a donation made in memorium, to be used for customer service enhancements specifically for the Canada Games Aquatic Centre. It is expected the project will be completed by the end of 2018.
PD1129-13	2013 DWTN STREET TREE PLANTING	Life Cycle Renewal	Planning	378,392	357,076	21,316	Q4 2018	Construction of Old East Parking Lot redevelopment at Queens Park complete, trees will be installed this year.
PD1129-14	2014 DWNTWN STREET TREE PLANTI	Life Cycle Renewal	Planning	288,504	215,309	73,195	Q4 2018	Funding to be used at Old Victoria Hospital Lands Civic Space for tree planting. Design in progress. Construction expected in the 2nd half of 2018.

Appendix B - Summary of 2015 Life-To-Date Capital Budgets (2015 and prior) Having No Future Budget Requests

Project	Project Description	Classification	Service Area	2015 LTD Budget	Committed	Uncommitted	Expected Completion	Explanation
PD1129-15	DOWNTOWN STREET TREE PLANTING	Life Cycle Renewal	Planning	225,000	0	225,000	Q4 2019	Funds for design of Wellington Road downtown corridor and implementation. Schedule delayed due to land negotiations and rapid transit EA decisions. Hopeful that implementation can proceed in 2019.
PD1173-14	2014 SPRINGBANK PARK UPGRADES	Life Cycle Renewal	Planning	160,000	144,346	15,654	Q3 2019	Funds for staircase replacement at Springbank Park. Detailed design in progress. Tender/construction will likely be deferred until 2019 due to contractor/industry availability.
PD1213	ARCHAEOLOGICAL MASTER PLAN	Life Cycle Renewal	Planning	75,000	64,636	10,364	Q4 2018	The Archaeological Management Plan [AMP] was approved by Council July 17, 2017. The Official Plan/London Plan needs to be amended to include this AMP, and that task is scheduled to be completed before the end of 2018. Remaining funds are allocated to the implementation of the Plan after adoption.
PD1282-14	2014 MAINTAIN NEIGHBOURHOOD	Life Cycle Renewal	Planning	516,506	504,780	11,726	Q4 2018	Remaining budget will support 2018 accessibility improvements in neighbourhood parks.
PD1282-15	MAINTAIN NEIGHBOURHOOD PARKS	Life Cycle Renewal	Planning	220,000	221,316	(1,316)	Q4 2020	Funding for neighbourhood park upgrades to Carfrae Park - on hold awaiting One River EA to be completed.
PD2063-15	MAINTAIN OPEN SPACE	Life Cycle Renewal	Planning	270,000	151,419	118,581	Q4 2019	\$33k of remaining balance earmarked for White Oaks pathway (lighting) - design completed and construction to be completed in 2018. \$85k of remaining balance for Lambeth boardwalk (waiting for potential federal infrastructure funding).
PD2134	2009 MAINTAIN THAMES VALLEY	Life Cycle Renewal	Planning	308,494	305,711	2,783	Q4 2018	Kiwanis Park pathway project. Project under construction - to be completed summer 2018.
PD2135-13	2013 MAINTAIN THAMES VALLEY	Life Cycle Renewal	Planning	235,686	229,796	5,890	Q4 2018	Kiwanis Park pathway project. Project under construction - to be completed summer 2018.
PD2243-14	2014 MAINTAIN ENVIRO SIGNIF	Life Cycle Renewal	Planning	237,878	187,551	50,327	Q4 2018	Remaining funding to support pathway development in Medway Valley (waiting for realty services agreement which was finalized Jun. 2018).
PD2243-15	MAINTAIN ENVIRONMENTALLY	Life Cycle Renewal	Planning	287,667	314,643	(26,976)	Q3 2018	Work ongoing related to Medway Valley ESA Phase 2 Master Plan and Coves ESA stream restoration. Deficit to be corrected by transferring funds from PD2243-14 (\$27k).
PD2324-14	BLK 14 MUN OWNED HERITAGE BLGS	Life Cycle Renewal	Planning	280,337	282,038	(1,701)	Q4 2018	Final payment to Consultant required before closing.
PD2400	PARK FARM TRUST FUND	Life Cycle Renewal	Planning	91,287	80,386	10,901	Beyond	Trust Fund bequeathed in 1990 "for the purpose of such park including additions thereto" by estate of the last private owner of the municipally-owned heritage property.
PD2754-15	WOODLAND MANAGEMENT	Life Cycle Renewal	Planning	150,000	150,054	(54)	Q4 2018	Funding for woodland management - including invasive species contract. Has been held up due to Forestry staff time associated with implementing new Tree Conservation Bylaw. Currently coordinating approach with contractor.
PD3020	PICCADILLY URBAN PARKS	Life Cycle Renewal	Planning	39,660	33,322	6,338	Q4 2018	Piccadilly Park - had been waiting for Ministry of Environment approvals (received in 2016). Work to be completed in 2018. All available budget will be used.
PD3020-13	2013 MAINTAIN URBAN PARKS	Life Cycle Renewal	Planning	177,134	177,134	(0)	Q4 2018	Piccadilly Park - had been waiting for Ministry of Environment approvals (received in 2016). Work to be completed in 2018. All available budget will be used.
PD3020-15	MAINTAIN URBAN PARKS	Life Cycle Renewal	Planning	200,000	200,000	0	Q1 2019	Funds associated with the construction of Piccadilly Park and Sherwood Park ('The Green'). Work expected to be complete early 2019.
PD3023	5-YEAR OFFICIAL PLAN REVIEW &	Life Cycle Renewal	Planning	650,000	509,094	140,906	Q1 2019	Ongoing program – this program was established to fund the regular work of updating the Official Plan (5 year review program) and Zoning By-law. The funding has occurred over a number of years, prior to the 4-year budget. The outstanding balance will be used for additional consulting work that may be needed relating to The London Plan and the current Ontario Municipal Board Hearing. Unused funds will be transferred to PD2152 for the comprehensive zoning by-law project, targeted for completion by 2021.
TS1027	FORESTRY MTCE-GYPSY MOTH	Life Cycle Renewal	Planning	250,000	232,458	17,542	Q4 2019	Oak Wilt Communications Plan in progress; funding being used to create materials, educational outreach and training.
ID1368	INNOVATION PARK-CLAIMABLE WORK	Growth	City Managers	2,000,000	693,027	1,306,973	Q4 2019	Ongoing ILDS account. Covers Phases 1, 2, 3, and 4. Only Phase 1 is partially assumed. Numerous lots remain to be sold leaving the possibility of more expenses.
TS1032	COMPLETE STREETS GUIDELINE	Growth	Environment & Engineering	100,000	101,059	(1,059)	Q4 2018	Draft Manual has been completed. Comments received from interest groups are being incorporated in the draft Manual. Final report and Council approval expected Q3/4 2018.

