



Hamilton

**CAPITAL PROJECTS WORK-IN-PROGRESS REVIEW
SUB-COMMITTEE
REPORT 18-001**

**9:30 a.m.
January 29, 2018
Room 264
Hamilton City Hall**

Present: Councillors C. Collins (Chair), J. Partridge (Vice-Chair), D. Conley, M. Pearson and B. Johnson

Absent: Councillor T. Whitehead (City Business)

**THE CAPITAL PROJECTS WORK-IN-PROGRESS REVIEW SUB-COMMITTEE
PRESENTS REPORT 18-001 AND RESPECTFULLY RECOMMENDS:**

- 1. Public Works - Capital Projects Status Report as of September 30, 2017 (FCS17076(a)) (City Wide) (Item 8.1) (attached hereto)**
 - (a) That the Capital Projects Status Report, Public Works Tax Supported Projects, as of September 30, 2017, attached as Appendix "A" to Report FCS17076(a), be received; and,
 - (b) That the Capital Project Status Report, Public Works Rate Supported Projects, as of September 30, 2017, attached as Appendix "B" to Report FCS17076(a), be received.

FOR INFORMATION:

(a) CHANGES TO THE AGENDA (Item 1)

The Committee Clerk advised of the following change to the agenda:

- (i) Item 8.2 was moved up the agenda for discussion before Item 8.1, to allow staff to leave the meeting once they had answered questions from committee.

The agenda for the January 29, 2018 Capital Projects Work-In-Progress Review Sub-Committee meeting was approved, as amended.

(b) DECLARATIONS OF INTEREST (Item 2)

There were no declarations of interest.

(c) APPROVAL OF MINUTES OF PREVIOUS MEETING (Item 3)

(i) September 21, 2017 (Item 3.1)

The Minutes of the September 21, 2017 meeting of the Capital Projects Work-In-Progress Review Sub-Committee meeting were approved, as presented.

(d) DISCUSSION ITEMS (Item 8)

(i) Capital Projects Closing Report as of September 30, 2017 (FCS17078(a)) (City Wide) (Item 8.2)

Report FCS17078(a) - Capital Projects Closing Report as of September 30, 2017, was deferred to the February 8, 2018 Capital Projects Work-in-Progress Meeting, to allow for non-Public Works items to be discussed.

(d) ADJOURNMENT (Item 13)

There being no further business, the Capital Projects Work-In-Progress Review Sub-Committee, was adjourned at 10:38 a.m.

Respectfully submitted,

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

Angela McRae
Legislative Coordinator
Office of the City Clerk



Hamilton

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

TO:	Chair and Members Capital Projects Work-in-Progress Sub-Committee
COMMITTEE DATE:	January 29, 2018
SUBJECT/REPORT NO:	Public Works - Capital Projects Status Report as of September 30, 2017 (FCS17076(a)) (City Wide)
WARD(S) AFFECTED:	City Wide
PREPARED BY:	Abe Chegou (905) 546-2424 Ext. 4047
SUBMITTED BY:	Brian McMullen Director, Financial Planning, Administration and Policy Corporate Services Department
SIGNATURE:	

RECOMMENDATIONS

- (a) That the Capital Projects Status Report, Public Works Tax Supported Projects, as of September 30, 2017, attached as Appendix "A" to Report FCS17076(a), be received;
- (b) That the Capital Project Status Report, Public Works Rate Supported Projects, as of September 30, 2017, attached as Appendix "B" to Report FCS17076(a), 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 September 30, 2017.

Appendix "A" to Report FCS17076(a) reflects the status of the Public Works Tax Supported Projects totalling \$890.6 M, of which \$678.1 M or 76.1% is spent or committed as of September 30, 2017.

Appendix "B" to Report FCS17076(a) reflects the status of the Public Works Rate Supported Projects and consists of projects totalling \$869.0 M, of which \$673.1 M or 77.5% is spent or committed as of September 30, 2017.

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.

The following Table shows the trend, over the last four years, in project completion percentage.

Percentage of Completion Comparison as of September 30

	2017	2016	2015	2014
Tax Supported Program	76.1%	82.4%	75.7%	84.1%
Rate Supported	77.5%	81.5%	82.5%	75.0%

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 Works-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 has finalized a procedure and has provided departments with templates to commence Standing Committee reporting for the June 30, 2013 reporting period. Reports will be brought forth to Standing Committees three times per reporting year, as of June 30, September 30 and December 31. This will allow 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 FCS17076(a) 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

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 monitor 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 FCS17076(a) is based on spending to September 30, 2017.

ALTERNATIVES FOR CONSIDERATION

Not applicable.

ALIGNMENT TO THE 2016 – 2025 STRATEGIC PLAN

Community Engagement & 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 September 30, 2017

Appendix "B" – Capital Projects Status Report – Public Works – Rate Supported Projects as of September 30, 2017.

AC/dt

**City of Hamilton Capital Projects Status Report - Public Works Tax Supported Projects
As of September 30, 2017**

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 September 30, 2017
			a	b	c	d	e		

Pan-Am Games

2011	3621154100	Pan Am Games - Ivor Wynne	149,700,000	140,366,022	10,339,587	(1,005,609)	100.7%	C.Ippolito	In Litigation - Discovery Period on-going. Purchase Order pending closure which will eliminate over expenditure of available funds.
Total Pan-Am			149,700,000	140,366,022	10,339,587	(1,005,609)	100.7%		

Parks & Cemetery

2014	4401451700	2014 Small Equipment Replace	120,000	97,028	27,712	(4,740)	104.0%	S.Williams	PO closure in process. Funds to be transferred to 4401751700 to facilitate small equipment replacements.
2014	4401453100	Cemetery Software Replacement	60,000	50,000	0	10,000	83.3%	S.Clarke	Q4 2017 to address software implementation issues
2015	4241509110	Victoria Park - Resurface Spla	140,000	0	0	140,000	0.0%	K.Bunn	Refurbishment of spray pad to be completed in Q2 2018 so as not to impact summer operations
2015	4401549002	Marina Pier&Dock Repair-Replc	252,100	118,868	1,356	131,876	47.7%	W.Kindree	Waterfront Shoreline restoration and erosion mitigation works, timing dependent on available funds
2015	4401549007	Cemetery Columbarium	240,000	160,310	71,203	8,487	96.5%	W.Kindree/S. Clarke	Mt. Hamilton project complete, remaining funds to be transferred to support Woodlands Columbarium project 4401649007, Q4-2017
2015	4401549107	Park Fencing Program	122,000	103,293	0	18,707	84.7%	W.Kindree/A. McDonald	Various locations to be completed when seasonally appropriate. Completion Q4 2017
2015	4401549503	Cemetery Development	183,320	59,399	123,921	0	100.0%	S. Clarke	Mount Hamilton Master Plan and Woodlands Columbarium Development ongoing Q4 2017 - Q1 2018
2015	4401549607	Outdoor Ice Rink Program	50,000	40,667	6,288	3,045	93.9%	W.Kindree/A. McDonald	Completed Q4-2017
2015	4401549612	Cemetery Id Signs	40,000	29,500	10,500	0	100.0%	W.Kindree/A. McDonald	To transfer funds to 4401649612, to be aggregated in support of the Mount Hamilton Sign.
2015	4401552600	Playground Lifecycle Replace	195,000	178,021	12,800	4,179	97.9%	W.Kindree/S. Ames	Remaining funds combined with Project ID 4401752600 complete a large project, completion Q3 2017.
2015	4241509110*	Victoria Park - Resurface Splash Pad	140,000	0	0	140,000	0.0%	W.Kindree/A. McDonald	Refurbishment of spray pad to be completed in Q2 2018.
2016	4241609101	Native Wildflower Garden	5,000	0	0	5,000	0.0%	K.Bunn	Project completion Q4 2017
2016	4241609103	Upgrades to Dow Parkette	300,000	10,712	0	289,288	3.6%	K.Bunn	Project managed through the Ward Councillors Office directly.
2016	4241609104	Victoria Park Playground	80,000	0	0	80,000	0.0%	K.Bunn	Project initiated, to be completed Q2-2018

City of Hamilton Capital Projects Status Report - Public Works Tax Supported Projects
As of September 30, 2017

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			a	b	c	d	e		
2016	4241609205*	Dog Park Amenities	20,000	0	20,000	0	100.0%	W.Kindree/A. McDonald	To be completed Q4 2017
2016	4241609603*	Irrigation System Macassa Park	120,000	79,627	0	40,373	66.4%	W.Kindree/A. McDonald	Increased capacity proposed for new irrigation system Q2 2018
2016	4401611601	Cemetery Roads Rehabilitation Program	95,000	23,845	15,253	55,902	41.2%	W.Kindree/S. Clarke	Work to be completed 2017 at Woodlands Cemetery
2016	4401641001	Cemetery Building Repairs	80,000	6,181	45,890	27,929	65.1%	W.Kindree/S. Clarke	Completion Q4 2017 for Mount Hamilton Improvements
2016	4401649007	Cemetery Columbarium	50,000	0	50,000	0	100.0%	R.Martin/S. Clarke	Work to be completed 2017 at Woodlands Cemetery
2016	4401649008	Extreme Park Makeover Program	45,000	29,613	0	15,387	65.8%	A.Moroz	Remaining funds to be transferred to 4401749008.
2016	4401649101	Park Pathway Resurfacing Program	200,000	144,513	98,460	(42,973)	121.5%	W.Kindree/A. McDonald	Various locations to be completed when seasonally appropriate Q4 2017. Transfer funds from 4401749101 to cover negative variance
2016	4401649102	Sports Field Rehab Program	80,000	12,615	59,166	8,219	89.7%	W.Kindree/A. McDonald	Funding to be allocated to 2018 Woodlands Park 2017-Field and pathway improvements
2016	4401649104	Park Sports/Security Lighting Upgrade Program	30,000	3,656	0	26,344	12.2%	W.Kindree/A. McDonald	LED upgrades and replacements to park lighting Completion Q4 2017
2016	4401649607	Outdoor Ice Rink Program	50,000	27,851	22,616	(467)	100.9%	W.Kindree/A. McDonald	Project complete and pending final invoice payments.
2016	4401649612	Cemetery ID Sign Program	50,000	31,291	18,709	0	100.0%	W.Kindree/A. McDonald	Mount Hamilton Sign Completion Q4 2017
2016	4401651601	Equipment Acquisition (DC) Program	247,000	0	3,728	243,272	1.5%	S.Williams	Procurement process underway, subject to Fleet timing projects should be closed by Q1 2018
2016	4401652600	Playground Lifecycle Replacement Program	200,000	0	200,000	0	100.0%	W.Kindree/S. Ames	Completion Q4 2017-Gage Park
2016	4401654699	Tennis Court Rehabilitation Program	70,000	14,020	17,500	38,480	45.0%	W.Kindree/S. Ames	Project Complete. Remaining funds to address deficiencies in 2018 as needed.
2016	4401656001*	Leashfree Dog Park Program	60,000	1,042	0	58,958	1.7%	A.McDonald	Improvements and repairs to Cathedral Dog Park, Borers Dog Park Completion Q4 2017
2017	4401711601	Cemetery Roads Rehab Program	80,000	65,000	15,750	(750)	100.9%	W.Kindree/S. Clarke	Asphalt work, including Mount Hamilton Q3 2017.
2017	4401718002	Pedestrian Bridge Repl&Repair	75,000	0	0	75,000	0.0%	W.Kindree/A. McDonald	Expected completion Q2 2018.

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 September 30, 2017**

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2017	4401741001	Cemetery Building Repairs	75,000	0	0	75,000	0.0%	W.Kindree/S. Clarke	Mount Hamilton Works building repairs, Q4 2017/Q1 2018
2017	4401749007	Cemetery Columbarium	50,000	0	46,415	3,585	92.8%	S.Clarke	Completion Q4 2017 for Woodlands Columbarium
2017	4401749008	Extreme Park Makeover	23,000	13,023	0	9,977	56.6%	A.Moroz	North Central Park Complete. Funds to be transferred to 2018 project ID when feasible for Woodlands Park.
2017	4401749101	Park Pathway Resurfacing	220,000	147,477	12,099	60,424	72.5%	W.Kindree/A. McDonald	Project to be completed in Q4 2017
2017	4401749104	Security Lighting Program	43,400	1,832	0	41,568	4.2%	W.Kindree/A. McDonald	LED upgrades and replacements to park lighting 'Completion Q4 2017
2017	4401749107	Park Fencing Program	100,000	13,620	64,288	22,092	77.9%	W.Kindree/A. McDonald	Various locations Q4 2017
2017	4401749510	Spraypad Infrastructure Rehab	116,321	0	0	116,321	0.0%	W.Kindree/A. McDonald	Gage Park pressure investigation, Q2 2018
2017	4401749607	Outdoor Ice Rink Program	35,000	0	3,000	32,000	8.6%	W.Kindree/A. McDonald	Expected completion Q4 2017
2017	4401749610	Park bleacher Replacement	40,000	1,094	0	38,906	2.7%	W.Kindree/A. McDonald	Expected completion Q2 2018.
2017	4401749612	Cemetery Id Signs	45,000	0	23,390	21,610	52.0%	W.Kindree/A. McDonald	Mount Hamilton Sign Completion Q4 2017
2017	4401751501	Sportsfield Irrigation System	60,000	17,723	6,882	35,395	41.0%	W.Kindree/A. McDonald	Turner Park Irrigation Q3 2017 (Complete)
2017	4401751601	Equipment Acquisitions - DC	363,155	0	91,420	271,735	25.2%	S.Williams	'In process of inventory and replacement schedule. Fully committed and spent by Q3 2018.
2017	4401751700	2017 Small Equipment Replace	75,000	11,722	59,235	4,043	94.6%	S.Williams	In process of inventory and replacement schedule Q2 2018.
2017	4401752100	CSA Safety Material Replace	107,832	80,472	22,920	4,440	95.9%	W.Kindree/S. Ames	Various locations, work complete Q4 2017
2017	4401752600	Playground Lifecycle Replace	194,068	85,581	89,890	18,597	90.4%	W.Kindree/S. Ames	Various locations, work complete Q4 2017
2017	4401756001	Leash free Dog Park Program	107,458	4,543	39,700	63,215	41.2%	A.McDonald	Investigation to shade/amenity provisions at various dog parks, Q4 2017
2017	4401756709	Augustus Jones Fountain Rep	13,750	0	0	13,750	0.0%	K.Bunn	Work completed under different account, journal transfer required.
2017	4401756711	Felker Prk-Play Structure	95,000	0	0	95,000	0.0%	K.Bunn	Project initiated, to be completed Q2-2018
Total Parks & Cemetery			5,243,404	1,664,139	1,280,091	2,299,174	56.2%		

