



**City of Hamilton**  
**CAPITAL PROJECTS WORKS-IN-PROGRESS REVIEW SUB-**  
**COMMITTEE**

**Meeting #:** 19-003  
**Date:** May 7, 2019  
**Time:** 1:00 p.m.  
**Location:** Council Chambers, Hamilton City Hall  
71 Main Street West

Angela McRae, Legislative Coordinator (905) 546-2424 ext. 5987

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	<b>Pages</b>
<b>1. CEREMONIAL ACTIVITIES</b>	
<b>2. APPROVAL OF AGENDA</b>	
(Added Items, if applicable, will be noted with *)	
<b>3. DECLARATIONS OF INTEREST</b>	
<b>4. APPROVAL OF MINUTES OF PREVIOUS MEETING</b>	
4.1 February 4, 2019	3
<b>5. COMMUNICATIONS</b>	
<b>6. DELEGATION REQUESTS</b>	
<b>7. CONSENT ITEMS</b>	
<b>8. PUBLIC HEARINGS / DELEGATIONS</b>	
<b>9. STAFF PRESENTATIONS</b>	
<b>10. DISCUSSION ITEMS</b>	
10.1 Public Works - Capital Projects Status Report as of December 31, 2018 (FCS18077(b)) (City Wide)	5

11. MOTIONS
12. NOTICES OF MOTION
13. GENERAL INFORMATION / OTHER BUSINESS
14. PRIVATE AND CONFIDENTIAL
15. ADJOURNMENT



Hamilton

**CAPITAL PROJECTS WORK-IN-PROGRESS REVIEW  
SUB-COMMITTEE  
MINUTES 19-002**

1:00 p.m.

February 4, 2019  
Council Chambers  
Hamilton City Hall

**Present:** Councillors M. Pearson (Chair), J.P. Danko (Vice-Chair), N. Nann, and M. Wilson

**Absent:** T. Whitehead

**THE FOLLOWING ITEMS WERE REFERRED TO THE GENERAL ISSUES COMMITTEE FOR CONSIDERATION:**

**1. Public Works - Capital Projects Status Report as of September 30, 2018 (FCS18077(a)) (City Wide) (Item 10.1)**

**(Nann/Danko)**

- (a) That the Capital Projects Status Report, Public Works Tax Supported Projects, as of September 30, 2018, attached as Appendix "A" to Report FCS18077(a), be received;
- (b) That the Capital Projects Status Report, Public Works Rate Supported Projects, as of September 30, 2018, attached as Appendix "B" to Report FCS18077(a), be received.

**CARRIED**

**FOR INFORMATION:**

**(a) CHANGES TO THE AGENDA (Item 2)**

There were no changes to the agenda.

**(Nann/Danko)**

That the agenda for the February 4, 2019 Capital Projects Work-In-Progress Review Sub-Committee meeting be approved, as presented.

**CARRIED**

**(b) DECLARATIONS OF INTEREST (Item 3)**

There were no declarations of interest.

**(c) APPROVAL OF MINUTES OF PREVIOUS MEETING (Item 4)**

**(i) January 28, 2019 (Item 4.1)**

**(Nann/Wilson)**

That the Minutes of the January 28, 2019 meeting of the Capital Projects Work-In-Progress Review Sub-Committee meeting be approved, as presented.

**CARRIED**

**(d) ADJOURNMENT (Item 15)**

**(Wilson/Danko)**

That, there being no further business, the Capital Projects Work-In-Progress Review Sub-Committee, be adjourned at 1:39 p.m.

**CARRIED**

Respectfully submitted,

Councillor Pearson, Chair  
Capital Projects Work-in-Progress  
Sub-Committee

Angela McRae  
Legislative Coordinator  
Office of the City Clerk



**CITY OF HAMILTON**  
**CORPORATE SERVICES DEPARTMENT**  
**Financial Planning, Administration and Policy Division**

<b>TO:</b>	Chair and Members Capital Projects Work-in-Progress Sub-Committee
<b>COMMITTEE DATE:</b>	May 7, 2019
<b>SUBJECT/REPORT NO:</b>	Public Works - Capital Projects Status Report as of December 31, 2018 (FCS18077(b)) (City Wide)
<b>WARD(S) AFFECTED:</b>	City Wide
<b>PREPARED BY:</b>	Abe Chegou (905) 546-2424 Ext. 4047
<b>SUBMITTED BY:</b>	Cindy Mercanti Director, Customer Service and POA Acting Director, Financial Planning and Policy Corporate Services Department
<b>SIGNATURE:</b>	

### RECOMMENDATION(S)

- (a) That the Capital Projects Status Report, Public Works Tax Supported Projects, as of December 31, 2018, attached as Appendix "A" to Report FCS18077(b), be received;
- (b) That the Capital Projects Status Report, Public Works Rate Supported Projects, as of December 31, 2018, attached as Appendix "B" to Report FCS18077(b), be received.

### EXECUTIVE SUMMARY

This Report presents the status of capital projects for the Public Works Tax and Rate Supported Capital Budget and is based on forecasted and committed expenditures to December 31, 2018.

Appendix "A" to Report FCS18077(b) reflects the status of the Public Works Tax Supported Projects totalling \$975.3 M of which \$735.1 M or 75.4% is spent or committed as of December 31, 2018.

Appendix "B" to Report FCS18077(b) reflects the status of the Public Works Rate Supported Projects and consists of projects totalling \$841.5 M of which \$658.6 M or 78.3% is spent or committed as of December 31, 2018.

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*OUR Vision: To be the best place to raise a child and age successfully.*

*OUR Mission: To provide high quality cost conscious public services that contribute to a healthy, safe and prosperous community, in a sustainable manner.*

*OUR Culture: Collective Ownership, Steadfast Integrity, Courageous Change, Sensational Service, Engaged Empowered Employees.*

**SUBJECT: Public Works - Capital Projects Status Report as of December 31, 2018  
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The Table below shows the trend, over the last four years, in project completion percentage.

**Percentage of Completion Comparison as of December 31**

	<b>2018</b>	<b>2017</b>	<b>2016</b>	<b>2015</b>
Tax Supported Program	75.4%	77.5%	81.3%	74.1%
Rate Supported Program	78.3%	77.4%	76.6%	79.7%

**Alternatives for Consideration – Not Applicable**

**FINANCIAL – STAFFING – LEGAL IMPLICATIONS**

Financial: N/A

Staffing: N/A

Legal: N/A

**HISTORICAL BACKGROUND**

The Capital Status and Capital Project Closing reports are submitted to City Council three times a year as of June 30, September 30 and December 31.

On July 10, 2015, Council approved changes to the City’s Capital Project Monitoring Policy. Previously, staff reported on the status of the Capital Work-in-Progress projects to their respective Standing Committees. The amended Policy has staff submit the Status of the Capital Work-in-Progress projects to the Capital Projects Work-in-Progress Sub-Committee.

Previously, on December 14, 2011, Council approved Report FCS11073(a) which directed staff to review the Capital Projects Status and Closing process and that a process where departments report to their respective Standing Committees on the status of the Capital Work-in-Progress projects be implemented. Finance staff finalized a procedure and provided departments with templates to commence Standing Committee reporting for the June 30, 2013 reporting period. Reports are brought forth to Standing Committees three times per reporting year, as of June 30, September 30 and December 31. This allows Standing Committees to review the status of a fewer number of projects, in greater detail, applicable to their area of oversight.

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## **POLICY IMPLICATIONS AND LEGISLATED REQUIREMENTS**

Report FCS18077(b) meets the requirements of the Capital Project Monitoring Policy and Capital Projects Closing Policy including:

- That a Capital Projects Status report be submitted to Capital Projects Work-in-Progress Sub-Committee three times a year as of June 30, September 30 and December 31.

## **RELEVANT CONSULTATION**

All Capital Project managers within Public Works have been consulted on the status of their projects.

## **ANALYSIS AND RATIONALE FOR RECOMMENDATION(S)**

Council approved that capital projects are reviewed in accordance with the City's approved Capital Project Monitoring Policy. For each variance / closure report, staff determines if projects can be closed (inactivated) and also monitors financial activity to ensure that Council is aware of any capital projects which deviate significantly from approved budgeted amounts.

Inactivating completed projects helps to keep the number of capital projects in the financial system to a manageable size and eliminates redundant data from reports. More importantly, it ensures that projects which are complete and / or no longer required do not unnecessarily tie up budget resources that could be re-directed to other needs / capital projects.

The financial information in Report FCS18077(b) is based on spending to December 31, 2018.

## **ALTERNATIVES FOR CONSIDERATION**

Not applicable.

## **ALIGNMENT TO THE 2016 – 2025 STRATEGIC PLAN**

### **Community Engagement and Participation**

Hamilton has an open, transparent and accessible approach to City government that engages with and empowers all citizens to be involved in their community.

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**Economic Prosperity and Growth**

Hamilton has a prosperous and diverse local economy where people have opportunities to grow and develop.

**Built Environment and Infrastructure**

Hamilton is supported by state of the art infrastructure, transportation options, buildings and public spaces that create a dynamic City.

**Our People and Performance**

Hamiltonians have a high level of trust and confidence in their City government.

**APPENDICES AND SCHEDULES ATTACHED**

Appendix “A” – Capital Projects Status Report – Public Works – Tax Supported Projects as of December 31, 2018

Appendix “B” – Capital Projects Status Report – Public Works – Rate Supported Projects as of December 31, 2018.

AC/dt



**City of Hamilton Capital Projects Status Report - Public Works Tax Supported Projects  
 As of December 31, 2018**

YEAR APPROVED	PROJECT ID	DESCRIPTION	APPROVED BUDGET (\$)	ACTUAL EXPENDITURES (\$)	PO COMMITMENTS (\$)	AVAILABLE BALANCE (\$) d = a - b - c	% COMPLETE e = (b+c) / a	Project Manager	STATUS EXPLANATION as of December 31, 2018
			a	b	c	d	e		
<b>Pan-Am Games</b>									
2011	3621154100	Pan Am Games - Ivor Wynne	148,270,297	147,370,718	203,331	696,247	99.5%	Carla Ippolito	Final works to be completed within 12 months
<b>Total Pan-Am</b>			<b>148,270,297</b>	<b>147,370,718</b>	<b>203,331</b>	<b>696,247</b>	<b>99.5%</b>		
<b>Parks &amp; Cemetery</b>									
2014	4241409213*	Public Seating	50,000	12,140	-	37,860	24.3%	K.Bunn	Ongoing bench supply and installation in various locations in Ward 2 Q4 2019
2015	4241509110*	Victoria Park - Resurface Splash Pad	140,000	-	-	140,000	0.0%	A.McDonald	Demo/Rebuild RFT for Refurbishment of spray pad to be completed. Delay due to archeological funding requirements.
2015	4241509720*	Inch Park Initiative	25,000	8,583	-	16,417	34.3%	A.McDonald	Work ongoing and expected completion Q2 2019. Linked with 4241809704 Inch Park Improvement.
2015	4401549002	Marina Pier&Dock Repair-Replc	252,100	226,925	25,344	(169)	100.1%	A.McDonald	Floating structure review ongoing, to be completed Q4 2019.
2016	4241609103*	Upgrades to Dow Parkette	300,000	267,628	-	32,372	89.2%	K.Bunn	Project managed through the Ward Councillors Office directly.
2016	4401611601	Cemetery Roads Rehabilitation Program	95,000	82,128	-	12,872	86.5%	A.McDonald	Project complete, Funds to be reappropriated to 4401911601 to assist with 2019 program.
2016	4401649102	Sports Field Rehab Program	65,000	-	64,887	113	99.8%	A.McDonald	Improvements to various park sport amenities, to be completed Q3 2019
2017	4241709114*	Victoria Park Lighting	80,000	-	-	80,000	0.0%	A.McDonald	Lighting study under review to add Security Lighting along South pathway to be completed Q3 2019
2017	4401711601	Cemetery Roads Rehab Program	80,000	65,000	-	15,000	81.3%	A.McDonald	To be used for Grove Cemetery improvements to be completed Q3 2019
2017	4401741001	Cemetery Building Repairs	75,000	-	-	75,000	0.0%	A.McDonald	Mount Hamilton Cemetery building repairs, expected completion 2020.
2017	4401749104	Security Lighting Program	69,700	3,594	67,800	(1,694)	102.4%	A.McDonald	LED upgrades and replacements to park lighting Q3 2019, specifically Bayfront Parking Lot .
2017	4401749107	Park Fencing Program	100,000	16,946	-	83,054	16.9%	A.McDonald	Funds to be used for Baseball and Multi-use Court Fencing Repairs at Victoria Pk, plus additional sites in Q2/3 2019
2017	4401749510	Spraypad Infrastructure Rehab	116,300	-	-	116,300	0.0%	A.McDonald	Demo/Rebuild RFT for Refurbishment of spray pad to be completed. Delay due to archeological funding requirements.
2017	4401749607	Outdoor Ice Rink Program	35,000	3,960	-	31,040	11.3%	A.McDonald	Outdoor ice rink improvements to be completed Q4 2019
2017	4401749612	Cemetery Id Signs	45,000	31,825	-	13,175	70.7%	A.McDonald	Remaining funds for Grove cemetery sign and entrance improvements, completion Q4 2019

Note: \* Project is partially or fully funded from Area Rating (Wards 1 to 8) reserves.

**City of Hamilton Capital Projects Status Report - Public Works Tax Supported Projects  
As of December 31, 2018**

YEAR APPROVED	PROJECT ID	DESCRIPTION	APPROVED BUDGET (\$)	ACTUAL EXPENDITURES (\$)	PO COMMITMENTS (\$)	AVAILABLE BALANCE (\$) d = a - b - c	% COMPLETE e = (b+c) / a	Project Manager	STATUS EXPLANATION as of December 31, 2018
			a	b	c	d	e		
2017	4401751601	Equipment Acquisitions - DC	363,155	406,893	2,390	(46,127)	112.7%	S.Williams	Payment pending on final purchase. Variance to be mitigated through 4401851601. Project closure Q1 2019.
2017	4401751700	2017 Small Equipment Replace	102,200	38,173	31,807	32,220	68.5%	S.Williams	Inventory count occurring in March, will finalize replacements and purchases by mid Q2 in advance of season starting.
2017	4401752600	Playground Lifecycle Replace	264,100	167,658	-	96,442	63.5%	S.Ames	Reappropriation in process to transfer to 4401952600 to facilitate the 2019 playground replacement program.
2017	4401756001	Leash free Dog Park Program	107,400	98,556	7,000	1,844	98.3%	A.McDonald	PO closure pending. Remaining to be used to facilitate the 2019 leash free dog park program.
2018	4241809103*	Cootes Floating Bridge	45,000	-	-	45,000	0.0%	A.McDonald	Bridge repair at Fishing Pier to be completed Q2 2019
2018	4241809302*	Birge Park	175,000	173,164	4,000	(2,164)	101.2%	A.McDonald	Soft landscape to be completed in Q2 2019.
2018	4241809303*	Lifesavers Park	125,000	109,020	13,483	2,497	98.0%	A.McDonald	Majority of the project is completed, Additional lighting improvements to be completed Q2 2019.
2018	4241809304*	Woodlands Park	100,000	101,760	-	(1,760)	101.8%	A.McDonald	Project completed in Q2 2019. Negative variance to be mitigated from 4401949101.
2018	4241809404*	McQuesten Farm Playground	175,000	163,371	12,885	(1,256)	100.7%	A.McDonald	Project complete, to be closed Q1 2019. PO closures pending.
2018	4241809405*	Leaside Park Playground	50,000	46,123	4,600	(723)	101.4%	A.McDonald	Project complete, to be closed Q1 2019. PO closures pending.
2018	4241809406*	Parkdale School Playground	175,000	164,091	13,419	(2,510)	101.4%	A.McDonald	Project complete, to be closed Q1 2019. PO closures pending.
2018	4241809602*	Fay Park Redevelopment	90,000	91,080	-	(1,080)	101.2%	A.McDonald	Project complete, close and fund negative variance from 4401952100.
2018	4241809704*	Inch Park Improvement	300,000	208,857	37,420	53,723	82.1%	A.McDonald	Capital improvements to address accessibility at Inch Park in Q1/2 2019.
2018	4401811601	Cemetery Roads Rehabilitation	85,000	1,305	-	83,695	1.5%	A.McDonald	Asphalt Paving to be reviewed and replaced or widened at Woodlands & Mount Hamilton Cemeteries in Q4 2019
2018	4401841001	Cemetery Building Repairs	278,199	34,842	10,336	233,021	16.2%	A.McDonald	Mount Hamilton Cemetery building repairs expected completion 2020.
2018	4401849007	Cemetery Columbarium	50,000	21,460	-	28,540	42.9%	A.McDonald	Prepare area of paving & footings at Mount Hamilton Cemetery for future Columbarium in Q3 2019
2018	4401849101	Park Pathway Resurfacing	254,590	159,998	26,748	67,843	73.4%	A.McDonald	Asphalt Paving to be reviewed and replaced or widened at Woodlands & Mount Hamilton Cemeteries in Q4 2019
2018	4401849107	Park Fencing Program	133,650	31,751	-	101,899	23.8%	A.McDonald	Mount Hamilton Cemetery building repairs expected completion 2020.

Note: \* Project is partially or fully funded from Area Rating (Wards 1 to 8) reserves.

**City of Hamilton Capital Projects Status Report - Public Works Tax Supported Projects  
As of December 31, 2018**

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			a	b	c	d	e		
2018	4401849510	Spraypad Infrastructure Rehab	40,000	-	-	40,000	0.0%	A.McDonald	Prepare area of paving & footings at Mount Hamilton Cemetery for future Columbarium in Q3 2019
2018	4401849801	Monitoring & Repairs of the Escarpment & Waterfront	65,000	14,619	-	50,381	22.5%	A.McDonald / K.Bunn	Erosion/culvert study at the Rail Trail, site survey work to be occur in Q2 2019
2018	4401849802	Heritage Green Maintenance building	263,900	155,597	69,269	39,034	85.2%	A.McDonald / K.Bunn	Project ongoing, due to weather delays to be completed Q3 2019.
2018	4401851601	Equipment Acquisitions - DC	247,000	27,825	-	219,175	11.3%	S.Williams	Beach UTV and Wm Connell and Confed to receive tractors and UTVs as new / redeveloped parks.
2018	4401851700	Small Equipment Replacement	75,000	23,690	46,944	4,367	94.2%	S.Williams	Inventory underway and will be spent by end of Q2 for parks season.
2018	4401852100	CSA Safety Material Replacemnt	145,000	85,868	21,379	37,753	74.0%	S.Ames	Wood Fibre supply and install continuing through numerous sites in Q4 of 2019.
2018	4401852600	Playground Lifecycle Replacement	285,550	237,497	-	48,053	83.2%	S.Ames	Pending reappropriation to transfer funds to 4401952600 to facilitate 2019 playground replacement program.
2018	4401855800	QC CA Material Testing	10,000	-	-	10,000	0.0%	A.McDonald	To fund testing in Q1-4 2019
2018	4401855802	Confederation Beach Shoreline Replacement	875,000	153,811	133,902	587,287	32.9%	A.McDonald	Work to continue into Q1/2 2019 for repairs at 4 sites at Confed Beach Pk.
2018	4401856001	Leash free Dog Park Program	80,000	43,452	-	36,548	54.3%	A.McDonald	Review for underserviced Wards, minor improvements in existing leash free areas, completed Q4-2019
2018	7101854812	SC Tennis-Courts Resurfacing	70,000	-	70,000	-	100.0%	K.Bunn	Construction in Q2 2019, weather permitting
<b>Total Parks &amp; Cemetery</b>			<b>6,557,844</b>	<b>3,479,191</b>	<b>663,612</b>	<b>2,415,040</b>	<b>63.2%</b>		

**Forestry & Horticulture**

2015	4241509678*	Mountain Brow Vista Study Plan	278,000	132,050	630	145,320	47.7%	M.Monaghan	Remaining vista clearing and replanting to be completed by Q2 2019
2016	4241609507*	Tree Planting Wrd 5	400,000	293,142	2,941	103,917	74.0%	S.Scarlett	Multi-year Councillor initiated project, Community coordination and Staff Directed programs in progress. Funds are anticipated to be 100% committed by year end 2019
2011	4451153001	Emerald Ash Borer Plan	14,376,631	12,049,935	1,128,261	1,198,435	91.7%	S.Scarlett	Multi-yr. program. 10-yr removal and replanting strategy. Additional funds to this project ID until 2022. Expenditures of the 10-yr life of the program will be as approved by Council
2014	4451451004*	Gage Park Tropical House	5,671,500	5,519,903	152,667	(1,070)	100.0%	S.Scarlett	Construction completion target is Q1 2019.
2016	4451653644	Tree Planting Progrm Wards 3-5	398,910	362,482	-	36,428	90.9%	S.Scarlett	Multi-year Councillor initiated project, Community coordination and Staff Directed programs in progress. Funds are anticipated to be 100% committed by Q3 2019.

Note: \* Project is partially or fully funded from Area Rating (Wards 1 to 8) reserves.

**City of Hamilton Capital Projects Status Report - Public Works Tax Supported Projects  
As of December 31, 2018**

YEAR APPROVED	PROJECT ID	DESCRIPTION	APPROVED BUDGET (\$)	ACTUAL EXPENDITURES (\$)	PO COMMITMENTS (\$)	AVAILABLE BALANCE (\$) d = a - b - c	% COMPLETE e = (b+c) / a	Project Manager	STATUS EXPLANATION as of December 31, 2018
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2017	4451751007	Rural Street Parks and Cemeteries Tree Inventory	237,000	153,292	12,348	71,361	69.9%	S.Scarlett	Project completed. Final invoices require payment. Remaining funds will be reappropriated to 2019 Street Tree Planting Program to facilitate the 2019 tree planting program.
2017	4451751700	2017 Small Equipment Replace	60,000	41,859	14,048	4,094	93.2%	S.Scarlett	Year 2 of 3 for replacing small equipment for Forestry and Hort. Funds to be fully committed by project end.
2017	4451753444	Tree Planting Program	2,001,020	1,562,135	251,586	187,299	90.6%	S.Scarlett	Project ongoing. Remaining funds will committed by Q2 2019.
2018	4451853444	Tree Planting Program	1,310,000	693,411	43,316	573,273	56.2%	S.Scarlett	Project ongoing. Remaining funds will committed by Q2 2019.
2018	4451853701	Gypsy Moth Monitoring	2,500,000	1,964,620	541,917	(6,537)	100.3%	S.Scarlett / C.Gibbons	Year 1 of 2 variance will be mitigated in year 2 of program.
<b>Total Forestry &amp; Horticulture</b>			<b>27,233,061</b>	<b>22,772,827</b>	<b>2,147,713</b>	<b>2,312,521</b>	<b>91.5%</b>		

**Waste Management**

2014	4241409206*	Poster Kiosks	70,000	1,505	-	68,495	2.2%	J.DiDomenico	Restoration of existing units is Complete. Design for new units is done and tender should be issued by Spring, with anticipated installations by the end of 2019.
2009	5120991101	Glanbrook Landfill-Stage 3 Development	6,800,000	4,883,953	1,911,829	4,219	99.9%	R.Conley	Awaiting deficiencies to be completed. Final invoice will be issued once the City is satisfied that list is completed and all deliverables have been met. Expect to be 100% complete by end of Q1 2019.
2012	5121241200	Accommodation Updates	200,000	61,576	30,839	107,585	46.2%	R.Ellis	Funds will be committed and spent by year end 2020 with upcoming leasehold-related moves.
2012	5121290111	Leaf&Yard Composting Facility Relocation	200,000	120,937	79,530	(467)	100.2%	R.Conley	ECA received in November 2018. Waiting for final invoices to be paid to close project ID anticipated Q1 2019.
2014	5121449002	CCF Air Handling-Odour Control	1,246,000	335,330	-	910,670	26.9%	C.McCausland	Building modifications and equipment are being re-evaluated based on new operating requirements, and it is estimated that funds will be committed in by end of 2019.
2014	5121490411	MRF Remediation	210,000	116,196	85,814	7,990	96.2%	C.McCausland	Consultant completing RSC work provided update with revised timelines based on MECP requirements. Entire project is scheduled to be completed in 2020.
2014	5121490530	Sign Kiosks&Poster Sleeve Prgm	200,000	17,122	34,764	148,114	25.9%	J.DiDomenico	Restoration of existing units is Complete. Design for new units is done and tender should be issued by Spring, with anticipated installations by the end of 2019.

Note: \* Project is partially or fully funded from Area Rating (Wards 1 to 8) reserves.