Appendix B - Summary of 2015 Life-To-Date Capital Budgets (2015 and prior) Having No Future Budget Requests

Project	Project Description	Classification	Service Area	2015 LTD Budget	Committed	Uncommitted	Expected Completion	Explanation
TS1302-1	COMMISSIONERS ROAD-WONDERLAND	Growth	Environment & Engineering	300,000	295,930	4,070	Q2 2019	EA on track. ESR presented to CWC Aug 2018. Project being coordinated with Byron Pit Secondary Plan.
TS1470	COMMISSIONERS ROAD WIDENING	Growth	Environment & Engineering	14,292,262	14,281,253	11,009	Q2 2019	Construction completed Q4 2016 with restoration works scheduled for Q2 2017. Project warranty expires Q4 2017. Warranty review and repairs to occur Q2 2019.
TS1477-2	HYDE PARK RD WIDENING - PH 2	Growth	Environment & Engineering	15,575,802	15,143,491	432,311	Q1 2020	Construction and warranty works complete. Council directed the addition of traffic signals at Hyde Park Road and South Carriage Road in July 2018. Account to remain open to fund.
TS1481-1	BLK WELLINGTON RD WIDENING-PH 1	Growth	Environment & Engineering	2,800,000	593,507	2,206,493	Beyond	Project is to be coordinated with the BRT EA project.
TS1481-2	BLK WELLINGTON RD WIDENING-PH2	Growth	Environment & Engineering	850,000	0	850,000	Beyond	Project is to be coordinated with the BRT EA project.
TS1481-3	BLK WELLINGTON RD WIDENING-PH3	Growth	Environment & Engineering	550,000	0	550,000	Beyond	Project is to be coordinated with the BRT EA project.
TS2170	BRADLEY FROM OLD VICTORIA	Growth	Environment & Engineering	2,350,000	805,058	1,544,942	Beyond	Possible work to cover Development Charges roadworks associated with a future Innovation Park Phase 5. Limits on Bradley are from Bonder easterly to City Limits. ILD, Transportation and Finance, to discuss.
TS2171	OLD VICTORIA FROM HAMILTON TO	Growth	Environment & Engineering	2,110,000	1,300,920	809,080	2022	TS2171-2. Upgrade to 2 lane rural arterial to accommodate increased traffic and alignment/structural issues.
TS4160	TRAFFIC SIGNALS & STREET LIGHT	Growth	Environment & Engineering	1,259,000	1,256,796	2,204	Q4 2018	Project will be closed after the warranty period has ended.
PD1033-11	2011 NEW DISTRICT PARKS	Growth	Planning	440,000	422,154	17,846	Q4 2019	Ongoing land/building assumption delay. Funds to be used for washroom building upgrade in Riverbend District Park. Developer has not dedicated structure to City as of yet. All of this available funding is needed (plus more recent funding) for the washroom upgrade.
PD1382-15	NEW NEIGHBOURHOOD PARKS	Growth	Planning	260,000	167,251	92,749	Q4 2018	Remaining funds are earmarked for subdivision Neighbourhood Park blocks as follows: \$42k Victoria on the River (2018). \$50k Stanton West (2018). Timing is dependent on developers.
PD2042	2009 NEW MAJOR OPEN SPACE	Growth	Planning	491,500	484,734	6,766	Q4 2018	Remaining funds will be used to address minor deficiencies along the pathway in the Wickerson Development adjacent to Boler Lands (subdivision capital claims recently processed). Remaining work should occur in 2018 requiring all remaining funds.
PD2043-12	2012 NEW MAJOR OPEN SPACE	Growth	Planning	620,000	535,208	84,792	Q4 2019	Surplus funding associated with Talbot/Bostwick pathway/trail connections, which may be required for other open space linkages servicing same growth area - TBD in 2018.
PD2043-13	2013 NEW MAJOR OPEN SPACE	Growth	Planning	400,000	304,331	95,669	Q4 2019	Boler Lands & Wickerson stormwater management facility pathway connections. Stormwater Management Division (SWM) is leading storm pond construction. All of the funding will be used. Timing for pathway is subject to City SWM Division schedule, subdivision developers and easements being finalized across Boler Lands. Timing is TBD, but we are hopeful that all aspects are finalized in 2018 allowing for implementation in 2019.
PD2043-14	2014 NEW MAJOR OPEN SPACE	Growth	Planning	350,000	51,032	298,968	Q4 2019	Funding for subdivision developer open space linkages - waiting for developers in order to proceed. \$100k for West Byron/SWM connections. \$198k for Lambeth P9 facility and surrounding development.
PD2043-15	NEW MAJOR OPEN SPACE NETWORK	Growth	Planning	700,000	387,460	312,540	Q4 2019	\$100k of funding for Richmond North Pedestrian Bridge detailed design (currently held up with Part II order EA bump-up request). \$220k funding for Stoney Creek Open Space (\$120k - Marsman Development, \$100k - Windermere connection to Stoney Creek as per Environmental Assessment).
PD2082	MEADOWLILLY AREA PLANNING STUDY	Growth	Planning	520,000	391,114	128,886	Q4 2019	Meadowlilly Secondary Plan was initiated in response to an application to designate and zone lands adjacent to Meadowlilly for commercial development. A significant amount of work has been completed to date – including consulting reports, environmental studies, public consultation, etc. Project was put on hold to dedicate limited staff resources to other higher priority projects when the initial applicant changed plans and the area's commercial potential diminished. Since the Meadowlilly Study has not been re-initiated it is unclear whether all of the funds will be required. The major issue is related to transportation matters and a possible EA to determine options for interchange improvements.