Note: * Project is partially or fully funded from Area Rating AMade 1 to 8) program

**City of Hamilton Capital Projects Status Report - Public Works Tax Supported Projects
As of September 30, 2017**

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 September 30, 2017
			a	b	c	d	e		
Forestry & Horticulture									
2011	4451153001	Emerald Ash Borer Plan	11,776,631	10,465,311	963,783	347,537	97.0%	L.Seely	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	5,225,500	1,357,740	3,885,575	(17,815)	100.3%	L.Seely	Construction ongoing. Completion target Fall 2018. Variance to be mitigated at year end from surplus capital from Project ID 4451451009 (1301 Upper Ottawa Yard Enhancement)
2014	4451451009	1301 Upper Ottawa St Yard Enhancement	455,000	403,919	35,790	15,291	96.6%	J.Taylor	Project Complete and pending PO Closure. To transfer surplus funds to Project ID 4451451004 (Gage Park Tropical House)
2015	4241509678*	Mountain Brow Vista Study Plan	278,000	127,776	16,230	133,994	51.8%	M.Monaghan	On-going program with next steps being implemented. Expected completion prior to year end.
2016	4241609507*	Tree Planting Wrd 5	400,000	76,453	15,458	308,089	23.0%	L.Seely	Multi-year, Councillor initiated project. Staff working with community representatives and Ward Councillor to identify and investigate planting locations for the 2018 planting season.
2016	4451653444	Tree Planting Program	1,345,000	1,153,859	71,237	119,904	91.1%	L.Seely	Project complete, pending invoice processing. Transfer surplus funds to 4451753444.
2016	4451653644	Tree Planting Program Wards 3-5	398,910	124,620	0	274,290	31.2%	L.Seely	Multi-year Councillor initiated project, Community coordination and Staff Directed programs in progress.
2017	4451749701*	W1 Beautification-Victoria Pk	70,000	12,080	0	57,920	17.3%	L.Seely	Project completed. Return surplus funds to source. Close September 30.
2017	4451751007	Rural Street&Prk Tree Inventor	140,000	(14,006)	110,257	43,749	68.8%	L.Seely	Multi-year project, in year 2 of 3. Expected completion Q4 2018.
2017	4451751700	2017 Small Equipment Replace	60,000	4,960	17,626	37,414	37.6%	L.Seely	Small Equipment Replacement project is in year 1 of 3. Expenditure on target.
2017	4451753444	Tree Planting Program	2,001,020	1,416,847	866,253	(282,080)	114.1%	L.Seely	Project ongoing, variance to be mitigated by year end.
Total Forestry & Horticulture			22,150,061	15,129,559	5,982,209	1,038,293	95.3%		

Waste Management

2008	5120892410	West Hamilton Landfill Stabilization	250,000	237,322	12,418	260	99.9%	R.Conley	Waiting on final invoices to be submitted.
2009	5120991101	Glanbrook Landfill-Stage 3 Development	6,800,000	2,203,374	4,584,832	11,794	99.8%	R.Conley	Contract awarded and has commenced. Expect completion at the end of Q4 2017.
2012	5121241200	Accommodation Updates	200,000	4,636	0	195,364	2.3%	R.Ellis	Approvals are in progress and work is being priced for accommodation of staff.
2012	5121290111	Leaf&Yard Composting Facility Relocation	200,000	105,200	94,995	(195)	100.1%	R.Conley	Project complete pending final payment of invoices.

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 September 30, 2017

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 September 30, 2017
			a	b	c	d	e		
2013	5121357001	GPS System-Curbside Collection	85,000	69,177	4,656	11,167	86.9%	C.Vidler	Keep account open. RFP to be issued in Q4-2017 which requires the remaining funds
2014	4241409206*	Poster Kiosks	70,000	0	0	70,000	0.0%	P.Wobschall/ K.Bunn	Consultation with stakeholders re locations within Ward 2 are being finalized. RFQs are being prepared for manufacturing and install. Installation planned Q2 2018.
2014	5121449002	CCF Air Handling-Odour Control	1,246,000	333,504	0	912,496	26.8%	J.McCormick	Currently preparing to conduct pilot testing and obtaining regulatory approvals. Anticipate completion Q2 2018.
2014	5121490411	MRF Remediation	210,000	101,666	100,092	8,242	96.1%	E.Prpic	Currently completing RSC process including Phase I & II ESAs. Anticipate project completion Q2 / Q3 2018.
2014	5121490530	Sign Kiosks&Poster Sleeve Prgm	200,000	0	0	200,000	0.0%	P.Wobschall	Consultation with BIAs re locations are being finalized. RFQs are being prepared for manufacturing and install. Installation planned Q2 2018
2014	5121492000	Closed Landfill Maint&Cap Impr	172,000	83,504	34,682	53,814	68.7%	R.Conley	Available funds to be utilized for the contract administration extension of West Hamilton slope remediation. Will be committed by end of November 2017.
2014	5121492410	WH-Bank Stabilization South	2,245,000	1,678,287	70,844	495,869	77.9%	R.Conley	Due to extreme flooding in the spring of 2017 this project was extended with both time and materials as specified by engineers to meet MTO specs. Permission to extend works was granted by the DFO and HCA. This project will be closed out by December of 2017.
2015	5121591000	Glan Landfill Cap Improvements	222,000	104,585	43,914	73,501	66.9%	R.Conley	Work has been put on hold. Waiting on a business plan from WSP. To review business plan in Q4 2017.
2015	5121594511	Transfer Stn & CRC Expansion	200,000	73,926	0	126,074	37.0%	J.McCormick	Recommendations from report are being used to complete LEAN (Six Sigma Continuous Improvement) exercise and capital improvements/expansion will be implemented by Q4 2018
2016	5121651602	New Driver/Vehicle Technology	100,000	29,277	4,495	66,228	33.8%	C.Vidler	Keep account open. RFP to be issued in Q4-2017 which will need the remaining funds
2016	5121655610	2020 Waste System Planning	450,000	132,059	2,372	315,569	29.9%	E.Prpic	Work ongoing. Funds to be committed in 2017/2018 for RFP review/contract preparation
2016	5121691000	Glanbrook Landfill Capital Improvement Program	275,000	216,554	55,972	2,474	99.1%	R.Conley	Project complete, pending payment of final invoices.
2016	5121692000	Closed Landfill Maintenance & Capital Improvement Program	290,000	213,997	73,414	2,589	99.1%	E.Prpic	Project complete, pending payment of final invoices.
2016	5121693000	Maint & Capital Improvements-Resource Recovery Centre	87,200	43,728	0	43,472	50.1%	E.Prpic	Container line performance audit is ongoing.

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

City of Hamilton Capital Projects Status Report - Public Works Tax Supported Projects
As of September 30, 2017

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2016	5121695525	SWMMP - Planning & Approvals Program	90,000	25,237	0	64,763	28.0%	E.Prpic	Funds to be committed in Q1-2018 (pending outcome of Multi Residential Strategy report)
2017	5121755137	Waste Management R&D	195,000	70,516	15,460	109,024	44.1%	E.Prpic	P.O.'s open for current projects which will continue into 2018. Remaining funds to be committed in Q1-2018 (pending outcome of Multi Residential Strategy report)
2017	5121790100	CCF Rolling Stock Replacement	1,097,000	0	0	1,097,000	0.0%	E.Prpic	Front-end loaders to be purchased in Q4.
2017	5121790200	Diversion Container Replcemnt	695,000	538,595	147,832	8,573	98.8%	C.Vidler	Keep account open. P.O's currently being used and funds will be committed by year end
2017	5121790700	PublicSpace&Sp Event Containers	250,000	4,469	181,000	64,531	74.2%	C.Vidler	P.O. issued and funds to be committed
2017	5121791000	Glan Landfill Cap Improvements	305,000	273,202	30,594	1,204	99.6%	R.Conley	Project complete, pending payment of final invoices.
2017	5121792000	Closed Landfill Maint&Cap Imp	211,000	(35,046)	168,407	77,639	63.2%	E.Prpic	Work includes flushing leachate collection systems at various landfill sites, various maintenance work, and consultant reports to be funded from this project ID. Expect to be fully committed by Q4 2017.
2017	5121793000	Resource Recovery Centre	270,000	46,192	84,866	138,942	48.5%	J.McCormick	Projects are on going - Please keep open
2017	5121794000	Transf Stn CRC Main Improv	543,856	109,137	260,315	174,404	67.9%	J.McCormick	Projects are on going - Please keep open
2017	5121794002	Transfer Stn Door Replace	200,000	124,267	1,633	74,100	63.0%	J.McCormick	Pending payment of final invoice.
2017	5121794700	Weighscale Software Upgrade	130,000	0	126,466	3,534	97.3%	E.Prpic	Funding will be fully utilized by end of Q1 2018.
2017	5121794729	SWMMP - Ait Disposal Facility	0	0	0	0	0.0%	E.Prpic	This project has been deferred.
2017	5121795525	SWMMP- Planning&Approvals Prgm	120,000	0	0	120,000	0.0%	E.Prpic	Funds to be committed in Q1-2018 (pending outcome of Multi-Residential Strategy report)
Total Waste Management			17,409,056	6,787,365	6,099,259	4,522,432	74.0%		

Open Space Development

2007	4400756103	Heritage Green Sports Park	3,263,800	3,237,819	30,000	(4,019)	100.1%	M.Stewart	Works yard construction ongoing per site plan approval. Project coordinated by Parks Operations staff. Keep open until construction complete.
2007	4400756755	Joe Sams Park Phase 2 Development	3,365,000	2,547,693	175,144	642,163	80.9%	L.Stasiuk	Ball diamond lighting project under construction. Estimated completion spring 2018. Design and construction of picnic shelter in coordination with Lion's Club in 2018. Multi-phase, multi-year project, keep open.

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2008	4400856600	Olmstead Natural Open Space	1,386,000	1,288,135	78,522	19,343	98.6%	C.Graham	Ongoing monitoring for vegetation establishment and erosion mitigation. Keep open.
2010	4401056002*	The Gore Master Plan	3,699,454	3,488,006	56,308	155,140	95.8%	M.Stewart	Installation of the west beacon is complete. Future work for Phase 3 construction. Keep open.
2010	4401056060	Open Space Replacement Strategy - East Mountain Trail	1,216,000	801,129	28,711	386,160	68.2%	J.van der Laan de Vries	tender for the trail construction imminent, expected completion by July 2018. Keep open.
2010	4401056090	Johnson Tew Park	1,345,200	1,304,763	45,961	(5,524)	100.4%	H.T.Lam	Project complete, pending warranty. Evaluating commitments to determine closures and final payments. Keep open
2010	4401056127*	Churchill Park-Soccer Field & MP	2,163,690	874,875	17,677	1,271,138	41.3%	H.T.Lam	Phase 1 construction tender is waiting on permit approval by the NEC. Multi-year, multi-phase program, keep open.
2010	4401056521	Trillium Seabreeze Park	980,000	917,438	3,425	59,137	94.0%	I.McQueen/M. Kosiuk	The city is presently dealing with legal issues on the project. PW11-41 cannot be closed at this time.
2011	4401156916	Freelton Community Park Development	271,510	159,807	0	111,703	58.9%	L.Stasiuk/K. Berry	project is complete. Funds identified for WIP funding of 2018 projects through the capital budget process.
2012	4401255002	Confederation Park Feasibility Study	256,000	242,497	12,800	703	99.7%	L.Stasiuk	Final version of the study pending. Keep open.
2012	4401256126	Shaver Neighbourhood Park Development	1,511,777	996,755	99,565	415,457	72.5%	J.van der Laan de Vries	Tender closed in September 2017. Tender price exceeded available funds. Anticipate retendering in January 2018 to capitalize on historical low prices for winter tenders.
2012	4401256201	Fairgrounds Community Park	387,846	278,767	0	109,079	71.9%	M.Kosiuk/Construction Services	Reappropriate remaining funds to Mount Hope Park Redevelopment - 4401456009 and close.
2012	4401256516	Trillium Garden Park	344,450	106,880	34,512	203,058	41.0%	L.Thomassin	Design work in progress, restrictions due to natural heritage and grading. Future funds required for implementation.
2012	4401256520	Gage Park Redevelopment - Walkway Lighting and Paving	2,894,416	2,132,985	78,211	683,220	76.4%	L.Thomassin	Re-evaluating work program, as coordination with Facilities upgrades was not feasible, and cost estimates exceed available funds. Multi-year, multi-phase program.
2012	4401256593	Marimat Gardens University Gardens	139,060	136,804	2,300	(44)	100.0%	M.Stewart	Reconcile and close
2012	4401256613	Ancaster Community Center Ball Diamond	468,305	111,586	5,049	351,670	24.9%	K.Preston	Ongoing work with NEC for permit approval. Keep open.
2012	4401256801	Green Millen Shore Estates Waterfront	825,000	652,310	9,857	162,833	80.3%	M.Kosiuk	Final payments pending for the construction of the trail. Developer build. Keep open for final payment per PDFA.
2013	4241309202*	McLaren Park - redevelopment	748,450	732,298	7,613	8,539	98.9%	M.Stewart	Project complete. Pending PO closure, reconcile and transfer funds to Beasley Park.