**City of Hamilton Capital Projects Status Report - Public Works Tax Supported Projects  
As of December 31, 2018**

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			a	b	c	d	e		
2015	5121591000	Glanbrook Landfill Capital Improvement Program	222,000	155,720	29,277	37,003	83.3%	R.Conley	Waiting for final invoice for work completed late 2018. Once received close project ID anticipated Q1 2019.
2015	5121594511	Transfer Stn & CRC Expansion	200,000	73,926	-	126,074	37.0%	C.McCausland	Initial project from 2015 has been postponed to 2019/2020. Remaining funds to be used in 2019 and 2020 as a new study is completed before construction can take place.
2016	5121651602	New Driver/Vehicle Technology	100,000	31,721	6,495	61,784	38.2%	J.McCormick	Funds to be used for route optimization software. Tender/RFP to be issued in Q2 2019 and funds to be committed/spent in Q2/Q3 of 2019
2016	5121655610	2020 Waste System Planning	525,001	175,072	58,306	291,623	44.5%	C.McCausland	Funds to be used for Collection RFP, CCF RFP, best practice reviews and consulting work. Ongoing work to 2020.
2016	5121691000	Glanbrook Landfill Capital Improvement Program	275,000	241,549	-	33,451	87.8%	R.Conley	Balance of \$33,451 to be reappropriated to 5121891000 to facilitate Stage 4 work currently underway.
2016	5121693000	Maint & Capital Improvements-Resource Recovery Centre	87,200	75,607	6,535	5,058	94.2%	C.McCausland	Project ID to be closed following the completion of the 2018 MRF material auditing program. Expected to be completed in Q2 2019.
2016	5121695525	SWMMP - Planning & Approvals Program	90,000	25,237	-	64,763	28.0%	C.McCausland	Master plan review to take place later in 2019. Also recommendations such as Multi-res and commercial waste programs will use these funds.
2017	5121790100	CCF Rolling Stock Replacement	1,017,000	671,617	-	345,383	66.0%	C.McCausland	Project to be closed end of Q1 2019. Currently working with the vendor to finalize project
2017	5121790200	Diversion Container Replcemnt	695,000	662,037	-	32,963	95.3%	J.McCormick	Funds to be reappropriated to 5121990200 to facilitate the 2019 container replacement program.
2017	5121790700	Public Space & Special Event Containers	250,000	189,049	3,147	57,804	76.9%	J.McCormick	Project to be closed when PO is spent. Expected to be completed in Q3 2019
2017	5121791000	Glanbrook Landfill Capital Improvement Program	305,000	288,207	15,014	1,779	99.4%	R.Conley	Project pending completion. Project anticipated to be completed and closed by Q2 2019.
2017	5121792000	Closed Landfill Maint&Cap Imp	141,000	91,334	-	49,666	64.8%	C.McCausland	Funds to be reappropriated to 5121992000 to facilitate the 2019 closed landfill maintenance and improvement program.
2017	5121793000	Resource Recovery Centre	220,000	185,954	33,752	295	99.9%	C.McCausland	Available funds to be spent in Q1 2019 then project ID closed
2017	5121794002	Transfer Stn Door Replace	200,000	124,267	-	75,734	62.1%	C.McCausland	Pedestrian doors at the transfer stations expected to complete by Q4 2019.

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2017	5121795525	SWMMP- Planning&Approvals Prgrm	120,000	-	-	120,000	0.0%	C.McCausland	Master plan review to take place later in 2019. Also recommendations such as Multi-res and commercial waste programs will use these funds.
2018	5121849800	CCF Air Handling Upgrades	1,700,000	76,185	65,615	1,558,200	8.3%	C.McCausland	Building modifications and equipment are being re-evaluated based on new operating requirements, and it is estimated that funds will be committed in by end of 2019.
2018	5121855137	Waste Management R & D Program	230,000		-	230,000	0.0%	C.McCausland	Conducting residential waste audits, new initiatives for completing studies to help optimize operations at the City's waste facilities. Anticipate a portion of funds to be committed in Q2 2019
2018	5121890200	Diversion Container Replacmnt	870,000	727,598	134,872	7,530	99.1%	J.McCormick	Project ID to be closed once PO commitment is spent in Q2 2019
2018	5121890700	Public Space & Special Event Containers	250,000	36,812	184,357	28,831	88.5%	J.McCormick	Project ID to be closed once PO commitment is spent Q4 2019.
2018	5121891000	Glanbrook Landfill Capital Improvement Program	330,000	170,678	170,214	(10,892)	103.3%	R.Conley	Stage 4 work at the Glanbrook Landfill and approvals with NPCA, DFO, MECP. This work is ongoing and expected be completed by Q3 of 2019. Approvals are slower than predicted.
2018	5121892000	Closed Landfill Maintenance	456,000	11,023	73,213	371,764	18.5%	C.McCausland	Work deferred to early 2019. Expect to be fully committed by end of Q1 2019.
2018	5121893000	RRC Maintenance & Capital	190,000	189,555	21,416	(20,971)	111.0%	C.McCausland	MRF tipping floor repair. PO commitment expected to be completed in Q2 2019.
2018	5121894000	Transfer Station/CRC Maintenance & Improvement Program	205,000	121,586	15,300	68,114	66.8%	J.McCormick	Available funds to be spent/committed by Q2 2019 and spent by the end of 2019 on various capital improvements. Completed to date is the study to determine next steps. The next step is to confirm options prior to 2020 to buy land / construct.
2018	5121895525	SWMMP Approvals	150,000	-	-	150,000	0.0%	E.Prpic	Master plan review to take place later in 2019. Also recommendations such as Multi-res and commercial waste programs will use these funds.
<b>Total Waste Management</b>			<b>17,754,201</b>	<b>9,861,353</b>	<b>2,960,288</b>	<b>4,932,560</b>	<b>72.2%</b>		

**Open Space Development**

2014	4241409341*	Pipeline Master Trail Plan	830,000	401,087	38,929	389,984	53.0%	C.Graham	Design of trail from Brampton to Grace underway. Design work to respond to new requirements from Hamilton Water due to watermain break. Encroachments require design consideration.
2018	4241809401*	Crown Point East Parkette	397,880	91,275	281,568	25,037	93.7%	C.Graham	Parkette is renamed Crown Point East Parkette. Contract awarded, and construction start in spring 2019. Keep open.

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2018	4241809403*	AM Cunningham Playground	437,200	413,900	31,283	(7,983)	101.8%	C.Graham	Work is complete. Project can be closed once PO is closed.
2018	4241809801*	GarthReservoir-WillmConnell Prk	200,000	42,372	122,415	35,213	82.4%	C.Graham	Detailed design of Phase 1 - toboggan hill to be completed this summer, to be ready for tender when funds are available for construction keep open.
2007	4400756755	Joe Sams Park Phase 2 Development	3,665,000	3,631,082	69,673	(35,756)	101.0%	C.Graham	Construction complete, but final payments pending to contractor. Keep open until payments and holdback are released. Future project to complete trail connection within the park. Overdraft will be rectified once PO's are closed.
2008	4400856600	Olmstead Natural Open Space	1,386,000	1,328,051	31,932	26,017	98.1%	C.Graham	Monitoring ongoing for prairie establishment. Keep open.
2010	4401056002*	The Gore Master Plan	3,699,454	3,513,360	45,512	140,583	96.2%	C.Graham	Phase 3 construction in future years, pending LRT coordination for setting of grades at the track and open space. Keep open.
2010	4401056060	Open Space Replacement Strategy - East Mountain Trail	1,236,000	1,163,148	65,326	7,526	99.4%	C.Graham	Construction underway for trail from LINC to Mud Street at Pritchard Road - final seeding by May 2019. Future phases in developer-build areas south of Highland Road. Keep open.
2010	4401056090	Johnson Tew Park	1,345,200	1,306,798	43,962	(5,559)	100.4%	C.Graham	Park minor deficiencies and final payments outstanding. 2019 funds for tree planting of arboretum. Keep open.
2010	4401056127*	Churchill Park-Soccer Field & MP	2,333,690	1,021,181	528,713	783,796	66.4%	C.Graham	Construction underway - anticipate completion in May 2019. Future phases - multi-year project. Keep open.
2010	4401056521	Trillium Seabreeze Park	980,000	917,470	-	62,530	93.6%	C.Graham	The city is presently dealing with legal issues on the project. PW11-41 cannot be closed at this time.
2012	4401255002	Confederation Park Feasibility Study	256,000	242,497	12,800	703	99.7%	C.Graham	Study is complete. Close PO and close project.
2012	4401256126	Shaver Neighbourhood Park Development	1,877,067	1,356,409	111,107	409,551	78.2%	C.Graham	Construction of trail underway. Anticipate final site works and planting in spring 2019. Keep open for final payments and holdback release.
2012	4401256520	Gage Park Redevelopment - Walkway Lighting and Paving	3,188,416	2,782,185	105,660	300,570	90.6%	C.Graham	Lighting portion of project complete, but larger project still underway. 2019 works include walkway to Rose Garden in fall 2019 and sign replacement. Keep open.
2012	4401256801	Green Millen Shore Estates Waterfront	778,000	704,480	1,770	71,750	90.8%	C.Graham	Final payments pending to developer for construction of trail. Keep open.
2013	4401356002*	Beasley Park Rehabilitation	2,172,008	2,096,135	60,316	15,557	99.3%	C.Graham	Beasley Park phase 1 construction complete, with some deficiency work to be finished in spring 2019. Future phase to close Kelly Street and finish park redevelopment. Keep open.
2013	4401356107	Cherry Beach Lakefront Park	3,162,100	2,836,355	213,237	112,508	96.4%	C.Graham	In water works monitoring required by DFO extended into 2019 due to storm damage. Keep open.

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2013	4401356124	William Connell Community Park	5,830,000	5,153,736	734,276	(58,012)	101.0%	C.Graham	Construction of phase 1 park substantially complete, but deficiencies remain. Future phase for field house to begin in Q4 2018. Keep open.
2013	4401356541	Borers Creek Trail Link	774,000	778,540	14,272	(18,813)	102.4%	C.Graham	Project complete. Reconcile and Close project.
2013	4401356801	Confederation Park - Sports Park Development	9,161,685	5,284,071	697,431	3,180,182	65.3%	C.Graham	RFPQ for contractors closed in February. Anticipate tender in March 2019, with construction to start shortly thereafter. ECA permit still outstanding. Future phases. Keep open.
2014	4401456009	Mount Hope Park Redevelopment	1,587,695	1,631,165	23,882	(67,351)	104.2%	C.Graham	Project substantially complete, but cannot be closed out due to servicing connection pending archaeology clearance. Keep open.
2014	4401456102	2555 Creekside	270,905	53,502	20,235	197,168	27.2%	C.Graham	Playground installation complete, pending rubberized safety surfacing. Keep open
2014	4401456401*	Parkland - Stadium Precinct	12,418,475	9,062,411	386,717	2,969,348	76.1%	C.Graham	Monitoring work including installation of new wells in winter 2019. Site programming and feasibility to begin in Q2 2019. Risk Assessment anticipated for later in 2019. Keep open.
2015	4401556503	Heritage Green Sports Pk Ph II	935,000	852,690	2,110	80,200	91.4%	C.Graham	Spray pad complete, pending minor deficiency work in spring 2019. Detailed design and construction for new road connection in 2019 from Echovalley Drive. Future phases. Keep open.
2015	4401556504	Trails Master Plan Update	383,300	336,740	14,798	31,763	91.7%	C.Graham	Trail initiatives evaluated every year for priority and future budgeting. Keep open.
2015	4401556506	Vincent Massey Park Developmnt	624,000	565,862	15,000	43,138	93.1%	C.Graham	Final fix of deficiencies to be complete in Spring 2019. keep open.
2015	4401556510	Dundas Valley HS Soccer	250,000	31,478	-	218,522	12.6%	C.Graham	Funding contribution for construction of field. Payment of \$250,000 required, so transfer of funds from Ancaster Community Ball Diamond lighting required.
2015	4401556511*	Nash Orchard Park	18,646	10,367	-	8,279	55.6%	C.Graham	Pre-design work has been initiated. Future funds required for implementation. Requirement for area development to progress prior to park work.
2015	4401556512	Glanbrook Hills Park	810,000	736,428	66,179	7,393	99.1%	C.Graham	Project complete, pending holdback release. Keep open.
2015	4401556514*	St Christopher's Park	230,000	98,868	500	130,632	43.2%	C.Graham	Ongoing work to improve play area and walkways, keep open
2016	4401649620	Confederation Park - Wild Waterworks - Creation of a Master Plan for the Waterpark - HCA Lead	200,000	163,356	38,804	(2,160)	101.1%	C.Graham	HCA Lead with staff support; Project is a Ward Councillor priority. Funds are for Waterpark improvements at the facility. Anticipated completion in 2019.

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2016	4401656002	Gore Master Plan Phase 2 (Open Space Development Blk)	1,652,000	1,458,464		193,536	88.3%	C.Graham	Phase 3 construction in future years, pending LRT coordination for setting of grades at the track and open space. Keep open.
2016	4401656603*	Sam Lawrence Park	420,000	95,414	2,271	322,315	23.3%	C.Graham	Concept design and public engagement throughout 2019, with anticipated final proposal in Q2 2020. Keep open.
2016	4401656605	Upper Stoney Creek Splash Pad #2	836,510	812,709	18,913	4,888	99.4%	C.Graham	The project is complete, with deficiencies to be fixed in spring 2019. Keep open pending holdback release and deficiency fixes.
2016	4401656802	Beach Park Development Program	100,000	20,000	-	80,000	20.0%	C.Graham	On-going program. Funded through Beach Reserve at Councillor's request. For use at Cllr discretion.
2017	4401756402	Waterdown S Pk 2 (Agro Pk)	670,000	628,997	46,063	(5,060)	100.8%	C.Graham	Project complete, pending final deficiencies. Once the PO is closed, the project will be complete and can close
2017	4401756612	Up Country Ests Proposed Pk DB	567,000	71,004	495,313	683	99.9%	C.Graham	Developer-build park. Keep open pending payment and construction completion.
2017	4401756701	North Wentworth Pk Lands Exp	350,000	35,000	-	315,000	10.0%	C.Graham	Funds for acquisition of additional parkland at North Central Park (Mars Park), from Industrial subdivision development adjacent. Keep open pending payment.
2017	4401756702	Fallen Firefighter's Memorial	125,000	37,499	60,213	27,288	78.2%	C.Graham	Detailed design work underway for location at Gage Park. Multi-year project, keep open.
2017	4401756703	Mountain Brow Path	161,000	156,583	-	4,417	97.3%	C.Graham	Masterplan is complete. Previous comment in error - Future works to implement. Detailed design work for first phase anticipated in 2019. Keep open.
2017	4401756704	Fruitland Winona	8,652,950	8,639,993	2,729	10,227	99.9%	C.Graham	Acquisitions for future community park ongoing. Due diligence studies ongoing.
2017	4401756706*	Roxborough Park ReDev & Design	91,000	26,087	51,855	13,058	85.7%	C.Graham	Public consultation has taken place, and work beginning on detailed design. Timing of construction pending coordination with the development and determination of funding source. Keep open.
2017	4401756710	Valley Prk-Skateboard Prk	100,000	-	-	100,000	0.0%	C.Graham	Public consultation is ongoing. Future funds for construction required. Keep open.
2017	4401756718	Ancaster Meadows Pk (Proposed)	70,000	17,728	-	52,272	25.3%	C.Graham	Tender closes February 28, 2019 for spring construction. Keep open.
2017	4401756802	Beach Park Dev Program	100,000	-	-	100,000	0.0%	C.Graham	On-going program. Funded through Beach Reserve at Councillor's request. For use at Cllr discretion.
2017	4401756824	William Connell Community Park	950,000	612,491	452,816	(115,306)	112.1%	C.Graham	Construction of phase 1 park substantially complete, but deficiencies remain. Future phase for field house to begin in Q4 2018. Keep open.
2017	4401756907*	Century Street Park	295,000	41,731	-	253,269	14.1%	C.Graham	Tender closed above project budget. Redesign underway, and anticipate retendering in Q2 2019. Future coordination with public art.

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2018	4401855600	Parks Testing and Reporting	58,200	49,510	2,169	6,521	88.8%	C.Graham	Ongoing program required for testing and quality control at park and trail development projects.
2018	4401855801	Emergency Shoreline Study	340,000	63,784	-	276,216	18.8%	C.Graham	Shoreline study to recommend future works related to protection of City of Hamilton shoreline, per Item 8 of PW report 18-006. Future projects requiring future funding anticipated. Keep open.
2018	4401856127	Churchill Park Phase 2	50,000	10,631	-	39,369	21.3%	C.Graham	Phase 2 design work underway. HCA, NEC permits required prior to construction. Future construction funding required. Keep open.
2018	4401856300	Parkside Hills	193,355	97,375	-	95,980	50.4%	C.Graham	Land exchange still pending. City does not yet own full extent of the property. Preliminary design work started, however, cannot proceed until land ownership is confirmed. Keep open.
2018	4401856601	Legislated Monitoring	47,931	14,084	11,600	22,247	53.6%	C.Graham	Ongoing project to fulfill monitoring requirements for park construction, including species at risk. Ongoing project, keep open.
2018	4401856615	John St N Rebecca Master Plan	2,860,000	160,045	74,062	2,625,892	8.2%	C.Graham	Detailed design and tendering of John Rebecca Park. Anticipate tender early in 2019, construction to be complete in 2019. Keep Open.
2018	4401856802	Beach Park Development	100,000	10,000	-	90,000	10.0%	C.Graham	On-going program. Funded through Beach Reserve at Councillor's request. For use at Cllr discretion.
2018	4401856803	RHV Trails Mstr Plan The Nest	300,000	63,782	-	236,218	21.3%	C.Graham	The third of the Gathering Places as part of the Red Hill Valley Project. Pending JSB, HCA and NEC approvals. Design and construction pending JSB process.
2018	4401856804	Highbury Meadows North Park	80,000	17,008	-	62,992	21.3%	C.Graham	Design start in 2019, with construction in future years. Keep open.
2018	4401856805	Cline Park Redevelopment	60,000	32,675	9,145	18,180	69.7%	C.Graham	Design work anticipated in 2019 for life-cycle replacement items. Construction funds required in future years. Keep open.
2018	4401856806	BookjansW PropPrk-AncasterGlen	70,000	15,083	7,990	46,926	33.0%	C.Graham	Tender anticipated for Q1 2019, for spring construction. Keep open.
2018	4401856812	Spencer Creek Estates (14)	60,000	12,756	-	47,244	21.3%	C.Graham	Conceptual design underway. Future funds required for construction. Keep open.
2018	4401856813	Chedoke Falls Viewing Study	60,000	55,312	1,680	3,008	95.0%	C.Graham	Environmental studies required in 2019 due to NEC and HCA permit requirements. Future funds for construction required. Keep open.

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2018	4401856815	Caterini Park (Binbrook)	610,000	61,125	-	548,875	10.0%	C.Graham	Construction ongoing. Keep open for final payments to developer.
2018	4401856817	Fifty Road Parkette Redev	700,000	40,465	12,128	647,407	7.5%	C.Graham	Encroachment has delayed DFO approvals. Anticipate tender in Q2 2019, for summer fisheries window construction. Keep open.
2018	4401856819	Waterfalls Viewing	362,500	85,780	172,992	103,728	71.4%	C.Graham	Design of south viewing platform for Albion Falls to address health and safety concerns. Environmental studies, cultural heritage, and design work in 2018. Future funds required for construction. NEC, MNR, and HCA approvals anticipated. Keep open.
2018	4401856820	Waterford Park	241,550	-	-	241,550	0.0%	C.Graham	Master plan and public consultation anticipated for Q2/3 2019. Future funds required for construction. Keep open.
2018	4401856900*	Bruce Park Spraypad	670,000	64,042	554,150	51,808	92.3%	C.Graham	Detailed design work complete. Anticipate construction to begin early spring 2019. Keep open.
2018	4401856910	John St N & Rebecca Land Acq	1,550,000	20,000	-	1,530,000	1.3%	C.Graham	Payment for lands required for future park development. Keep open.
2018	4401858800	Skatepark Facility - Rec Study	100,000	54,693	39,477	5,829	94.2%	C.Graham	Public consultation is ongoing. Future funds for construction required. Keep open.
2018	4411806201	Central Park Redevelopment	1,647,000	350,167	-	1,296,833	21.3%	C.Graham	Detailed design for redevelopment of park. Pending final grades from capping and infrastructure project. Soil stockpiling for capping complete. Keep open.
2014	7101454405	255 Winona Rd-School Purchase	3,572,250	3,443,011	90,512	38,727	98.9%	C.Graham	Land acquired for future use to facilitate parkland development per the secondary plan.
2012	5181260214	Parkside/Kipling, Stormwater	1,500,000	1,365,490	-	134,510	91.0%	C.Graham	Rain Garden creation at Churchill Park, as part of the park redevelopment, and to address local flooding. Work ongoing, keep open.
2018	4401856811	Cross of Lorraine-Restoration	10,000	-	-	10,000	0.0%	C.Graham	Investigating the restoration of the lighted feature. Ongoing program. Keep open.
<b>Total Open Space Development</b>			<b>91,820,967</b>	<b>67,347,520</b>	<b>5,884,484</b>	<b>18,588,963</b>	<b>79.8%</b>		

**West Harbour Strategic Initiative**

2015	4411506103	Pier 8 Sanitary PS & Forcemain	14,850,000	642,436	138,480	14,069,084	5.3%	G.Norman	To be tendered in Q1 2019
2015	4411506104	West Harbour Draft Plan&Zoning	641,540	546,775	35,500	59,265	90.8%	G.Norman	Draft plan and zoning under appeal; additional study in support of LPAT hearing in 2019 is underway
2015	4411506105	Pier 5-7 Marina Reconstruction	8,785,000	9,312,640	191,890	(719,530)	108.2%	G.Norman	Project complete; Variance is made up of revenues expected from RYHC and HPA per finance agreements. RHYC has been invoiced. Expect invoice to HPA in Q4 2017
2015	4411506106	Marina Services & Gas Dock	700,000	389,034	-	310,966	55.6%	G.Norman	Project underway ; consultant retained. Design being coordinated with Piers 5-7 design (HWT)

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2015	4411506107	Pier5-7 Marina Shoreline Rehab	10,170,000	1,253,384	471,014	8,445,602	17.0%	G.Norman	Detailed design nearing completion - to be tendered in Q2
2015	4411506108	West Harbour RSC	1,633,900	1,649,408	1,749	(17,257)	101.1%	G.Norman	99% complete - final RA/RMP being reviewed by MECP.
2015	4411506109	West Harbour Site Remediation	2,182,000	843,401	333,145	1,005,455	53.9%	G.Norman	Demolition 100% complete; remediation complete; site prep complete save for fill import.
2015	4411506111	Bayfront Park Beach Study	300,000	229,298	101	70,601	76.5%	G.Norman	Study complete. Staff to report back in June about permanent fixes.
2015	4411506201	Central Park Master Plan	100,000	91,235	22,517	(13,752)	113.8%	G.Norman	Design complete. Variance; to be resolved in Q2 2019 with transfer from park construction account
2016	4411606001	CHH Site Servicing Study (Jamesville)	120,000	15,453	-	104,547	12.9%	G.Norman	West Harbour Staff are implementing RFP for re-development of Jamesville by end of Q.1 2019. Site conditions and servicing studies will be required as part of the City's due-diligence, with a period from Q.2-Q.3 2019.
2016	4411606002	Real Estate Disposition Process	714,200	559,329	17,298	137,573	80.7%	G.Norman	In progress, in negotiations with developer including agreement preparation and preparation for LPAT hearing in 2019.
2016	4411606003	Community Engagement Imp.	460,000	198,720	5,000	256,280	44.3%	G.Norman	Program in support of public-facing WHSI projects; on-going; complete in 2019 / 2020
2016	4411606004	Marketing Communication Imp.	450,000	105,333	13,078	331,589	26.3%	G.Norman	Program on-going; includes Pier 8 Solicitation Process, "Barton-Tiffany" lands & Pier 6-7 Commercial Village.
2016	4411606101	Pier 6-8 Servicing Design	1,785,000	811,709	221,895	751,397	57.9%	G.Norman	Detailed design 100% complete; out for tender.
2016	4411606102	Pier 5-7 Boardwalk	1,135,000	19,316	70,000	1,045,684	7.9%	G.Norman	Project underway by HWT
2016	4411606103	Pier 6 Artisan Village (CAN150)	1,170,000	22,248	59,650	1,088,102	7.0%	G.Norman	Project underway by HWT
2016	4411606104	Pier 7 Commercial Village	3,050,000	73,203	179,354	2,797,442	8.3%	G.Norman	Project underway by HWT
2016	4411606105	Pier 8 Shorewall	16,691,000	5,787,455	11,057,823	(154,278)	100.9%	G.Norman	Under construction. Variance is funded through approval of 2019 capital budget and PW18079.
2016	4411606106	Pier 8 Promenade	8,010,000	992,823	100,000	6,917,177	13.6%	G.Norman	Ready for tender - waiting on new Bill 66 legislation expected in March
2016	4411606111	Bayfront Park Beach Rehab	280,000	84,053	-	195,947	30.0%	G.Norman	Implementation on hold until after report to Council in Q2 2019
2016	4411606201	Bar-Tiff Site Remediation	1,350,000	143,628	13,215	1,193,157	11.6%	G.Norman	Phase 1 ESA complete. Need for additional study to be scoped in 2019.
2016	4411606202	Bar-Tiff Site Servicing Study	180,000	32,362	-	147,638	18.0%	G.Norman	Additional study to be scoped through development of B-T Disposition Strategy
2017	4411706101	Pier 6-8 Servicing Constrn	8,830,000	530,700	-	8,299,301	6.0%	G.Norman	To be tendered in Q1 2019
2017	4411706102	Pier 8 Park	1,419,300	273,943	44,918	1,100,440	22.5%	G.Norman	Detailed design complete. Construction will follow servicing in late 2019

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2017	4411706103	Bayfront Park Upgrades Ph 1	500,000	22,190	-	477,810	4.4%	G.Norman	Project delayed to accommodate shift in priority to have public realm projects on Piers 5-8 expedited
2017	4411706104	Artisan Village Design Study	110,000	7,422	92,706	9,872	91.0%	G.Norman	Project underway by HWT
2017	4411706105	WH Parking Garage Feasibility	300,000	13,314	-	286,686	4.4%	G.Norman	RFP in Q2 2019
2017	4411706201	Bar-Tiff Real Est Solicitation	200,000	-	-	200,000	0.0%	G.Norman	PED preparing a report to add film studio uses to B-T lands. Report expected on the Solicitation Process by end of Q.1 2019.
2017	4411706202*	Adaptive Comm Re-use 125 Barton St. W	800,000	812,058	2,153	(14,211)	101.8%	G.Norman	Project complete; Navy League moved over. Finalizing contract and addressing deficiencies.
2018	4411806102	Macassa Bay Shoreline Improv	150,000	6,147	-	143,853	4.1%	G.Norman	Preliminary scoping to start in Q2 2019
2018	4411806103	Macassa Bay Boardwalk Trail	150,000	5,476	-	144,524	3.7%	G.Norman	Preliminary scoping to start in Q2 2019
2018	4411806104	West Harbour Public Art	450,000	16,427	-	433,573	3.7%	G.Norman	Public process to start in Q1 2019
2018	4411806105	Police Marine Facility Replac	300,000	37,796	191,740	70,464	76.5%	G.Norman	Interim facility under construction; delivery planned for Mar 2019. Site servicing almost complete.
2018	4411806106	James St CSO Tank overflow pipe	375,000	13,689	27,090	334,221	10.9%	G.Norman / R.Ellis	Underway as part of Piers 5-7 design
2018	4411806202	Central Neighbourhood Park	3,890,000	126,994	102,269	3,660,737	5.9%	G.Norman	To be tendered in Q2 2019
2013	4901355303	Piers 5-8 Prkng&Traffic Study	100,000	95,493	4,497	10	100.0%	G.Norman	Project to be closed in Q1 2019
2016	5121692001	Central Park Remediation	4,900,000	324,223	149,090	4,426,687	9.7%	G.Norman	Risk assessment and risk management plan work underway.
2012	5181206222	Setting Sail-Floating Breakwater	4,040,000	4,023,357	26,420	(9,777)	100.2%	G.Norman	Project complete. Leave open until claims resolved likely Q3/4 2019.
2013	8201355880	Implementation of Setting Sail	461,750	442,822	18,973	(45)	100.0%	G.Norman	Close PO; project can close next BER
<b>Total West Harbour Initiative</b>			<b>101,733,690</b>	<b>30,555,294</b>	<b>13,591,565</b>	<b>57,586,830</b>	<b>43.4%</b>		

**Energy Initiatives**

2014	7901448406	Ice Plant Optimization Arenas	425,000	63,071	-	361,929	14.8%	M.Carson	Tendering with consultant from NEW Roster (not doing Council report).
2016	7901641600	Hamilton Place LED Light	590,000	418,383	29,322	142,295	75.9%	M.Carson	Phase 2 tendered - tender now cancelled.