Appendix B - Summary of 2015 Life-To-Date Capital Budgets (2015 and prior) Having No Future Budget Requests

Project	Project Description	Classification	Service Area	2015 LTD Budget	Committed	Uncommitted	Expected Completion	Explanation
PD2124-11	2011 NEW THAMES VALLEY PARKWAY	Growth	Planning	400,000	381,933	18,067	Q4 2018	Funding associated with CN crossing at Kiwanis Park. Remaining funds will be used to support 2018 natural playground installation beside TVP.
PD2124-12	2012 NEW THAMES VALLEY PARKWAY	Growth	Planning	50,000	0	50,000	Q4 2018	Land Assumption Delay - Funds for TVP at Victoria on the River. TVP constructed, but land not assumed and capital claim not processed as of yet.
PD2124-13	2013 NEW THAMES VALLEY PARKWAY	Growth	Planning	500,000	16,303	483,697	Q4 2019	Land Assumption Delay - \$85k for TVP extension east of Highbury in Edgevalley Development. Remaining \$400k for Victoria on the River TVP (which is complete, but capital claim not processed) and for Hamilton Road underpass (waiting for land acquisition).
PD2124-15	NEW THAMES VALLEY PATHWAY	Growth	Planning	1,175,000	177,992	997,008	Q4 2019	\$297k for Old Victoria Hospital Lands TVP - design in progress. \$150k for Victoria on the River & Hamilton Underpass - land acquisition delay. \$450k for Byron TVP Connection - RFP pending. \$100k for Highbury to Clarke - delayed by developer.
PD2181-15	NEW SPORTSPARK	Growth	Planning	150,000	125,720	24,280	Q4 2019	Funding to support field house/pathway connections in Riverbend Park. Delayed due to building ownership issues that are currently in the process of being resolved.
PD2230-15	NEW FIELD HOUSES	Growth	Planning	150,000	23,775	126,225	Q4 2019	Funding for Riverbend fieldhouse - Delayed due to building ownership issues that are in the process of being resolved.
PD2253	2010 NEW ENVIRO SIGNIF AREAS	Growth	Planning	260,000	232,060	27,940	Q4 2019	Remaining funds associated with progressing Meadowlily Ph. 2 Master Plan currently on hold. Funds may be reallocated to other Meadowlily priorities in 2019.
PD2253-12	2012 NEW ENVIRO SGNIF AREA	Growth	Planning	290,000	170,000	120,000	Q4 2019	Meadowlily ESA Ph. 2 Master Plan & implementation - delayed due to Conservation Master Plan Ph. 1 completion timeline.
PD2253-13	2013 NEW ENVIRO SIGNIF AREA	Growth	Planning	280,000	258,982	21,018	Q2 2019	Land acquisition delays. Funds to be used to complete pathway/trail system in subdivisions. Hoping to complete fall 2018.
PD2253-15	NEW ENVIRONMENTALLY	Growth	Planning	15,000	0	15,000	Q2 2019	Land acquisition delays. Funds to be used to complete pathway/trail system in subdivisions. Hoping to complete fall 2018.
PD2765-15	NEW WOODLAND PARKS	Growth	Planning	60,000	0	60,000	Q4 2018	Development Charges funding to implement woodland management plan for new woodlot in Foxfield area (Foxfield Woods). Plan to complete by end of 2018.
PD3019-13	2013 NEW URBAN PARKS	Growth	Planning	100,000	30,019	69,981	Q2 2019	Talbot Village Urban Park. Had been waiting for adjacent school and Site Plan apartment block designs to be finalized. Detailed design in process with construction anticipated in 2018/19. The park will cost approximately \$245k - funding is sourced from this account and the 2015 budget.
PD3019-15	NEW URBAN PARKS	Growth	Planning	350,000	0	350,000	Q2 2019	Talbot Village Urban Park. Had been waiting for adjacent school and Site Plan apartment block designs to be finalized. Detailed design in process with construction anticipated in 2018/19. The park will cost approximately \$245k - funding is sourced from this account and the 2013 budget.
GG1730HB	RETENTION OF HERITAGE BLDGS	Service Improvement	City Managers	500,000	438,789	61,211	Q1 2019	South Street site maintenance required until final settlement of land sale.
ID1110	TRAFALGAR INDUSTRIAL PARK	Service Improvement	City Managers	4,062,233	3,788,987	273,246	Q4 2020	Park is fully assumed for operational costs. Some lots remain to be sold so the possibility of future capital expenses remains until all lots are sold.
ID1140	RIVER ROAD INDUSTRIAL LANDS	Service Improvement	City Managers	3,306,000	3,166,800	139,200	Q4 2020	Park is fully assumed for operational costs. Some lots remain to be sold so the possibility of future capital expenses remains until all lots are sold.
ID1141	RIVER RD OUTLET SWR IND PARK	Service Improvement	City Managers	2,563,303	2,418,825	144,478	Q4 2020	Park is fully assumed for operational costs. Some lots remain to be sold so the possibility of future capital expenses remains until all lots are sold.
ID1166	OXFORD STREET BUSINESS PARK	Service Improvement	City Managers	1,983,291	459,064	1,524,227	Q4 2018	Awaiting potential claim from purchaser.
ID1167	FOREST CITY IND PARK	Service Improvement	City Managers	4,202,798	3,427,953	774,845	Q4 2020	Project for new sanitary along Wilton Grove Rd. Expected construction in 2018 and 2019.
ID1168	INNOVATION PARK	Service Improvement	City Managers	25,449,637	24,754,049	695,588	Q4 2019	Ongoing ILDS account. Covers Phases 1, 2, 3, and 4. Only Phase 1 is partially assumed. Numerous lots remain to be sold leaving the possibility of more expenses.
ID1168-3A	INNOVATION PARK - DR OETKER	Service Improvement	City Managers	385,000	296,846	88,154	Q4 2019	Ongoing ILDS account. Possible future engineering assignment due to additional lands under option.
ID1170	HURON INDUSTRIAL PARK	Service Improvement	City Managers	6,012,553	5,227,665	784,888	Q4 2020	Ongoing ILDS account. Possible future engineering assignment due to additional lands under option.
SW6023	COMMUNITY ENVIRO DEPOTS	Service Improvement	Environment & Engineering	1,500,000	43,740	1,456,260	Q4 2020	Project is on hold pending Ministry of Environment, Conservation and Parks legislation development.