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2013	4401356002*	Beasley Park Rehabilitation	2,086,475	329,738	65,258	1,691,479	18.9%	J.van der Laan de Vries	Tender anticipated imminently. Project on-going.
2013	4401356107	Cherry Beach Lakefront Park	3,812,100	2,367,079	225,231	1,219,790	68.0%	M.Kosiuk/R. Estate	Construction of shoreline works complete. Funds required for on-going works related to future park development. Ongoing, multi-year program.
2013	4401356124	William Connell Community Park	5,440,000	1,941,297	3,507,681	(8,978)	100.2%	M.Kosiuk	Construction progressing. SWM pond mostly complete, with park amenities underway. Construction completion anticipated in Spring 2018. Future phase for building construction. Keep open until construction complete.
2013	4401356541	Borers Creek Trail Link	774,000	236,555	553,534	(16,089)	102.1%	L.Thomassin	Construction is almost complete, anticipate substantial performance in Q4 2017. Keep open.
2013	4401356801	Confederation Park - Sports Park Development	9,161,685	4,509,070	1,044,742	3,607,873	60.6%	H.T.Lam	Demolition tender awarded, and underway. Design work for sports park on track for site plan application in Q4 2017. multi-year, multi-phased project, Keep open.
2014	4241409204*	Outdoor Bake Oven	15,000	0	0	15,000	0.0%	C.Graham	Per PW Report 17-009, motion Item 10.1 reallocated this funding to Beasley Park project.
2014	4241409214*	Beasley Skateboard Park	80,000	8,711	0	71,289	10.9%	J.van der Laan de Vries	Tender anticipated imminently. Project on-going.
2014	4241409341*	Pipeline Master Trail Plan	480,000	266,934	47,666	165,400	65.5%	J.van der Laan de Vries	Deficiencies outstanding and being corrected fall 2017. Future phases of trail for design and construction in 2018.
2014	4401456009	Mount Hope Park Redevelopment	700,000	127,147	110,063	462,790	33.9%	M.Kosiuk	Work to coordinate spray pad with library improvements did not yield favourable bids, so projects separated, per motion at PW on October 16, 2017. Tender anticipated in Q4, 2017. Keep open.
2014	4401456101	Perth Park - Grange School	525,000	416,756	0	108,244	79.4%	M.Stewart	Construction is complete. Keep open pending deficiency review and release of holdback.
2014	4401456300	Parkside Hills	90,000	9,800	0	80,200	10.9%	L.Stasiuk	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.
2014	4401456401*	Parkland - Stadium Precinct	12,418,475	8,702,564	315,982	3,399,929	72.6%	T.Briatico/M. Stewart	Investigations and site work by LAS in progress. Anticipate Risk Assessment initiation Q4 2017 or Q1 2018.
2015	4241509115*	Urban Fitness Trail	28,200	0	0	28,200	0.0%	L.Todd	Ward 4 Fitness trail, to coordinate with future of community centre, and pending funding for construction.
2015	4401556500	Meadowlands Park Ph 8 & 10	550,000	537,817	201	11,982	97.8%	M.Stewart	Project complete. Pending PO closure, reconcile and transfer avail balance to 4401256126 - Shaver Neighbourhood Park Development

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2015	4401556503	Heritage Green Sports Pk Ph II	855,000	224,966	8,056	621,978	27.3%	M.Stewart	Tender awarded, and construction started on the spray pad and play area. Anticipated completion in spring 2018. Future funds for future phases required. Keep open.
2015	4401556504	Trails Master Plan Update	383,300	127,108	242,360	13,832	96.4%	L.Todd	Multi-yr. program. Future funds required to implement individual trail initiatives. Pending construction of Key Drage Trail Link through this account, to be constructed in 2017, to be coordinated with stream restoration project for MOL conflicts.
2015	4401556506	Vincent Massey Park Developmnt	644,000	565,832	104,312	(26,144)	104.1%	J.van der Laan de Vries	Construction is complete. Keep open pending deficiencies and former holdback release.
2015	4401556510	Dundas Valley HS Soccer	250,000	31,478	0	218,522	12.6%	C.Graham	Funding contribution for soccer field. Funds to be committed on invoicing expected in 2017. Coordinated project through Recreation.
2015	4401556511*	Nash Orchard Park	18,646	10,367	0	8,279	55.6%	M.Stewart	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	780,000	627,612	112,668	39,720	94.9%	M.Stewart	Construction complete. Some additional work required on site to respond to safety concerns by public. Keep open.
2015	4401556513*	Riverdale East Park Spray Pad	520,000	476,288	45,311	(1,599)	100.3%	K.Wheaton	Construction complete, including fix of deficiencies. Keep open pending holdback release. Closure of PO will reconcile overage.
2015	4401556514*	St Christopher's Park	230,000	98,868	500	130,632	43.2%	C.Graham/A. McDonald	Cilr driven program. Parks Ops Lead. Minor works remaining. Keep open until project is complete.
2015	4401556516*	Carpenter Park Redevelopment	669,000	432,830	170,992	65,178	90.3%	L.Thomassin	Construction complete. Keep open pending holdback release.
2015	4401556802	Beach Park Dev Program	100,000	30,065	0	69,935	30.1%	C.Graham	On-going program. Funded through Beach Reserve at Councillor's request. For use at Cilr discretion.
2016	4401649620	Confederation Park - Wild Waterworks - Creation of a Master Plan for the Waterpark - HCA Lead	200,000	74,453	126,169	(622)	100.3%	L.Stasiuk/J. DiDomenico	HCA Lead; Project is a Ward Councillor priority. Funds are for Waterpark improvements and a visioning exercise to be used as input to future business strategy for the facility. Anticipated completion by Q3-2018
2016	4401655600	Parks Testing and Reporting	46,700	42,667	4,052	(19)	100.0%	C.Graham	Ongoing program required for testing and quality control at park and trail development projects.
2016	4401656002	Gore Master Plan Phase 2 (Open Space Development Blk)	1,652,000	1,317,760	357,794	(23,554)	101.4%	M.Stewart	Installation of the west beacon is complete. Future work for Phase 3 construction. Keep open.

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2016	4401656601	Bobolink Replacement Habitat	204,000	132,994	47,743	23,263	88.6%	K.Wheaton	Bobolink habitat enhancement at Upper Ottawa Landfill site. Keep open for duration of the contract. Ongoing project, monitoring by MNR.
2016	4401656602	Summerlea East and West Trail	141,400	134,102	0	7,298	94.8%	M.Kosiuk	Close and reconcile.
2016	4401656603	Sam Lawrence Park	170,000	49,180	47,705	73,115	57.0%	L.Stasiuk	Investigation of engineering requirements for works at park to address aging viewing decks. Ongoing program. Parks Ops Lead
2016	4401656605	Upper Stoney Creek Splash Pad #2	605,010	95,487	46,951	462,572	23.5%	M.Stewart	Tender closed, waiting on award of the contract. Anticipated construction start in Q4 2017, with completion target of spring 2018.
2016	4401656610	Turner Park Ball Field Irrigation	100,000	100,762	0	(762)	100.8%	C.Graham/A. McDonald	Reconcile and close
2016	4401656613	RHV Trails Master Plan - The Turtle	165,500	119,500	30,549	15,451	90.7%	M.Stewart	Project complete, pending holdback release. Keep open.
2016	4401656802	Beach Park Development Program	100,000	20,000	0	80,000	20.0%	C.Graham	On-going program. Funded through Beach Reserve at Councillor's request. For use at Cllr discretion.
2017	4401755600	Parks Testing and Reporting	99,200	48,707	49,077	1,416	98.6%	C.Graham	Ongoing program required for testing and quality control at park and trail development projects.
2017	4401756402	Waterdown S Pk 2 (Agro Pk)	710,000	71,000	0	639,000	10.0%	M.Kosiuk	Construction is complete. Payment pending legal agreement with Developer. Keep open.
2017	4401756612	Up Country Ests Proposed Pk DB	710,000	71,000	0	639,000	10.0%	M.Kosiuk	Developer-build park. Tender and construction in 2017. Keep open pending final payments and holdback release.
2017	4401756701	North Wentworth Pk Lands Exp	350,000	35,000	0	315,000	10.0%	M.Stewart	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	17,456	79,910	27,634	77.9%	H.T. Lam	Design work underway for location and site specific design. Multi-year project, keep open.
2017	4401756703	Mountain Brow Path	200,000	47,816	112,946	39,238	80.4%	L.Thomassin	Public consultation for this project in Q4 2017. Design refinement in 2018. Future funds will be required for implementation of recommended route.
2017	4401756706*	Roxborough Park ReDev & Design	91,000	18,717	6,885	65,398	28.1%	L.Thomassin	Public consultation to begin in Q4 2017. ongoing coordination with CHH and developer. Future funds required for construction of the redevelopment plan. Keep open.
2017	4401756710	Valley Prk-Skateboard Prk	100,000	0	0	100,000	0.0%	C.Graham	Design work on this project to begin in 2019, construction to follow
2017	4401756718	Ancaster Meadows Pk (Proposed)	70,000	14,554	5,985	49,461	29.3%	M.Kosiuk	Public consultation in October 2017. Design refinement in 2018. Future funds required for construction, pending transfer of ownership to city.

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2017	4401756802	Beach Park Dev Program	100,000	0	0	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	700,000	70,000	625,000	5,000	99.3%	M.Kosiuk	Construction progressing. SWM pond mostly complete, with park amenities underway. Construction completion anticipated in Spring 2018. Future phase for building construction. Keep open until construction complete.
2017	4401756907*	Century Street Park	220,000	45,743	0	174,257	20.8%	L.Stasiuk	Creation of a parkette from a former parking lot. Coordination with Cllr's office for engagement with local high school students. Design work pending.
2017	4401856900	Bruce Park Spraypad	530,000	0	0	530,000	0.0%	C.Graham	New spray pad at Bruce Park, funded by Motion 9.3 at PW committee on June 5, 2017. Design work started, construction in 2018.
Total Open Space Development			73,266,649	44,616,327	8,780,978	19,869,344	72.9%		

West Harbour Strategic Initiative

2012	5181206222	Setting Sail-Floating Brkwater	4,860,000	4,010,031	29,165	820,804	83.1%	G.Norman	Project complete and under warranty. Available funds to be appropriated to 4411506107 Piers 5-7 Marina Shoreline Rehab through 2018 capital budget process. Then CLOSE.
2013	4901355303	Piers 5-8 Prkng&Traffic Study	100,000	88,635	11,355	10	100.0%	G.Norman	Parking strategy complete
2013	8201355302	Urban Design & Dev - Piers 5-8	292,000	232,239	0	59,761	79.5%	G.Norman	UDS complete; leave funds for possible work generated by appeal of zoning by-law
2013	8201355880	Implementation of Setting Sail	437,000	319,296	140,362	(22,658)	105.2%	G.Norman	In-progress supporting various WHSI projects including Pier 8 Solicitation. Appropriate overage related to chargebacks from 4411606002 "Real Estate Disposition Process"
2015	4411506101	Pier 7 Docks & Pier 8 Repair	4,530,000	4,481,582	10,000	38,418	99.2%	G.Norman	Project complete and under warranty. Waiting to pay outstanding design fees.
2015	4411506102	Pier 4 Repair & Pier 8 Trail	265,000	210,541	0	54,459	79.4%	G.Norman	Project complete and under warranty. Waiting to pay outstanding design fees.
2015	4411506103	Pier 8 Sanitary PS & Forcemain	5,850,000	425,607	402,593	5,021,800	14.2%	G.Norman	Detailed design at 90%; refining detailed design prior to tender
2015	4411506104	West Harbour Draft Plan&Zoning	610,000	469,133	43,471	97,396	84.0%	G.Norman	Draft plan and zoning under appeal; scope of additional work including costs has been developed and is underway
2015	4411506105	Pier 5-7 Marina Reconstruction	7,635,000	8,785,896	391,669	(1,542,565)	120.2%	G.Norman	Project complete; Harbour West Marina (HPA) and Royal Hamilton Yacht Club (RHYC) to be invoiced in Q4. Variance is made up of revenues expected from RYHC and HPA per finance agreements.
2015	4411506106	Marina Services & Gas Dock	355,000	36,673	0	318,327	10.3%	G.Norman	Project underway ; being coordinated with Piers 5-7 (HWT)
2015	4411506107	Pier5-7 Marina Shoreline Rehab	8,065,000	1,303,328	600	6,761,072	16.2%	G.Norman	Project underway by HWT