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2016	7901641604	Aquatic Centres Ext LED Light	106,000	40,406	45,375	20,219	80.9%	M.Carson	50% complete.
2016	7901641605	Valley Park LED Light	195,560	3,175	166,148	26,237	86.6%	M.Carson	Awarded tender.
2016	7901641606	Ice Arena LED Light	1,221,000	1,116,200	88,187	16,613	98.6%	M.Carson	Managing deficiencies and confirming final incentives.
2016	7901641609	Macassa BAS Upgrade	60,000	-	-	60,000	0.0%	F.Jilani	Finalizing scope of work prior to Q2 Tender process.
<b>Total Energy Initiative</b>			<b>2,597,560</b>	<b>1,641,235</b>	<b>329,033</b>	<b>627,293</b>	<b>75.9%</b>		

**Fleet**

2014	4941451003	Restoration - Fleet Fuel Sites	1,280,000	666,416	215,554	398,030	68.9%	A.Fletcher / J.Sheen	Tank removal completed at 2 locations (1 requires delineation) - 4 sites at 95% completion, 1 site has work that will carry into Q4 2019 due to scope change
2016	4941651100	Fleet Vehicle&Equipment Replace Program	8,314,210	8,088,211	166,012	59,987	99.3%	T.Kagianis	Final inspection of units being completed. Invoices to be paid, funds transferred to 2019 project, then close.
2017	4941751001	Shop Equipment Replacement	160,000	59,037	79,908	21,055	86.8%	J.Ellis / A.Fletcher	On schedule for completion in 2019 once the commitments have been exhausted
2017	4941751100	Fleet Vehicle&Equipment Replace Program	7,111,400	6,555,911	1,351,540	(796,051)	111.2%	T.Kagianis	Reallocate some PO's, on schedule to be completed on budget end of 2019
2018	4941851001	Shop Equipment Replacement	162,000	-	-	162,000	0.0%	Jeff Ellis/ Al Fletcher	Priorities, scope and design plans finalized, on schedule for completion in 2019
2018	4941851004	Street Sweeper Purchase	737,600	422,526	311,177	3,897	99.5%	T.Kagianis	Scheduled for completion Q2 2019
2018	4941851100	Fleet Vehicle&Equipment Replace Program	6,857,000	1,670,789	952,517	4,233,694	38.3%	T.Kagianis	Scheduled for completion end of 2020
<b>Total Fleet</b>			<b>24,622,210</b>	<b>17,462,890</b>	<b>3,076,708</b>	<b>4,082,612</b>	<b>83.4%</b>		

**Facilities**

2013	3541349003	Backflow Prevention-Facilities	2,003,000	1,436,950	-	566,050	71.7%	C.McKay / K.Zukauskas	Ongoing into 2019-2021.
2013	3541351005	Generator BlackOut Testing	282,000	220,928	30,000	31,072	89.0%	T.Briatico	Completion 2017. Surplus to be utilized for electrical and generator fuel compliance deficiencies in 2019.
2014	3541441401	POA Administration Offices	37,237,998	36,507,103	756,396	(25,501)	100.1%	L.Nelson / J.Warner	Grand Opening occurred September 13, 2018. Financial close in 2019/2020.
2014	3541441910	RCMP Lease-Capital Replacement	434,000	434,000	2,020	(2,020)	100.5%	T.Briatico	Project construction complete. Expected financial completion 2018/2019.

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2015	3541541409	Code & Legislative Compliance	450,000	398,489	39,876	11,635	97.4%	R.Ellis	Once commitments clear on annual program, then reconcile and CLOSE, targeting 2019 financial close.
2015	3541541510	Control Ctre & Automation Upgr	1,100,000	456,309	-	643,691	41.5%	R.Ellis	Priorities include immediate commitment for capital reinvestment in the central plant equipment with HCE. Ongoing 2018/2019. Deficit to be reconciled in a closing report in 2019.
2016	3541641010	Facility Upgrades Libraries	312,000	230,767	122,766	(41,533)	113.3%	R.Ellis	Once commitments clear on annual program, then reconcile with annual program to fund ongoing priorities then CLOSE.
2016	3541641013	Firestations Facility Upgrade	363,121	194,780	17,280	151,061	58.4%	R.Ellis	Firestation facilities renewals ongoing in 2019.
2016	3541641402	MTC - CNG Facility Upgrades	1,309,000	1,339,334	20,280	(50,614)	103.9%	R.Ellis	Construction complete. Targeting financial close 2019/2020.
2016	3541641409	Code & Legislative Compliance	720,000	595,761	122,313	1,926	99.7%	R.Ellis	At the financial close in 2019, once all commitments have cleared, reconcile to Compliance Program then CLOSE.
2016	3541641412	Roof Management Program	920,000	771,317	43,485	105,197	88.6%	R.Ellis	Roof replacements ongoing in 2019. Reconcile then CLOSE. Once commitments clear in 2019, then reconcile with annual program and CLOSE.
2016	3541641532	Facility Capital Maintenance	300,000	181,787	11,749	106,464	64.5%	R.Ellis	Ongoing in 2019.
2016	3541641601	Animal Control Facility Design	75,000	70,421	-	4,579	93.9%	R.Ellis	Animal control works complete. Reconcile then close.
2016	3541641602	Ancaster Memorial Arts & Cultural Centre	14,400,000	2,003,131	60,217	12,336,652	14.3%	R.Ellis	Prequalification posted Q1 2019. Construction tender targeting Q2 2019.
2016	3541641631	Facilities Security Program	150,000	139,660	10,340	-	100.0%	R.Ellis	Corporate Security Review has been completed. Funds are to implement and execute the recommendations of the review in 2017. Ongoing into 2019.
2016	3541641638	Overhead Door Replacement Program	100,000	45,630	-	54,370	45.6%	R.Ellis	Overhead Door Replacements ongoing in 2019.
2016	3541641648	Parking Lot Rehabilitation	250,000	58,556	56,830	134,614	46.2%	R.Ellis	Parking lot rehabilitations in multiple locations complete and underway. Design & construction ongoing into 2019.
2016	3541641910	RCMP-Lease-Capital Replacement	210,000	85,533	53,573	70,894	66.2%	R.Ellis	Project in construction. Expected financial close 2019/2020.
2016	3541655001	Yard Capital Renewal Program	292,190	248,436	71,800	(28,046)	109.6%	R.Ellis	Work at yards ongoing into 2019. Once commitments clear on annual program, then reconcile and CLOSE, targeting 2019 financial close.
2016	3541657001	Archibus-Facility Maintenance	100,000	5,649	-	94,351	5.6%	R.Ellis	2019 work in Archibus ongoing with programmers

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2017	3541741010	Facility Upgrades Libraries	81,000	90,704	10,764	(20,469)	125.3%	R.Ellis	Work at Libraries is ongoing into 2019. Once commitments clear on annual program, then reconcile and CLOSE, targeting 2019 financial close.
2017	3541741013	Firestations Facility Upgrade	150,000	38,348	28,295	83,357	44.4%	R.Ellis	Firestation facilities renewals ongoing in 2019.
2017	3541741409	Code & Legislative Compliance	511,000	319,332	254,114	(62,446)	112.2%	R.Ellis	Compliance capital works ongoing in 2019. Deficit to be reconciled with annual program
2017	3541741412	Program - Roof Management	671,800	571,757	72,188	27,856	95.9%	R.Ellis	Ongoing through 2019.
2017	3541741532	Facility Capital Maintenance	733,966	837,127	34,575	(137,736)	118.8%	R.Ellis	2019 work on Facility Capital Maintenance is ongoing. deficit to be reconciled with annual program
2017	3541741603	Central Library Window Replacement	2,576,000	2,406,734	107,861	61,405	97.6%	R.Ellis	Phase 3 of windows will commence in 2019 to conclude the project in 2019, financial close targeting 2020/2021.
2017	3541741604	Binbrook Town Hall Skylights	250,000	247,739	10,511	(8,250)	103.3%	R.Ellis	Work completed. Financial close expected Q3 2019.
2017	3541741605	HAMILTON Sign	300,000	295,301	1,315	3,384	98.9%	R.Ellis	New Exterior Signage/Art "Hamilton" at City Hall is complete. Financial close anticipated in 2019.
2017	3541741631	Facilities Security Program	100,000	44,311	-	55,689	44.3%	R.Ellis	Ongoing implementation of the recommendations of the Corporate Security Review. Ongoing into 2019.
2017	3541741648	Parking Lot Rehabilitation	195,300	140,579	258	54,463	72.1%	R.Ellis	Work on parking lots is ongoing into 2019.
2017	3541755001	Yard Capital Renewal Program	200,000	157,538	35,156	7,305	96.3%	R.Ellis	Once commitments clear on annual program, then reconcile and CLOSE, targeting 2019/2020 financial close.
2017	3541755700	Downtown Office Accommodation	100,000	28,038	-	71,962	28.0%	R.Ellis	Ongoing through 2019.
2017	3541757001	Archibus-Facility Maintenance	100,000	15,460	-	84,540	15.5%	R.Ellis	Ongoing through 2019.
2018	3541841010	Facility Upgrades Libraries	100,000	12,917	-	87,083	12.9%	R.Ellis	2019 WIP fund \$80K to 3541741603. Ongoing through 2019.
2018	3541841013	Firestations Facility Upgrade	350,000	13,978	-	336,022	4.0%	R.Ellis	Ongoing through 2019.
2018	3541841123	Ancaster Tennis Bubble	60,000	33,555	-	26,445	55.9%	R.Ellis	Project currently in design. Project led by ATC.
2018	3541841409	Facilities Code & Compliance	601,000	51,928	-	549,072	8.6%	R.Ellis	2019 WIP \$420 to 3541741603. Once commitments clear on annual program, then reconcile and CLOSE, targeting 2019 financial close.
2018	3541841412	Roof Management	720,000	570,381	67,789	81,830	88.6%	R.Ellis	Ongoing through 2019.
2018	3541841532	Facility Capital Maintenance	359,024	5,379	315,526	38,119	89.4%	R.Ellis	Ongoing through 2019.
2018	3541841631	Facilities Security	150,000	910	-	149,090	0.6%	R.Ellis	Ongoing through 2019.

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2018	3541841648	Parking Lot Rehabilitation	350,000	-	-	350,000	0.0%	R.Ellis	Various priorities Ongoing through 2019
2018	3541841801	Rymal Yard Building Repairs	300,000	123,943	181,287	(5,230)	101.7%	R.Ellis	Construction underway. Financial close targeting 2020.
2018	3541841910	Stoney Creek City Hall RCMP	210,000	69,024	-	140,976	32.9%	R.Ellis	Ongoing through 2019.
2018	3541849003	Backflow Prevention Various	450,000	92,011	432,716	(74,726)	116.6%	R.Ellis	Once commitments clear on annual program, then reconcile against annual program and CLOSE, targeting 2019 financial close.
2018	3541855001	Yard Capital Renewal	150,000	2,850	150,000	(2,850)	101.9%	R.Ellis	Once commitments clear on annual program, then reconcile and CLOSE, targeting 2019 financial close.
2018	3541855100	Facilities Audit Program	100,000	95,992	5,293	(1,285)	101.3%	R.Ellis	Once commitments clear on annual program, then reconcile and CLOSE, targeting 2019 financial close.
2018	3541855701	ConfederationPrkFacilit yAssmnt	150,000	64,884	74,331	10,785	92.8%	R.Ellis / L.Stasiuk	Underway & ongoing through 2019 with LAS.
2013	4401356800	Bayfront Park Work Yard	436,000	365,246	88,589	(17,834)	104.1%	R.Ellis	Project complete, to be reconciled and closed, surplus to be transferred to 7101841800.
<b>Total Facilities</b>			<b>71,463,399</b>	<b>52,120,510</b>	<b>3,289,492</b>	<b>16,053,397</b>	<b>77.5%</b>		

**Entertainment Facilities**

2017	3721741600	Commonwealth Sq&Summers Ln	779,000	143,437	68,097	567,466	27.2%	R.Ellis	Target tender Q1/Q2 2019. Collaboration with PED in the 2019 capital budget.
2017	3721741805	HCC HP & FOC Lifecycle Renewal	1,022,000	921,887	98,729	1,384	99.9%	R.Ellis	Ongoing in 2018/2019. Lifecycle renewal priorities at HCC, FOC and FOCH (formerly HP) are currently underway.
2017	3721751701	HP Audio Equipment Repair&Repl	60,000	44,270	4,506	11,224	81.3%	R.Ellis	Ongoing in 2019.
2018	3721841801	Program FirstOntario Concert Hall Replacements and Renovations	213,200	189,017	14,275	9,907	95.4%	R.Ellis	Ongoing in 2019.
2018	3721841805	Program HCC, FOCH & FOC Lifecycle Renewal	520,300	267,322	115,690	137,288	73.6%	R.Ellis	Ongoing in 2019.
2018	3721851801	First Ontario Centre Vertical Transportation	4,300,000	118,233	3,371,945	809,822	81.2%	R.Ellis	Tender awarded. Construction ongoing. New elevators & escalators are long lead time orders currently underway.

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2018	3721851803	Hamilton Convention Centre Exterior Restoration Program of Courtyard, Stairwells and Elevate	2,000,000	296,249	1,375,765	327,987	83.6%	R.Ellis	Tender awarded. Construction ongoing from October 2018.
<b><u>Total Entertainment Facilities</u></b>			<b>8,894,500</b>	<b>1,980,415</b>	<b>5,049,007</b>	<b>1,865,079</b>	<b>79.0%</b>		

**Recreation Facilities**

2017	3541755101	Recreation Facilities Audit Program	142,100	122,287	27,588	(7,774)	105.5%	R.Ellis	Reconcile and close 2019
2018	3541855101	Recreation Facilities Audit Program	110,000	11,746	96,721	1,532	98.6%	R.Ellis	Ongoing in 2018/2019
2018	4241809310*	77 Gage Redevelopment Study	250,000	35,876	54,871	159,254	36.3%	R.Ellis	Feasibility study underway. Target Q4 2019 Council report.
2018	4241809311*	77 Gage Community Hub	750,000	13,953	-	736,047	1.9%	R.Ellis	Feasibility study underway. Target Q4 2019 Council report.
2011	7101154710	Senior Centre - Waterdown	1,300,000	1,342,886	114,000	(156,886)	112.1%	S.Gargarello	Construction complete/Facility open. Lower Deficit anticipated. Financial close anticipated in 2019. Mitigation potentially through sale of old centre.
2012	7101254201*	Scott Park-New Senior Centre	23,900,000	24,311,316	384,110	(795,426)	103.3%	J.Warner	Grand Opening December 2018. Add'l costs were incurred due to poor soil conditions. Anticipated deficit will be reconciled prior to project close. Reconcile with PID 7101649602 and through 2020 capital budget process.
2013	7101354105	Park & Fieldhouse Retrofits	1,205,835	1,185,086	-	20,749	98.3%	L.Keermaa	Reconcile then CLOSE, pending land sale.
2013	7101354202*	New Dalewood Community Centre	1,900,000	1,642,784	179,757	77,459	95.9%	H.Quintero	Construction complete. Waiting for commitments to clear. Project to financially close in 2019.
2014	7101454202	Waterdown Memorial Pk Ice Loop	3,340,000	3,248,534	91,019	447	100.0%	K.Berry	Construction complete. Project to financially closed in 2019, pending completion of public art.
2014	7101454704	HPRC Independence from School	99,000	170,358	-	(71,358)	172.1%	H.Quintero	Reconcile with 7101854811. Reconcile then CLOSE in 2019.
2014	7101454710	SWL Rec Cntr Independence	1,648,000	1,270,993	126,100	250,907	84.8%	H.Quintero	Construction complete. Project to Close financially in 2018, to be reconciled with 7101754805.
2015	7101541706	Recreation Centre Retrofits	218,969	218,973	728	(732)	100.3%	R.Ellis	Close next BER pending PO closure
2015	7101551501	Facility Vehicles	160,000	87,352	-	72,648	54.6%	R.Ellis	Facilities Operations completed specifications for a vehicle RFT. Some vehicles were replaced. Additional vehicle replacements anticipated in 2019.

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2015	7101554506	Valley Park Community Ctr-Expn	300,000	134,867	40,632	124,501	58.5%	R.Ellis	Valley Park Recreation Centre renos are targeting a 2019 tender.
2015	7101554507	Chedoke Arena Roof	1,200,000	1,159,728	-	40,272	96.6%	R.Ellis	Reconcile with Roof Program then CLOSE.
2015	7101554508	Public Use Feasibility Study	150,000	136,996	7,023	5,981	96.0%	R.Ellis	Phase 1 of the Recreation Indoor Use study presented to E & CS Committee in Q3 2016. Phase 2 was deemed necessary, ongoing in 2019.
2015	7101554509*	Mohawk Track - Redesign	900,000	882,399	20,667	(3,066)	100.3%	R.Ellis	Construction complete. Ribbon cutting was Oct. 21 2017. Financial close anticipated in 2019.
2015	7101554510	Dundas JLGrightmire Arena Reno	7,000,000	5,504,189	1,724,491	(228,680)	103.3%	R.Ellis	Construction 80% complete. Staff reported to Council with updates on this project. Contractor's current schedule shows substantial completion in Q2 2019. City's priority is to ensure hockey and community groups get back into the completed arena
2015	7101558501	Parkdale Outdoor Pool Redev	1,225,000	185,239	91,815	947,946	22.6%	R.Ellis	Design well underway in 2018/2019. Additional funding approved in 2019 budget (cashflowed) to allow construction tender targeting advertisement for end of 2019.
2016	7101641601	Ancaster Aquatic Centre Refurbishment	1,375,000	1,382,890	-	(7,890)	100.6%	R.Ellis	Canada 150 and Ontario 150 Project. Construction completed. Public opening took place October 14 2017. Financial close anticipated in 2019
2016	7101641701	Program - Community Halls Retrofits	550,000	397,749	215,783	(63,532)	111.6%	R.Ellis	Deficit to be mitigated through the annual program and closure of PO's
2016	7101649601	Bernie Arbour Stadium - Upgrades	300,000	174,723	6,061	119,216	60.3%	R.Ellis	Improvements underway and ongoing in 2019.
2016	7101649602*	Scott Park Precinct Ice Pad & Spray Pad Installation	2,400,000	1,862,840	574,110	(36,950)	101.5%	R.Ellis	Grand opening February 2019. Reconcile with PID 7101254201, mitigate through 2020 capital budget as needed and close.
2016	7101654536	Program - Arena Retrofits	561,250	453,724	15,289	92,237	83.6%	R.Ellis	Arena projects ongoing in 2019. Once completed, reconcile with annual program then close.
2016	7101654603	Beverly Recreation Centre/School	1,800,000	111,264	62,233	1,626,503	9.6%	R.Ellis	HWDSB awarded the tender of Phase 1 (school) to a contractor and construction underway. COH fit-up of City's community space will follow Phase 1 HWDSB construction completion. Collaboration with HWDSB ongoing.
2016	7101654608	William Schwenger Park Washroom Facility	500,000	504,545	11,347	(15,891)	103.2%	R.Ellis	Construction complete. Facility is open. Financial close in 2019.

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2016	7101654609	Greensville Recreation Centre/School	1,800,000	257,365	66,415	1,476,220	18.0%	R.Ellis	HWDSB will re-tender Q1/Q2 2019 after value-engineering. Collaboration with HWDSB ongoing.
2016	7101654610	Carlisle & Beverly Arena Accessibility Upgrades & Expansion	790,000	783,081	14,675	(7,756)	101.0%	R.Ellis	Canada 150 Projects. Construction complete on time. Project will financially close in 2019.
2016	7101654611	Mt. Hope and Binbrook Hall Renovations & Accessibility Upgrades	1,920,200	1,908,179	59,778	(47,757)	102.5%	R.Ellis	Canada 150 Projects. Binbrook Memorial Hall construction complete Q3 2017. Mt. Hope complete Q1 2018, both on time. Financial close anticipated by Q4 2019.
2016	7101654612*	Bobby Kerr & Trenholme Park Washroom Facilities	850,000	1,057,165	19,464	(226,629)	126.7%	R.Ellis	Projects completed. Amenities opened in 2018. Smaller deficit is anticipated once final invoices are paid. Anticipated deficit will be mitigated through reappropriation and the 2020 capital budget process.
2016	7101654613	Westoby (Olympic) Arena Roof	572,000	469,700	-	102,300	82.1%	R.Ellis	Canada 150 Project completed on time and on budget. Financial CLOSE in 2019.
2016	7101654700	Pinky Lewis Recreation Centre Expansion Project	2,169,000	1,814,880	295,852	58,268	97.3%	R.Ellis	Construction ongoing. Construction completion in 2019. Financial close in 2020/2021.
2016	7101654702	Program - Facility Capital Maintenance	295,000	276,450	36,258	(17,709)	106.0%	R.Ellis	Emergency and maintenance renewal works ongoing in 2018. Anticipated deficit to be mitigated through the annual program.
2016	7101654802*	William Connell Park Washroom Facility	4,485,200	1,302,801	2,873,139	309,260	93.1%	R.Ellis	Construction Phase 1 complete. Phase 2 of construction began after Fall 2018 Council approval. Construction ongoing in 2019. Financial close in 2020-2021.
2016	7101655501	Recreation Studies	36,430	32,845	-	3,585	90.2%	R.Ellis	Reconcile with FCM then CLOSE in 2019.
2017	7101741701	Community Halls Retrofits	85,000	75,259	-	9,741	88.5%	R.Ellis	Community Halls projects ongoing in 2019.
2017	7101741706	Recreation Centre Retrofits	190,700	183,206	9,285	(1,791)	100.9%	R.Ellis	Recreation projects ongoing in 2019.
2017	7101754508	Public Use Feasibility Study	150,000	18,826	3,735	127,439	15.0%	R.Ellis	Ph2 of the Rec Indoor Study is ongoing in 2019 in order to reflect current demographics, community needs, etc.
2017	7101754536	Program - Arena Retrofits	500,000	395,677	25,936	78,387	84.3%	R.Ellis	Arena projects ongoing in 2019.
2017	7101754701	Glanbrook Arena Elevator	800,000	674,584	31,501	93,915	88.3%	R.Ellis	Canada 150 Project completed in 2018. Financial close in 2019.
2017	7101754702	Mountain Arena Elevator	330,000	254,982	25,039	49,980	84.9%	R.Ellis	Canada 150 Project completed on time. Financial close in 2019.