Appendix B - Summary of 2015 Life-To-Date Capital Budgets (2015 and prior) Having No Future Budget Requests

Project	Project Description	Classification	Service Area	2015 LTD Budget	Committed	Uncommitted	Expected Completion	Explanation
SW6047	MATERIAL RECOVERY FACILITY	Service Improvement	Environment & Engineering	22,459,660	22,375,572	84,088	Q1 2019	Quotation for asphalt repairs has been developed and will be released in summer/fall 2018.
TS1325	VETERANS MEMORIAL SOUTH	Service Improvement	Environment & Engineering	1,148,811	816,304	332,507	Q2 2019	Currently under construction with completion anticipated by the end of June 2018. Account required to cover realty costs from expropriation.
TS4011	TRAFFIC SIGNAL UPGRADE	Service Improvement	Environment & Engineering	3,643,040	3,506,722	136,318	Q4 2018	The installation of the traffic signal system is complete. The balance of the budget is to be used to replace the communication system originally installed when the signal system was installed. A new communication system will reduce annual operating costs.
TS4209	IMPROVED PARKING TECHNOLOGY	Service Improvement	Environment & Engineering	300,000	232,620	67,380	Q4 2019	Parking Services is currently working ITS and the vendor however there have been some technical delays with regards to items like security, process and resources. There are several modules and this is a complex project. Many modules are complete, others in process and some just initiated. To ensure the City is protected and the customer experience is improved the project needs to be in a careful controlled manner.
TS5031	TRANSPORTN DEMAND MNG	Service Improvement	Environment & Engineering	320,750	301,167	19,583	Q4 2018	This project has an overall variance of \$150,000 (\$19,583 + \$130,000). \$100,000 of these funds are assigned to 2 projects under Public Transit Infrastructure Fund (PTIF) for 2017 and 2018. The remaining funds, about \$50,000, are assigned to capital expenditures under the Transportation Demand Management (TDM) Program and will be used in 2017 and 2018 to coincide with outcomes Public Transit Infrastructure Fund projects and related TDM capital expenditures.
PD2633	DEVELOPMENT OF INFORMATION	Service Improvement	Housing Social Services & Dearness Home	200,000	134,579	65,421	Q4 2019	Project delayed due to complexities of the software development and the process of working with 7 other Service Managers for approvals, etc. Project budget expected to be fully spent to complete the project.
PP1025	INTERFACE & MOBILE DATA	Service Improvement	Neighbourhood Children & Fire Services	1,000,000	395,236	604,764	Q3 2019	On receiving budget approval from Council, Fire Services submitted a project request to ITS. Following a review of the LFD's high level needs assessment, ITS dedicated a staff member in late November 2016 to lead this project. Vendor selection in 2017 had to be revisited because of information security concerns identified by ITS. A vendor of choice has been approved by Council and work is proceeding. Meanwhile, a number of significant sub-projects to be phased in within this master project are in progress.
PP1033	APPARATUS HOIST	Service Improvement	Neighbourhood Children & Fire Services	175,000	0	175,000	Q4 2018	The project was delayed pending completion of labour contract negotiations. LFD has initiated this project with Facilities. Engineering is in progress and a tender was issued Q2 2018.
PP4490	BUSINESS INTELLIGENCE SOFTWARE	Service Improvement	Neighbourhood Children & Fire Services	226,007	186,804	39,203	Q2 2019	Business intelligence component of this project is complete, however Incident Analyst piece was delayed. Remaining funds will be used as part of project PP1025 as these projects are related. \$10k allocated for training to be spent in 2018.
PD1015	SOUTH STREET CAMPUS REDEV	Service Improvement	Planning	155,000	119,994	35,006	Q2 2019	This account has been used to pay for a variety of consulting services over several years as required to prepare the Old Victoria Hospital Lands for sale, including an Environmental Impact Study, an assessment of heritage resources, and preparation of a stabilization plan for heritage resources. Some additional consulting work is anticipated in 2018 and 2019.
PD1018	SMART CITY STRATEGY	Service Improvement	Planning	125,000	127,200	(2,200)	Q4 2019	Phases 1 and 2 are 95% complete. Strategy to be completed in 2019.
PD1145	PLACEMAKING DESIGN GUIDELINES	Service Improvement	Planning	100,000	100,091	(91)	Q4 2018	Urban Design Review project has been delayed. Funds will be used in 2018 for Urban Design Guidelines.
Wastewater & Treatment Rate Supported Budget								
ES2414-13	BLK 2013 SEWER REPLACEMENT	Life Cycle Renewal	Environmental & Engineering	9,214,140	9,175,173	38,967	Q3 2018	Final deficiencies being completed on one job. Once complete, remaining funds will be used to fund future work in this program.
ES2414-14	BLK 2014 SEWER REPL PROGRAM	Life Cycle Renewal	Environmental & Engineering	13,411,823	13,412,296	(473)	Q4 2019	Most projects are in warranty period, final restorations and deficiencies being addressed.
ES2414-15	BLK SEWER REPLACEMENT PROGRAM	Life Cycle Renewal	Environmental & Engineering	11,657,320	11,657,319	1	Q4 2018	Most projects are in warranty period, will be closed late 2018.