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2015	4411506108	West Harbour RSC	1,633,900	1,252,382	385,763	(4,245)	100.3%	G.Norman	In progress; RA / RMP complete; anticipating surplus when RSC is filed in 2017
2015	4411506109	West Harbour Site Remediation	2,182,000	587,012	341,841	1,253,147	42.6%	G.Norman	Project underway; main buildings demolished; remediation complete; site prep complete in early 2018
2015	4411506111	Bayfront Park Beach Study	200,000	129,635	73,259	(2,894)	101.4%	G.Norman	Study complete.
2015	4411506201	Central Park Master Plan	100,000	52,412	60,670	(13,082)	113.1%	G.Norman	In the detail design and budget approval for park in 2018. There may be money left over when the design is completed.
2016	4411606001	CHH Site Servicing Study	120,000	15,453	0	104,547	12.9%	G.Norman	On hold pending further scoping
2016	4411606002	Real Estate Disposition Process	464,200	198,676	67,410	198,114	57.3%	G.Norman	Prequalified Proponents identified Sept. 2017. RFP to be released Nov. 2017. Preferred Proponent to be identified by Mar. 2018.
2016	4411606003	Community Engagement Imp.	460,000	162,726	0	297,274	35.4%	G.Norman	Program in support of public-facing WHSI projects; on-going; complete in 2019.
2016	4411606004	Marketing Communication Imp.	450,000	95,980	13,078	340,942	24.2%	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	1,985,000	368,352	351,937	1,264,711	36.3%	G.Norman	Detailed design underway
2016	4411606102	Pier 5-7 Boardwalk	510,000	19,316	0	490,684	3.8%	G.Norman	Project underway by HWT
2016	4411606103	Pier 6 Artisan Village (CAN150)	1,170,000	21,892	0	1,148,108	1.9%	G.Norman	Project underway by HWT
2016	4411606104	Pier 7 Commercial Village	2,250,000	45,071	0	2,204,929	2.0%	G.Norman	Project underway by HWT
2016	4411606105	Pier 8 Shorewall	8,095,000	673,042	0	7,421,958	8.3%	G.Norman	Detailed design underway
2016	4411606106	Pier 8 Promenade	860,000	39,188	0	820,812	4.6%	G.Norman	Detailed design underway
2016	4411606111	Bayfront Park Beach Rehab	80,000	70,826	0	9,174	88.5%	G.Norman	Implementation on hold until after report to Council
2016	4411606201	Bar-Tiff Site Remediation	850,000	72,545	67,330	710,125	16.5%	G.Norman	ESA underway
2016	4411606202	Bar-Tiff Site Servicing Study	180,000	18,384	0	161,616	10.2%	G.Norman	Additional study to be scoped through development of B-T Disposition Strategy
2016	5121692001	Central Park Remediation	4,100,000	150,921	13,805	3,935,274	4.0%	G.Norman	Scoping risk assessment and risk management plan requirements
2017	4411706101	Pier 6-8 Servicing Constrn	4,330,000	367,869	0	3,962,131	8.5%	G.Norman	To be tendered in Q4 or Q1 2017
2017	4411706102	Pier 8 Park	219,300	69,896	85,503	63,901	70.9%	G.Norman	Detailed design underway
2017	4411706103	Bayfront Park Upgrades Ph 1	500,000	24,427	0	475,573	4.9%	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	0	0	110,000	0.0%	G.Norman	Project underway by HWT

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2017	4411706105	WH Parking Garage Feasibility	300,000	14,656	0	285,344	4.9%	G.Norman	Scope is being prepared
2017	4411706201	Bar-Tiff Real Est Solicitation	100,000	0	0	100,000	0.0%	G.Norman	Report to Council with Recommendations expected in early 2018.
2017	4411706202	Adaptive Comm Re-use 125 Barton St. W	800,000	0	0	800,000	0.0%	G.Norman/R. Ellis	Design nearly complete. Applied for Building Permit. Anticipated tender Q4 2017.
Total West Harbour Initiative			65,048,400	24,813,622	2,489,811	37,744,967	42.0%		

Energy Initiatives

2014	7901448401	Combined Heat Power Macassa	1,525,000	41,164	6,067	1,477,769	3.1%	F.Jilani	Close out Q4 2017 pending resolution of funding for reappropriation for 7901448402.
2014	7901448402	Transit Centre EE Lighting	290,000	366,094	0	(76,094)	126.2%	F.Jilani	Funding of deficit from 7901448401. Reappropriation of funds pending.
2014	7901448403	Low E Ceilings-Arenas	100,000	101,699	0	(1,699)	101.7%	M.Carson	Incentives due to arrive in Q4 2017. Close out will occur subsequent to receiving incentives
2014	7901448406	Ice Plant Optimization Arenas	425,000	63,071	0	361,929	14.8%	M.Carson	Continue to resolve procurement process.
2016	7901641600	Hamilton Place LED Light	590,000	0	447,705	142,295	75.9%	M.Carson	Contract awarded Sept, 2017. Work underway 33% completed
2016	7901641601	First Ontario Centre	530,000	340,793	60,246	128,961	75.7%	M.Carson	Project 100% Complete. Close out in Q4
2016	7901641602	Fire Stations LED Light	215,000	9,525	11,232	194,243	9.7%	F.Jilani	Bids received in Sept, 2017 and being evaluated.
2016	7901641603	Parkdale Firestone Ceiling	90,000	4,520	92,270	(6,790)	107.5%	M.Carson	Construction complete. Funds to be appropriated to close out in Q4
2016	7901641604	Aquatic Centres Ext LED Light	106,000	0	13,706	92,294	12.9%	M.Carson	On hold pending funding from GHG Challenge fund program. City to be advised of outcome in Feb 2018
2016	7901641605	Valley Park LED Light	220,000	0	6,864	213,136	3.1%	M.Carson	On hold pending funding from GHG Challenge fund program. City to be advised of outcome in Feb 2018
2016	7901641606	Ice Arena LED Light	1,212,075	17,160	1,188,387	6,528	99.5%	M.Carson	Construction to be complete in Q4. Close out Q1 2018
2016	7901641607	Olympic Arena Infa Heater	33,925	30,425	3,500	0	100.0%	A.Azhari	Complete. Closing project Q4
2016	7901641608	Dundas Lion LED Light	25,000	17,408	1,324	6,268	74.9%	A.Azhari	Complete. Closing project Q4
2016	7901641609	Macassa BAS Upgrade	60,000	0	0	60,000	0.0%	F.Jilani	On hold pending decisions made on building refrigeration system
2016	7901641610	Ancaster Achievement Light	40,000	27,789	2,496	9,715	75.7%	A.Azhari	Complete. Closing project Q4
2016	7901641611	Sackville Exterior Light	25,000	22,626	2,090	284	98.9%	A.Azhari	Complete. Closing project Q4
Total Energy Initiative			5,487,000	1,042,274	1,835,887	2,608,839	52.5%		

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Corporate Energy									
2013	3541351006	Building Automated Systems	600,000	276,494	53,557	269,949	55.0%	F.Gazzola	Proceeding with next site for BAS upgrade - Riverdale Community Centre.
Total Corporate Energy			600,000	276,494	53,557	269,949	55.0%		
Fleet									
2014	4941451003	Restoration - Fleet Fuel Sites	1,280,000	186,221	646,064	447,715	65.0%	A.Fletcher/J. Sheen	Work is underway at 7 locations, on schedule for awarded projects to be completed in 2017
2015	4941551100	Fleet-Vehicle & Equipment Repl	5,860,860	5,157,466	744,476	(41,082)	100.7%	T.Kagianis	On schedule for completion Q4 2017
2016	4941651001	Shop Equipment Replacement	165,000	76,639	51,650	36,711	77.8%	T.Kagianis	Diagnostic Equipment not received, on schedule for completion Q4 2017
2016	4941651004	Street Sweeper Purchase	1,300,000	294,956	736,963	268,081	79.4%	J.Sheen	PO issued. Anticipate delivery and in service by end of 2017.
2016	4941651100	Fleet Vehicle&Equipment Replace Program	8,314,210	4,491,595	2,625,196	1,197,419	85.6%	T.Kagianis	On schedule for completion end of 2018
2017	4941751001	Shop Equipment Replacement	160,000	5,328	34,765	119,907	25.1%	T.Kagianis	Final quotes and approvals received, equipment ordered.
2017	4941751100	Fleet-Vehicle & Equipment Repl	7,085,000	2,095,075	3,829,867	1,160,058	83.6%	T.Kagianis	On schedule for completion end of 2019
Total Fleet			24,165,070	12,307,280	8,668,981	3,188,809	86.8%		
Facilities									
2013	3541349003	Backflow Prevention-Facilities	2,103,000	1,159,364	668,402	275,234	86.9%	C.McKay/K. Zukauskas	Ongoing through 2017/2018.
2013	3541351005	Generator BlackOut Testing	282,000	201,892	35,000	45,108	84.0%	T.Briatico	Completion 2017. Surplus to be utilized for electrical deficiencies in 2017/2018.
2013	3541357001	Archibus-Facility Maintenance	29,400	29,372	0	28	99.9%	C.Phinney	Commitments cleared. Reappropriate surplus funds to offset anticipated deficits in annual program and close PID in 2017.
2013	4401356800	Bayfront Park Work Yard	1,950,000	363,479	71,589	1,514,932	22.3%	C.Euale	Multi-year project. Project currently in shovel ready state pending funding approval. Ongoing into 2018.
2014	3541441401	POA Administration Offices	32,880,000	16,004,172	17,085,950	(210,122)	100.6%	L.Nelson/J. Warner	Construction underway. Targeting move-in early Q3 2018 and public opening late August 2018.
2014	3541441729	Copps Lifecycle Renewal Progrm	420,000	404,038	0	15,962	96.2%	C.Euale	Commitments cleared. Reappropriate to annual program to fund ongoing priorities then CLOSE.
2014	3541441910	RCMP Lease-Capital Replacement	434,000	202,630	231,370	0	100.0%	T.Briatico	Project in construction. Expected financial completion Q4-2018.
2014	3541451004	HVAC Energy Efficiency Upgrade	289,250	204,186	0	85,064	70.6%	R.Ellis	Commitments have now cleared. Favourable variance to fund deficit in 3541451403.

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2014	3541451403	BAS System Relocate & Upgrade	76,025	76,025	0	-	0.0%	R.Ellis	Project complete, pending re-appropriation from 3541451004 to close next BER
2014	3541455001	Yard Capital Renewal Program	290,905	192,245	534	98,126	66.3%	T.Briatico/J. Joginder	Leaks to building envelope require redirecting remaining funds to the McNab Tunnel building envelope in 2017. Ongoing into 2018.
2015	3541541409	Code & Legislative Compliance	450,000	376,036	55,946	18,018	96.0%	R.Ellis	Waiting for commitments to clear. Remaining funds to be used for the Compliance program for 2017, targeting completion in 2017/2018.
2015	3541541510	Control Ctre & Automation Upgr	1,100,000	336,985	64,000	699,015	36.5%	R.Ellis	Priorities include immediate commitment for capital reinvestment in the central plant equipment with HCE. Ongoing 2017/2018.
2015	3541541631	Facilities Security Program	150,000	82,414	16,350	51,236	65.8%	R.Ellis	Corporate Security Review has been completed. Funds are to implement and execute the recommendations of the review in 2017. Ongoing into 2018.
2015	3541557001	Archibus-Facility Maintenance	50,000	5,684	0	44,316	11.4%	R.Ellis	Next phase of inventory and PMs to commence in 2017/2018. Ongoing.
2016	3541641010	Facility Upgrades Libraries	312,000	132,466	180,654	(1,120)	100.4%	R.Ellis	Library facilities renewals ongoing in 2017. Financial housekeeping in process on annual program. Once commitments clear, then reconcile with annual program to fund ongoing priorities then CLOSE.
2016	3541641013	Firestations Facility Upgrade	363,121	88,887	63,035	211,199	41.8%	R.Ellis	Firestation facilities renewals ongoing in 2017.
2016	3541641402	MTC - CNG Facility Upgrades	1,309,000	1,146,952	206,044	(43,996)	103.4%	R.Ellis	Construction underway. Targeting construction completion by end of 2017 and financial close by early 2019.
2016	3541641409	Code & Legislative Compliance	720,000	500,740	209,831	9,429	98.7%	R.Ellis	City Hall structural rehabilitation was completed in 2016. After the financial close, once all commitments have cleared, reconcile to 2017 Compliance then CLOSE.
2016	3541641412	Roof Management Program	920,000	671,988	39,694	208,318	77.4%	R.Ellis	Roof replacements ongoing in 2017. Reconcile then CLOSE. Once commitments clear, then reconcile with annual program and CLOSE.
2016	3541641532	Facility Capital Maintenance	300,000	133,518	132,896	33,586	88.8%	R.Ellis	Commitments anticipated to clear in 2017. Once commitments clear, then in 2018, reconcile with annual program and CLOSE.
2016	3541641601	Animal Contrl Facility Design	75,000	51,957	0	23,043	69.3%	R.Ellis	Animal control works started in 2016, ongoing in 2017.
2016	3541641602	Anc Memorial Arts&Culture Cntr	1,200,000	345,720	706,335	147,945	87.7%	R.Ellis	Design is well underway. Anticipated tender for construction in 2018.
2016	3541641631	Facilities Security Program	150,000	81,294	10,340	58,366	61.1%	R.Ellis	Corporate Security Review has been completed. Funds are to implement and execute the recommendations of the review in 2017. Ongoing into 2018.
2016	3541641638	Overhead Door Replacement Prog	100,000	45,630	0	54,370	45.6%	R.Ellis	Overhead Door Replacements ongoing in 2017.