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2017	7101754703	Senior Centre Retrofits	133,300	16,840	-	116,460	12.6%	R.Ellis	Senior Centre Projects ongoing in 2019.
2017	7101754704	Huntington Pk Rec Centre Reno	1,600,000	1,629,072	-	(29,072)	101.8%	R.Ellis	Construction complete. Grand re-opening complete. Largely infrastructure renewal project. Financial close anticipated in 2019.
2017	7101754705	Turner Park Washrooms	662,000	642,217	53,303	(33,520)	105.1%	R.Ellis	Construction completed on time for the Canada 150 project with deadline of March 2018. Washrooms opened in 2018. Financial close in 2019.
2017	7101754708	Waterdown Pool & RecCtr Fsbilty	100,000	46,622	17,024	36,354	63.6%	R.Ellis	Feasibility study underway in 2019 with architect.
2017	7101754709	Wolverton Parkland Imprv&Demo	160,000	71,601	23,802	64,597	59.6%	R.Ellis	Specification complete. Demolition in 2019.
2017	7101754805	SirWilfridLaurier GymRepl Addn	1,100,000	75,141	-	1,024,859	6.8%	R.Ellis	Design RFP advertised Q1 2019 for Prime Design Consultant. Site Plan Control anticipated in 2020, required for building permit. Targeting 2020 construction start.
2017	7101758002	Alexander Park Splashpad	767,502	635,378	12,193	119,931	84.4%	R.Ellis	Construction completed on time and on budget for the Canada 150 project with deadline of March 2018. Spraypad opened 2018. Financial close in 2019, pending capital transfer funds to LAS for implementation of skateboard feature.
2018	7101841213	Flamborough Seniors Recreation Centre Barrier -Free Washroom	220,000	29,812	7,752	182,436	17.1%	R.Ellis	Design complete. Tender in 2019.
2018	7101841701	Program - Community Halls Retrofits	10,000	1,879	-	8,121	18.8%	R.Ellis	Ongoing in 2019.
2018	7101841706	Program - Recreation Centre Retrofits	200,000	136,675	28,855	34,470	82.8%	R.Ellis	Ongoing in 2019.
2018	7101841800	Parks North Yard at Bayfront Park	3,115,000	70,494	82,296	2,962,210	4.9%	R.Ellis	In design phase pending renewed Site Plan Control approval with Planning. Construction anticipated in 2019.
2018	7101845801	Waterdown Mem Pk Parking Lot	680,000	683,791	24,127	(27,918)	104.1%	R.Ellis	Most construction completed in 2018. Revisit top coat & line-painting spring 2019 in better weather. Financial close in 2020.
2018	7101854105	Program - Park & Fieldhouse Retrofits	250,000	109,043	159,346	(18,389)	107.4%	R.Ellis	Work ongoing in 2019. Once commitments have cleared, reconcile from annual program & CLOSE.
2018	7101854508	Public Use Feasibility Needs & Study	150,000	5,387	-	144,613	3.6%	R.Ellis	Ph2 of the Rec Indoor Study is ongoing in 2019 in order to reflect current demographics, community needs, etc.

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2018	7101854536	Program - Arena Retrofits	250,000	156,027	3,160	90,813	63.7%	R.Ellis	Ongoing in 2019.
2018	7101854605*	Sackville Hill Exp	600,000	41,374	-	558,626	6.9%	R.Ellis	2019 WIP \$500K to 7101954905 Feasibility study underway. Target Q4 2019 Council report.
2018	7101854702	Program - Facility Capital Maintenance	200,000	43,752	138,000	18,248	90.9%	R.Ellis	Ongoing in 2019.
2018	7101854703	Program - Senior Centre Retrofits	100,000	20,670	-	79,330	20.7%	R.Ellis	Ongoing in 2019.
2018	7101854803	Domenic Agostino Riverdale Community Centre - Expansion	405,000	28,569	5,560	370,871	8.4%	R.Ellis	In design in 2018/2019. Recreation Report to Council as part of 2020 capital budget process with an update on design.
2018	7101854806	Dundas Lawn Bowling Club Improvements	175,000	1,573	-	173,427	0.9%	R.Ellis	Design complete. Preparing tender for Q2 2019 advertisement and Q3 2019 construction start, after the summer 2019 outdoor season is over.
2018	7101854807	Dundas Valley Community Park Improvement & Pavilion Feasibility	350,000	144,114	35,748	170,138	51.4%	R.Ellis	Construction nearing completion for pavilion. Washroom design complete, however deferral of the construction is under consideration in consultation with stakeholders.
2018	7101854810*	Durand Washroom Facility	303,000	70,277	197,070	35,652	88.2%	R.Ellis	Construction nearing completion. Financial close in 2020.
2018	7101854811	Hill Park Recreation Centre - Renovation	232,000	112,422	-	119,578	48.5%	R.Ellis	Ongoing in 2018. Reconcile with 7101454704.
2018	7101854815	Westoby (Olympic) Arena Parking Lot Resurfacing	388,000	14,710	381,170	(7,880)	102.0%	R.Ellis	Construction awarded and work nearing completion on Westoby/Olympic Parking Lot. Weather-dependent top-coat to be completed spring 2019. Financial close in 2020.
2018	7101858802	Maplewood Park Washroom Lifecycle Repairs	1,000	607	-	393	60.7%	R.Ellis	Work complete by LAS and funds appropriated for use in Recreation renovation. Reconcile then CLOSE in 2019.
<b>Total Recreation</b>			<b>80,410,486</b>	<b>60,846,343</b>	<b>8,474,828</b>	<b>11,089,315</b>	<b>86.2%</b>		

**Transportation**

2005	5300583504	Fare Cards-System Enhancement	7,500,000	6,882,441	72,165	545,393	92.7%	N.Purser	Multi-year implementation underway. Initial installation complete. Still outstanding: Para transit - begin Q1 2019, self service devices - Q3 2019.
2011	5301185001	Customer Service Software	720,000	608,176	-	111,824	84.5%	D.Guy	Pending completion of digital route book install; estimated completion Q1 2019.
2013	5301384001	Rapid Transit - Quick Wins	11,993,000	8,640,868	543	3,351,588	72.1%	J.Vander Heide	Surplus funds to be coordinated with CF Limeridge Master Plan redevelopment.
2013	5301384002	Mobility Programs	422,500	306,369	91,742	24,389	94.2%	J.Vander Heide	Project to be closed in 2019. Deficit to be mitigated through closure of PO's.

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2015	5301555500	Mtnc&Storage FacilityExpn Stdy	150,000	4,568	-	145,432	3.0%	J.Vander Heide	Funds to be transferred to 5301641500 and project closed.
2015	5301583501	Transit Hybrd Bus Battery Repl	601,000	131,147	-	469,853	21.8%	M.Selkirk	Ongoing.
2015	5301584501	Trapeze EAM Fleet Mmgnt	800,000	469,656	218,758	111,586	86.1%	D.Guy	Pending PW EAM review.
2016	5301641100	330 Wentworth HSR Storage	311,000	209,440	3,950	97,610	68.6%	J.Vander Heide	On Hold.
2016	5301641500	Transit Storage Facility	4,300,000	3,472,803	65,906	761,291	82.3%	J.Vander Heide	Ongoing Facilities Management expenditures.
2016	5301683503	Nonrevenue Vehicle Replace Program	127,000	24,294	-	102,706	19.1%	M.Selkirk	Ongoing.
2016	5301684503	Security Cameras on Buses	1,700,000	1,510,816	225,079	(35,895)	102.1%	M.Selkirk	Project complete. P.O.'s to be closed.
2017	5301749700	Garage Door Repl - MTC	1,320,000	742,053	252,704	325,243	75.4%	J.Vander Heide	Substantially complete. PTIF funding extended to March 31, 2020.
2017	5301749701	Transit Capital Infrastructure	6,000,000	957,690	213,349	4,828,960	19.5%	J.Vander Heide	Multi-year construction (2018/19). PTIF funding extended to March 31, 2020.
2017	5301751500	Replace Bus Hoists	7,025,000	2,852,831	-	4,172,169	40.6%	M.Selkirk	Ongoing. Q4 2019.
2017	5301751701	HVAC Upgrades-2200 Upper James	650,000	612,004	-	37,996	94.2%	M.Selkirk	Project complete. Project in warranty phase.
2017	5301755700	Transit Priority Measures	1,500,000	124,002	489,000	886,998	40.9%	J.Vander Heide	Multi-year software and hardware installation (2018/19). PTIF funding extended to March 31, 2020.
2017	5301783100	2017 HSR Bus Replacement	14,400,000	10,537,778	1,191,150	2,671,072	81.5%	M.Selkirk	PO's to be closed once complete.
2017	5301783503	2017 Non-Rev Vehicle Replace	85,000	-	-	85,000	0.0%	M.Selkirk	Ongoing.
2017	5301783700	HSR Bus Expansion Prgm-10 Yr	10,380,000	9,681,209	1,734,827	(1,036,035)	110.0%	M.Selkirk	Ongoing. Variance due to PO commitment. This is a 10 year project. Variance will be offset through the 2020 Capital Budget.
2017	5301783701	Non Revenue Vehicle Exp-Growth	400,000	-	-	400,000	0.0%	M.Selkirk	Ongoing.
2017	5301784700	Radio Equipment Replacement	3,000,000	2,002,472	16,000	981,528	67.3%	D.Guy	Final PO sent to Bell third week of Feb. 2019; once invoiced and paid, direction will be given to close.
2017	5301784707	Rapid Ready & 10yr Strategy	550,000	-	-	550,000	0.0%	J.Vander Heide	Studies to be initiated at future date (possibly 2019).
2017	5301784710	Automated Passenger Counters	2,200,000	2,207,070	-	(7,070)	100.3%	D.Guy	Once funding is complete, can be closed.

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2017	5301785602	Shelter Expansion & Rehab	7,043,000	225,305	4,058,674	2,759,021	60.8%	J.Vander Heide	RFP awarded. Multi-year implementation (2018/19). Substantial completion anticipated by year end 2019. PTIF funding extended to March 31, 2020.
2017	5301785700	Bus Wash Rack Replacement	880,000	772,593	105,405	2,002	99.8%	M.Selkirk	Ongoing door and washrack. Completion date Q1 2019.
2017	5301785701	Transit Mtnc&Storage Facility	22,000,000	1,395,131	5,169,400	15,435,469	29.8%	J.Vander Heide	Multi-year design and remediation works (2018/19). PTIF funding extended to March 31, 2020.
2017	5301785702	Express Bus (L-A-S-T Lines) Enhanced Passenger Amenities	420,000	-	-	420,000	0.0%	J.Vander Heide	Project ongoing.
2017	5301785703	Limeridge Mall Terminal Redev	2,500,000	-	-	2,500,000	0.0%	J.Vander Heide	Awaiting agreement with CF Limeridge management. Ongoing.
2017	5301785704	Sustainable NetworkConnections	3,025,000	2,375,964	273,107	375,929	87.6%	J.Vander Heide	Project complete. PO's to be closed after year-end.
2017	5301785708	Customer Service Software	2,400,000	1,134,665	331,396	933,939	61.1%	D.Guy	Ongoing: completion targeted for December 31, 2019.
2018	5301883100	2018 HSR Bus Replacement	17,485,000	996,094	13,244,183	3,244,722	81.4%	M.Selkirk	Completion date Q3 2019.
2018	5301883503	2018 Non-Rev Vehicle Replace	103,000	-	-	103,000	0.0%	M.Selkirk	Ongoing.
2018	5301884801	Transit Network Review	800,000	-	-	800,000	0.0%	J.Vander Heide	Project initiated. Multi-year study (2018/19). Currently in survey stage. PTIF extended to March 31, 2020.
2018	5301885801	Exterior Upgrades to MTC	3,900,000	71,651	61,868	3,766,481	3.4%	J.Vander Heide	Design Consultant retained. Multi-year project (2018/19). PTIF funding extended to March 31, 2020.
2018	5301885802	Upgrade Operator Seats	455,000	-	-	455,000	0.0%	M.Selkirk	Estimated completion Q4 2019.
2018	5301885803	Terminal and End Line Rehab	75,000	162	-	74,838	0.2%	J.Vander Heide	2019 - Ongoing.
2018	5301885804	Bus Shelter Rehabilitation	125,000	2,351	-	122,649	1.9%	M.Selkirk	Ongoing. Completion Q4 2019.
2011	5311182002	ATS Mobile Data Terminals	1,125,000	710,558	-	414,442	63.2%	D.Guy	Ongoing: fleet acquisition is not complete.
<b>Total Transportation</b>			<b>138,470,500</b>	<b>59,662,163</b>	<b>27,819,206</b>	<b>50,989,131</b>	<b>63.2%</b>		

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<b>Roads - Engineering Services</b>									
2009	4030957950	Right of Way AM Business - RAMBO	1,038,500	892,859	-	145,641	86.0%	R.Andoga / A.Jazvac	Ongoing - work in progress. Project is currently active with ongoing calibration and development. Possible program improvement necessary to be complete in 2019 pending audit.
2011	4031118126	Bridge 163 - Centennial Parkway North, 540m n/o Barton	14,690,000	11,017,763	2,168,377	1,503,860	89.8%	M.Oddi	Construction complete. Awaiting billing from CN
2012	4031218212	Bridge 185 - Bay St N - 65m s/o Strachan St W	500,000	64,118	-	435,882	12.8%	M.Oddi	Construction complete. Awaiting billing from CN
2012	4031218228	Bridge 248 - King St W 145 m w/o Bond St	438,000	132,096	302,525	3,379	99.2%	R.Andoga / T.McClung	Ongoing multi-year project. Class EA/ESA study complete. Design that was scheduled in 2017 has been deferred to 2018/2019 due to EA and Heritage Impact Study delays, Construction deferred to 2021.
2012	4031218222	Bridge 329 - Burlington St E at Wilcox St	350,000	150,565	-	199,435	43.0%	R.Andoga / T.McClung	Ongoing - multi-year project. Design funding not used from 2017 is to be used to complete EA in 2019. Construction has been deferred to 2024
2012	4031218225	Bridge 391 - Governor's Rd, 275m w/o Weir Rd	2,049,000	1,741,763	295,503	11,734	99.4%	M.Oddi	Complete - pending final review/audit/payment
2012	4031218526	Bridge 451 - Hwy 5 E, 120m e/o Mill St S	550,000	254,847	123,546	171,607	68.8%	R.Andoga / T.McClung	Ongoing - multi-year project. Ongoing Functional & Archaeological review, 2017 Design, Construction 2024.
2014	4031418426	Bridge 088 - Mill St	1,799,000	1,776,020	17,428	5,552	99.7%	M.Oddi	Complete - pending final review/audit/payment
2014	4031418430	Bridge 344 - Concession 5W	650,000	532,778	52,252	64,971	90.0%	M.Oddi	Complete - pending final review/audit/payment
2014	4031418438	Bridge 397 - Glancaster Road	490,000	228,932	6,763	254,305	48.1%	M.Oddi	Complete - pending final review/audit/payment
2014	4031418437	Bridge 417 - Harrison Road	650,000	64,478	10,000	575,522	11.5%	Andoga/ McClung	Ongoing multi-year project. Design ongoing and Construction in 2019
2014	4031418447	Bridge 447 - Bell Rd	570,000	423,490	50,271	96,239	83.1%	M.Oddi	Complete - pending final review/audit/payment
2014	4031418436	Bridge 449 - Hwy 52	2,450,000	2,424,876	65,794	(40,671)	101.7%	M.Oddi	Complete - pending final review/audit/payment
2014	4031418425	Bridge 450 - Highway No 5	1,950,000	1,663,100	172,914	113,987	94.2%	M.Oddi	Complete - pending final review/audit/payment
2014	4031412002	Perimeter Rd - Property Maintenance	349,338	64,276	750	284,312	18.6%	P.McNab	Project required for rent and maintenance
2014	4031419101	Road Reconstruction Program - 2014	18,080,000	16,521,457	1,442,833	115,711	99.4%	M.Oddi / P.McNab	Multi-year project. Rymal - Garth to West 5th construction 2018, surface asphalt 2019. Surplus unknown until completion of all projects.

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2015	4031518360	Bridge 360 - Blackheath Rd, 360m n/o Haldibrook	730,000	44,813	29,695	655,491	10.2%	R.Andoga / T.McClung	Ongoing multi-year project. Design ongoing and Construction 2019.
2015	4031518405	Bridge 405 - Blackheath Rd, 225m n/o Haldibrook Rd	700,000	58,140	1,389	640,471	8.5%	R.Andoga / T.McClung	Ongoing multi-year project. Design ongoing and Construction 2019.
2015	4031560999	Closed Projects - Roads	367,725	115,341	286,250	(33,866)	109.2%	M.Oddi / P.McNab	This project is primarily used to hold the contingency lines of purchase orders for several completed works until the maintenance period has expired. This allows for the closure all of the original project ID. % spent is dependent on maintenance required.
2015	4031518533	Hwy 8 Culvert (Dundas Hill) - 230 m n/o Springhill Rd	750,000	660,207	37,678	52,115	93.1%	M.Oddi	Complete - pending final review/audit/payment
2015	4031519101*	Road Reconstruction Program - 2015	9,370,000	8,778,079	226,492	365,430	96.1%	M.Oddi / P.McNab	Multi-year project. 5 of 6 project awarded. Hwy 8 - Bridge over Spencer Creek to Hillcrest is construction 2020.
2016	4031611016	Asset Preservation - Local Roads - 2016	7,700,000	7,644,973	10,295	44,732	99.4%	M.Oddi / P.McNab	Close Next BER
2016	4031618090	Bridge 090 - McMurray	250,000	46,137	-	203,863	18.5%	Andoga/ McClung	Ongoing multi-year project. Design in 2018, Construction in 2020
2016	4031618355	Bridge 355 - White Church	1,220,000	1,227,702	23,198	(30,900)	102.5%	M.Oddi	Complete - pending final review/audit/payment
2016	4031618385	Bridge 385 - Westover Rd	650,000	69,393	9,645	570,961	12.2%	R.Andoga / T.McClung	Ongoing multi-year project. Design ongoing and Construction 2019.
2016	4031614405	Contaminated Soil & Rock Disposal 2016	637,000	493,544	35,397	108,060	83.0%	R.Andoga / P.McNab	Ongoing - work in progress. % spent is dependant upon contaminated soil/excess rock discovered at time of construction.
2016	4031611601*	CP Minor Mntce Ward 1	560,310	191,638	-	368,672	34.2%	R.Andoga / P.McNab	% spent based on Councillor requests.
2016	4031611610*	CP Minor Mntce Ward 10	500,340	318,984	-	181,356	63.8%	R.Andoga / P.McNab	% spent based on Councillor requests. \$50k earmarked for 2019 concrete repairs.
2016	4031611611*	CP Minor Mntce Ward 11	1,053,960	586,187	10,660	457,113	56.6%	R.Andoga / P.McNab	% spent based on Councillor requests. \$60k earmarked for Springside Dr - hydro corridor to Spalding Drive - road repairs. Springside Dr works complete and contractor paid. Close once journal is done.

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2016	4031611612*	CP Minor Mntce Ward 12	1,543,660	123,029	-	1,420,631	8.0%	R.Andoga / P.McNab	% spent based on Councillor requests. \$860k earmarked for Ancaster Arts Centre.
2016	4031611613*	CP Minor Mntce Ward 13	1,655,310	946,553	46,810	661,946	60.0%	R.Andoga / P.McNab	% spent based on Councillor requests. \$75k for sidewalks on Creekside Dr and \$50k for 2019 concrete repairs.
2016	4031611614*	CP Minor Mntce Ward 14	1,035,420	481,177	20,961	533,282	48.5%	R.Andoga / P.McNab	% spent based on Councillor requests. \$207k earmarked for paving of various parking lots.
2016	4031611615*	CP Minor Mntce Ward 15	732,990	475,111	30,711	227,168	69.0%	R.Andoga / P.McNab	% spent based on Councillor requests. \$40k earmarked for William Street - Closure
2016	4031611602*	CP Minor Mntce Ward 2	521,310	326,606	77,249	117,455	77.5%	R.Andoga / P.McNab	% spent based on Councillor requests.
2016	4031611603*	CP Minor Mntce Ward 3	1,748,450	1,311,210	277,706	159,534	90.9%	R.Andoga / P.McNab	% spent based on Councillor requests. \$30k earmarked for traffic calming on Fife and \$75k for 2019 concrete repairs.
2016	4031611604*	CP Minor Mntce Ward 4	1,186,890	631,830	-	555,060	53.2%	R.Andoga / P.McNab	% spent based on Councillor requests. \$100k earmarked for 2019 concrete repairs.
2016	4031611605*	CP Minor Mntce Ward 5	1,211,300	759,169	30,628	421,504	65.2%	R.Andoga / P.McNab	% spent based on Councillor requests
2016	4031611606*	CP Minor Mntce Ward 6	1,549,160	1,349,144	54,684	145,332	90.6%	R.Andoga / P.McNab	% spent based on Councillor requests. \$140k earmarked for road resurfacing and minor sidewalk works on Rochelle Ave. and \$5k for 2019 concrete repairs.
2016	4031611607*	CP Minor Mntce Ward 7	1,367,960	370,755	-	997,205	27.1%	R.Andoga / P.McNab	% spent based on Councillor requests - \$100k earmarked for Springside - Rymal to Hydro corridor and \$90k for Eleanor - Dulgaren to Eaglewood. Springside and Eleanor works complete and contractor paid. Close once journal is done. \$230k earmarked for 2019 concrete and asphalt repairs.
2016	4031611608*	CP Minor Mntce Ward 8	2,081,830	1,569,543	221,962	290,325	86.1%	R.Andoga / P.McNab	% spent based on Councillor requests. \$76k earmarked for 2019 concrete repairs.
2016	4031611609*	CP Minor Mntce Ward 9	1,551,700	907,851	41,733	602,116	61.2%	R.Andoga / P.McNab	% spent based on Councillor requests. \$20k earmarked sidewalks on Neil and \$200k for sidewalks on Mountain Ave (east side only) - 300m n/o Jones to Collegiate (2019 construction).
2016	4031619104	Highway 8 - Hillcrest to Park	230,000	78,517	59,000	92,483	59.8%	R.Andoga / A.Jazvac	Funding for design. Any unspent surplus to be carried over to 2020 construction.
2016	4031619101	Road Reconstruction Program - 2016	5,660,000	5,593,583	79,239	(12,822)	100.2%	M.Oddi / P.McNab	Complete - pending final review/audit/payment.
2016	4031611015	Road Resurfacing Program - 2016	4,430,000	4,337,907	25,594	66,499	98.5%	M.Oddi / P.McNab	Complete - Close once commitments are paid/cleared

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2016	4031617642	Sherman Access Retaining Wall	3,800,000	3,290,345	497,776	11,878	99.7%	M.Oddi	Complete - pending final review/audit/payment
2016	4031655522	State of the Infrastructure - Asset Management	600,000	24,115	135,850	440,035	26.7%	R.Andoga / A.Jazvac	Pavement condition assessment and analysis to be carried out citywide in 2019. Project tender and award imminent
2016	4031618219	Structural Investigations and Reports - 2016	400,000	200,574	168,053	31,373	92.2%	R.Andoga/ T.McClung	Complete - Close once commitments are paid/cleared
2017	4241709502*	AR - Covington - Barton to Cascade (New Sidewalk) (W5 A/R)	120,000	102,562	15,126	2,313	98.1%	M.Oddi	Complete - pending final review/audit/payment
2017	4241709602*	AR - Fennell - Upper Gage to Upper Ottawa (W6 A/R)	800,000	506,592	104,336	189,071	76.4%	M.Oddi	Complete - pending final review/audit/payment. \$189k area rating surplus at this time.
2017	4241709201*	AR - Ferguson Ave N - Simcoe to Burlington (W2 A/R)	1,400,000	4,162	5,975	1,389,863	0.7%	R.Andoga / A.Jazvac	2019 project tender and award imminent
2017	4241709603*	AR - Fern / Doreen / Tilbury / Filer / Cecilia (W6 A/R)	300,000	201,253	41,735	57,013	81.0%	M.Oddi	Complete - pending final review/audit/payment. \$57k area rating surplus at this time.
2017	4241709203*	AR - James - Duke to Bridge (W2 A/R)	150,000	100,827	12,517	36,655	75.6%	M.Oddi	Complete - pending final review/audit/payment. \$36k area rating surplus at this time.
2017	4241709501*	AR - Kentley Dr / Crawford Dr / Hart Pl (W5 A/R)	300,000	152,036	107,836	40,128	86.6%	M.Oddi	Complete - pending final review/audit/payment. \$40k area rating surplus at this time.
2017	4241709802*	AR - San Francisco / San Pedro / Goulding (W8 A/R)	1,300,000	1,085,849	212,626	1,525	99.9%	M.Oddi	Complete - pending final review/audit/payment
2017	4241709803*	AR - Upper Horning (north of LINC) / Appleford / Millstream (W8 A/R)	400,000	315,396	3,294	81,310	79.7%	M.Oddi	Complete - pending final review/audit/payment. \$81k area rating surplus at this time.
2017	4241709804*	AR - Upper Horning (south of LINC) / Adis Ave (W8 A/R)	1,080,000	950,991	9,881	119,127	89.0%	M.Oddi	Complete - pending final review/audit/payment. \$119k area rating surplus at this time.