Appendix B - Summary of 2015 Life-To-Date Capital Budgets (2015 and prior) Having No Future Budget Requests

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ES2428-14	2014 EROSION REMEDIATION	Life Cycle Renewal	Environmental & Engineering	604,971	620,427	(15,456)	2021	2014 budget covered design and construction for 3 Pilot Low Impact Developments (LIDs) projects which are complete. Project includes funding for Fish Habitat Bank Monitoring until 2021.
ES2488	WEST LONDON DYKES	Life Cycle Renewal	Environmental & Engineering	2,429,439	2,023,214	406,225	Q4 2018	Phase 4 of West London Dykes to be constructed by Q4 2018 Associated with Upper Thames River Conservation Authority (UTRCA) Remediating Flooding.
ES3045	HORTON SANITARY SEWER UPGRADES	Life Cycle Renewal	Environmental & Engineering	480,000	257,850	222,150	Q2 2019	Project funding being used to support the current cleaning operation utilizing in-house Sewer Operations staff.
ES3073	DINGMAN PUMPING STATION AND	Life Cycle Renewal	Environmental & Engineering	3,596,921	3,597,085	(164)	Q4 2018	Class EA was completed and reported to Civic Works Committee for future Dingman pumping station. Waiting on final documents.
ES3106	COMMISSIONERS ROAD SEWER	Life Cycle Renewal	Environmental & Engineering	918,000	922,382	(4,382)	Q4 2018	Currently completing deficiency resolution. Full contingency will be required resulting in a slight negative variance at the conclusion of the project.
ES4825-11	2011 MUNICIPAL DRAIN	Life Cycle Renewal	Environmental & Engineering	943,073	454,959	488,114	Q2 2019	Several drainage reconstruction projects supported through this program are in various stages of completion.
ES4834-11	2011 MUNICIPAL DRAIN MTCE	Life Cycle Renewal	Environmental & Engineering	203,614	117,114	86,500	Q4 2018	Projects completed as planned and remaining funds have been moved forward to the 2017 project to complete works in future years. Projects to be closed once "Other" sources of financing have been received.
ES4834-14	2014 MUNICIPAL DRAIN MTCE	Life Cycle Renewal	Environmental & Engineering	190,000	30,246	159,754	Q4 2018	Projects completed as planned and remaining funds have been moved forward to the 2017 project to complete works in future years. Projects to be closed once "Other" sources of financing have been received.
ES6066	DINGMAN PUMPING STATION HEADER	Life Cycle Renewal	Environmental & Engineering	500,000	55,121	444,879	Q4 2020	Dingman Pumping Station currently in design.
ES6074	POTTERSBERG WWTP CSO AND INLET	Life Cycle Renewal	Environmental & Engineering	2,798,500	398,799	2,399,701	Q3 2020	Project will be undertaken along with others as a result of Vauxhall-Pottersburg Optimization.
ES2682	DINGMAN EROSION CONTROL AND	Growth	Environmental & Engineering	9,344,333	6,867,266	2,477,067	Q4 2018	Project significantly complete, awaiting final invoice. Project significantly under budget due to favourable tender pricing.
ES2685	GREENWAY EXPANSION	Growth	Environmental & Engineering	46,143,000	44,550,002	1,592,998	Q4 2019	Greenway expansion and upgrade in progress. Due for completion mid to end of 2018, warranty period will extend until end of 2019. Approximately 95% complete.
ES3020-FH1	SWM FACILITIES - FOXHOLLOW 1	Growth	Environmental & Engineering	4,719,450	4,686,650	32,800	Q4 2018	Project completed as planned with full contingency funds not required. Remaining funds to be returned to Development Charges reserve fund once final invoices are received and processed.
ES3020-HP6	SWM FACILITY - HYDE PARK NO 6	Growth	Environmental & Engineering	2,416,700	1,371,954	1,044,746	Q4 2019	This project may be updated in 2019 based on the outcome of the Hyde Park Environmental Assessment (EA) Addendum to be completed in Q3 2018. Original EA recommendations for this facility needed to be reassessed based on changing conditions in the subwatershed.
ES3020-PD2	SWM FACILITY- PINCOMBE DRAIN 2	Growth	Environmental & Engineering	2,456,700	0	2,456,700	Q4 2018	This project was constructed by the developer as a temporary Stormwater Management facility at their own cost prior to completion of an Environmental Assessment (EA) process prior to 2011. EA process concluded in 2014 and identified as a permanent facility. Awaiting a claim to be filed by the Developer for payment for design and construction of this stormwater pond.
ES4402	EXTENSION OF THE STONEY CREEK	Growth	Environmental & Engineering	4,950,058	4,238,407	711,651	Q2 2019	Project completed by developer, awaiting final claim but will release uncommitted funds back to Development Charges reserve.
ES5016	WONDERLAND PUMPING STATION	Growth	Environmental & Engineering	356,955	195,072	161,883	Q3 2018	Study work in progress. Remaining funding will be used to install temporary Septage receiving facility.
ES5253	RIVERBEND TRUNK SANITARY SEWER	Growth	Environmental & Engineering	2,117,966	261,620	1,856,346	Q4 2020	Schedule delay due to sewer construction timing linked to construction of adjacent stormwater management facility and timing of local subdivision development.
ESSWM-DCB4	SWM FACILITY DINGMAN CREEK	Growth	Environmental & Engineering	3,638,342	1,904,926	1,733,417	Q4 2019	Construction complete, completion date reflects warranty period. Significantly under budget due to favourable tender pricing, remaining funds to return to Development Charges Reserve.
ESSWM-HP5	SWM FACILITY - HYDE PARK NO 5	Growth	Environmental & Engineering	6,517,700	365,728	6,151,972	Q4 2019	This project may be updated in 2019 based on the outcome of the Hyde Park Environmental Assessment (EA) Addendum to be completed in Q3 2018. Original EA recommendations for this facility needed to be reassessed based on changing conditions in the subwatershed.