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2016	3541641648	Parking Lot Rehabilitation	250,000	40,228	27,636	182,136	27.1%	R.Ellis	Parking lot rehabilitations in multiple locations complete and underway. Design work starting on 2017 parking lot replacement priorities. Ongoing into 2018.
2016	3541641910	RCMP-Lease-Capital Replacement	210,000	70,806	68,045	71,149	66.1%	R.Ellis	Project in construction. Expected financial close Q4-2018.
2016	3541655001	Yard Capital Renewal Program	344,190	178,400	90,616	75,174	78.2%	R.Ellis	Work at yards ongoing in 2017 and 2018 (e.g. 330 Wentworth & salt domes).
2016	3541657001	Archibus-Facility Maintenance	100,000	10,082	0	89,918	10.1%	R.Ellis	2017 work in Archibus ongoing with programmers (e.g. space planning and links to AutoCAD)
2017	3541741010	Facility Upgrades Libraries	81,000	13,264	43,018	24,718	69.5%	R.Ellis	2017 work in Libraries is ongoing.
2017	3541741013	Firestations Facility Upgrade	150,000	0	0	150,000	0.0%	R.Ellis	2017 work in Firestations is ongoing
2017	3541741409	Code & Legislative Compliance	760,000	24,151	29,335	706,514	7.0%	R.Ellis	2017 work on Compliance is ongoing.
2017	3541741412	Program - Roof Management	730,800	251,119	298,834	180,847	75.3%	R.Ellis	2017 roof design and construction work is ongoing.
2017	3541741532	Facility Capital Maintenance	641,000	315,654	305,289	20,057	96.9%	R.Ellis	2017 work on Facility Capital Maintenance is ongoing.
2017	3541741603	Central Library Window Repl	1,200,000	55,401	130,208	1,014,391	15.5%	R.Ellis	Target summer 2017 tender. Canada 150 project with deadline of March 2018.
2017	3541741604	Binbrook Town Hall Skylights	250,000	5,274	210,800	33,926	86.4%	R.Ellis	Tender for Binbrook Town Hall Skylights has been awarded, construction underway. Financial close expected Q4-2018.
2017	3541741605	HAMILTON Sign	225,000	0	0	225,000	0.0%	R.Ellis	New Exterior Signage at City Hall. Project on-hold until 2018.
2017	3541741631	Facilities Security Program	100,000	0	0	100,000	0.0%	R.Ellis	Corporate Security Review has been completed. Funds are to implement and execute the recommendations of the review in 2017. Ongoing into 2018.
2017	3541741648	Parking Lot Rehabilitation	405,300	51,084	70,030	284,186	29.9%	R.Ellis	2017 work on parking lots is ongoing into 2018.
2017	3541741910	RCMP Lease-Capital Replacement	210,000	6,855	186,394	16,751	92.0%	R.Ellis	Project in construction. Expected financial completion Q4-2018.
2017	3541755001	Yard Capital Renewal Program	200,000	0	0	200,000	0.0%	R.Ellis	2017 work in Yards is ongoing (e.g. 330 Wentworth & salt domes).
2017	3541755700	Downtown Office Accommodation	100,000	0	0	100,000	0.0%	R.Ellis	Master Office Accommodation Planning (MOAP) Committee has met and is working on an RFP for a design consultant. Ongoing into 2018.
2017	3541757001	Archibus-Facility Maintenance	100,000	0	0	100,000	0.0%	R.Ellis	2017 work in Archibus ongoing with programmers (e.g. space planning and links to AutoCAD)
Total Facilities			52,010,991	23,859,992	21,238,175	6,912,824	86.7%		

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Entertainment Facilities									
2013	3721341801	HCC Interior Renovations	200,000	184,740	15,260	0	100.0%	R.Ellis	Commitments anticipated to clear in 2017/early 2018. Significantly smaller deficit is anticipated once final invoices are paid. Reconcile with program for HCC HP & CC Lifecycle Renewal.
2015	3721541803	HP Replacements & Renovations	200,000	186,810	14,839	(1,649)	100.8%	R.Ellis	Next phase of carpet replacement at HP is complete. Furniture replacement complete. Additional phase of carpet replacement is at the planning stage. Once commitments clear, reconcile with annual program and CLOSE.
2015	3721541805	HCC HP & FOC Lifecycle Renewal	720,519	461,979	256,800	1,740	99.8%	R.Ellis	Lifecycle renewal priorities at HCC, FOC and FOCH (formerly HP) are currently underway. Items completed such as security measures at FOC and compliance item with Fire Order at FOCH. Brick repair at HCC underway.
2016	3721641805	HCC, HP & FOC Lifecycle Renewal	282,080	194,211	86,870	999	99.6%	R.Ellis	Lifecycle renewal priorities at HCC, FOC and FOCH (formerly HP) are currently underway. Items completed such as security measures at FOC and compliance item with Fire Order at FOCH. Brick repair at HCC underway.
2017	3721741600	Commonwealth Sq&Summers Ln	530,000	0	0	530,000	0.0%	R.Ellis	Work currently in design for Commonwealth Square & Summer's Lane.
2017	3721741805	HCC HP & FOC Lifecycle Renewal	1,171,000	53,281	381,791	735,928	37.2%	R.Ellis	Lifecycle renewal priorities at HCC, FOC and FOCH (formerly HP) are currently underway. Items completed such as security measures at FOC and compliance item with Fire Order at FOCH. Brick repair at HCC underway.
2017	3721751701	HP Audio Equipment Repair&Repl	60,000	34,994	4,506	20,500	65.8%	R.Ellis	Audio equipment replacement in progression 2017 at FOCH (formerly HP).
Total Entertainment Facilities			3,163,599	1,116,015	760,066	1,287,518	59.3%		

Recreation Facilities

2005	7100554707	Flamborough Twin Pad Arena	18,820,170	18,992,128	127,364	(299,322)	101.6%	C.Euale	Project complete. Portion of property to be sold by Real Estate&Rec City Services. Sale proceeds part of the funding model. Review in 2017/2018.
2010	7101041707	ISF-2425 Morgan Firestone Twin	10,275,000	10,334,172	0	(59,172)	100.6%	J.Warner	Project close pending litigation results anticipated in Q4 2017. DC funded for reconciliation/ mitigation.
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 2018.
2012	4241209108*	Churchill Prk Bwling Wintrznng	200,000	179,294	9,662	11,044	94.5%	K.Berry	Project complete. Waiting on commitments to clear. Anticipated PID closure in 2017/early 2018.

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2012	7101254201*	Scott Park-New Senior Centre	23,900,000	9,705,601	14,494,621	(300,222)	101.3%	J.Warner	Construction underway. Target construction completion in 2018. Add'l costs continue to be incurred due to poor soil conditions. Anticipated deficit will be reconciled prior to project close. Reconcile with PID 7101649602.
2012	7101254214	Freelton Park Building	2,780,000	2,753,269	16,622	10,109	99.6%	K.Berry	Construction completed, pending financial close in 2018.
2012	7101254216	Program - Roof Management	569,200	569,188	0	12	100.0%	K.Berry	CLOSE SEPTEMBER 30, 2017
2013	4241309203*	Cent Mem Rec Cntr - dgtl sign	35,000	33,457	1,717	(174)	100.5%	K.Berry	Waiting for commitments to clear. Anticipated PID closure in 2017/early 2018.
2013	7101341350	Greenville Hall Structure	329,340	331,621	0	(2,281)	100.7%	L.Keermaa	CLOSE September 30, 2017
2013	7101354104	Ancaster Senior Centre Expand	1,848,060	2,014,760	0	(166,700)	109.0%	L.Nelson	Project complete. Project reconciliation to be completed in 2018 with corporate finance and in consultation with legal services due to termination and change of general contractor.
2013	7101354105	Park & Fieldhouse Retrofits	1,205,835	1,153,245	0	52,590	95.6%	L.Keermaa	Reconcile then CLOSE.
2013	7101354202*	New Dalewood Community Centre	1,900,000	1,642,784	179,757	77,459	95.9%	C.Euale	Construction complete. Waiting for commitments to clear. Project to financially close in 2018.
2014	4241409208*	Old Beasley Ctre Kitchen Reno	46,600	7,810	39,360	(570)	101.2%	J.Joginder	Budget updated for 2017. Detailed design complete. RFQ award. Project to complete by end of 2017 and financial close in early 2018.
2014	7101454105	Park & Fieldhouse Retrofits	682,910	683,910	1,108	(2,108)	100.3%	K.Berry L.Keermaa	Mahoney Pk construction started. Montgomery Pk Construction completed. Reconcile from annual program then close.
2014	7101454202	Waterdown Memorial Pk Ice Loop	3,000,000	3,235,604	165,877	(401,481)	113.4%	K.Berry	Construction complete. Project to financially closed in 2018. Mitigation of unfavourable budget variance through 2018 capital budget process.
2014	7101454704	HPRC Independence from School	598,000	170,358	0	427,642	28.5%	C.Euale	Reconcile and close as part of 2018 Budget Process.
2014	7101454710	SWL Rec Cntr Independence	1,648,000	1,308,208	127,535	212,257	87.1%	C.Euale	Construction complete. Project to Close in 2018.
2015	4241509116*	Ph1 Design - SWL Gym Project	100,000	44,970	14,207	40,823	59.2%	R.Ellis	The preliminary SWL feasibility is complete. Geotechnical and additional due diligence still to be completed in 2017/2018. Remaining funds to be reappropriated to 7101754805 with councillor permission."
2015	7101541706	Recreation Centre Retrofits	218,969	111,926	41,229	65,814	69.9%	R.Ellis	Elevator repairs and refurbishment outstanding for 2017/2018 based on 3rd party recommendations.
2015	7101551501	Facility Vehicles	160,000	87,352	0	72,648	54.6%	R.Ellis	Facilities Operations completed specifications for a vehicle RFT. Some vehicles were replaced. Additional vehicle replacements anticipated in 2018.

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2015	7101554105	Park & Fieldhouse Retrofits	936,000	434,491	504,804	(3,295)	100.4%	L.Keermaa	Mahoney Pk construction started. Montgomery Pk Construction completed. Reconcile from annual program then close.
2015	7101554506	Valley Park Community Ctr-Expn	300,000	116,607	8,830	174,563	41.8%	R.Ellis	Library has chosen option which is an addition onto the existing Recreation Centre. Valley Park Recreation Centre renos will be slightly rescoped in 2017 and targeted to start in 2020.
2015	7101554507	Chedoke Arena Roof	1,200,000	1,159,728	27,908	12,364	99.0%	R.Ellis	Project is complete. Once final commitments have cleared, this project can be closed with any surplus to be utilized to fund anticipated deficit in roofing program.
2015	7101554508	Public Use Feasibility Study	150,000	61,863	9,957	78,180	47.9%	R.Ellis	Phase 1 of the Recreation Indoor Use study presented to E & CS Committee in Q3 2016. Phase 2 was deemed necessary moving into 2018.
2015	7101554509*	Mohawk Track - Redesign	900,000	177,438	697,824	24,738	97.3%	R.Ellis	Design completed. Construction nearly complete. Ribbon cutting Oct. 21 2017. Financial close anticipated in 2018.
2015	7101554510	Dundas JLGrightmire Arena Reno	7,000,000	586,359	6,413,641	0	100.0%	R.Ellis	Detailed design complete. Site Plan & Building permit obtained. Construction tender awarded. Construction started. Target fall 2018 completion.
2015	7101554536	Program - Arena Retrofits	184,000	145,299	27,617	11,084	94.0%	R.Ellis	Once commitments clear, reappropriate to annual program in order to fund ongoing priorities then close.
2015	7101557501	Scheduling&Payroll Sftware App	50,000	0	0	50,000	0.0%	R.Ellis	Appropriate and close this capital line, software not required at this time.
2015	7101557502	CLASS Software Upgrades	260,380	14,399	61,250	184,731	29.1%	R.Ellis	Contract signed January 2017, PO requisition in process to commit these funds.
2015	7101558501	Parkdale Outdoor Pool Redev	225,000	39,502	136,075	49,423	78.0%	R.Ellis	Design has started. Progress beyond design contingent on additional funding.
2016	7101641601	Ancaster Aquatic Centre Refurbishment	1,375,000	1,357,820	48,065	(30,885)	102.2%	R.Ellis	Canada 150 Project. Construction completed. Public opening took place October 14 2017.
2016	7101641701	Program - Community Halls Retrofits	550,000	397,417	223,487	(70,904)	112.9%	R.Ellis	Deficit to be mitigated through the annual program and closure of PO's
2016	7101641706	Program - Recreation Centre Retrofits	71,630	55,838	11,310	4,482	93.7%	R.Ellis	Reconcile and close in 2017/2018. Modest surplus will resolve with reconciliation of Annual Program.
2016	7101649601	Bernie Arbour Stadium - Upgrades	150,000	77,484	64,249	8,267	94.5%	R.Ellis	Improvements underway and ongoing in 2017/2018.
2016	7101649602*	Scott Park Precinct Ice Pad & Spray Pad Installation	2,400,000	211,357	1,500,600	688,043	71.3%	R.Ellis	Tender Awarded. Reconcile with PID 7101254201.
2016	7101651210	Golf Cart Purchases PW16021	685,673	687,476	0	(1,803)	100.3%	R.Gatto	Ongoing, 2nd year of 4 year contract (buy back from service provider at end of term).