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2017	4241709601*	AR - Upper Ottawa - Reno to Mountain Brow (W6 A/R)	1,850,000	1,319,320	104,114	426,566	76.9%	M.Oddi	Complete - pending final review/audit/payment. \$427k area rating surplus at this time.
2017	4241709505*	AR - Road Work Mount Albion (W5 A/R)	800,000	702,558	86,343	11,099	98.6%	M.Oddi	Complete - pending final review/audit/payment
2017	4031711016*	Asset Preservation - Local Roads - 2017	11,860,000	10,494,043	319,592	1,046,365	91.2%	M.Oddi / P.McNab	6 of 6 projects complete. \$1m surplus available to date.
2017	4031718452	Bridge 452 - Centennial Pkwy, 990m n/o Ridge	100,000	79,989	10,409	9,602	90.4%	R.Andoga / T.McClung	CLOSE once PO is paid. Project deferred, Design rebudgeted for 2023 and construction for 2026
2017	4031755333	Butternuts on Beckett	50,000	9,870	35,693	4,437	91.1%	M.Becke	As per the Ministry of Natural Resources, this project is required for the monitoring of new tree plantings until 2020.
2017	4031711225	Geotechnical Investigation Program - 2017	200,000	157,861	20,350	21,789	89.1%	R.Andoga / A.Jazvac	Complete - Close once commitments are paid/cleared
2017	4031780180	Mohawk - Wilson to Hwy 403	150,000	51,255	99,305	(561)	100.4%	E.Waite / M.Salvucci	Study underway with an anticipated final report in Q1 2019
2017	4031711222	New Sidewalk Program - 2017	490,000	297,103	24,132	168,765	65.6%	M.Oddi / P.McNab	Ongoing - work in progress
2017	4031711777	Pavement Degradation Funds	2,234,012	-	-	2,234,012	0.0%	G.McGuire	Holding account for fees collected for pavement degradation through the road cuts program. To be used to offset road rehabilitation/reconstruction costs.
2017	4031719101	Road Reconstruction Program - 2017	2,371,000	2,064,878	271,609	34,514	98.5%	M.Oddi / P.McNab	Complete - pending final review/audit/payment.
2017	4031711015	Road Resurfacing Program - 2017	5,100,000	4,399,998	390,852	309,150	93.9%	M.Oddi / P.McNab	Multi-year project. 3 of 4 projects tendered. Southcote - Calder to Garner is design only with construction proposed in 2022.
2017	4031755522	State of the Infrastructure - Asset Management	400,000	46,095	-	353,905	11.5%	R.Andoga / A.Jazvac	Various reporting currently under development including Asset Management Plan for Provincial Compliance. Further budget allocations suspended.
2017	4031718219	Structural Investigations and Reports - 2017	362,000	70,884	42,030	249,087	31.2%	R.Andoga / T.McClung	Ongoing - work in progress
2018	4241809402*	AR - Barnaby Corbett etc. (W4 A/R)	1,360,000	686,216	154,312	519,473	61.8%	M.Oddi	Complete - pending final review/audit/payment. \$520k area rating surplus at this time.
2018	4241809502*	AR - Bow Valley Dr (W5 A/R)	670,000	334,558	72,340	263,102	60.7%	M.Oddi	Complete - pending final review/audit/payment. \$263k area rating surplus at this time.

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2018	4241809501*	AR - Dumbarton - Rosedale (W5 A/R)	300,000	177,684	100,072	22,243	92.6%	M.Oddi	Complete - pending final review/audit/payment. \$22k area rating surplus as a result of favourable tender.
2018	4241809601*	AR - Fennell - Sherman to Gage (W6 A/R)	800,000	773,245	32,443	(5,688)	100.7%	M.Oddi	Complete - pending final review/audit/payment. Deficit unlikely, pending two year maintenance.
2018	4241809701*	AR - Mall - private rd to Mohawk (W7 A/R)	350,000	272,950	30,143	46,907	86.6%	M.Oddi	Complete - pending final review/audit/payment. \$47k area rating surplus as a result of favourable tender.
2018	4241809503*	AR - Road Repair & Rehab (W5 A/R)	430,000	247,603	106,680	75,717	82.4%	M.Oddi	Complete - pending final review/audit/payment (Vincent North/Davis Creek)
2018	4241809203*	AR - Road Surface Treatment (W2 A/R)	600,000	-	-	600,000	0.0%	R.Andoga / A.Jazvac	Allocation of area rating funds to be discussed with the Councillor.
2018	4241809702*	AR - Thorner NHBD (North) (W7 A/R)	1,000,000	610,841	198,187	190,971	80.9%	M.Oddi	Complete - pending final review/audit/payment. \$191k area rating surplus as a result of favourable tender.
2018	4241809604*	AR - Up Gage - 7th to Concession (W6 A/R)	1,010,000	814,344	192,674	2,982	99.7%	M.Oddi	Complete - pending final review/audit/payment. \$3k area rating surplus as a result of favourable tender.
2018	4241809705*	AR - Upper Sherman Resurfacing (W7 A/R)	1,370,000	12,616	97,602	1,259,782	8.0%	M.Oddi	Complete - pending final review/audit/payment. \$1.26m surplus to be returned to Area Rating reserve.
2018	4241809703*	AR - Viceroy - Callie northerly (W7 A/R)	200,000	129,868	41,695	28,436	85.8%	M.Oddi	Complete - pending final review/audit/payment. \$28k area rating surplus as a result of favourable tender.
2018	4031811016	Asset Preservation - Local Roads - 2018	4,700,000	3,631,376	919,433	149,191	96.8%	M.Oddi	Complete - pending final review/audit/payment
2018	4031818217	Bridge & Culvert Maintenance - 2018	2,000,000	1,524,114	370,440	105,447	94.7%	R.Andoga / R.Sandoval	The total balance will be used to fund Contract C13-31-18 once the PO is issued.
2018	4031818089	Bridge 089 - Creighton Rd	200,000	53,068	7,183	139,749	30.1%	R.Andoga / T.McClung	Ongoing multi-year project. Technical Study in 2018, ESA deferred to 2019. Design in 2019, Construction in 2022
2018	4031818108	Bridge 108 - Indian Trail	130,000	17,217	-	112,783	13.2%	R.Andoga / T.McClung	Ongoing multi-year project. Design in 2018, ESA deferred to 2019. Construction in 2021
2018	4031818150	Bridge 150 - Tapleystown Rd	200,000	35,974	8,106	155,921	22.0%	R.Andoga / T.McClung	Ongoing multi-year project. Design/ESA in 2018, Construction in 2020
2018	4031818159	Bridge 159 - RR 56 near Hall	200,000	5,361	12,175	182,464	8.8%	R.Andoga / T.McClung	Ongoing multi-year project. ESA in 2018, Design in 2019, Construction in 2021
2018	4031818189	Bridge 189 - RR 56 near Kirk	200,000	5,555	6,061	188,384	5.8%	R.Andoga / T.McClung	Ongoing multi-year project. ESA in 2018, Design in 2019, Construction in 2021
2018	4031818296	Bridge 296 - Governors Rd	170,000	52,197	8,910	108,893	35.9%	R.Andoga / T.McClung	Ongoing multi-year project. Technical Study in 2018, ESA in 2019, Design in 2020, Construction in 2022.
2018	4031818313	Bridge 313 - Arkledun Ave	350,000	46,353	-	303,647	13.2%	R.Andoga / T.McClung	Construction deferred from 2018 to 2019.

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2018	4031818366	Bridge 366 - Mud St W	1,100,000	18,324	33,423	1,048,253	4.7%	R.Andoga / T.McClung	Ongoing multi-year project. Design 2018 and Construction 2019.
2018	4031818404	Bridge 404 - Harrison Rd	170,000	22,514	-	147,486	13.2%	R.Andoga / T.McClung	Ongoing multi-year project. Design funding in 2018, however design will start in 2019 due to delays with hydraulic study. Construction in 2022.
2018	4031818407	Bridge 407 - Queenston Rd	130,000	27,671	7,154	95,175	26.8%	R.Andoga / T.McClung	Ongoing multi-year project. Design/ESA in 2018, Construction in 2020.
2018	4031818437	Bridge 437 - Miles Rd	130,000	18,540	6,316	105,145	19.1%	R.Andoga / T.McClung	Ongoing - multi-year project. Design in 2018 and Construction 2020
2018	4031818441	Bridge 441 - Harrison Rd	680,000	48,503	-	631,497	7.1%	R.Andoga / T.McClung	Ongoing - multi-year project. Design in 2018 and Construction 2019.
2018	4031818444	Bridge 444 - Guyatt Rd	130,000	18,533	12,246	99,222	23.7%	R.Andoga / T.McClung	Ongoing - multi-year project. Design in 2018 and Construction 2020
2018	4031811017	City Wide Road Priorities	5,900,000	3,280,063	990,895	1,629,042	72.4%	M.Oddi	C15-51-18 - Upper Gage Resurfacing and Rehabilitation - LINC to Mohawk & C15-56-18 - Burlington St E - Road & Sidewalk Reconstruction in 2018. Cannon - Sherman to James - Resurfacing 2019 (\$1,650k)
2018	4031817644	Claremont - Bin Wall Removal	450,000	22,514	149,700	277,786	38.3%	R.Andoga / T.McClung	Ongoing multi-year project. Technical Study in 2018, ESA deferred to 2019. Design in 2019, Construction in 2022
2018	4031860999	Closed Projects - Roads	60,000	-	43,682	16,318	72.8%	M.Oddi / P.McNab	This project is primarily used to hold the contingency lines of purchase orders for several completed works until the maintenance period has expired. This allows for the closure all of the original project ID. % spent is dependent on maintenance required.
2018	4031814405	Contaminated Soil & Rock Disposal 2018	400,000	242,238	137,337	20,425	94.9%	Andoga/ McNab	Ongoing - work in progress. % spent is dependant upon contaminated soil/excess rock discovered at time of construction.
2018	4041810004	Escarpment Slope Stabilization Program - 2018	1,000,000	941,695	28,925	29,381	97.1%	R.Andoga / R.Sandoval	To be spent in Q2.
2018	4031811225	Geotechnical Investigation Program - 2018	700,000	484,501	152,018	63,481	90.9%	R.Andoga / A.Jazvac	Ongoing - work in progress
2018	4031819104	Hewitson - Dupont to Barton	760,000	7,972	5,642	746,387	1.8%	R.Andoga / A.Jazvac	2019 project tender and award imminent
2018	4031811020	Main St W Emergency Rd Works	950,000	896,245	70,289	(16,534)	101.7%	M.Oddi	Complete. Possible crack sealing 2019.
2018	4031855556	Mapping Update - 2018	40,000	10,920	26,880	2,200	94.5%	D.Lamont / C.Lauricella	Ongoing - work in progress

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2018	4031810006	Minor Construction - 2018	300,000	103,693	92,584	103,723	65.4%	R.Andoga / P.McNab	Ongoing - work in progress
2018	4031811811	NBHD RD Priorities W11	900,000	674,894	236,780	(11,674)	101.3%	M.Oddi	C15-34-17 (H) - Airport Rd
2018	4031811812	NBHD RD Priorities W12	900,000	498,728	39,898	361,373	59.8%	M.Oddi	Complete C15-16-17 (HSW) - Meadowbrook Resurfacing
2018	4031811813	NBHD RD Priorities W13	900,000	-	-	900,000	0.0%	R.Andoga / A.Jazvac	Funding remains unallocated to any road project. The funding allocation is to be discussed with the Ward Councillor upon completion of the 2018 election
2018	4031811814	NBHD RD Priorities W14	900,000	819,000	-	81,000	91.0%	R.Andoga / P.McNab	Concession 5 & Greensville area - works complete and contractor paid. Close once journal is done.
2018	4031811802	NBHD RD Priorities W2	900,000	654,583	166,740	78,677	91.3%	M.Oddi	C15-34-17 (BR) - Aberdeen & Hunter Resurfacing
2018	4031811803	NBHD RD Priorities W3	900,000	-	-	900,000	0.0%	R.Andoga / A.Jazvac	Funding remains unallocated to any road project. The funding allocation is to be discussed with the Ward Councillor upon completion of the 2018 election
2018	4031811804	NBHD RD Priorities W4	900,000	-	-	900,000	0.0%	R.Andoga / A.Jazvac	Funding remains unallocated to any road project. The funding allocation is to be discussed with the Ward Councillor upon completion of the 2018 election
2018	4031811805	NBHD RD Priorities W5	900,000	702,700	209,455	(12,155)	101.4%	M.Oddi	C15-58-17 (H) - Davis Creek Neighbourhood Resurfacing
2018	4031811806	NBHD RD Priorities W6	900,000	661,441	-	238,559	73.5%	M.Oddi	C15-66-17 (HSW) - Upper Kenilworth Resurfacing
2018	4031811807	NBHD RD Priorities W7	900,000	818,198	95,955	(14,153)	101.6%	M.Oddi	C15-51-18 (H) - Upper Sherman Ave. Resurfacing
2018	4031811808	NBHD RD Priorities W8	900,000	602,447	90,204	207,349	77.0%	M.Oddi	C15-34-17 (BR) - Scenic & Denlow Resurfacing
2018	4031811809	NBHD RD Priorities W9	900,000	292,914	262,153	344,933	61.7%	M.Oddi	C15-64-17 (H) - Athenia Resurfacing
2018	4031818218	OSIM Bridge and Culvert Inspections - 2018	300,000	106,396	92,807	100,798	66.4%	R.Andoga / T.McClung	Ongoing - work in progress
2018	4031849555	QA-QC Service Contract - 2018	150,000	127,157	26,522	(3,679)	102.5%	M.Oddi / P.McNab	Ongoing - work in progress
2018	4041810417	Retaining Wall Rehabilitation - 2018	880,000	578,373	161,638	139,990	84.1%	R.Andoga / R.Sandoval	To be fully spent by Q2-Q3.
2018	4031819101*	Road Reconstruction Program - 2018	7,340,000	2,841,815	2,900,517	1,597,668	78.2%	R.Andoga / A.Jazvac	3 of 5 project awarded. Locke - Herkimer to Main (C15-52-18) and Baldwin / Court - West St. to Dundas St. to be constructed in 2019.

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2018	4031811015	Road Resurfacing Program - 2018	19,800,000	4,355,751	927,299	14,516,950	26.7%	R.Andoga / A.Jazvac	3 of 4 projects awarded. RHVP Rehabilitation resurfacing in 2019.
2018	4031818219	Structural Investigations and Reports - 2018	400,000	68,545	194,934	136,521	65.9%	R.Andoga / T.McClung	Ongoing - work in progress
2019	4041910004	Escarpment Slope Stabilization Program - 2019	1,000,000	35,039	301,087	663,874	33.6%	R.Andoga / R.Sandoval	2019 New Project
2019	4041910417	Retaining Wall Rehabilitation - 2019	850,000	-	-	850,000	0.0%	R.Andoga / R.Sandoval	2019 New Project
<b>Total Roads - Engineering Services</b>			<b>204,876,165</b>	<b>133,492,143</b>	<b>18,886,898</b>	<b>52,497,123</b>	<b>74.4%</b>		

**Roads - Traffic & Operations Maintenance**

2014	4241409106*	AR - W1 Calming Strip & Speed Bumps etc. (W1 A/R)	200,000	63,979	-	136,021	32.0%	E.Soldo / M.White / K.Wyskiel	Safety group is working in consultation with Councillor. Permanent traffic calming installations are being installed.
2014	4031420425	HWDSB - Upper Wentworth & Fieldway	250,000	348,897	-	(98,897)	139.6%	E.Soldo / M.White / K.Wyskiel	This project is to be cost recovered from the school board (funds not recovered yet) Work has been completed and legal is reviewing.
2014	4031420622	North End Traffic Mgmt Plan	1,300,000	1,221,574	85,566	(7,139)	100.5%	E.Soldo / S.Molloy / B.Purins	NETMP Permanent Traffic Calming measures have been constructed. Project is complete.
2014	4031441460	Salt/Sand Storage Rehab	400,000	352,793	37,207	10,000	97.5%	E.Soldo / B.Paul	Anticipate 100% spent/committed Q3 2019
2014	4041416102	Traffic Calming - Various	370,000	349,692	-	20,308	94.5%	E.Soldo / M.White / K.Wyskiel	Remaining funds to be used 2nd quarter 2019. Tender going out for works.
2015	4241509108*	AR - Road Work - Aberdeen from Queen (W1 A/R)	80,000	18,498	-	61,502	23.1%	E.Soldo / M.White / K.Wyskiel	Transportation Master Plan present to Council in June 2018. Pending outcome, the Roster assignment to review Aberdeen can be initiated in Q3 2018 with a completion of Q1 2019.
2015	4241509123*	AR - Traffic Ops - Functional Design (W1 A/R)	50,000	43,500	7,253	(752)	101.5%	E.Soldo / M.White / K.Wyskiel	Report presented to Public Works in 2017. Committee received report with further action pending public engagement. - Kenilworth - Barton to Main
2015	4031555215	Highway 403 Ramp Studies	101,440	50,832	22,913	27,695	72.7%	E.Soldo / M.White / K.Wyskiel	Complete - Close once commitments are paid/cleared

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2015	4041520525	IPS - Intersection Pedestrian Signal - 2015	497,000	173,268	-	323,732	34.9%	E.Soldo / R.Aitchison	All completed except Parkside/Main - this is 90% completed and will be done 100% this spring.
2015	4041514012	New Traffic Signal - Fifty & South Service Rd (Walmart)	500,000	64,324	-	435,676	12.9%	E.Soldo / R.Aitchison	To be closed once payment received from Walmart.
2015	4041514009	New Traffic Signal - Mall Rd (395 Mohawk Rd E)	160,000	-	-	160,000	0.0%	E.Soldo / M.White / K.Wyskiel	Design is complete, waiting on Hamilton Housing before beginning construction.
2015	4041514011	New Traffic Signal - Parkside and Hollybush	500,000	139,733	5,777	354,490	29.1%	E.Soldo / M.Sokol	Parkside/Hollybush - 90% completed and will be done 100% this spring.
2015	4041511351	Roads - Alleyway Rehabilitation - 2015	41,000	2,668	12,130	26,202	36.1%	E.Soldo	Complete - Close once commitments are paid/cleared
2015	4031541910	Snow Disposal Facility	2,085,000	378,077	134,806	1,572,118	24.6%	E.Soldo / B.Paul	North end land acquisition with Portfolio Mgmt. Group
2016	4241609107*	AR - Ainslie Wood St MP (W1 A/R)	150,000	120,607	33,072	(3,679)	102.5%	E.Soldo / B.Purins	TAC group to meet in March to discuss Consultant recommendations, PIC #2 to be completed late March/early April with final report in Q2 2019
2016	4241609213*	AR - James St Pedestrian Crossover (W2 A/R)	50,000	37,510	3,704	8,786	82.4%	E.Soldo / M.Sokol	James @ Mulberry - underground work completed, above ground to be completed Q2 2019.
2016	4241609106*	AR - Westdale Streets MP (W1 A/R)	150,000	102,848	43,423	3,729	97.5%	E.Soldo / B.Purins	Analysis is underway to determine areas to cover.
2016	4031655643	Area Specific TM Plans	564,970	87,700	209,657	267,613	52.6%	E.Soldo / B.Purin / PM Safety	Aberdeen Report in draft stage. Kenilworth Report completed by AI Kirkpatrick Queen St - Road work to be completed in Summer 2019 Victoria Ave - Pavement Marking design completed. Construction not expected until at least 2020
2016	4041610018	Low-Wattage-LED Replace	9,200,000	8,203,466	360,536	635,997	93.1%	E.Soldo / M.Field	Complete - Close once commitments are paid/cleared
2016	4661620008	New Traffic Signal Installation Program - 2016	1,250,000	654,735	-	595,265	52.4%	E.Soldo / R.Aitchison	Locations Complete - 1400 Up. James/Up. James, Up. James/Inverness, Up. Wellington/Inverness, Gage/Maplewood, Garth/Sanatorium, King/Pearl, Up. Sherman/Rowntree, Governors/Overfield Remaining - Governors/Huntingwood (2019)
2016	4241609217*	Pedestrian Crossover Charlton	5,000	-	-	5,000	0.0%	E.Soldo / M.White / K.Wyskiel	Journal to charge the installation to be completed March 25, 2019

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2016	4241609220*	Pedestrian Crossover Herkimer	5,000	-	-	5,000	0.0%	E.Soldo / M.White / K.Wyskiel	Journal to charge the installation to be completed March 25, 2019
2016	4031651620	Road O&M Fleet Replacement	1,000,000	842,828	-	157,172	84.3%	E.Soldo / B.Popovich / S.Williams	Fleet upgrades (pickup/sander); tender closed, PO req in progress.
2016	4031651410	Roads Small Equip Purchase - 2016	147,002	118,660	28,563	(222)	100.2%	E.Soldo / M.Williams	Complete - Close once commitments are paid/cleared
2016	4031615820	Traffic Counts Program - 2016	150,000	57,110	38,363	54,527	63.6%	E.Soldo / M.White / K.Wyskiel	Funds will be used in 2019 to expand the count program and pro-actively meet the needs of City stakeholders.
2016	4661620540	Traffic Signal Modernization Coordinated with ESI - 2016	1,230,000	668,699	-	561,301	54.4%	E.Soldo / R.Aitchison	All works completed - Locations - Rymal/Garth, Rymal/Up Paradise, Rymal/Divinci
2016	4661620630	Two Way Road Conversion	1,130,000	285,454	11,750	832,796	26.3%	E.Soldo / M.White / K.Wyskiel	Two way conversions progressing as per approved schedule
2016	4031655642	Victoria - 2-way Conversion	360,000	18,742	114,507	226,750	37.0%	E.Soldo / M.White / K.Wyskiel	Two way conversions progressing as per approved schedule
2016	4031641762	Yard Facility Maintenance & Improvement Program - 2016	294,000	262,706	30,652	642	99.8%	E.Soldo / B.Paul	Anticipate 100% spent/committed Q3 2019
2017	4661720001	ATMS - Advanced Traffic Management System - 2017	2,910,000	1,862,909	999,265	47,826	98.4%	E.Soldo / R.Declair	Complete - Close once commitments are paid/cleared
2017	4031741760	Chedoke Yard Salt Dome	91,000	80,034	9,680	1,285	98.6%	E.Soldo / B.Paul	Anticipate 100% spent/committed Q3 2019
2017	4041757723	CMMS Mobile Application	360,000	124,540	142,264	93,196	74.1%	E.Soldo / R.Jakubowski	System ready for implementation Q2-2019
2017	4031717241	Fencing/Sound Barrier Rehab/Replace within Road Allowance - 2017	210,000	66,428	23,273	120,300	42.7%	E.Soldo / G.Berenyi	Waterdown fence - expect spent by Q3 2019

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2017	4031721350	Fleet Additions - Roads O&M - 2017	230,000	142,993	85,007	2,000	99.1%	E.Soldo / B.Popovich / S.Williams	Complete - Close once commitments are paid/cleared
2017	4661720525	IPS - Intersection Pedestrian Signal - 2017	180,000	169,528	7,152	3,320	98.2%	E.Soldo / R.Aitchison	Complete - Close once commitments are paid/cleared, Location - East 37th/Fennell, West 5th/Tyrone
2017	4031755019	Lincoln M. Alexander & Red Hill Valley Parkway Lighting Study	130,000	124,878	5,000	122	99.9%	E.Soldo / M.Field	Complete - Close once commitments are paid/cleared
2017	4661720727	New Traffic Signal - Dundas @ Avonside	250,000	47,793	-	202,207	19.1%	E.Soldo / M.Sokol	Close once \$47k has been recovered from Developer. Sally Yong-Lee investigating.
2017	4661720726	New Traffic Signal - Dundas @ Evans/Skinner	250,000	-	-	250,000	0.0%	E.Soldo / M.Sokol	Development related. Design comments submitted March 2019.
2017	4661720730	New Traffic Signal - Dundurn @ Chatham	375,000	152,475	-	222,525	40.7%	E.Soldo / R.Aitchison	Close once \$50k has been recovered from Developer. Sally Yong-Lee investigating.
2017	4661720725	New Traffic Signal - Upper Sherman @ Acadia Street/Dulgaren	200,000	92,364	-	107,636	46.2%	E.Soldo / R.Aitchison	Close once \$25k has been recovered from Developer. Sally Yong-Lee investigating.
2017	4661720008	New Traffic Signal Installation Program - 2017	705,000	579,075	80,846	45,079	93.6%	E.Soldo / R.Aitchison	Locations Complete - Berry Hill/Dundas, Brucedale/Up. Wellington, Hendershot/RR20, Governors/Huntingwood - this is to be completed in 2019
2017	4031720722	North End Traffic Management Plan (NETMP) Study	250,000	99,693	38,196	112,111	55.2%	E.Soldo / S.Molloy / B.Purins	Studies to be arranged and conducted in Q3 once John St. bridge has been reopened and resurfacing on Ferguson Avenue is complete
2017	4661720722	Overhead Sign Structure	500,000	142,525	2,540	354,935	29.0%	E.Soldo / M.White / K.Wyskiel	Inspections and Critical Repairs complete, tender to go out for maintenance work on signs.
2017	4661720721	Pedestrian Crossovers	1,000,000	393,257	47,715	559,027	44.1%	E.Soldo / R.Aitchison	2017 Program completed, Barton/ Brunswick, Old Ancaster Rd/Rail Trail from 2018 Program not completed but to be done in Q2 2019 Locations built - King/Ogilvie, King/Bond, Caroline/Charlton, Herkimer/Hess
2017	4031710715	Railway Crossings - Review and Upgrades	1,563,000	55,405	113,944	1,393,652	10.8%	E.Soldo / R.Decleir	Review completed, Immediate Improvements to be completed in 2019
2017	4031710012	Railway Roadway Crossings Rehab Program - 2017	150,000	84,775	64,186	1,039	99.3%	E.Soldo / G.Berenyi	Kenora to be paid by Q2 2019 - reviewing invoice w CN (approx. \$140,000)