Appendix B - Summary of 2015 Life-To-Date Capital Budgets (2015 and prior) Having No Future Budget Requests

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ESSWM-MM4	SWM FACILITY-MURRAY MARR 4	Growth	Environmental & Engineering	2,100,000	166,410	1,933,590	2022	Dingman Creek Environmental Assessment (EA) is currently underway for completion in Q1 2019. Timing of the construction to be defined following EA completion.
ESSWM-SB	SWM FACILITY-WICKERSON NO S-B	Growth	Environmental & Engineering	2,787,549	2,793,315	(5,766)	Q4 2020	Construction complete with date reflective of warranty period and post construction environmental monitoring by consultants for 3 years as per regulatory authority permits.
ID2056	SKYWAY IND PARK-SWR OVRISIZG	Growth	Environmental & Engineering	938,000	811,728	126,272	Q4 2019	Future oversizing as lots develop.
ID2058	INNOVATION PARK-SWR OVERSIZING	Growth	Environmental & Engineering	8,265,000	7,416,836	848,164	Q4 2019	Ongoing ILDS account. Covers Phases 1, 2, 3, and 4. Only Phase 1 is partially assumed. Numerous lots remain to be sold.
ID2156	SKYWAY IND PARK-SWR LOCAL	Growth	Environmental & Engineering	1,036,000	965,796	70,204	Q4 2019	Possible servicing extension due to local industrial development.
ES1721	ECONOMIC DEVELOPMENT	Service Improvement	Environmental & Engineering	8,531,194	7,648,805	882,389	Q3 2018	Future work related to the water technology centre. This project was extended due to damage that occurred to the system prior to full acceptance. The repairs are mostly complete and final deficiencies are being resolved.
ES2442-15	EXTENSION OF SANITARY SERVICES	Service Improvement	Environmental & Engineering	23,440	23,440	(0)	Q4 2019	Project retendered in 2018 and currently under construction.
ES2463	PPCP AND DOWNTOWN STRATEGY	Service Improvement	Environmental & Engineering	1,500,000	1,118,618	381,382	Q3 2018	Phase 3 of 3 of multi-year project nearing completion, awaiting final invoicing.
ES2464-14	BLK COMBINED SEWER SEPARATION	Service Improvement	Environmental & Engineering	6,352,806	6,352,805	1	Q4 2019	Projects nearing completion. One project left in warranty period and final work is delayed in the other open project.
ES2469	SOUTHLAND POLLUTION CONTROL	Service Improvement	Environmental & Engineering	1,550,000	1,348,120	201,880	Q2 2019	Construction is complete, currently in warranty period, and full contingency not required.
ES2485	OLD OAK SERVICING (FORMER)	Service Improvement	Environmental & Engineering	3,360,000	1,205,106	2,154,894	beyond	Development Charges Project, on hold subject to completion of the Dingman Creek Environmental Assessment (EA). Dingman EA anticipated to be completed Q1 2019.
ES2486	WONDERLAND RD DITCH REMEDN WRK	Service Improvement	Environmental & Engineering	1,770,028	336,487	1,433,541	2022	Dingman Creek Environmental Assessment (EA) is currently underway for completion in Q1 2019. Timing of this project to be defined following EA completion.
ES3040-14	2014 MINOR SURFACE FLOODING	Service Improvement	Environmental & Engineering	357,768	102,393	255,375	Q4 2019	Birchwood Drive surface flooding improvements currently delayed in legal proceedings. Birchmount St. Flooding – reviewing possible source of flooding. Projects to be progressed in 2018.
ES3054	BURBROOK TRUNK STORM SEWER	Service Improvement	Environmental & Engineering	16,101,847	16,009,878	91,969	Q3 2018	Bulk of funding dedicated to two major projects (Burbrook Trunk Tunnel & Kellogg/Florence Reconstruction) and those were constructed in 2016. Outstanding deficiency with asphalt being resolved in 2018.
ES3087	HURON INDUSTRIAL PARK SERVICE	Service Improvement	Environmental & Engineering	1,122,673	421,110	701,563	Q4 2020	Finishing up Master Servicing study. Will roll into Stormwater Management Facility EA for 2019.
ES5143	HAULED LIQUID WASTE RECEIVING	Service Improvement	Environmental & Engineering	1,000,000	809,357	190,643	Q4 2019	Feasibility study underway for improved septage receiving at Dingman/Wonderland. This project will proceed in conjunction with other work at Dingman Pumping Station; currently in design, construction to commence in 2019.
ES5234	ADELAIDE WASTEWATER TREATMENT	Service Improvement	Environmental & Engineering	1,898,500	20,148	1,878,352	2022	Will be coordinated with expansion and tied in with phosphorus upgrades which will likely be required as a result of legislation.
ES6089	APPLEGATE SWMF REMEDIATION	Service Improvement	Environmental & Engineering	280,000	276,688	3,312	Q4 2020	Consulting project related to a separate Clean Water Wastewater Funding project tendered in Q1 2018. Construction expected to be complete Q4 2018. Warranty to Q4 2020.
ID2058-3A	INNOVATION PARK - SEWER	Service Improvement	Environmental & Engineering	315,000	242,145	72,855	Q4 2019	Ongoing ILDS account. Possible future engineering assignment due to additional lands under option.
Water Rate Supported Budget								
EW3526	ARVA PUMPNG STATION ANNUAL	Life Cycle Renewal	Environmental & Engineering	1,925,189	1,875,189	50,000	Q4 2018	Funding used to maintain the Arva Pumping Station.