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2016	7101654105*	Program - Park & Fieldhouse Retrofits	1,194,000	869,997	377,218	(53,215)	104.5%	R.Ellis	Mahoney Pk construction started. Montgomery Pk Construction completed. Reconcile from annual program then close.
2016	7101654536	Program - Arena Retrofits	561,250	453,724	108,932	(1,406)	100.3%	R.Ellis	At the end of the 4th year (2019) the golf carts are bought back by Club Car, from that point the funds are directed to Corporate Finance to pay off our internal debt.
2016	7101654601	Ice Plant Freon Upgrades	500,000	0	0	500,000	0.0%	R.Ellis	Funds for this project were reappropriated by Council as part of the 2017 capital budget process. Funds for this project will be required in advance in order to meet the refrigerant phase-out deadline of January 1, 2020.
2016	7101654603	Beverly Recreation Centre/School	1,800,000	83,626	68,810	1,647,564	8.5%	R.Ellis	Project in design. Collaboration with HWDSB ongoing. Project may tender early 2018.
2016	7101654608	William Schwenger Park Washroom Facility	500,000	491,727	16,562	(8,289)	101.7%	R.Ellis	Project awarded. 2017 start of construction.
2016	7101654609	Greenville Recreation Centre/School	1,800,000	122,841	125,415	1,551,744	13.8%	R.Ellis	Project in design. Collaboration with HWDSB ongoing. Project will tender Spring 2018.
2016	7101654610	Carlisle & Beverly Arena Accessibility Upgrades & Expansion	790,000	783,081	16,025	(9,106)	101.2%	R.Ellis	Canada 150 Projects. Construction complete. Project will financially close in 2018.
2016	7101654611	Mt. Hope and Binbrook Hall Renovations & Accessibility Upgrades	1,920,200	1,513,353	417,667	(10,820)	100.6%	R.Ellis	Canada 150 Projects. Binbrook Memorial Hall construction complete. Mt. Hope tender awarded and construction is underway.
2016	7101654612*	Bobby Kerr & Trenholme Park Washroom Facilities	850,000	971,117	96,643	(217,760)	125.6%	R.Ellis	Projects Awarded. Q4 2016 Trenholme, 2017 Bobby Kerr. Significantly smaller deficit is anticipated once final invoices are paid. Anticipated deficit will be mitigated through reappropriation and the capital budget process.
2016	7101654613	Westoby (Olympic) Arena Roof	750,000	424,700	0	325,300	56.6%	R.Ellis	Canada 150 Project complete. Financial close ongoing.
2016	7101654700	Pinky Lewis Recreation Centre Expansion Project	1,402,000	147,684	143,769	1,110,547	20.8%	R.Ellis	Infrastructure Project in Design. Anticipated tender award Q1 2017.
2016	7101654702	Program - Facility Capital Maintenance	295,000	122,521	199,675	(27,196)	109.2%	R.Ellis	Emergency and maintenance renewal works ongoing in 2017. Anticipated deficit to be mitigated through the annual program.
2016	7101654802	William Connell Park Washroom Facility	2,236,200	430,994	837,769	967,437	56.7%	R.Ellis	Project in design with LAS. Project targeting 2017 & 2018 tender and construction of two facilities.

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2016	7101655501	Recreation Studies	180,430	28,027	7,439	144,964	19.7%	R.Ellis	Recreation Planning to conduct studies on surplus HWDSB properties in 2015/16. Funds to initiate Ph2 of the Recreation Indoor Use study in 2017/18 which requires updating to reflect current demographics, community needs and planning priorities.
2016	7101657601	Class Software Licensing Fees	70,000	0	0	70,000	0.0%	R.Ellis	PO Requisition approval in process. This funding will be used to recover a portion of Recreation's CLASS license fees for 2017 as we will be running with two software licenses for a period of time.
2017	3541755101	Recreation Facilities Audit Program	142,100	14,157	121,692	6,251	95.6%	R.Ellis	Reconcile and close late 2017, early 2018.
2017	7101741701	Community Halls Retrofits	100,000	34,681	0	65,319	34.7%	R.Ellis	Community Halls projects ongoing in 2017.
2017	7101741706	Recreation Centre Retrofits	190,700	17,040	73,255	100,405	47.3%	R.Ellis	Recreation projects ongoing in 2017.
2017	7101754105	Park & Fieldhouse Retrofits	150,000	4,652	115,200	30,148	79.9%	R.Ellis	Park & Fieldhouse projects ongoing in 2017.
2017	7101754508	Public Use Feasibility Study	150,000	0	0	150,000	0.0%	R.Ellis	Public Use & Feasibility Studies ongoing in 2017.
2017	7101754536	Program - Arena Retrofits	500,000	289,918	45,082	165,000	67.0%	R.Ellis	Arena projects ongoing in 2017.
2017	7101754701	Glanbrook Arena Elevator	200,000	55,773	526,195	(381,968)	291.0%	R.Ellis	Canada 150 Project. Design complete. Tender awarded.
2017	7101754702	Mountain Arena Elevator	330,000	20,205	186,680	123,115	62.7%	R.Ellis	Canada 150 Project. Project design complete, tender awarded Q3 2017.
2017	7101754703	Senior Centre Retrofits	100,000	0	6,500	93,500	6.5%	R.Ellis	Senior Centre Projects ongoing in 2017.
2017	7101754704	Huntington Pk Rec Centre Reno	1,600,000	420,195	1,186,856	(7,051)	100.4%	R.Ellis	Design completed. Project awarded, targeting completion Q1 2018. Largely infrastructure renewal.
2017	7101754705	Turner Park Washrooms	662,000	45,705	616,373	(78)	100.0%	R.Ellis	Canada 150 Project. Design completed. Construction started.
2017	7101754708	Waterdown Pool & RecCtr Fsbilty	100,000	0	0	100,000	0.0%	R.Ellis	Project Manager assigned, met with HWDSB and Rec to discuss options.
2017	7101754709	Wolverton Parkland Imprv&Demo	160,000	0	0	160,000	0.0%	R.Ellis	Project specification underway.
2017	7101754805	SirWilfridLaurier GymRepl Addn	550,000	0	0	550,000	0.0%	R.Ellis	Project funding in progress.
2017	7101758002*	Alexander Park Splashpad	573,384	37,701	25,320	510,363	11.0%	R.Ellis	Canada 150 Project. Project tendered and currently in award. Q4 2017 construction start.
2017	7201754700	Outdoor Patio Cntrl Mem Rec	128,300	128,298	0	2	100.0%	R.Ellis	Project Complete. Reconcile then close in 2018.

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Total Recreation			106,540,331	67,737,338	30,387,753	8,415,240	92.1%		

Transportation

2004	5300483400	ATS Master Plan-Policy Revise	900,000	752,092	82,878	65,030	92.8%	D.Guy	75,000 trips built into 2016 budget, awaiting outstanding project commitments, likely close Q1 2018.
2005	5300583504	Fare Cards-System Enhancement	7,500,000	6,703,538	416,233	380,229	94.9%	N.Purser	Multi-year implementation underway. Initial installation complete. Still outstanding: Para transit - begin Q4 2017, Upass applications - Q3 2017, self service devices - TBD, third party network - Q1 2018.
2006	5310641001	ATS Accommodation	2,500,000	2,316,213	8,188	175,599	93.0%	N.Purser	Front foyer underway Q4 2017, renovate offices in drivers lounge area Q4 2017
2008	5300855100	Rapid Transit Studies	11,203,390	10,785,674	0	417,716	96.3%	J.Vander Heide	Project Complete. Corporate Finance to determine status of Council request for funding from Metrolinx and close once funding complete.
2010	5311055001	ATS Rebranding & Marketing Survey	485,000	442,309	31,734	10,957	97.7%	J.Vander Heide	Ongoing.
2011	5301185001	Customer Service Software	720,000	603,152	0	116,848	83.8%	D.Guy	Expected completion is Q1 2018.
2011	5311182002	ATS Mobile Data Terminals	1,125,000	690,513	0	434,487	61.4%	D.Guy	Ongoing- continue to add as fleet changes.
2013	5301384001	Rapid Transit - Quick Wins	11,993,000	8,341,953	343,947	3,307,100	72.4%	J.Vander Heide	All projects complete with exception of A&B-Line enhanced amenities (Ph1 complete, ph2 under construction). Surplus funds proposed for Limeridge Mall Terminal rehab to be coordinated with agreement renewal.
2013	5301384002	Mobility Programs	422,500	267,597	229,605	(74,702)	117.7%	J.Vander Heide	Ongoing program. Funds to be used towards development of supporting transit strategies and projects, e.g. 10 year transit strategy. Completion Q4 2017
2015	5301555500	Mtn&Storage Facility Expn Stdy	150,000	4,568	0	145,432	3.0%	J.Vander Heide	Project initiated. Feasibility studies & property acquisition underway.
2015	5301555501	Transit Priority Measures	130,000	69,198	44,999	15,803	87.8%	J.Vander Heide	Ongoing.
2015	5301558101	HSR New Bus Purchases	16,125,000	13,469,691	27,823	2,627,486	83.7%	M.Selkirk	Debenture proceeds to be booked. To be closed at year end.
2015	5301583501	Transit Hybrd Bus Battery Repl	601,000	61,056	0	539,944	10.2%	M.Selkirk	Ongoing.
2015	5301584501	Trapeze EAM Fleet Mngnt	800,000	469,656	218,758	111,586	86.1%	D.Guy	On hold - dependent on PTIF work.
2015	5301584505	Transit Passenger Count System	500,000	472,536	21,619	5,845	98.8%	D.Guy	Initial 25 buses outfitted; data testing ongoing.
2015	5311584501	PASS SUS&CERT Software Modules	197,000	158,000	50,733	(11,733)	106.0%	D.Guy	CERT complete. SUSS being tested.

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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	2,000,000	450,156	370,799	1,179,045	41.0%	J.Vander Heide	Ongoing.
2016	5301683503	Nonrevenue Vehicle Replace Program	127,000	24,294	0	102,706	19.1%	M.Selkirk	Ongoing.
2016	5301684503	Security Cameras on Buses	1,700,000	837,972	876,340	(14,312)	100.8%	M.Selkirk	Project to start July 2017. Estimated completion Q4 2017.
2017	5301749700	Garage Door Repl - MTC	1,320,000	13,859	45,732	1,260,409	4.5%	J.Vander Heide	Earliest completion date March 31, 2018 (2019?).
2017	5301749701	Transit Capital Infrastructure	3,300,000	6,834	176,035	3,117,131	5.5%	J.Vander Heide	Earliest completion date March 31, 2018.
2017	5301751500	Replace Bus Hoists	3,025,000	0	1,276,470	1,748,530	42.2%	M.Selkirk	Earliest completion date March 31, 2018 (2019?).
2017	5301751701	HVAC Upgrades-2200 Upper James	2,200,000	0	633,000	1,567,000	28.8%	M.Selkirk	Work progressing. Completion Q4 2017.
2017	5301755700	Transit Priority Measures	3,850,000	0	0	3,850,000	0.0%	J.Vander Heide	Working with Traffic on technical requirements. Completion Q2 2018.
2017	5301783100	2017 HSR Bus Replacement	11,400,000	211	11,399,565	224	100.0%	M.Selkirk	Earliest completion date March 31, 2018 (2019?).
2017	5301783503	2017 Non-Rev Vehicle Replace	85,000	0	0	85,000	0.0%	M.Selkirk	Earliest completion date March 31, 2018 (2019?).
2017	5301783700	HSR Bus Expansion Prgrm-10 Yr	10,380,000	0	10,375,680	4,320	100.0%	M.Selkirk	Earliest completion date March 31, 2018 (2019?).
2017	5301783701	Non Revenue Vehicle Exp-Growth	400,000	0	0	400,000	0.0%	M.Selkirk	Earliest completion date March 31, 2018 (2019?).
2017	5301784700	Radio Equipment Replacement	3,000,000	0	0	3,000,000	0.0%	D.Guy	Finalizing contract. Earliest completion data March 31, 2018.
2017	5301784707	Rapid Ready & 10yr Strategy	50,000	0	0	50,000	0.0%	J.Vander Heide	Studies to be completed Q4 2017.
2017	5301784710	Automated Passenger Counters	4,300,000	0	2,066,796	2,233,204	48.1%	D.Guy	Installation on total fleet to be completed Q2 2018.
2017	5301785602	Shelter Expansion & Rehab	7,043,000	-	-	7,043,000	0.0%	J.Vander Heide	Ongoing.
2017	5301785700	Bus Wash Rack Replacement	880,000	27,820	80,048	772,132	12.3%	M.Selkirk	Earliest completion date March 31, 2018 (2019?).
2017	5301785701	Transit Mtnc&Storage Facility	28,650,000	0	0	28,650,000	0.0%	J.Vander Heide	RFP submissions for design have been submitted. With procurement.
2017	5301785703	Limeridge Mall Terminal Redev	2,500,000	0	0	2,500,000	0.0%	J.Vander Heide	Awaiting agreement with Limeridge management. Ongoing.

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2017	5301785704	Sustainable NetworkConnections	3,025,000	1,156,471	1,457,973	410,556	86.4%	J.Vander Heide	Project underway. Completion Q2 2018.
2017	5301785708	Customer Service Software	1,605,000	0	1,079,250	525,750	67.2%	D.Guy	Ongoing. Earliest completion March 31, 2018.
Total Transportation			146,502,890	48,334,803	31,318,155	66,849,932	54.4%		

Roads - Engineering Services

2009	4030957950	Right of Way AM Business - RAMBO	1,038,500	892,859	0	145,641	86.0%	R.Andoga/A.J azvac	Ongoing - work in progress. Project is currently active with ongoing calibration and development
2011	4031118126	Bridge 163 - Centennial Parkway North, 540m n/o Barton St East	14,690,000	10,999,282	751,242	2,939,476	80.0%	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	0	435,882	12.8%	M.Oddi	Pending final audit upon completion of Centennial Bridge. Negotiations ongoing with CNR regarding Centennial Bridge, Bay and John Street bridges.
2012	4031218222	Bridge 329 - Burlington St E at Wilcox St	350,000	151,492	0	198,508	43.3%	R.Andoga/T. McClung	Ongoing - multi-year project. Design in 2017 and Construction 2020.
2012	4031218225	Bridge 391 - Governor's Rd, 275m w/o Weir Rd	2,049,000	1,566,179	483,557	(736)	100.0%	M.Oddi	Complete - pending final review/audit/payment
2012	4031218228	Bridge 248 - King St W 145 m w/o Bond St	400,000	129,639	48,676	221,685	44.6%	R.Andoga/T. McClung	Ongoing multi-year project. Class EA/ESA study underway, Design in 2017, Construction in 2019
2012	4031218526	Bridge 451 - Hwy 5 E, 120m e/o Mill St S	550,000	206,764	174,456	168,780	69.3%	R.Andoga/T. McClung	Ongoing - multi-year project. Ongoing Functional & Archaeological review, 2017 Design, Construction 2024.
2013	4031314405	Contaminated Soil & Rock Disposal 2013	1,683,000	1,430,402	161,737	90,861	94.6%	R.Andoga/P. McNab	Complete - Close once commitments are paid/cleared
2013	4031319101	Road Reconstruction Program - 2013	10,696,000	9,522,265	627,046	546,689	94.9%	M.Oddi/P. McNab	Multi-year project. 8 of 9 projects have been awarded. Burlington & Industrial - Ottawa to Kenilworth has been delayed and rebudgeted in 2020. Garth reconstruction and Centennial major contributors to existing purchase orders. Per the proposed 2018 Capital Budget, \$200k surplus being returned to gas tax reserve and \$220k is being used to WIP fund the 2018 roads program.
2014	4031418425	Bridge 450 - Highway No 5	350,000	170,074	91,011	88,915	74.6%	R.Andoga/T. McClung	Ongoing multi-year project. Design ongoing and Construction 2018.
2014	4031418426	Bridge 088 - Mill St	1,709,000	626,518	1,104,844	(22,362)	.101.3%	M.Oddi	Construction ongoing