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2017	4041757722	Road Operations - GPS/AVL Service	470,000	363,783	2,786	103,430	78.0%	E.Soldo / D.Whyte	Additional hardware required, anticipate 100% spent/complete Q4-2019
2017	4031751410	Roads Small Equip Purchase - 2017	50,000	33,469	16,587	(56)	100.1%	E.Soldo / M.Williams	Complete - Close once commitments are paid/cleared
2017	4041710017	Street Lighting Capital Program - 2017	740,000	583,193	132,024	24,783	96.7%	E.Soldo / M.Field	On-going - funding allocated to PW capital construction projects
2017	4041710016	Street Lighting Program - New Lights - 2017	700,000	438,312	44,032	217,657	68.9%	E.Soldo / M.Field	On-going - funding allocated to PW capital construction projects
2017	4661720019	Traffic Controller Replacement - 2017	150,000	-	-	150,000	0.0%	E.Soldo / R.Declair	Program delayed due to late delivery for controllers and cabinets
2017	4661720522	Traffic Engineering - Signal Design - 2017	85,000	56,965	25,931	2,104	97.5%	E.Soldo / R.Aitchison	Complete - Close once commitments are paid/cleared
2017	4661720010	Traffic Signal Modernization & Upgrades Program - 2017	800,000	651,668	53,115	95,218	88.1%	E.Soldo / R.Aitchison	All completed - Locations Completed - Main/Pearl, Barton/Ottawa, Diconzo/Benjamin/Stone Church, Mud/Paramount
2017	4661720540	Traffic Signal Modernization Coordinated with ESI - 2017	750,000	233,965	26,263	489,772	34.7%	E.Soldo / R.Aitchison	Stone Church/Dartnall, Rymal/Upper Sherman completed, Rymal/West 5th 25% done, Rymal/Hazelton 90% complete but delayed by road construction - expected completion Q1 2019
2017	4661720723	Wentworth Trail - Intersection Pedestrian Signal - IPS	210,000	154,893	50,840	4,267	98.0%	E.Soldo / R.Aitchison	Complete - Close once commitments are paid/cleared
2017	4031741762	Yard Facility Maintenance & Improvement Program - 2017	150,000	99,874	49,259	867	99.4%	E.Soldo / B.Paul	Anticipate 100% spent/committed Q3 2019
2018	4661820531	APS - Accessible Pedestrian Signals - 2018	260,000	258,077	-	1,923	99.3%	E.Soldo / J.Cornwell	CLOSE NEXT BER
2018	4241809206*	AR - Corktown Intersection Safety (W2 A/R)	22,000	13,106	-	8,894	59.6%	E.Soldo / B.Purins	Temporary traffic calming measures installed in 2018

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2018	4241809605*	AR - East 45th Pedestrian Signal (W6 A/R)	250,000	30,098	117,156	102,747	58.9%	E Soldo	Anticipate 100% spent/committed Q2 2019
2018	4241809207*	AR - Laneway/Alleyway Maintenance (W2 A/R)	30,000	8,745	-	21,255	29.2%	E Soldo	2018 councillor funded project - Ward 2 - Roads North works performed as requested.
2018	4241809201*	AR - New Signal - John @ Forest (W2 A/R)	200,000	151,592	35,691	12,718	93.6%	E.Soldo / M.Sokol	Complete - Close once commitments are paid/cleared
2018	4241809202*	AR - New Signal- Main & Ferguson (W2 A/R)	200,000	208,512	10,991	(19,503)	109.8%	E.Soldo / M.Sokol	Pavement markings not completed, will be completed once weather permitted.
2018	4241809305*	AR - Pedestrian Crossing - Victoria @ Copeland (W3 A/R)	150,000	-	-	150,000	0.0%	E.Soldo / M.Sokol	In design, completion near Q4 2019
2018	4241809407*	AR - Sidewalks (W4 A/R)	100,000	42,685	-	57,315	42.7%	E.Soldo / B.Marques	CLOSE NEXT BER
2018	4241809505*	AR - Sidewalks & Mountable Curbs (W5 A/R)	411,000	387,475	-	23,525	94.3%	E.Soldo / B.Marques	CLOSE NEXT BER
2018	4241809802*	AR - Sidewalks-Mountable Curbs (W8 A/R)	215,000	45,150	-	169,850	21.0%	E.Soldo / B.Marques	CLOSE NEXT BER
2018	4661820001	ATMS - Advanced Traffic Management System - 2018	790,000	454,190	285,860	49,950	93.7%	E.Soldo / R.Declair	Complete - Close once commitments are paid/cleared
2018	4031817241	Fencing/Sound Barrier Rehab/Replace within Road Allowance - 2018	150,000	-	13,750	136,250	9.2%	E.Soldo / G.Berenyi	2019 repairs will start Q2 with work ongoing. RFQ closes March 8/19
2018	4031821350	Fleet Additions - Roads O&M - 2018	300,000	29,370	-	270,630	9.8%	E.Soldo / B. Popovich / S.Williams	Needs identified, tender/PO processes in progress.
2018	4041817384	Guide Rail Replacement Program - 2018	410,000	386,233	30,020	(6,252)	101.5%	E.Soldo / B.Marques	Work Complete

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2018	4661820525	IPS - Intersection Pedestrian Signal - 2018	600,000	251,695	23,460	324,845	45.9%	E.Soldo / M.Sokol	Locations Completed to date - Aberdeen/Cottage, Barton/Puritan, Queensdale/Up Ottawa. Upper James/Jameston to be completed spring of 2019.
2018	4031810005	Major Road Maintenance Program - 2018	1,000,000	982,784	-	17,216	98.3%	E.Soldo / B.Marques	CLOSE NEXT BER
2018	4661820821	New Traffic Signal - Drakes @ North S Rd	350,000	12,555	23,663	313,783	10.3%	E.Soldo / C.Olszewski	Design 90% complete; construction tender Q3-2019
2018	4661820822	New Traffic Signal - Fifty @ North S Rd	80,000	-	69,377	10,623	86.7%	E.Soldo / M.Sokol	TIS underway and to be completed by March 31, 2019
2018	4661820823	New Traffic Signal - Fruitland@North S R	80,000	-	69,377	10,623	86.7%	E.Soldo / M.Sokol	TIS underway and to be completed by March 31, 2019
2018	4661820820	New Traffic Signal - Garner & Raymond	250,000	360	-	249,640	0.1%	E.Soldo / M.Sokol	Work started, completion spring 2019.
2018	4661820008	New Traffic Signal Installation Program - 2018	600,000	468,332	52,516	79,152	86.8%	E.Soldo / M.Sokol	Locations Completed to date - Rymal/Fortinos, Hamilton/White Oak. Locations to be completed - RR20/Westbrooke to be completed by Q3 2019 (will require 300k+)
2018	4661820720	Plastic Pavement Marking Rehabilitation - 2018	200,000	73,434	-	126,566	36.7%	E.Soldo / M.White / K.Wyskiel	Vendor Performance Issues – went out for new tender to have work completed in 2019.
2018	4031817677	Preventative Maintenance Program - 2018	2,790,000	1,906,151	246,092	637,757	77.1%	E.Soldo / G.Berenyi	Committed by end Q2 2019, spent by Q4 2019
2018	4661820810	Queen - Aberdeen to Main Two Way Conversion	1,100,000	107,392	46,564	946,043	14.0%	E.Soldo / R.Decleir	In design, completion Q3 2019
2018	4031810012	Railway Roadway Crossings Rehab Program - 2018	176,000	33,661	140,000	2,339	98.7%	E.Soldo / G.Berenyi	Subject to capital plan from railways for 2019. CN preliminary plan received includes 20K for Lewis Road and 190K for Victoria
2018	4041811351	Roads - Alleyway Rehabilitation - 2018	100,000	-	-	100,000	0.0%	E.Soldo	Review of consultant report of condition assessment to determine maintenance program.
2018	4031851410	Roads Small Equip Purchase - 2018	50,000	12,203	-	37,797	24.4%	E.Soldo / M.Williams	Work in progress
2018	4031811224	Sidewalk Rehabilitation Program - 2018	703,300	684,776	-	18,524	97.4%	E.Soldo / B.Marques	CLOSE NEXT BER
2018	4041810017	Street Lighting Capital Program - 2018	420,000	70,394	136,872	212,734	49.3%	E.Soldo / M.Field	On-going - funding allocated to PW capital construction projects

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2018	4661820019	Traffic Controller Replacement - 2018	600,000	90,068	-	509,932	15.0%	E.Soldo / J.Cornwell	Vendor issues have resulted in unforeseen delays.
2018	4031815820	Traffic Counts Program - 2018	150,000	84,269	15,472	50,259	66.5%	E.Soldo / M.White / K.Wyskiel	Funds will be used in 2019 to expand the count program and pro-actively meet the needs of City stakeholders.
2018	4661820522	Traffic Engineering - Signal Design - 2018	360,000	-	128,175	231,825	35.6%	E.Soldo / M.Sokol	Ongoing - work in progress
2018	4661820017	Traffic Signal LED Upgrades - 2018	150,000	-	-	150,000	0.0%	E.Soldo / R.Decleir	All works completed.
2018	4661820010	Traffic Signal Modernization & Upgrades Program - 2018	870,000	508,153	256,965	104,882	87.9%	E.Soldo / M.Sokol	Locations Completed to date - Mud/Winterberry, King/Cross/Main, King/Sydenham. Locations to be completed - Upper Paradise/Richview, Upper James/Airport not started to be completed Q2 2019
2018	4661820540	Traffic Signal Modernization Coordinated with ESI - 2018	650,000	173,873	117,553	358,574	44.8%	E.Soldo / M.Sokol	Locations completed to date - Mohawk/Upper Ottawa. Locations still to be completed - Rymal/West 5th 25% done, Governors/Moss & Governors/Huntingwood delayed by road construction - expected completion Q4 2019
2018	4031841762	Yard Facility Maintenance & Improvement Program - 2018	117,000	55,182	53,793	8,026	93.1%	E.Soldo / B.Paul	Anticipate 100% spent/committed Q3 2019
<b>Total Roads - Traffic &amp; Operations Maintenance</b>			<b>50,563,712</b>	<b>29,034,208</b>	<b>5,073,127</b>	<b>16,456,377</b>	<b>67.5%</b>		
<b>Total Public Works - Tax Supported</b>			<b>975,268,592</b>	<b>637,626,812</b>	<b>97,449,292</b>	<b>240,192,488</b>	<b>75.4%</b>		

Note: \* Project is partially or fully funded from Area Rating (Wards 1 to 8) reserves.



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			a	b	c	d	e		

**CAPITAL DELIVERY SECTION**

**Water Rates**

2010	5141061303	Valve Chamber No 3 First-Isaac	2,790,000	2,560,506	33,747	195,747	93.0%	S.Leitch	STATUS: Work Completed (Valve Chamber No. 3 Upgrades). Work in Progress - Design (SCADA Components - Valve Chamber 3). NEXT STEPS: RFQ for Construction (SCADA Components) Q2 2019.
2011	5141166110	WTP - Process Upgrades	14,660,000	3,121,943	25,307,824	(13,769,767)	193.9%	S.Leitch	STATUS: Work in Progress - Construction (Process Upgrades - Phase 1). NEXT STEPS: Substantial Performance Q4 2021. Negative balance due to budgets being approved on a cash flow basis by Finance (\$142M future budgets approved, 2019 - 2028).
2012	5141267270	Water Control Valve Upgrades	4,060,000	2,001,020	466,266	1,592,715	60.8%	S.Leitch	STATUS: Substantially Performed. NEXT STEPS: Account to be closed once maintenance and warranty period expires Q2 2019. WIP Fund Projectid 5141666608 by \$1,200,000 through 2019 Rates Budget.
2012	5141267272	Hillcrest Reservoir - HDR02	12,200,000	10,749,498	1,261,673	188,829	98.5%	S.Leitch	STATUS: Substantially Performed (Hillcrest Reservoir Upgrades & Security Gate). NEXT STEPS: Q1 2019 Completion. WIP Fund Projectid 5141666608 by \$1,000,000 through 2019 Rates Budget.
2012	5141267274	Kenilworth PS - HD005 Upgrades	3,025,000	563,282	371,788	2,089,930	30.9%	S.Leitch	STATUS: Work in Progress - Awarding Tender for Construction (Pump Station) & Construction (Valve Replacement). NEXT STEPS: Substantial Performance Q3 2019 (Valve Replacement) & (Pump Station) Q4 2019.
2012	5141269250	HVAC Upgrade New Lab & Admin	5,620,000	952,920	6,599	4,660,481	17.1%	S.Leitch	STATUS: Work in Progress - Design. New Lab Extension cancelled. NEXT STEPS: Request for Prequalified Contractors for Construction Q3 2019 (Lab HVAC Upgrades).
2013	5141395353	Ferguson HD002 Pumping Stn	2,270,000	324,201	35,579	1,910,220	15.8%	S.Leitch	STATUS: Work in Progress - Condition Assessment (HD0X2 Old Ferguson Water Pumping Station). NEXT STEPS: Request for Proposals for Design - New Ferguson PS (Phase 2 Upgrades) Q1 2019.
2015	5141567520	HDR05 Reservoir Upgrades	4,192,000	313,604	325,616	3,552,780	15.2%	S.Leitch	STATUS: Work in Progress - Design (Evaluating Bids from 7 Contractors from Pre-Qualification for Construction). NEXT STEPS: Tender for Construction Q2 2019.
2015	5141567525	HDR08 Reservoir Decommission	520,000	338,708	106,559	74,733	85.6%	S.Leitch	STATUS: Work Completed. NEXT STEPS: Account to be closed once outstanding purchase orders have been closed.
2015	5141567575	High Lift PS Upgrades Phase 2	880,000	253,703	140,885	485,411	44.8%	S.Leitch	STATUS: Work Complete - Field Study (HLPS Power Distribution & Protection Setup). NEXT STEPS: Construction - Power Distribution (Recommissioning) Q1 2019.
2015	5141567577	Security - Water PS Facilities	5,600,000	1,006,800	1,578,889	3,014,311	46.2%	S.Leitch	STATUS: Work in Progress - Construction (Physical Security - Fencing). NEXT STEPS: Substantial Performance Q1 2019 (Physical Security - Fencing). Request for Proposals 2019 (Electronic Security System).

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			a	b	c	d	e		
2016	5141666110	WTP - Corrosion Control	7,660,000	6,480,004	806,084	373,912	95.1%	S.Leitch	STATUS: Substantially Performed. NEXT STEPS: Account to be closed once maintenance and warranty period expires Q4 2019.
2016	5141666608	Lynden Additional Water Supply	4,570,000	515,581	304,769	3,749,650	18.0%	S.Leitch	STATUS: Work in Progress - Awarding Tender for Construction. NEXT STEPS: Substantial Performance Q1 2020.
2016	5141667420	Ben Nevis & Dewitt HD08A WPS	2,590,000	219,149	405,004	1,965,847	24.1%	S.Leitch	STATUS: Work in Progress - Design (4 Contractors Prequalified for Construction). NEXT STEPS: Tender for Construction Q1 2019.

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			a	b	c	d	e		
2016	5141667421	Glancaster & Hwy 53 HD018 WPS	6,040,000	5,107	-	6,034,893	0.1%	S.Leitch	STATUS: Awaiting completion of the PD18 Ancaster Tower EA and Land Purchase. NEXT STEPS: Issue Project Charter Q3 2019.
2016	5141667422	Osler Road HD011 WPS	2,289,000	296,853	1,860,745	131,402	94.3%	S.Leitch	STATUS: Work in Progress - Construction. NEXT STEPS: Substantial Performance Q3 2019.
2016	5141667424	Freelton Tower HDT03 Upgrades	3,600,000	1,671,558	650,452	1,277,990	64.5%	S.Leitch	STATUS: Work in Progress - Construction. NEXT STEPS: Substantial Performance Q1 2019.
2016	5141695883	York & Valley HD016 WPS (W-26)	3,710,000	58,671	-	3,651,329	1.6%	S.Leitch	STATUS: Work Completed - Conceptual Review. NEXT STEPS: Roster for Hydraulic assessment of the York & Valley HD016 Pumping station capacity upgrades Q1 2019.
2017	5141766421	WTP Fluoride Building HVAC	470,000	31,060	21,836	417,104	11.3%	S.Leitch	STATUS: Work Completed - Air Quality Study. NEXT STEPS: Policy 11 previously approved - Contractor providing quote for expansion to Corrosion Control Building Q1 2019 and complete works in Q2 2019
2017	5141767420	Carlisle Well Stn Sys Enhance	940,000	18,843	-	921,157	2.0%	S.Leitch	STATUS: Work in Progress - Scope Verification. NEXT STEPS: Request for Proposals for Design Q2 2019.
2017	5141767650	New Greensville Communal Well	500,000	66,558	26,653	406,789	18.6%	S.Leitch	STATUS: Awaiting completion of Schedule C EA for the Greensville New Well. NEXT STEPS: Issue Project Charter Q4 2019.
2017	5141795850	Greenhill PS HD04B & HD05A	8,270,000	144,717	222,395	7,902,888	4.4%	S.Leitch	STATUS: Work in Progress - Design (Immediate Needs) & Conceptual Design (Ultimate Upgrades). Awarding Tender for Construction (Immediate Needs). NEXT STEPS: Substantial Performance (Immediate Needs) Q4 2019.
2018	5141867651	HD007 Highland Rd Reservoir	260,000	-	-	260,000	0.0%	S.Leitch	STATUS: Timing of this project is aligned with the Reservoir Capital Coordination Schedule. NEXT STEPS: Issue Project Charter Q1 2019.
<b>Sub-Total Capital Delivery - Water</b>			<b>96,716,000</b>	<b>31,694,287</b>	<b>33,933,362</b>	<b>31,088,351</b>	<b>67.9%</b>		

**Wastewater - Rates**

2007	5160795760	Southcote PS&Forcemain-HC008	5,512,100	2,945,721	110,840	2,455,539	55.5%	S.Leitch	STATUS: Work Completed (Forcemain & Pumping Station). NEXT STEPS: Completion Q1 2019 (minor electrical work).
2009	5160966912	Decommission Waterdown WWTP-WW08	6,000,000	690,383	80,965	5,228,652	12.9%	S.Leitch	STATUS: Work in Progress - Design (7 Contractors Prequalified for Construction). NEXT STEPS: Tender for Construction Q1 2019.
2010	5161066065	Waste Hauler Receiving Station	2,789,800	608,282	2,109,875	71,643	97.4%	S.Leitch	STATUS: Work in Progress - Construction. NEXT STEPS: Substantial Performance Q3 2019.
2012	5161266213	Dundas WWTP Improvements	1,420,200	423,655	-	996,545	29.8%	S.Leitch	STATUS: On Hold - Exploring Funding Opportunities. Work Completed - Feasibility Study (Dundas WWTP outfall extension) & Asset Replacement Study. NEXT STEPS: Request for Proposals for Process Technology Pilot Study / Design in 2019.

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			a	b	c	d	e		
2012	5161267270	Ancaster WW Outstations	6,310,000	3,994,228	332,666	1,983,106	68.6%	S.Leitch	STATUS: Substantially Performed (HC009, HC013). Work in Progress - Design (HC005). NEXT STEPS: Request for Prequalified Contractors Q1 2019 (HC005). Request for Quotes - Minor Electrical and Civil Improvements (HC009, HC013).
2012	5161267273	Dundas WW Outstations	2,730,000	1,180,190	106,256	1,443,554	47.1%	S.Leitch	STATUS: Substantially Performed (DC005, DC006). Work Completed - Scope Verification (DC010). NEXT STEPS: Request for Proposals for Design (DC010) Q1 2019.
2013	5161367360	Cormorant & Osprey (HC014)	4,610,000	3,934,220	367,163	308,616	93.3%	S.Leitch	STATUS: Substantially Performed. NEXT STEPS: Account to be closed once maintenance and warranty period expires Q3 2019.

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			a	b	c	d	e		
2013	5161367374	Waterdown Outstation Upgrades	3,420,000	3,219,576	131,037	69,387	98.0%	S.Leitch	STATUS: Substantially Performed (DC013, FC003). NEXT STEPS : Account to be closed once deficiencies and finishing work have been completed Q1 2019.
2014	5161467756	Greenhill & Cochrane HCS01	1,990,000	203,083	-	1,786,917	10.2%	S.Leitch	STATUS: Work Completed - Life Cycle Analysis. NEXT STEPS: Issue Project Charter Q2 2019.
2015	5161595858	Binbrook PS Upgrade (WW-20)	6,280,000	1,959,809	2,878,518	1,441,673	77.0%	S.Leitch	STATUS: Work in Progress - Construction. NEXT STEPS: Substantial Performance Q3 2019.
2016	5161667622	FC001 DC009 HC011 Upgrades	2,140,000	98,152	110,420	1,931,428	9.7%	S.Leitch	STATUS: Work in Progress - Design (FC001, DC009). Evaluating Proposals for Design from 9 Consulting Engineers (HC011). NEXT STEPS: Request for Prequalified Contractors for Construction Q1 2019 (FC001, DC009). Award Design Q1 2019 (HC011).
2017	5161766421	WWTP Methane Sphere Upgrades	4,400,000	3,179,097	842,132	378,771	91.4%	S.Leitch	STATUS: Substantially Performed. NEXT STEPS: Account to be closed once maintenance and warranty period expires Q3 2019.
2017	5161767420	Parkdale Av HC001 WW Statn Upg	660,000	-	-	660,000	0.0%	S.Leitch	STATUS: Work in Progress - Scope Verification. NEXT STEPS: Request for Proposals for Design Q2 2019.
2017	5161796786	First Street PS Upgrade DC014	3,450,000	146,087	571,945	2,731,968	20.8%	S.Leitch	STATUS: Work in Progress - Design. NEXT STEPS: Request for Prequalified Contractors for Construction Q2 2019.
2020	5162068851	Pier 25 Dredging - Windermere	170,000	-	-	170,000	0.0%	S.Leitch	STATUS: Developing Roster Invitation (Feasibility Study to determine potential locations for Silt Disposal). NEXT STEPS: Award Feasibility Study Q2 2019.
<b><i>Sub-Total Capital Delivery - Wastewater</i></b>			<b>51,882,100</b>	<b>22,582,484</b>	<b>7,641,818</b>	<b>21,657,798</b>	<b>58.3%</b>		
<b><i>TOTAL CAPITAL DELIVERY SECTION</i></b>			<b>148,598,100</b>	<b>54,276,771</b>	<b>41,575,180</b>	<b>52,746,150</b>	<b>64.5%</b>		

***INFRASTRUCTURE PLANNING & SYSTEMS DESIGN***

***Water - Rates***

2011	5141167150	Greensville New Well – EA	720,000	1,327,085	22,337	(629,422)	187.4%	B.Posedowski	STATUS: Work Completed - Pumping Test and Hydrogeologic investigation, Greensville Subwatershed Study Report. Work in Progress - New Greensville Municipal Well Schedule C EA. NEXT STEPS: Completion of EA Q2 2019.
2013	5141395354	PD18 Elevated Reservoir W14	2,610,000	356,574	26,951	2,226,475	14.7%	B.Posedowski	STATUS: Work in Progress - Class EA and Conceptual Design, Terrestrial and Avian Assessments. NEXT STEPS: Completion of EA is Q2 2019. Land Purchase is in the Critical Path.
2014	5141495551	PD7 Elevated Reservoir W-23	1,990,000	110,097	36,814	1,843,089	7.4%	B.Posedowski	STATUS: Work in Progress - EA & Conceptual Design of PD7 Elevated Tower / Reservoir & New Pumping Station. NEXT STEPS: EA Completion Q1 2019.
2015	5141555010	Water Systems Planning	450,000	357,753	65,288	26,959	94.0%	B.Posedowski	STATUS: Work in Progress - Servicing alternatives for Ancaster, Screening of Development Applications, Pressure District Boundary Condition Characterization. NEXT STEPS: Completion Q2 2019.

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2015	5141555264	City-Wide Water MP	550,000	61,557	499,252	(10,809)	102.0%	B.Posedowski	STATUS: Work in Progress - Citywide Water Wastewater Storm Master Plan. NEXT STEPS: Completion Q2 2020.
2015	5141555555	City Wide Groundwater Model	710,000	390,092	52,001	267,907	62.3%	B.Posedowski	STATUS: Work in Progress - Vulnerability Mapping for Rural Development, Delineation of Lynden Wellhead Protection Areas. NEXT STEPS: Freelon Wellhead Protection Area Delineation Q1 2019.