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EW3540	ELGIN MIDDLESEX PUMPING	Life Cycle Renewal	Environmental & Engineering	1,800,000	1,800,123	(123)	Q4 2018	The pumping stations and reservoirs become fully operational in September 2017 and SCADA has been implemented. The modifications to the Elgin Middlesex Pumping Station are complete and project is in warranty period.
EW3572	COMMISSIONERS ROAD WATERMAIN	Life Cycle Renewal	Environmental & Engineering	1,050,000	1,055,000	(5,000)	Q4 2018	Work constructed in 2016, final deficiency being resolved in 2018.
EW3765-14	BLK 2014 MAIN REPLACEMENT	Life Cycle Renewal	Environmental & Engineering	7,900,963	7,900,963	0	Q4 2018	The main replacement program is a long term program for the replacement of watermains and water services. Many replacement projects take multiple years to complete. It is anticipated that all of the funding will be utilized.
EW3765-15	BLK MAIN REPLACE ENGINEERING	Life Cycle Renewal	Environmental & Engineering	6,659,470	6,659,469	1	Q4 2019	The main replacement program is a long term program for the replacement of watermains and water services. Many replacement projects take multiple years to complete. Expect to fully use funds to complete these projects.
EW3787-15	BLK MAIN REPLACEMENT WITH MJR	Life Cycle Renewal	Environmental & Engineering	1,517,213	1,517,213	(0)	Q4 2019	The main replacement program is a long term program for the replacement of watermains and water services. Many replacement projects take multiple years to complete. Expect to fully use funds to complete these projects.
EW3833-14	BLK 2014 MAIN REPLACEMENT MTCE	Life Cycle Renewal	Environmental & Engineering	939,626	939,626	(0)	Q4 2018	Currently in warranty period, variance will be returned to original source after expiry of warranty.
EW3614	SE PUMPING STATION-RESERVOIR	Growth	Environmental & Engineering	55,728,118	54,954,501	773,617	Q4 2018	Project substantially completed. Works still being undertaken for operational improvements by end of 2018.
EW3628	EXPANSION OF SOUTHEAST	Growth	Environmental & Engineering	2,700,000	226,052	2,473,948	Q4 2019	Tender in 2018 for construction. Previous tender produced an irregular result and was rejected based on one bidder and high prices. This has delayed completion of this project.
EW3772-15	WATER EFFICIENCY PROGRAM	Growth	Environmental & Engineering	350,000	347,112	2,888	Q4 2018	Work completed as planned, remaining funds to be rolled forward to 2017 program once final invoice have been received and processed.
EW3619	WHITE OAK PUMPING STATION	Service Improvement	Environmental & Engineering	700,000	36,912	663,088	Q2 2019	Class Environmental Assessment for the demolition commenced in Q2 2018. Timing of work is dependent on other planned Capital Works in the vicinity of the site.
Total				448,271,861	389,710,653	58,561,208		

Appendix C – Completed Capital Projects (as of June 30, 2018)

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						Rate Supported			Non-Rate		
						Capital Levy	Debt	Reserve Fund	Reserve Fund	Debt	Other
TAX SUPPORTED											
GG1530 Cat Adoption Centre	Lifecycle	569,160.00	512,708.74	56,451.26	Project under budget due to favourable tender results along with full contingency not required.			56,451.26			
PD1023-15 Maintain District Parks	Lifecycle	334,559.00	333,067.30	1,491.70		1,491.70					
PD2324-13 Municipally Owned Heritage Buildings	Lifecycle	459,383.00	460,802.18	(1,419.18)		(1,419.18)					
SW6014-15 W12A Ancillary	Lifecycle	18,538.00	18,537.78	0.22				0.22			
PD261816 Public Housing Major Upgrades	Lifecycle	2,208,000.00	2,208,000.00	-				-			
GGAPPL1704 Escribe	Lifecycle	22,896.00	22,896.01	(0.01)		(0.01)					
GGAPPL1702 F5 ASM Application	Lifecycle	39,270.00	39,269.64	0.36		0.36					
TS3093-14 Parks Major Upgrades	Lifecycle	178,013.00	178,013.40	(0.40)		(0.40)					
TS3093-15 Parks Major Upgrades	Lifecycle	445,176.00	445,176.31	(0.31)		(0.31)					
TS309317 Parks Major Upgrades	Lifecycle	538,137.00	538,137.44	(0.44)		(0.44)					
RC2401 Covent Garden Market Outdoor Rink Canada 150	Lifecycle	450,000.00	474,173.37	(24,173.37)		(24,173.37)					
GGINFRA1801 UPS Data Closet - City Hall	Lifecycle	15,000.00	15,169.34	(169.34)		(169.34)					
GGMOD1803 Point to Point Radios	Lifecycle	29,374.00	29,374.27	(0.27)		(0.27)					
GGENDUSERF Committee Room Upgrades	Lifecycle	93,016.00	93,015.89	0.11		0.11					
TS6200-15 Operation Facilities	Lifecycle	771,646.00	770,295.07	1,350.93		1,350.93					
TS1763-15 Bridges Major Upgrades	Lifecycle	2,698,848.00	2,698,848.45	(0.45)				(0.45)			
TS331016 Road Surface Treatment	Lifecycle	696,676.00	696,675.60	0.40		0.40					
TS3093MFH Mornington Field House & Parking Lot Upgrades	Lifecycle	366,372.00	366,371.57	0.43		0.43					
TS4058-15 Traffic Calming Program	Lifecycle	140,334.00	150,164.63	(9,830.63)		(9,830.63)					
GG184116 Museum London Repairs	Lifecycle	340,000.00	342,118.27	(2,118.27)		(2,118.27)					
PD2755 2017 Woodlot Acquisitions	Lifecycle	244,038.00	241,075.92	2,962.08			2,962.08				
PD2124 New Thames Valley Pathway	Growth	188,433.00	187,505.66	927.34		179.00			748.34		
TS1477-1 Hyde Park Widening-Ph 1 Oxford to CP Rail Crossing	Growth	21,670,000.00	21,343,107.91	326,892.09	Project under budget due to favourable tender results along with full contingency not required.		77,878.09		249,014.00		
GGSERVLN1602 Self Service Portal	Service Improvement	109,619.00	109,619.32	(0.32)		(0.32)					
CS2060 Youth Emergency Shelter	Service Improvement	1,200,000.00	1,200,000.00	-			-				
GG2401 BMO Expansion Funding	Service Improvement	800,000.00	800,000.00	-			-				
GG1558 Purchase & Renovate Normal School	Service Improvement	11,304,918.00	10,917,673.53	387,244.47	Project under budget due to favourable tender results along with full contingency not required.		387,244.47				
TS1498 Hale St/Trafalgar Rd Grade Separation	Service Improvement	16,372,523.00	16,603,018.18	(230,495.18)	Project overrun is due to construction issues and settlement of land costs.	(230,495.18)					
PD2139 Addition of Splash Pad at Queen's Park	Service Improvement	435,000.00	434,758.16	241.84		241.84					
PD27352017 Misc Parkland Acquisition	Service Improvement	353,358.00	353,894.92	(536.92)			(536.92)				
MU118017 Bus Expansion Existing	Service Improvement	1,100,400.00	1,100,400.00	-			-				
MU1045 Bus Replacement - 7 buses (PTIF) (Note 1)	Service Improvement	4,000,000.00	3,962,745.74	37,254.26							37,254.26
TOTAL TAX SUPPORTED		68,192,687.00	67,646,614.60	546,072.40		(264,942.95)	465,122.56	58,876.42	249,762.11	-	37,254.26