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2014	4031418430	Bridge 344 - Concession 5W	650,000	142,878	449,742	57,380	91.2%	M.Oddi	Construction ongoing
2014	4031418436	Bridge 449 - Hwy 52	2,450,000	1,701,942	789,879	(41,821)	101.7%	M.Oddi	Construction ongoing
2014	4031418437	Bridge 417 - Harrison Road	150,000	39,192	13,991	96,817	35.5%	R.Andoga/T. McClung	Ongoing multi-year project. Design ongoing and Construction accelerated from 2020 to 2019
2014	4031418438	Bridge 397 - Glanaster Road	610,000	90,334	17,198	502,468	17.6%	R.Andoga/T. McClung	Ongoing multi-year project. Construction funding in 2017 but construction likely to be delayed until 2018 .
2014	4031418447	Bridge 447 - Bell Rd	570,000	112,179	380,166	77,655	86.4%	M.Oddi	Construction ongoing
2014	4031419101	Road Reconstruction Program - 2014	12,310,000	11,571,302	476,653	262,045	97.9%	M.Oddi/P. McNab	Multi-year project. The majority of the purchase orders are for James - Barton to Strachan and Parkdale - Barton to Burlington. Surplus approximately \$250k at this time.
2014	4241409105*	W1 Alleyway Improvements	100,000	36,136	0	63,864	36.1%	P.Wobschall/J DiDomenico	This work was coordinated by P&P on behalf of the citizens and Ward 1 Councillor as discussed through Participatory Budgeting process. The activities are in progress and being delivered by Roads & Maintenance (Operations Division). They will be charging back their (internal) costs to this Project ID. Anticipate that the work will be complete by the end of Q4-2017.
2014	4241409705*	Chipman Ave-Urbanization	350,000	257,474	22,415	70,111	80.0%	M.Oddi	Complete - Close once commitments are paid/cleared
2015	4031511015	Road Resurfacing Program - 2015	4,890,000	4,137,073	134,181	618,746	87.3%	M.Oddi/Pat McNab	Complete - Close once commitments are paid/cleared. Per the proposed 2018 Capital Budget, \$500k surplus being returned to gas tax reserve.
2015	4031511225	Geotechnical Investigation Program - 2015	208,000	180,789	27,409	(198)	100.1%	M.Oddi/P. McNab	Complete - Close once commitments are paid/cleared
2015	4031515820	Traffic Counts Program - 2015	150,000	113,002	37,893	(895)	100.6%	G.McGuire	Complete - Close once commitments are paid/cleared
2015	4031518219	Structural Investigations and Reports - 2015	400,000	238,090	163,494	(1,584)	100.4%	R.Andoga/T. McClung	Complete - Close once commitments are paid/cleared
2015	4031518347	Bridge 347 - Carlisle Rd, 355 m w/o Wildberry Way	400,000	48,569	23,796	327,635	18.1%	R.Andoga/T. McClung	CLOSE once p.o. has been paid/closed - REBUDGETED FOR CONSTRUCTION IN 2024. Per 2018 proposed Capital Budget, \$300k surplus being returned to gas tax reserve.
2015	4031518360	Bridge 360 - Blackheath Rd, 360m n/o Haldibrook	150,000	30,802	20,253	98,945	34.0%	R.Andoga/T. McClung	Ongoing multi-year project. Design ongoing and Construction 2019.
2015	4031518403	Bridge 403 - Harrison Rd, 275m s/o Kirk Rd	150,000	41,467	7,301	101,232	32.5%	R.Andoga/T. McClung	CLOSE once p.o. has been paid/closed - REBUDGETED FOR CONSTRUCTION IN 2027.

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2015	4031518405	Bridge 405 - Blackheath Rd, 225m n/o Haldibrook Rd	150,000	34,267	9,128	106,605	28.9%	R.Andoga/T. McClung	Ongoing multi-year project. Design ongoing and Construction 2019.
2015	4031518409	Bridge 409 - Regional Rd 97	150,000	22,401	3,826	123,773	17.5%	R.Andoga/T. McClung	CLOSE once p.o. has been paid/closed - REBUDGETED FOR CONSTRUCTION IN 2024. Per 2018 proposed Capital Budget, \$100k surplus being returned to gas tax reserve.
2015	4031518533	Hwy 8 Culvert (Dundas Hill) - 230 m n/o Springhill Rd	1,000,000	660,207	54,815	284,978	71.5%	M.Oddi	Complete - Close once commitments are paid/cleared. Per the proposed 2018 Capital Budget, \$250k surplus being returned to gas tax reserve.
2015	4031519101*	Road Reconstruction Program - 2015	9,840,000	6,974,908	1,907,052	958,040	90.3%	M.Oddi/P. McNab	Multi-year project. 5 of 6 project awarded. One project is design only in 2017 (Hwy 8 - Bridge over Spencer Creek to Hillcrest). Per the proposed 2018 Capital Budget, \$470k surplus being returned to gas tax reserve.
2015	4031555522	State of the Infrastructure - Asset Management	470,000	400,716	59,028	10,256	97.8%	R.Andoga/A. Jazvac	Complete - Close once commitments are paid/cleared
2015	4041510016	Street Lighting Program - New Lights - 2015	1,200,000	525,032	260,977	413,991	65.5%	G.McGuire	On-going - funding allocated to PW capital construction projects
2015	4041510017	Street Lighting Capital Program - 2015	1,865,000	997,731	212,591	654,678	64.9%	G.McGuire	\$600k being used to WIP fund 2018 roads program.
2015	4241509114*	Cromwell Cres Roads & Sidewalk	300,000	264,937	25,318	9,745	96.8%	M.Oddi	Complete - Close once commitments are paid/cleared
2016	4031610006	Minor Construction - 2016	300,000	243,355	44,036	12,609	95.8%	R.Andoga/P. McNab	Ongoing - work in progress, close after year end 2017
2016	4031611015	Road Resurfacing Program - 2016	4,980,000	4,147,652	308,377	523,971	89.5%	M.Oddi/P. McNab	Multi-year project. 6 of 7 projects awarded. Milborough Line - Carlisle / Kilbride St to Derry Rd being cost shared with Halton. Surplus unknown until completion of all projects.
2016	4031611016	Asset Preservation - Local Roads - 2016	8,500,000	7,639,180	38,643	822,177	90.3%	M.Oddi/P. McNab	Complete - Close once commitments are paid/cleared. Per the proposed 2018 Capital Budget, \$800k surplus being returned to gas tax reserve.
2016	4031611222	New Sidewalk Program - 2016	480,000	387,701	18,920	73,379	84.7%	M.Oddi	Ongoing - work in progress.
2016	4031611225	Geotechnical Investigation Program - 2016	209,000	154,733	48,205	6,062	97.1%	M.Oddi/P. McNab	Complete - Close once commitments are paid/cleared
2016	4031611601	CP Minor Mntce Ward 1	1,705,310	166,385	(6,265)	1,545,190	9.4%	R.Andoga/P. McNab	% spent based on Councillor requests. \$150k of balance earmarked for Haddon - 115 metres north of Sterling to Marion

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2016	4031611602	CP Minor Mntce Ward 2	1,671,310	174,131	23,566	1,473,613	11.8%	R.Andoga/P. McNab	% spent based on Councillor requests
2016	4031611603	CP Minor Mntce Ward 3	1,548,450	573,866	155,816	818,768	47.1%	R.Andoga/P. McNab	% spent based on Councillor requests. \$30k earmarked for speed humps on Fife and \$15k for Victoria Curling Club - Alleyway/Driveway Rehab
2016	4031611604	CP Minor Mntce Ward 4	986,890	97,772	0	889,118	9.9%	R.Andoga/P. McNab	% spent based on Councillor requests
2016	4031611605	CP Minor Mntce Ward 5	1,011,300	704,677	174,529	132,094	86.9%	R.Andoga/P. McNab	% spent based on Councillor requests
2016	4031611606	CP Minor Mntce Ward 6	1,349,160	877,873	125,498	345,789	74.4%	R.Andoga/P. McNab	% spent based on Councillor requests. \$100k earmarked for Pinehurst - Margate to Fennell.
2016	4031611607	CP Minor Mntce Ward 7	1,167,960	345,503	17,996	804,461	31.1%	R.Andoga/P. McNab	% spent based on Councillor requests - \$100k earmarked for Springside - Rymal to Hydro corridor and \$90k for Eleanor - Dulgaren to Eaglewood.
2016	4031611608	CP Minor Mntce Ward 8	1,881,830	435,365	1,302,421	144,044	92.3%	R.Andoga/P. McNab	% spent based on Councillor requests
2016	4031611609	CP Minor Mntce Ward 9	1,351,700	463,039	59,993	828,668	38.7%	R.Andoga/P. McNab	% spent based on Councillor requests. \$340k earmarked for First Rd West - Highland Rd to Isaac Brock and \$70k for Galbraith - Lake to park entrance.
2016	4031611610	CP Minor Mntce Ward 10	1,520,340	243,732	0	1,276,608	16.0%	R.Andoga/P. McNab	% spent based on Councillor requests. \$300k earmarked for Hewitson -DuPont To Barton and \$460k for Barton - Gray to Green.
2016	4031611611	CP Minor Mntce Ward 11	853,960	443,120	146,051	264,789	69.0%	R.Andoga/P. McNab	% spent based on Councillor requests. \$60k earmarked for Springside Dr - hydro corridor to Spalding Drive - road repairs.
2016	4031611612	CP Minor Mntce Ward 12	1,343,660	97,776	0	1,245,884	7.3%	R.Andoga/P. McNab	% spent based on Councillor requests
2016	4031611613	CP Minor Mntce Ward 13	1,455,310	607,300	116,348	731,662	49.7%	R.Andoga/P. McNab	% spent based on Councillor requests. \$70k earmarked for Bond - King to Park & Park - Bond to West Limit - resurfacing and \$40k for Hatt St Maintenance.
2016	4031611614	CP Minor Mntce Ward 14	835,420	272,823	0	562,597	32.7%	R.Andoga/P. McNab	% spent based on Councillor requests
2016	4031611615	CP Minor Mntce Ward 15	899,990	449,858	30,711	419,421	53.4%	R.Andoga/P. McNab	% spent based on Councillor requests. \$40k earmarked for William Street - Closure and \$285k for Waterdown Memorial Park - parking lot.
2016	4031614405	Contaminated Soil & Rock Disposal 2016	637,000	242,241	53,774	340,985	46.5%	R.Andoga/P. McNab	Ongoing - work in progress. % spent is dependant upon contaminated soil/excess rock discovered at time of construction.
2016	4031615820	Traffic Counts Program - 2016	150,000	17,679	75,578	56,743	62.2%	G.McGuire	Ongoing - work in progress
2016	4031617642	Sherman Access Retaining Wall	800,000	902,443	2,421,862	(2,524,305)	415.5%	R.Andoga/T. McClung	Capital improvements under construction, \$3M pre-approved in the 2018 Capital Budget.