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2015	5141564533	Up Wentworth - Hydro to Twenty	200,000	12,638	-	187,362	6.3%	B.Posedowski	STATUS: On Hold. NEXT STEPS: City Wide Water and Wastewater Master Plan will dictate whether this is required.
2015	5141567273	HD17A PS Replace Decommission	1,930,000	4,047	-	1,925,953	0.2%	B.Posedowski	NEXT STEPS: Issue Project Charter Q1 2019.
2015	5141595553	HD12A PS Upgrades (W-04)	720,000	152,717	17,875	549,408	23.7%	B.Posedowski	STATUS: Work Completed - Land Acquisition and Phase One & Two Environmental Site Assessment (ESA) & pre-demolition Designated Substances / Hazardous Materials Survey. Work in Progress - Class EA. NEXT STEPS: Completion of EA Q1 2019.
2016	5141664632	Twenty (Greti) to Upper James	1,610,000	184,337	-	1,425,663	11.4%	B.Posedowski	STATUS: On Hold. NEXT STEPS: City Wide Water and Wastewater Master Plan will dictate whether this is required.
2016	5141667423	Freelton Well FDF01 Capacity	1,430,000	188,607	91,341	1,150,052	19.6%	B.Posedowski	STATUS: Work Complete - Hydrogeological study. Work in Progress - GUDI Investigation & Treatment Capacity Study. NEXT STEPS: Study Completion Q1 2019.
2017	5141767752	WW Outstation Inspection - AM	550,000	185,495	268,572	95,932	82.6%	B.Posedowski	STATUS: Work in Progress - Design of Facility Asset Management Program and Peer Review, Condition Assessments (HDR00, Chlorine Building), Energy Audit of HW facilities (Phase II). NEXT STEPS: Completion Q2 2023.
2017	5141796752	PD16 Trunk - PS HD016 to Hwy 5	1,690,000	146,359	-	1,543,641	8.7%	B.Posedowski	STATUS: Completed Functional design. NEXT STEPS: Class EA for the Waterdown Trunk Watermain Twinning Q1 2019.
2018	5141855010	Water Systems Planning	300,000	9,993	112,827	177,180	40.9%	B.Posedowski	STATUS: Support for ongoing water system analysis of the LRT intensification corridor, Screening and development application services, Pressure District Boundary Condition Characterization. NEXT STEPS: Completion Q1 2019.
2018	5141855777	LRT Corridor - Water	220,000	-	-	220,000	0.0%	B.Posedowski	0
2018	5141867752	Water Outstation Inspections	660,000	124,794	272,895	262,311	60.3%	B.Posedowski	STATUS: Work in Progress - 2018 Water and Wastewater Financial Plan, Lynden New Well Cost Estimate Peer Review, Condition Assessment (FDG01). NEXT STEPS: Condition Assessment (HDR2A) Q1 2019, Woodward WTP Upgrades DC Study Q1 2019.
2018	5141895852	Carlisle Additnl Water Storage	440,000	-	-	440,000	0.0%	B.Posedowski	NEXT STEPS: Water System Specialist to assess alternatives to the Future Carlisle Water Storage Q1 2019.
2018	5141895956	Water Distribution Model	350,000	-	700	349,300	0.2%	B.Posedowski	NEXT STEPS: WaterCAD Model Update and Maintenance Procedure Q1 2019.
<b>Sub-Total Infrastructure Planning &amp; Systems Design - Water</b>			<b>17,130,000</b>	<b>3,612,144</b>	<b>1,466,853</b>	<b>12,051,003</b>	<b>29.6%</b>		

**Wastewater - Rates**

2007	5160755640	Non-trunk Flow Monitoring	500,000	114,300	398,089	(12,389)	102.5%	B.Posedowski	STATUS: Work Complete - Design of Wet Weather Control. NEXT STEPS: Completion of Conceptual Design Q3 2018. Negative balance due to unanticipated tax changes.
2008	5160867751	WW Outstns - Asset Management	2,655,000	1,348,830	1,370,886	(64,716)	102.4%	B.Posedowski	STATUS: Work Complete - Design of Wet Weather Control. NEXT STEPS: Completion of Conceptual Design Q3 2018. Negative balance due to unanticipated tax changes.

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2013	5161367752	WW Outstation Inspection - AM	645,000	147,148	494,829	3,023	99.5%	B.Posedowski	STATUS: Work in Progress - Design for Facility Asset Management Program. NEXT STEPS: Completion Q2 2023.
2014	5161455420	SERG - Flooding & Drainage MP	555,000	201,627	266,836	86,537	84.4%	B.Posedowski	STATUS: Work in Progress - Flooding and Drainage Master Plan. NEXT STEP: Completion Q1 2019.



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2015	5161555264	City-Wide Wastewater MP	550,000	439,327	127,203	(16,531)	103.0%	B.Posedowski	STATUS: Work in Progress - Citywide Water Wastewater Storm Master Plan. NEXT STEPS: Completion Q2 2020.
2015	5161555955	Inflow & Infiltration	474,000	360,598	78,516	34,886	92.6%	B.Posedowski	STATUS: Work in Progress - HC058 Capacity Analysis and Wet Weather Relief Class EA, West Mountain Flow Monitoring & West 18th, Riverdale East Flooding. NEXT STEPS: Completion Q1 2019.
2015	5161557545	Wastewater Computer Model	550,000	175,470	327,650	46,880	91.5%	B.Posedowski	STATUS: Work in Progress - Rain Gauges Flow Monitoring Services, Hydrologic-hydraulic model for the storm sewer systems of Phase 1 Hamilton Mountain Areas (Ancaster). NEXT STEPS: Completion Q4 2020.
2015	5161567564	HC005 - Schedule C EA	990,000	233,632	145,319	611,049	38.3%	B.Posedowski	STATUS: Work in Progress - Emergency Overflow Schedule C Municipal Class EA. NEXT STEPS: EA Completion Q2 2019. Detailed Design to follow.
2016	5161655350	Riverdale Flood Relief EA	220,000	4,247	-	215,753	1.9%	B.Posedowski	STATUS: Work in Progress - Riverdale East and Surrounding Neighbourhood Flooding Remedial Measures & Conceptual Design . NEXT STEPS: Conceptual Design Completion Q2 2019. Detailed Design to follow.
2016	5161655351	Lawfield & Berrisfield Area	185,000	223,536	-	(38,536)	120.8%	B.Posedowski	STATUS: Work Completed - Smoke Testing, Manhole Inspection, Conceptual Design of Neighbourhood I/I Reduction. NEXT STEPS: Consultation with HW Sr Management to decide which solution to pursue. Community Outreach and Education to follow.
2016	5161661434	Upsize Wilson Street Forcemain	100,000	4,875	-	95,125	4.9%	B.Posedowski	NEXT STEPS: Issue Project Charter Q1 2019.
2016	5161667421	New Haulage Receiving Station	1,140,000	139,588	87,157	913,255	19.9%	B.Posedowski	STATUS: Work in Progress - Class EA and Conceptual Design. NEXT STEPS: EA Completion Q2 2019. Land Purchase & Detailed Design to follow.
2016	5161695747	Battlefield Trunk Sewer WW-33	1,650,000	124,279	-	1,525,721	7.5%	B.Posedowski	STATUS: Scope and timing to be confirmed in Citywide Master Plan. NEXT STEPS: Detailed Design by Engineering Services to follow.
2016	5161696452	AEGD - Dickenson Rd FM & Sewer	2,750,000	298,230	5,025	2,446,745	11.0%	B.Posedowski	STATUS: Work Completed - Economic Analysis and Feasibility study to support the Conceptual Design Implementation. NEXT STEPS: Detailed Design.
2017	5161755640	Non-Trunk Flow Monitoring	100,000	10,003	78,365	11,632	88.4%	B.Posedowski	STATUS: Citywide Sanitary Service Flow Monitoring. NEXT STEPS: Completion Q1 2020.
2017	5161755955	Inflow & Infiltration	300,000	207,902	16,161	75,937	74.7%	B.Posedowski	STATUS: Work in Progress - Glen Road Inspection and Monitoring/ Aberdeen CSO Monitoring. NEXT STEPS: Completion Q1 2019.
2017	5161757420	SCADA Rain Gauges	50,000	-	-	50,000	0.0%	B.Posedowski	NEXT STEPS: Issue Project Charter Q1 2019.
2017	5161767752	WW Outstn Insp -Asset Mgm Prog	220,000	58,376	96,478	65,146	70.4%	B.Posedowski	STATUS: Work in Progress - Energy Audit (of HW facilities - Phase II). Pilot Study - Asset Management. NEXT STEPS: Roster Invitation - Condition Assessment (DC007 McMaster SPS) Q1 2019.

**City of Hamilton Capital Projects Status Report - Public Works Rate Supported Projects**  
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YEAR APPROVED	PROJECT ID	DESCRIPTION	APPROVED BUDGET (\$)	ACTUAL EXPENDITURES (\$)	PO COMMITMENTS (\$)	AVAILABLE BALANCE (\$) d = a - b - c	% COMPLETE e = (b+c) / a	Project Manager	STATUS EXPLANATION as of December 31, 2018
			a	b	c	d	e		
2018	5161855010	Wastewater Systems Planning	300,000	29,517	206,532	63,951	78.7%	B.Posedowski	STATUS: Work in Progress - Wastewater System Analysis & Hydraulic Assessment (LRT intensification Corridor & Roads Capital Program), Pollution Control Plan, Riverdale East Flooding Investigation, CSO Reporting. NEXT STEPS: Completion Q1 2019.
2018	5161855640	Flow Monitoring Program	50,000	8,838	50,092	(8,930)	117.9%	B.Posedowski	STATUS: Citywide Sanitary Service Flow Monitoring, Rain Gauges Flow Monitoring Services. NEXT STEPS: Completion Q1 2020.

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2018	5161855777	LRT Corridor - Wastewater	220,000	-	98,480	121,520	44.8%	B.Posedowski	NEXT STEPS: Wastewater System Analysis for LRT intensification Corridor Q1 2019.
2018	5161857545	Wastewater Computer Model	280,000	108,968	59,541	111,490	60.2%	B.Posedowski	STATUS: Citywide Sanitary & Stormwater Flow Monitoring Services. NEXT STEPS: Completion Q1 2020.
2018	5161867752	Wastewater Outstation Inspect	520,000	41,111	75,417	403,472	22.4%	B.Posedowski	STATUS: Work in Progress - Condition Assessment (HC017 Eastport SPS), Development Water Financial Plan. NEXT STEPS: Completion Q1 2019.
<b>Sub-Total Infrastructure Planning &amp; Systems Design -</b>			<b>15,004,000</b>	<b>4,280,402</b>	<b>3,982,577</b>	<b>6,741,021</b>	<b>55.1%</b>		

**Storm water - Rates**

2012	5181260214	Parkside and Kipling Flood	1,500,000	1,365,490	-	134,510	91.0%	C.Graham	STATUS: Work in Progress - Construction (Churchill Park Rain Gardens - Phase 1). NEXT STEPS: Substantial Performance (Phase 1) Q2 2019.
2012	5181260216	Golf Course SWMP Rosedale	2,570,000	481,330	52,233	2,036,437	20.8%	B.Posedowski	STATUS: Work in Progress - Enhanced Functional Design and Topographic Survey. NEXT STEPS: Completion of Enhanced Functional Design Q2 2019. Detailed Design to follow.
2012	5181274800	Watercourse 5 and 6	3,850,000	380,006	31,211	3,438,783	10.7%	B.Posedowski	STATUS: Work in Progress - Flood plain mapping and hydrologic analysis to update SCUBE reports, Hydraulics Assessment and Class EA Work Plan. NEXT STEPS: EA Completion Q1 2019. Detailed Design to follow.
2013	5181355350	SERG Studies & Assessments	740,000	542,012	46,071	151,917	79.5%	B.Posedowski	STATUS: Work Completed - Low Impact Development Bumpout (Bay and Simcoe). Work in Progress - Beach Strip Flooding Study. NEXT STEPS: Completion Q1 2019.
2014	5181455420	SERG - Flooding & Drainage MP	645,000	13,553	453,434	178,014	72.4%	B.Posedowski	STATUS: Work in Progress - Flooding and Drainage Master Plan. NEXT STEP: Completion Q1 2019.
2015	5181555422	GRIDS II - Stormwater MP	550,000	57,750	499,252	(7,002)	101.3%	B.Posedowski	STATUS: Work in Progress - Citywide Water Wastewater Storm Master Plan. NEXT STEPS: Completion Q2 2020.
2015	5181562590	SWMP Retrofits	660,000	-	-	660,000	0.0%	B.Posedowski	NEXT STEPS : Issue Project Charter for the Analysis & Conceptual Design - Stormwater Management Pond Retrofits (Ponds # 67, 9, 54, 52, 35, 14) Q1 2019.
2016	5181655075	SERG - Watershed Proj Coord	500,000	173,043	180,822	146,135	70.8%	B.Posedowski	STATUS: Work in Progress - Lower Spencer Creek Subwatershed Study, Delivery of environmental data collection in the field. NEXT STEPS: Completion Q1 2019.
2016	5181655421	SERG Stormwater System Planning	280,000	56,954	96,335	126,711	54.7%	B.Posedowski	STATUS: Work in Progress - Hydraulic Assessment (Storm Sewer in Ancaster, Stormwater needs for Roads Capital Program). NEXT STEPS: Completion Q4 2020.
2017	5181755420	Stormwater Drainage Review	280,000	50,331	200,470	29,199	89.6%	B.Posedowski	STATUS: Work in Progress - Detailed Drainage Assessment Study (Phase 2) - Development of Existing Residential (ER) Neighbourhoods in Rural Ancaster. NEXT STEPS: Completion Q1 2019.

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2017	5181755421	SERG - SW System Planning	280,000	36,879	11,692	231,430	17.3%	B.Posedowski	STATUS: Wilson Street Stormwater Drainage Plan. NEXT STEPS: City-wide Stormwater Infrastructure Field Verification & GIS Database Update for Modelling Q1 2019.
2018	5181823155	SERG - Dundas Drainage Upgrade	60,000	-	-	60,000	0.0%	B.Posedowski	NEXT STEPS: Issue Project Charter Q1 2019.
2018	5181872295	SERG - LEEDS Implementation	440,000	16,013	-	423,987	3.6%	B.Posedowski	0
<b><u>Sub-Total Infrastructure Planning &amp; Systems Design - Storm</u></b>			<b>12,355,000</b>	<b>3,173,362</b>	<b>1,571,519</b>	<b>7,610,119</b>	<b>38.4%</b>		
<b><u>TOTAL INFRASTRUCTURE PLANNING &amp; SYSTEMS DESIGN</u></b>			<b>44,489,000</b>	<b>11,065,909</b>	<b>7,020,949</b>	<b>26,402,142</b>	<b>40.7%</b>		

**WOODWARD UPGRADES SECTION**

**Wastewater - Rates**

2008	5160866801	Woodward WWTP - Clean Harbour	227,205,114	82,163,050	145,042,064	-	100.0%	J.Helka	STATUS: GIF Funded. \$254M future budgets approved (cash flowed 2019 - 2021). Work in Progress - Construction (Raw Wastewater Pumping Station, Electrical System), Pre-Purchased Equipment (Tertiary). NEXT STEPS: Tender for Construction (Tertiary Q1 2019).
2009	5160966910	WWTP - Biosolids MP Implement	10,220,000	4,049,847	4,829,591	1,340,562	86.9%	J.Helka	STATUS: PPP Canada Funded, Cash Flow Budget approved by Finance. Work in Progress - Design-Bid-Finance-Operate-Maintain Contract awarded to Harbour City Solutions for the Biosolids Management Project. NEXT STEPS: Substantial Performance Q2 2020.
<b><u>Sub-Total Woodward Upgrades - Wastewater</u></b>			<b>237,425,114</b>	<b>86,212,897</b>	<b>149,871,655</b>	<b>1,340,562</b>	<b>99.4%</b>		
<b><u>TOTAL WOODWARD UPGRADES SECTION</u></b>			<b>237,425,114</b>	<b>86,212,897</b>	<b>149,871,655</b>	<b>1,340,562</b>	<b>99.4%</b>		

\*Note: Due to significant funds and multi-year cash flows, funded budget = expenditures and commitments

**PLANT MAINTENANCE AND TECHNICAL SERVICES SECTION**

**Water - Rates**

2011	5141166151	SCADA Master Plan Implement	15,580,000	12,395,252	806,911	2,377,837	84.7%	G.Botha	STATUS: Work in Progress. NEXT STEPS: Account to be closed once final invoices have been paid and outstanding purchase orders have been closed. WIP Fund Projectid 5141966151 by \$2,500,000 through 2019 Rates Budget.
2015	5141566711	Annual Water Treatment Studies	250,000	51,185	62,820	135,995	45.6%	G.Botha	STATUS: Work in Progress - Baseline biological activity in the full scale media filters at the Woodward Avenue WTP. NEXT STEPS: Roster Invitation - Optimization Study for Corrosion Control using Phosphoric acid chemical dosing Q1 2019.
2016	5141666713	Annual Water Maintenance	600,000	496,859	38,035	65,106	89.1%	G.Botha	STATUS: Substantially Performed - Woodward WWTP Staff Building Renovations. NEXT STEPS: Account to be closed once maintenance and warranty period expires Q1 2019.

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2017	5141766711	Annual Water Treatment Studies	250,000	96,869	22,545	130,586	47.8%	G.Botha	STATUS: Work in Progress - Condition Assessment (Chlorine Chemical Building), Assessment of current CT calculations. NEXT STEPS: Completion Q1 2019.
2017	5141766713	Annual Water Maintenance	2,500,000	160,529	343,253	1,996,218	20.2%	G.Botha	STATUS: Work in Progress. NEXT STEPS: Tenders for Construction - Installation of Premise Isolation Backflow Devices and Containments for various HW Facilities Q1 2019.
2018	5141866350	WTP Lighting Upgrade	200,000	-	135,827	64,173	67.9%	G.Botha	STATUS: Work in Progress - Construction (Energy Efficient LED Lighting at Woodward Ave. SSTP and Administration Building). NEXT STEPS: Substantial Performance Q3 2019.
2018	5141866713	Annual Water Maintenance	1,500,000	76,371	0	1,423,629	5.1%	G.Botha	STATUS: Work in Progress.
<b>Sub-Total Plant Maintenance &amp; Technical Services - Water</b>			<b>20,880,000</b>	<b>13,277,066</b>	<b>1,409,391</b>	<b>6,193,543</b>	<b>70.3%</b>		

**Wastewater - Rates**

2011	5161166151	SCADA Master Plan Implement	15,875,000	13,383,052	211,318	2,280,630	85.6%	G.Botha	STATUS: Work in Progress. NEXT STEPS: Account to be closed once final invoices have been paid and outstanding purchase orders have been closed. WIP Fund Projectid 5161966151 by \$1,500,000 through 2019 Rates Budget.
2017	5161766713	Wastewater Maintenance Capital	3,000,000	1,813,406	1,140,941	45,653	98.5%	G.Botha	STATUS: Work in Progress. NEXT STEPS: Completion Q4 2019.
2017	5161766745	Woodward WWTP-Oper Readiness	4,875,000	1,078,806	899,993	2,896,201	40.6%	G.Botha	STATUS: Work in Progress - Construction (Replacement of Membrane Tube Diffusers & Step Feed Weir Refurbishment at the Woodward WWTP). NEXT STEPS: Substantial Performance Q1 2019. WIP Fund Projectid 5161966713 by \$2,400,000 through 2019 Rates Budget.
2018	5161866350	Woodward WWTP Lighting Upgrade	690,000	14,755	663,692	11,553	98.3%	G.Botha	STATUS: Work in Progress - Construction (Energy Efficient LED Lighting at Woodward Ave. SSTP and Administration Building). NEXT STEPS: Substantial Performance Q3 2019.
2018	5161866511	Woodward WWTP - Digester #4	5,500,000	-	-	5,500,000	0.0%	G.Botha	STATUS: Work in Progress - Design (3 Contractors Pre-Qualified for Construction). NEXT STEPS: Tender for Construction Q1 2019.
2018	5161866713	Wastewater Maintenance Capital	4,750,000	184,643	169,423	4,395,934	7.5%	G.Botha	STATUS: Work in Progress. NEXT STEPS: Completion Q4 2020.
<b>Sub-Total Plant Maintenance &amp; Technical Services -</b>			<b>34,690,000</b>	<b>16,474,662</b>	<b>3,085,367</b>	<b>15,129,971</b>	<b>56.4%</b>		

**TOTAL PLANT MAINTENANCE & TECHNICAL SERVICES**

**55,570,000      29,751,727      4,494,758      21,323,515      61.6%**

**WATER & WASTEWATER PLANNING AND CAPITAL SECTION**

**Corporate Project Program - Tax**

2009	2110953900	Randle Reef Rehab Project	6,875,000	6,872,735	1,250,000	(1,247,735)	118.1%	M.Bainbridge	STATUS: Cash Flow Budget approved by Finance. Stage 1 Completion reached in October 2018. Stage 2 Work in Progress with target completion in Q1 2020. NEXT STEPS: Tendering Stage 3 works in 2020
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			a	b	c	d	e		
<b><i>Sub-Total Water &amp; Wastewater Planning &amp; Capital -</i></b>			<b>6,875,000</b>	<b>6,872,735</b>	<b>1,250,000</b>	<b>(1,247,735)</b>	<b>118.1%</b>		

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			<b>a</b>	<b>b</b>	<b>c</b>	<b>d</b>	<b>e</b>		

**Wastewater - Rates**

2014	5161468422	Randle Reef Sediment Remediate	4,550,000	4,325,000	1,675,000	(1,450,000)	131.9%	M.Bainbridge	STATUS: Cash Flow Budget approved by Finance. Stage 1 Completion reached in October 2018. Stage 2 Work in Progress with target completion in Q1 2020. NEXT STEPS: Tendering Stage 3 works in 2020
<b>Sub-Total Water &amp; Wastewater Planning &amp; Capital -</b>			<b>4,550,000</b>	<b>4,325,000</b>	<b>1,675,000</b>	<b>(1,450,000)</b>	<b>131.9%</b>		
<b>TOTAL WATER &amp; WASTEWATER PLANNING AND CAPITAL SECTION</b>			<b>11,425,000</b>	<b>11,197,735</b>	<b>2,925,000</b>	<b>(2,697,735)</b>	<b>123.6%</b>		

**HAMILTON WATER & WASTEWATER- DIRECTOR**

**Water - Rates**

2015	5141557543	Workforce & Time Mgmt-Kronos	430,000	398,579	35,000	(3,579)	100.8%	A.Grice	STATUS: Work Completed. NEXT STEPS: Account to be closed once final invoices are paid and outstanding purchase orders have been closed Q1 2019.
<b>Sub-Total - Water</b>			<b>430,000</b>	<b>398,579</b>	<b>35,000</b>	<b>(3,579)</b>	<b>100.8%</b>		

**Wastewater - Rates**

2015	5161555545	Capital Works Information Mgmt	280,000	-	-	280,000	0.0%	A.Grice	STATUS: Work in Progress - Project Management Office / IT Business Intelligence Collaborative Project (Phase 1 - Automate Existing PMO Reporting System using internal Resources). NEXT STEPS: Phase 2 Dashboard and Power BI Q1 2019.
<b>Sub-Total Roads - Wastewater</b>			<b>280,000</b>	<b>0</b>	<b>0</b>	<b>280,000</b>	<b>0.0%</b>		
<b>TOTAL HAMILTON WATER &amp; WASTEWATER DIRECTOR</b>			<b>710,000</b>	<b>398,579</b>	<b>35,000</b>	<b>276,421</b>	<b>61.1%</b>		

**WATER & WASTEWATER ENGINEERING SERVICES SECTION**

**Water - Engineering Services**

2014	5141455425	Concrete Pipe Condition Assessment	2,750,000	1,539,966	236,666	973,368	64.6%	E.Waite	Assessment works delayed due to other works impacting the water network. 2018 and proposed 2019 budget to be utilised by year end 2019.
2015	5141555501	Ferguson Pumpstation to Scenic Reservoir Trunk Main Inspection	1,150,000	1,024,707	94,470	30,823	97.3%	E.Waite	Complete - Close once commitments are paid/cleared
2015	5141571301	WM Replace Program - Coordinated with Roads - 2015	14,575,000	14,320,549	184,643	69,808	99.5%	M.Oddi / P.McNab	Complete - Close once commitments are paid/cleared
2015	5141596152	PD11 (Governor's Rd) Extend	1,120,000	1,070,333	86,111	(36,444)	103.3%	M.Oddi	Construction 2018/19

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2015	5141596153	PD22 (Governor's Rd) Extend	900,000	774,990	108,587	16,423	98.2%	M.Oddi	Construction 2018/19



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2015	5141596550	Stone Church Feedermain (W-24)	25,300,000	2,208,087	322,279	22,769,634	10.0%	S.Jacob	The functional design is being completed, report is expected for June 2019. The project is to be evaluated with Operation and Maintenance and Master Plan before proceeding to detailed design and construction.
2016	5141657626	Critical WM Inspection Program - 2016	299,000	178,576	62,158	58,266	80.5%	E.Waite	Complete - Close once commitments are paid/cleared
2016	5141660999	Closed Projects - Water	218,000	75,388	87,417	55,195	74.7%	M.Oddi / P.McNab	Complete - Close once commitments are paid/cleared.
2016	5141662073	Field Data Systems Program - 2016	169,380	132,558	16,007	20,815	87.7%	I.Szczepanik	Anticipate 100% spent by Q1 2019.
2016	5141670000	Coordinated Road and Subsurface Works - 2016	3,091,000	2,915,975	152,192	22,833	99.3%	M.Oddi / P.McNab	Complete - Close once legal & commitments are paid/cleared.
2016	5141671301	WM Replace Program - Coordinated with Roads - 2016	4,088,000	4,075,389	49,763	(37,152)	100.9%	M.Oddi / P.McNab	Complete - Close once commitments are paid/cleared
2017	5141757626	Critical WM Inspection Program - 2017	330,000	38,639	-	291,361	11.7%	E.Waite	Ongoing - work in progress. Claim for CWWF funding underway.
2017	5141760072	Structural WM Lining Program - 2017	7,291,000	7,291,000	-	-	100.0%	E.Waite	Close after year end reporting. CWWF funded.
2017	5141760577	Metallic Watermain Condition Assessment Program - 2017	685,000	685,000	-	-	100.0%	E.Waite	Complete. Claim for CWWF funding underway.
2017	5141760754	Kenilworth Transmission Watermain Renewal	2,400,000	487,627	55,546	1,856,827	22.6%	E.Waite	Ongoing - work in progress. To be tendered Q4 2019 for 2020 construction.
2017	5141761300	WM Replacement Program - 2017	830,000	173,342	-	656,658	20.9%	E.Waite	1 of 3 projects awarded. Burlington Trunkmain Repairs in 2019 and James and Charlton Intersection rebudgeted in 2024 due to LRT.
2017	5141761777	Beach Trunkmain Rehab	7,300,000	585,438	-	6,714,562	8.0%	E.Waite	Project delayed to Q1 2020 due to water network requirements.
2017	5141770000	Coordinated Road and Subsurface Works - 2017	2,905,000	2,833,308	52,559	19,133	99.3%	M.Oddi / P.McNab	Complete - pending final review/audit/payment. \$19k surplus at this time.
2017	5141771301	WM Replace Program - Coordinated with Roads - 2017	2,815,000	2,508,859	118,959	187,182	93.4%	M.Oddi / P.McNab	2 of 4 projects awarded. Watermain Replacement under CP Tracks at Ferguson on hold pending design review. Remaining project transferred to Waterfront.
2018	5141811101	Road Restoration Program - 2018	5,400,000	3,085,930	1,540,012	774,058	85.7%	D.Lamont / R.Merritt	Ongoing - work in progress
2018	5141849555	QA-QC Service Contract - 2018	110,000	71,260	8,477	30,264	72.5%	E.Waite	Ongoing - work in progress
2018	5141855556	Mapping Update - 2018	40,000	6,734	33,000	266	99.3%	D.Lamont / C.Lauricella	Ongoing - work in progress