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WASTEWATER & TREATMENT											
ES182516 Sewer Video Inspection (CCTV)	Lifecycle	312,518.00	312,517.54	0.46				0.46			
ES2442-14 Exension of Services	Lifecycle	471,794.00	471,794.37	(0.37)				(0.37)			
ES253216 Stormwater Management Facility Remediation Program	Lifecycle	211,392.00	211,392.50	(0.50)				(0.50)			
ES269316 Specialized Sewer Repairs	Lifecycle	3,871,710.00	3,535,770.34	335,939.66	Project under budget due to favourable tender results along with full contingency not required.			335,939.66			
ES304016 Minor Surface Flooding	Lifecycle	90,847.00	90,847.30	(0.30)				(0.30)			
ES4424 Fanshawe Park Road Sewer Replacement	Lifecycle	376,000.00	187,735.39	188,264.61	Project under budget due to favourable tender results along with full contingency not required.				188,264.61		
ES508416 Replacement Equipment Wastewater Treatment Plants	Lifecycle	705,653.00	705,652.93	0.07				0.07			
ES5150-15 Pumping Station Improvements	Lifecycle	632,985.00	633,010.57	(25.57)				(25.57)			
ES2466 Hyde Park Pumping Station Upgrades	Growth	544,250.00	506,014.18	38,235.82					38,235.82		
ES247702 Stoney Creek Remediation and Slope Stability Phase 2	Growth	1,493,158.00	-	1,493,158.00	Project will be re-budgeted in the future as the need arises.			61,369.00	1,431,789.00		
ES2493 Hyde Park Trunk Sanitary Sewer	Growth	5,112,000.00	5,100,619.95	11,380.05				1,510.87	9,869.18		
ES5247 Wonderland Rd South Trunk Sanitary Sewer	Growth	3,536,079.00	2,892,743.42	643,335.58	Project under budget due to favourable tender results along with full contingency not required.			32,162.84	50,693.74	560,479.00	
ES5260 Lambeth Southland Servicing Solution	Growth	8,467,593.00	8,137,633.52	329,959.48	Project under budget due to favourable tender results along with full contingency not required.			2,535.48		327,424.00	
ES2455 Stoney Creek Improvements	Service Improvement	160,000.00	-	160,000.00	Project will be re-budgeted in the future as the need arises.			160,000.00			
ES2465 Highland Green-Basement Flooding Remediation	Service Improvement	189,000.00	-	189,000.00	Project no longer required.						189,000.00
ES6072 Greenvally Drain-Wilton Grove Remediation Works	Service Improvement	1,935,056.00	1,178,398.77	756,657.23	Project under budget due to favourable tender results along with full contingency not required.		395,000.00	361,657.23			
TOTAL WASTEWATER & TREATMENT		28,110,035.00	23,964,130.78	4,145,904.22		-	395,000.00	955,148.87	1,718,852.35	887,903.00	189,000.00

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						Rate Supported			Non-Rate		
						Capital Levy	Debt	Reserve Fund	Reserve Fund	Debt	Other
WATER											
EW161217 Meters & Devices	Lifecycle	509,200.00	509,200.09	(0.09)				(0.09)			
EW3409-13 Pumping Stations Major Repairs	Lifecycle	276,455.00	253,977.97	22,477.03				22,477.03			
EW3409-15 Pumping Stations Major Repairs	Lifecycle	283,459.00	201,100.67	82,358.33	Actual costs came in lower than anticipated as well as scope of work reduced along with full contingency not required.			82,358.33			
EW340916 Pumping Stations Major Repairs	Lifecycle	250,000.00	27,499.34	222,500.66	Actual costs came in lower than anticipated as well as scope of work reduced along with full contingency not required.			222,500.66			
EW3656-2 Wellington Road Area Watermain Replacement-Ph 2 (Thames River to Baseline Rd)	Lifecycle	2,852,000.00	2,681,713.94	170,286.06	Work completed as planned, with full contingencies not required.			170,286.06			
EW3702 Fanshawe Park Road Watermain Replacement	Lifecycle	1,842,000.00	1,343,286.84	498,713.16	Actual costs came in lower than anticipated as well as scope of work reduced along with full contingency not required.				498,713.16		
EW3787-13 Main Replacement with Major Roadworks	Lifecycle	3,076,849.00	3,076,849.06	(0.06)				(0.06)			
EWSRAUW Sponsored Research Agreement with University of Western	Lifecycle	75,000.00	75,000.00	-				-			
EW3582 Tillman Road High Level Watermain	Growth	788,182.00	719,787.05	68,394.95	Actual costs came in lower than anticipated.				68,394.95		
EW3590 Uplands Pumping Station Upgrade	Growth	360,000.00	277,816.19	82,183.81	Actual costs came in lower than anticipated.				82,183.81		
EW3697 Southdale Road - Bostwick Rd to Wonderland Road	Growth	769,703.00	451,567.88	318,135.12	Developer led growth funded watermain. Actual costs came in lower than anticipated.				318,135.12		
TOTAL WATER		11,082,848.00	9,617,799.03	1,465,048.97		-	-	497,621.93	967,427.04	-	-
GRAND TOTAL		107,385,570.00	101,228,544.41	6,157,025.59		(264,942.95)	860,122.56	1,511,647.22	2,936,041.50	887,903.00	226,254.26

Notes:

1) The total budget of \$4.0 million for the Bus Replacement program represents \$1.2 million funded by the City, \$2.0 million funding from Provincial Gas Tax and \$0.8 million from PTIF.