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2018	5141857626	Critical WM Inspection Program - 2018	330,000	136,689	64,812	128,499	61.1%	E.Waite	Ongoing - work in progress. 2019 budget has been reduced to zero to use up these funds.
2018	5141857627	Fennell Trunkmain Inspection	750,000	117,850	619,000	13,150	98.2%	E.Waite	Ongoing - work in progress

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2018	5141857628	Saltfleet Trunkmain Inspection	593,000	114,139	468,830	10,031	98.3%	E.Waite	Ongoing - work in progress. Claim for CWWF funding underway.
2018	5141860072	Structural WM Lining Program - 2018	7,320,000	6,184,045	1,091,749	44,207	99.4%	E.Waite	Ongoing - work in progress
2018	5141860080	Valve Replacement - 2018	1,000,000	292,003	668,395	39,602	96.0%	E.Waite	Ongoing - work in progress
2018	5141860577	Metallic Watermain Condition Assessment Program - 2018	700,000	344,786	196,415	158,798	77.3%	E.Waite	Ongoing - work in progress
2018	5141860711	PW Capital Water Consumption Program - 2018	200,000	199,785	-	215	99.9%	E.Waite	Complete. Close after year end reporting.
2018	5141861300	Wm Replacement Program - 2018	800,000	134,685	-	665,315	16.8%	E.Waite	Mulberry - Bay to James (2019) & Barton - Queen to Locke (2020)
2018	5141870000	Coordinated Road and Subsurface Works - 2018	4,340,000	3,570,767	645,080	124,154	97.1%	M.Oddi / P.McNab	4 of 5 project awarded. One project moved to Waterfront and duplicated in error. Construction ongoing for C15-44-18 - Governors Road
2018	5141871074	Contingency for Unscheduled Works Program - 2018	100,000	15,820	-	84,180	15.8%	E.Waite	% spent dependent on # of unscheduled works.
2018	5141871301	WM Replace Program - Coordinated with Roads - 2018	4,659,000	4,614,206	37,395	7,399	99.8%	M.Oddi / P.McNab	Complete - Close once commitments are paid/cleared
<b>Sub-Total Water - Engineering Services</b>			<b>104,558,380</b>	<b>61,808,429</b>	<b>7,000,521</b>	<b>35,749,430</b>	<b>65.8%</b>		
<b>WasteWater - Engineering Services</b>									
2007	5160795757	Centennial Trnk Swr-WW14,WW33	84,200,000	79,236,994	4,438,486	524,520	99.4%	M.Oddi	Ongoing - work in progress. Anticipated completion Fall 2019.
2013	5161395358	Hwy 56 Forcemain&Twinning WW21	27,190,000	16,332,373	2,320,114	8,537,513	68.6%	M.Oddi	Ongoing - work in progress. Anticipated completion Fall 2019.
2015	5161555077	Zoom Camera Inspection - Data Component	760,000	569,014	182,952	8,034	98.9%	E.Waite	Ongoing - work in progress. To be completed Q4 of 2020
2015	5161560591	Barton St. Trunk Sewer Rehab - Strathearne to Weir	1,290,000	875,714	159,804	254,482	80.3%	E.Waite	Complete - Close once commitments are paid/cleared
2015	5161560999	Closed Projects - WasteWater	119,000	20,092	88,728	10,180	91.4%	M.Oddi / P.McNab	Complete - Close once commitments are paid/cleared.
2015	5161567563	HC005 - Public Properties	1,040,000	126,459	229,692	683,849	34.2%	E.Waite	Ongoing - work in progress
2015	5161567565	HC005 Montgomery Drive - Inline Storage	2,230,000	2,065,037	27,252	137,711	93.8%	M.Oddi	Complete - pending final review/audit/payment

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			a	b	c	d	e		
2015	5161596855	Royal to Main-King CSO (WW-22)	24,880,000	1,417,102	141,138	23,321,760	6.3%	S.Jacob	Outstanding due to land ownership and access issues. Negotiating with Metrolinx and McMaster Innovation Park who are the new owners of the nearby lands.

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			a	b	c	d	e		
2016	5161660533	Trenchless Manhole Rehabilitation - 2016	80,000	5,897	62,082	12,021	85.0%	E.Waite	Complete - Close once commitments are paid/cleared
2016	5161660575	Mainline Sewer Condition Assessment Program - 2016	600,000	402,477	180,853	16,670	97.2%	E.Waite	Complete - Close once commitments are paid/cleared
2016	5161662073	Field Data Systems Program - 2016	160,110	80,533	22,476	57,102	64.3%	I.Szczepanik	Anticipate 100% spent by Q1 2019.
2016	5161671074	Contingency for Unscheduled Works Program - 2016	520,000	378,641	127,951	13,408	97.4%	E.Waite / P.McNab	Complete - Close once commitments are paid/cleared
2017	5161718420	Grindstone Creek Utility Bridge	970,000	621,916	262,578	85,507	91.2%	E.Waite	Complete - Close once commitments are paid/cleared
2017	5161749555	QA-QC Service Contract - 2017	110,000	56,254	15,003	38,743	64.8%	E.Waite	Complete - Close once commitments are paid/cleared
2017	5161760390	Wastewater System Lining Program - 2017	4,500,000	4,500,000	-	-	100.0%	E.Waite	Complete. Claim for CWWF funding underway.
2017	5161760533	Trenchless Manhole Rehabilitation - 2017	80,000	9,367	70,000	633	99.2%	E.Waite	Complete - Close once commitments are paid/cleared
2017	5161760575	Mainline Sewer Condition Assessment Program - 2017	1,330,000	840,919	473,917	15,164	98.9%	E.Waite	Ongoing - Work in progress. Delays due to other works within sewer system.
2017	5161761444	Sewer Lateral Replace/Rehab Program - 2017	4,172,500	4,172,500	-	-	100.0%	E.Waite	Complete. Claim for CWWF funding underway.
2017	5161768240	Western Interceptor Sewer CCTV and Sonar Inspection	2,460,000	610,168	919,148	930,684	62.2%	E.Waite	Ongoing - work in progress
2018	5161811101	Road Restoration Program - 2018	1,800,000	1,754,542	81,863	(36,405)	102.0%	D.Lamont / R.Merritt	Ongoing - work in progress
2018	5161849555	QA-QC Service Contract - 2018	110,000	86,885	-	23,115	79.0%	E.Waite	Complete. Close after year end reporting.
2018	5161855556	Mapping Update - 2018	40,000	6,734	33,000	266	99.3%	D.Lamont / C.Lauricella	Ongoing - work in progress
2018	5161855878	Forcemain Condition Assessment Program - 2018	300,000	86,570	114,051	99,379	66.9%	E.Waite	Ongoing - work in progress
2018	5161860390	Wastewater System Lining Program - 2018	4,582,000	3,880,849	74,616	626,536	86.3%	E.Waite	Complete - Close once commitments are paid/cleared
2018	5161860533	Trenchless Manhole Rehabilitation - 2018	40,000	30,568	11,869	(2,436)	106.1%	E.Waite	Complete - Close once commitments are paid/cleared
2018	5161860574	Pre-Construction Mainline Condition Assessment	550,000	92,596	461,000	(3,596)	100.7%	E.Waite	Ongoing - work in progress

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			a	b	c	d	e		
2018	5161860575	Mainline Sewer Condition Assessment Program - 2018	1,260,000	1,151,426	65,935	42,638	96.6%	E.Waite	Complete - Close once commitments are paid/cleared

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2018	5161860576	Sewer Lateral Condition Assessment - 2018	680,000	692,416	347	(12,763)	101.9%	E.Waite	Complete - Close once commitments are paid/cleared
2018	5161860577	Mainline Sewer Condition Assessment for Compliance & Regs - 2018	110,000	102,580	12,394	(4,973)	104.5%	E.Waite	Ongoing - work in progress
2018	5161860711	PW Capital Water Consumption Program - 2018	150,000	89,095	-	60,905	59.4%	E.Waite	Complete. Close after year end reporting.
2018	5161860820	Open Cut Repairs for CIPP Program - 2018	550,000	263,480	139,981	146,538	73.4%	E.Waite	Complete - Close once commitments are paid/cleared
2018	5161860830	Windemere Rd Sewer Extension, Municipal Act	980,000	930,099	1,089	48,813	95.0%	E.Waite	Ongoing - work in progress
2018	5161861444	Sewer Lateral Replace/Rehab Program - 2018	4,139,000	4,113,896	2,940	22,164	99.5%	E.Waite	Complete - Close once commitments are paid/cleared
2018	5161861825	Stipeley Neighbourhood (South) - Connaught / Balasm / Dunsmore	11,900	11,823	-	77	99.4%	E.Waite	Complete. Close after year end reporting.
2018	5161862850	Eastern Interceptor Repair at the WWTP Aeration Tank	2,800,000	491,522	96,918	2,211,560	21.0%	E.Waite	Ongoing - work in progress. Project delayed due to works at Woodward WWTP. Consulting to be completed in 2019 and Construction to start 2020.
2018	5161871015	Sewer Lateral Replacement for Co-ordinated Projects - 2018	210,000	147,235	-	62,765	70.1%	E.Waite	Ongoing - work in progress
2018	5161871074	Contingency for Unscheduled Works Program - 2018	100,000	41,836	-	58,164	41.8%	E.Waite	% spent dependent on # of unscheduled works.
2018	5161871842	Locke St Sewer Rehabilitation	2,090,000	1,890,975	331,729	(132,704)	106.3%	E.Waite	Complete - Close once commitments are paid/cleared
2018	5161872840	Mohawk - Upper Ottawa to Upper Kenilworth	1,000,000	975,275	-	24,725	97.5%	E.Waite	Complete. Close after year end reporting.
<b>Sub-Total Wastewater - Engineering Services</b>			<b>178,194,510</b>	<b>129,161,859</b>	<b>11,149,905</b>	<b>37,882,747</b>	<b>78.7%</b>		
<b>Storm Sewers - Engineering Services</b>									
2012	5181272290	Storm Sewer Upgrades - 2012	7,596,000	7,262,784	226,616	106,600	98.6%	M.Oddi / P.McNab	Ongoing work in progress - outstanding commitment for the replacement of Grade Separation: Bridge 163, Centennial Parkway underpass .

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2013	5181372295	SERG - Mount Albion SWMF Rehab	670,000	174,308	5,558	490,134	26.8%	S.Jacob	Concept design acceptable to HCA. Waiting for Construction cost estimates from the Consultant to ensure sufficient budget is available.
2014	5181460423	SERG - Princess at Birch	90,000	11,172	-	78,828	12.4%	S.Jacob	This work is outside the Birch Ave Phase 1 project limits, will be addressed in Phase 2 project.
2015	5181555077	Zoom Camera Inspection - Data Component	760,000	353,453	293,999	112,548	85.2%	E.Waite	Ongoing - work in progress. To be completed Q4 of 2020
2015	5181560591	Barton St. Trunk Sewer Rehab - Strathearne to Weir	1,290,000	936,709	140,053	213,239	83.5%	E.Waite	Complete - Close once commitments are paid/cleared



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2015	5181560999	Closed Projects - Storm	238,000	26,288	86,912	124,800	47.6%	M.Oddi / P.McNab	Complete - Close once commitments are paid/cleared.
2015	5181572291	Barton & Hamilton St, Waterdown Storm Sewer Upgrade	530,000	317,747	-	212,253	60.0%	E.Waite	Complete, pending final payment as per Sally Yong-Lee. Close this project at year end 2018.
2015	5181572295	SERG - LEEDS Implementation	320,000	146,937	62,208	110,855	65.4%	E.Waite	Complete - Close once commitments are paid/cleared
2016	5181655420	Wilson St Stormwater Drainage	1,740,000	1,742,412	43,929	(46,341)	102.7%	M.Oddi	Complete - Close once commitments are paid/cleared
2016	5181660533	Trenchless Manhole Rehabilitation - 2016	80,000	35,355	40,111	4,534	94.3%	E.Waite	Complete - Close once commitments are paid/cleared
2016	5181672074	Contingency for Unscheduled Works Program - 2016	150,000	35,370	26,345	88,286	41.1%	E.Waite / P.McNab	% spent dependent on # of unscheduled works.
2016	5181672259	SERG - Gage Park Pond	2,168,000	1,778,584	433,244	(43,828)	102.0%	M.Oddi	Ongoing - work in progress. Anticipated completion Summer 2019.
2016	5181672650	West Mtn Sewers - Juggernaut	12,849,000	8,192,680	4,707,377	(51,057)	100.4%	E.Waite	Ongoing - work in progress. To be complete by Q3 2019
2017	5181717152	Cross Road Culvert Program - 2017	1,370,000	906,326	414,385	49,289	96.4%	E.Soldo / T.Blackburn	Ongoing - work in progress
2017	5181760533	Trenchless Manhole Rehabilitation - 2017	80,000	9,367	70,000	633	99.2%	E.Waite	Complete - Close once commitments are paid/cleared
2017	5181760730	McQueston Park Entrance - Flooding	250,000	1,168	-	248,832	0.5%	E.Waite	Ditch drainage restored by installing a driveway culvert at the park entrance by O&M. Staff reviewing an outlet for a section of storm sewer within the park.
2017	5181767723	Pumping Stations	100,000	8,352	83,953	7,696	92.3%	E.Soldo / G.Berenyi	Completion delayed to Q3 2019. Project to be transferred to Water
2018	5181817152	Cross Road Culvert Program - 2018	1,380,000	689,246	317,032	373,722	72.9%	E.Soldo/ T.Blackburn	Ongoing - work in progress
2018	5181817458	Catch Basin Replacement/Rehabilitation Program - 2018	575,000	460,125	129,395	(14,520)	102.5%	E.Soldo / G.Berenyi	works ongoing
2018	5181817549	Concrete Box Culvert Rehabilitation/Repair (< 3.0m span) - 2018	150,000	109,059	44,905	(3,964)	102.6%	R.Andoga / T.McClung	Discussions still ongoing with consultant.
2018	5181849555	QA-QC Service Contract - 2018	86,000	46,068	20,322	19,610	77.2%	E.Waite	Ongoing - work in progress
2018	5181855556	Mapping Update - 2018	40,000	6,734	33,000	266	99.3%	D.Lamont / C.Lauricella	Ongoing - work in progress
2018	5181860533	Trenchless Manhole Rehabilitation - 2018	40,000	6,734	35,290	(2,024)	105.1%	E.Waite	Complete - Close once commitments are paid/cleared

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2018	5181870000	Coordinated Road and Subsurface Works - 2018	130,000	122,659	12,595	(5,254)	104.0%	M.Oddi / P.McNab	Complete - pending final review/audit/payment.
2018	5181872074	Contingency for Unscheduled Works Program - 2018	100,000	16,836	-	83,164	16.8%	E.Waite	% spent dependent on # of unscheduled works.
2018	5181872290	Mackenzie - East 27th to Upper Sherman (Burkholme Neighbourhood)	103,000	65,659	-	37,341	63.7%	E.Waite	Complete. Close after year end reporting.
2018	5181872291	Catharine St N Sewer Replace	99,000	-	-	99,000	0.0%	E.Waite	Ongoing - work in progress. To be completed in 2019.
2018	5181872293	Bayside Ave Storm Sewer Replacement	160,000	173,770	-	(13,770)	108.6%	E.Waite	CLOSE NEXT BER
<b><u>Sub-Total Storm Sewers - Engineering Services</u></b>			<b>33,144,000</b>	<b>23,635,901</b>	<b>7,227,229</b>	<b>2,280,870</b>	<b>93.1%</b>		
<b><u>TOTAL WATER, WASTEWATER &amp; STORM SEWERS</u></b>			<b>315,896,890</b>	<b>214,606,189</b>	<b>25,377,654</b>	<b>75,913,046</b>	<b>76.0%</b>		

**WATER WASTEWATER & STORM SEWERS OPERATIONS SECTION**

**Water - Operations**

2014	5141455922	Water Loss Audit - 2014	202,000	142,465	43,380	16,156	92.0%	D.Alberton / D.Young	These funds to be fully spent by June 2019
2015	5141569075	Environmental Lab Improvements - 2015	70,000	45,336	22,910	1,754	97.5%	C.Vanderperk / R.Eszes	Project ongoing. Anticipate 100% spent by year end 2019
2016	5141669075	Environmental Lab Improvements - 2016	150,000	96,674	43,933	9,393	93.7%	C.Vanderperk / R.Eszes	Confirming with facilities regarding open POs. Will close once confirmed.
2017	5141751710	Fleet Additions - Hamilton Water - 2017	560,000	137,302	5,000	417,698	25.4%	P.Kowalski	To be fully spent by January 2020
2017	5141757750	Carlisle AMR/AMI Pilot Project	250,000	148,966	23,611	77,423	69.0%	R.DiGiovanni	Project has now been completed. The Capital Account and PO can be closed.
2017	5141760750	Unscheduled Valve, Hydrant etc. - 2017	1,040,000	437,418	575,926	26,656	97.4%	D.Alberton / D.Young	These funds are for the Emergency Water Repair contract and this project can be closed after May 31,2019 when the contract renews.
2017	5141761502	Water Meter - Installation/Replace/Repair - General Mtn - 2017	2,100,000	1,964,433	132,465	3,102	99.9%	R.DiGiovanni	This project has now been completed. The Capital Account and PO can be closed
2018	5141851810	Fleet Additions - Hamilton Water - 2018	1,230,000	50,533	-	1,179,467	4.1%	P.Kowalski	To be fully spent by January 2020
2018	5141855851	Water Efficiency Plan - 2018	221,000	4,890	21,940	194,170	12.1%	J.Wagner	2018 capital will be utilized in 2019. No additional budget request for 2019.

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2018	5141860750	Unscheduled Valve, Hydrant etc. - 2018	799,000	607,043	161,887	30,070	96.2%	D.Alberton / D.Young	These funds are for the Emergency Water Repair contract and this project can be closed after May 31,2019 when the contract renews.

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2018	5141861502	Water Meter - Installation /Replace/Repair - General Mtn - 2018	2,800,000	2,577,311	218,837	3,852	99.9%	R.DiGiovanni	Awaiting documentation from contractor in order to release 10% holdback. Once that is completed this project ID can be closed.
2018	5141862078	Substandard Water Service Replacement Program - 2018	2,849,000	1,015,800	1,744,544	88,656	96.9%	D.Alberton / D.Young	Ongoing - work in progress
2018	5141869075	Environmental Lab Improvements - 2018	200,000	-	57,688	142,312	28.8%	C.Vanderperk / R.Eszes	Anticipate 100% spent by year end 2019.
<b>Sub-Total - Hamilton Water - Operations</b>			<b>12,471,000</b>	<b>7,228,170</b>	<b>3,052,122</b>	<b>2,190,708</b>	<b>82.4%</b>		

**WasteWater - Operations**

2014	5161469076	BCOS-Beyond Compliance OP Sys	243,000	105,159	-	137,841	43.3%	C.Vanderperk / S.Girt	This project relates to the BCOS software upgrade and DWQMS maintenance. The monies will be spent 2019/2020.
2016	5161669075	Environmental Lab Improvements - 2016	345,000	221,317	97,672	26,012	92.5%	C.Vanderperk / R.Eszes	Part of HVAC upgrade. Do not close.
2017	5161755422	Sewer Use Bylaw Enforcement Infor Upgrade	80,000	26,129	20,870	33,001	58.7%	C.Vanderperk / D.Saunders	Anticipate 100% spent by year end 2019.
2017	5161760302	Emergency Repairs - Cross Connections - 2017	1,000,000	652,279	325,512	22,210	97.8%	D.Alberton / D.Young	Ongoing - work in progress. This account funds the investigation and correction of sewer lateral cross connections. Funds committed to a P.O. which will be spent by December 31, 2019
2017	5161766423	Sewer Use Bylaw 14-090 Parameter Limit Review	300,000	114,649	1,404	183,947	38.7%	C.Vanderperk / D.Saunders	open P.O. for Jacobs (CH2M) can be closed. Will spend 20% of balance in 2019. 80 % in 2020.
2017	5161769075	Environmental Lab Improvements - 2017	250,000	-	-	250,000	0.0%	C.Vanderperk / R.Eszes	Anticipate 100% spent by year end 2019.
2018	5161860302	Emergency Repairs - Cross Connections - 2018	500,000	213,703	169,994	116,303	76.7%	D.Alberton / D.Young	Ongoing - work in progress. This account funds the investigation and correction of sewer lateral cross connections. 97% of funds now committed to a P.O.
2018	5161860522	Sewer Lateral Management Program (WWC) - 2018	4,500,000	3,096,679	414,755	988,566	78.0%	D.Alberton / D.Young	Ongoing 2019 work. This remaining amount is now fully committed to a P.O.
2018	5161861740	Unscheduled Manhole & Sewermain - 2018	320,000	243,220	75,987	793	99.8%	D.Alberton / D.Young	Ongoing - work in progress. Will be fully spent by August 2019
2018	5161869075	Environmental Lab Improvements - 2018	200,000	-	-	200,000	0.0%	C.Vanderperk / R.Eszes	Anticipate 100% spent by year end 2019.
<b>Sub-Total - Hamilton WasteWater - Operations</b>			<b>7,738,000</b>	<b>4,673,134</b>	<b>1,106,193</b>	<b>1,958,673</b>	<b>74.7%</b>		

**Storm Sewers - Hamilton Water**

2014	5181460452	Shoreline Protection Program	1,310,000	254,821	154,542	900,637	31.2%	N.Winters / R.Moore	Procuring permits to advance construction work.
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2014	5181460461	Forty Mile Municipal Drain	100,000	91,363	-	8,637	91.4%	N.Winters / R.Moore	Request for invoice processing with finance re cost sharing.
2014	5181460722	Municipal Drain Program - 2014/15	139,000	33,264	-	105,736	23.9%	N.Winters / R.Moore	Close once contribution from developer has been received

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2015	5181510501	Mathers Drive Bank Erosion Control and Slope Stabilization	1,100,000	148,042	129,591	822,367	25.2%	N.Winters / R.Moore	Project Tendered. Procurement process slow. Construction to start Q2.
2016	5181674640	Battlefield Creek Remediation	300,000	168,585	-	131,415	56.2%	N.Winters / R.Moore	Close Project. Monitoring Complete.
2017	5181755740	Flushables Research Study	75,000	67,136	9,025	(1,161)	101.5%	J.Wagner	Complete - Close once commitments are paid/cleared
2017	5181760622	SWM Facility Maintenance Program - 2017	1,600,000	1,455,228	107,554	37,218	97.7%	N.Winters / R.Moore	Ongoing - work in progress
2017	5181761740	Unscheduled Manhole & Sewermain - 2017	100,000	-	-	100,000	0.0%	D.Alberton / D.Young	These funds are for the Emergency Sewer Repair contract and will be fully spent/committed by August 2019.
2017	5181774730	Centre Road Drainage Improvement	100,000	-	-	100,000	0.0%	N.Winters / R.Moore	Permit Application Submitted. Preparing to Tender. Construction Q3.
2018	5181860622	SWM Facility Maintenance Program - 2018	1,200,000	353,580	540,308	306,112	74.5%	N.Winters / R.Moore	Ongoing - work in progress
2018	5181860722	Municipal Drain Program - 2018	280,000	104,763	75,195	100,042	64.3%	N.Winters / R.Moore	Ongoing - work in progress
2018	5181861740	Unscheduled Manhole & Sewermain - 2018	30,000	-	-	30,000	0.0%	D.Alberton / D.Young	These funds are for the Emergency Sewer Repair contract and will be fully spent/committed by August 2019.
2018	5181874840	Sydenham Interceptor Swale Re-construction	260,000	-	-	260,000	0.0%	N.Winters / R.Moore	Re-evaluating project needs, monitoring site condition
2018	5181874841	Lower Davis Creek - Flood Control Facility	550,000	9,507	34,408	506,086	8.0%	N.Winters / R.Moore	Design and tender preparation in progress. 50% Design Complete.
<b><i>Sub-Total - Hamilton Storm Sewers - Roads O&amp;M</i></b>			<b>7,144,000</b>	<b>2,686,288</b>	<b>1,050,622</b>	<b>3,407,090</b>	<b>52.3%</b>		
<b><i>TOTAL WATER, WASTEWATER &amp; STORM SEWERS -</i></b>			<b>27,353,000</b>	<b>14,587,592</b>	<b>5,208,937</b>	<b>7,556,471</b>	<b>72.4%</b>		
<b>Total Public Works - Rate Supported</b>			<b>841,467,104</b>	<b>422,097,400</b>	<b>236,509,132</b>	<b>182,860,572</b>	<b>78.3%</b>		