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2016	4031618090	Bridge 090 - McMurray	100,000	14,703	13,061	72,236	27.8%	R.Andoga/T. McClung	Ongoing multi-year project. Class ESA study underway, Design in 2018, Construction in 2020
2016	4031618218	OSIM Bridge and Culvert Inspections 2016	220,000	176,645	27,336	16,019	92.7%	R.Andoga/T. McClung	Complete - Close once commitments are paid/cleared
2016	4031618219	Structural Investigations and Reports - 2016	400,000	137,170	252,917	9,913	97.5%	R.Andoga/T. McClung	Ongoing - work in progress
2016	4031618330	Bridge 330-Birch @ Burlington	100,000	51,462	7,535	41,003	59.0%	R.Andoga/T. McClung	CLOSE once p.o. has been paid/closed - REBUDGETED FOR CONSTRUCTION IN 2025. Per 2018 proposed Capital Budget, \$40k surplus being returned to gas tax reserve.
2016	4031618332	Bridge 332 - Birch @ Princess	100,000	35,058	23,655	41,287	58.7%	R.Andoga/T. McClung	CLOSE once p.o. has been paid/closed - REBUDGETED FOR CONSTRUCTION IN 2025. Per 2018 proposed Capital Budget, \$40k surplus being returned to gas tax reserve.
2016	4031618355	Bridge 355 - White Church	1,100,000	297,573	814,776	(12,349)	101.1%	M.Oddi	Ongoing multi-year project. Construction complete by end of November 2017 with surface asphalt in summer of 2018.
2016	4031618385	Bridge 385 - Westover Rd	150,000	17,479	20,893	111,628	25.6%	R.Andoga/T. McClung	Ongoing multi-year project. Design ongoing and Construction 2019.
2016	4031619101	Road Reconstruction Program - 2016	3,510,000	2,197,715	1,338,842	(26,557)	100.8%	M.Oddi/P. McNab	Multi-year project. 3 of 5 projects awarded and 1 cancelled. Mohawk - Upper Ottawa to Upper Kenilworth design only in 2017 and construction proposed in 2018.
2016	4031619102*	Britannia / Oriole / Adair / Glassco	2,750,000	1,598,012	961,344	190,644	93.1%	M.Oddi/P. McNab	Complete - pending final review/audit/payment
2016	4031619669*	Winterberry - LINC to Old Mud	190,000	203,032	0	(13,032)	106.9%	R.Andoga/P. McNab	Complete - pending final audit
2016	4031649555	QA-QC Service Contract - 2016	150,000	87,139	36,946	25,915	82.7%	M.Oddi/P. McNab	Complete - Close once commitments are paid/cleared
2016	4031655522	State of the Infrastructure - Asset Management	600,000	62,248	15,000	522,752	12.9%	R.Andoga/A. Jazvac	Various reporting currently under development including Asset Management Plan for Provincial Compliance. Further budget allocations suspended until these funds have been depleted.
2016	4031655556	Mapping Update - 2016	70,000	6,730	36,300	26,970	61.5%	G.McGuire	Ongoing - work in progress
2016	4041610016	Street Lighting Program - New Lights - 2016	2,000,000	1,081,626	66,248	852,126	57.4%	G.McGuire	On-going - funding allocated to PW capital construction projects
2016	4041610018	Low-Wattage-LED Replace	5,700,000	2,042,705	2,782,270	875,025	84.6%	G.McGuire	Project on-going, ultimate completion targeted for Q4 2019
2016	4241609601*	Mohawk - Up Sherman to Up Gage	680,000	513,811	29,188	137,001	79.9%	M.Oddi	Complete - Close once commitments are paid/cleared
2016	4241609602*	Mohawk - Up Gage to Up Ottawa	880,000	620,417	35,674	223,909	74.6%	M.Oddi	Complete - Close once commitments are paid/cleared

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2017	4031707750	Industrial Zone Air Quality Initiative	640,000	0	0	640,000	0.0%	Rick Andoga	\$640k being used to wip fund the 2018 Roads program and then this project can be closed.
2017	4031710006	Minor Construction - 2017	300,000	68,314	96,319	135,367	54.9%	R.Andoga/P. McNab	Ongoing - work in progress
2017	4031711015	Road Resurfacing Program - 2017	6,510,000	2,958,288	822,939	2,728,773	58.1%	M.Oddi/P. McNab	Multi-year project. 2 of 4 projects completed. Southcote - Calder to Garner is design only with construction proposed in 2020. \$2.3m rural hot mix tender to be done in 2018 after cold-in-place investigations are complete.
2017	4031711016*	Asset Preservation - Local Roads - 2017	11,920,000	4,266,455	7,258,952	394,593	96.7%	M.Oddi/P. McNab	6 of 6 projects ongoing with Redhill North to be completed in 2018. Surplus unknown until completion of all projects.
2017	4031711222	New Sidewalk Program - 2017	490,000	138,420	48,503	303,077	38.1%	R.Andoga/A. Jazvac	Ongoing - work in progress. Construction of Centre Rd sidewalk deferred and to take place in 2018.
2017	4031711225	Geotechnical Investigation Program - 2017	200,000	67,177	142,487	(9,664)	104.8%	M.Oddi/P. McNab	Ongoing - work in progress
2017	4031718218	OSIM Bridge and Culvert Inspections 2017	300,000	97,489	138,910	63,601	78.8%	R.Andoga/T. McClung	Ongoing - work in progress
2017	4031718219	Structural Investigations and Reports - 2017	400,000	56,565	37,081	306,354	23.4%	R.Andoga/T. McClung	Ongoing - work in progress
2017	4031718452	Bridge 452 - Centennial Pkwy, 990m n/o Ridge	100,000	11,586	78,235	10,179	89.8%	R.Andoga/T. McClung	Ongoing multi-year project. Construction 2022.
2017	4031719101	Road Reconstruction Program - 2017	2,371,000	992,788	1,313,534	64,678	97.3%	M.Oddi/P. McNab	Multi-year project. McNeilly Road complete. Sanatorium 2017/2018 construction. Burlington & Industrial - Birch to Gage design only in 2017 with construction proposed in 2020.
2017	4031749555	QA-QC Service Contract - 2017	150,000	17,379	0	132,621	11.6%	M.Oddi	Ongoing - work in progress
2017	4031755019	Lincoln M. Alexander & Red Hill Valley Parkway Lighting Study	130,000	0	0	130,000	0.0%	G.McGuire	Study on-going, anticipated completion Q2 2018
2017	4031755522	State of the Infrastructure - Asset Management	400,000	41,110	0	358,890	10.3%	R.Andoga/A. Jazvac	Various reporting currently under development including Asset Management Plan for Provincial Compliance. Further budget allocations suspended until these funds have been depleted. Per 2018 proposed Capital Budget, \$160k surplus being returned to gas tax reserve.
2017	4031755556	Mapping Update - 2017	70,000	0	0	70,000	0.0%	G.McGuire	Anticipate 100% spent by year end 2018. No future budgets in the roads program until these funds are depleted.

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2017	4041710016	Street Lighting Program - New Lights - 2017	700,000	902	224,777	474,321	32.2%	G.McGuire	On-going - funding allocated to PW capital construction projects
2017	4041710017	Street Lighting Capital Program - 2017	740,000	18,762	172,061	549,177	25.8%	G.McGuire	On-going - funding allocated to PW capital construction projects
2017	4241609216*	Stinson Bike Lanes Repair	200,000	0	0	200,000	0.0%	M.Oddi	Complete - pending final review/audit/payment
2017	4241709201*	Area Rating - Ferguson Ave N - Simcoe to Burlington (W2 A/R)	150,000	0	0	150,000	0.0%	R.Andoga/A. Jazvac	Ongoing - work in progress - 2017 funding is for project design, 2018 utility coordination, upon completion of design, project to go to tender for 2019 construction
2017	4241709202*	Area Rating - Stinson - Wentworth to Wellington (W2 A/R)	224,000	245	220,109	3,646	98.4%	M.Oddi	Complete - pending final review/audit/payment
2017	4241709203*	Area Rating - James - Duke to Bridge (W2 A/R)	150,000	0	0	150,000	0.0%	R.Andoga/A. Jazvac	Ongoing - work in progress - 2017 funding is for project design, project to go to tender for 2018 construction
2017	4241709501*	Area Rating - Kentley Dr / Crawford Dr / Hart Pl (W5 A/R)	300,000	97,580	161,351	41,069	86.3%	M.Oddi	Complete - pending final review/audit/payment
2017	4241709502*	Area Rating - Covington - Barton to Cascade (New Sidewalk) (W5 A/R)	120,000	69	117,555	2,376	98.0%	M.Oddi	Complete - pending final review/audit/payment
2017	4241709505*	Road Work Mount Albion	800,000	0	772,214	27,786	96.5%	M.Oddi	Construction ongoing
2017	4241709601*	Area Rating - Upper Ottawa - Reno to Mountain Brow (W6 A/R)	1,850,000	404,354	1,311,544	134,102	92.8%	M.Oddi	Construction ongoing
2017	4241709602*	Area Rating - Fennell - Upper Gage to Upper Ottawa (W6 A/R)	800,000	155,230	504,440	140,330	82.5%	M.Oddi	Complete - pending final review/audit/payment
2017	4241709603*	Area Rating - Fern / Doreen / Tilbury / Filer / Cecilia (W6 A/R)	300,000	62,092	201,776	36,132	88.0%	M.Oddi	Complete - pending final review/audit/payment

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2017	4241709801*	Area Rating - Cranbrook Dr / Gardiner Dr / Courtland Ave (W8 A/R)	920,000	917,563	1,693	744	99.9%	M.Oddi	Complete - pending final review/audit/payment
2017	4241709802*	Area Rating - San Francisco / San Pedro / Goulding (W8 A/R)	1,300,000	97,598	1,181,563	20,839	98.4%	M.Oddi	Construction ongoing
2017	4241709803*	Area Rating - Upper Horning (north of LINC) / Appleford / Millstream (W8 A/R)	400,000	168,641	146,082	85,277	78.7%	M.Oddi	Complete - pending final review/audit/payment
2017	4241709804*	Area Rating - Upper Horning (south of LINC) / Adis Ave (W8 A/R)	1,080,000	509,460	438,247	132,293	87.8%	M.Oddi	Complete - pending final review/audit/payment
2017	4241709805*	Area Rating - Courtland / Regent / Dydzak / Skyview (W8 A/R)	650,000	611,028	1,693	37,279	94.3%	M.Oddi	Complete - pending final review/audit/payment
Total Roads - Engineering Services			161,532,090	94,971,844	35,549,784	31,010,462	80.8%		

Roads - Operations & Maintenance

2013	4031321350	Fleet Additions - Roads O&M	300,000	146,280	112,150	41,570	86.1%	B.Paul	Anticipate 100% spent Q4 2017.
2014	4031441460	Salt/Sand Storage Rehab	400,000	305,526	4,210	90,264	77.4%	B.Hughes	Anticipate 100% spent Q4 2017
2015	4031517241	Fencing/Sound Barrier Rehab/Replace within Road Allowance - 2015	200,000	80,454	8,300	111,246	44.4%	B.Hughes	Anticipate 100% spent Q4 2017
2015	4031517522	Shaver Road Yard Drainage Rehabilitation	290,000	250,847	30,110	9,043	96.9%	B.Hughes	Work complete
2015	4031541910	Snow Disposal Facility	2,085,000	127,809	294,662	1,662,529	20.3%	B.Hughes	Works at Upper Ottawa facility to be completed Q4 2017. North end land acquisition with Portfolio Mgmt. Group
2015	4041511351	Roads - Alleyway Rehabilitation - 2015	441,000	1,288	12,130	427,582	3.0%	B.Hughes	\$300K being used to WIP fund 2018 roads program and remaining \$100k being used to WIP fund 2018 alleyway program.

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2016	4031610012	Railway Roadway Crossings Rehab Program - 2016	150,000	47,424	0	102,576	31.6%	B.Hughes	Rail Authority has not scheduled work, non-compliance issue now reported to Transport Canada.
2016	4031611223	Semi Barrier Rehabilitation Program - 2016	200,000	171,662	0	28,338	85.8%	B.Hughes	Works in progress. Anticipate 100% spent by Q2 2018
2016	4031611224	Sidewalk Rehabilitation Program - 2016	577,995	214,739	363,256	0	100.0%	B.Hughes	CLOSE AFTER YEAR END 2017 REPORTING
2016	4031617241	Fencing/Sound Barrier Rehab/Replace within Road Allowance - 2016	50,000	5,515	12,428	32,057	35.9%	B.Hughes	Anticipate 100% spent Q4 2017
2016	4031617677	Preventative Maintenance Program - 2016	2,000,000	1,397,060	602,941	(1)	100.0%	B.Hughes	Complete - Close once commitments are paid/cleared
2016	4031618217	Bridge & Culvert Maintenance - 2016	2,388,000	1,396,373	882,827	108,800	95.4%	B.Hughes	100%Spent/committed Q4 2017
2016	4031641762	Yard Facility Maintenance & Improvement Program - 2016	294,000	146,741	51,449	95,810	67.4%	B.Paul	Anticipate 100% spent/committed Q2 2018
2016	4031651410	Roads Small Equip Purchase - 2016	147,002	99,633	48,431	(1,062)	100.7%	B.Paul	Complete - Close once commitments are paid/cleared
2016	4041610417	Retaining Wall Rehabilitation - 2016	700,000	526,910	65,260	107,830	84.6%	B.Hughes	Anticipate 100% spent Q4 2017
2016	4041617384	Guide Rail Replacement Program - 2016	400,000	260,113	0	139,887	65.0%	B.Hughes	Anticipate 100%spent Q4 2017
2017	4031710005	Major Road Maintenance Program - 2017	1,000,000	121,899	874,689	3,412	99.7%	B.Hughes	Anticipate 100% spent Q2 2018
2017	4031710012	Railway Roadway Crossings Rehab Program - 2017	150,000	4,727	0	145,273	3.2%	B.Hughes	Works subject to Rail Authority Programming
2017	4031710715	Railway Crossings - Review and Upgrades	563,000	0	0	563,000	0.0%	B.Hughes	RFP with procurement; studies complete Q3, 2018.

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2017	4031711223	Semi Barrier Rehabilitation Program - 2017	200,000	200,000	0	0	100.0%	B.Hughes	CLOSE AFTER YEAR END 2017 REPORTING
2017	4031711224	Sidewalk Rehabilitation Program - 2017	700,000	66,018	527,655	106,327	84.8%	B.Hughes	Anticipate 100% spent Q2 2018
2017	4031717241	Fencing/Sound Barrier Rehab/Replace within Road Allowance - 2017	150,000	2,646	8,300	139,054	7.3%	B.Hughes	2017 Works in progress; work in Q2, 2018
2017	4031717677	Preventative Maintenance 2017	2,700,000	1,377,687	935,924	386,389	85.7%	B.Hughes	Anticipate 100% spent Q3 2018
2017	4031718217	Bridge & Culvert Maintenance - 2017	2,000,000	231,298	1,121,977	646,725	67.7%	B.Hughes	Anticipate 100% spent Q2 2018
2017	4031721350	Fleet Additions - Roads O&M	200,000	5,617	0	194,383	2.8%	B.Hughes	Anticipate 100% spent/committed Q2 2018
2017	4031741760	Chedoke Yard Salt Dome	91,000	5,088	4,400	81,512	10.4%	B.Hughes	Works tendered. Anticipate 100% spent Q4 2017.
2017	4031741762	Yard Facility Maintenance & Improvement Program - 2017	150,000	16,467	9,800	123,733	17.5%	B.Hughes	Anticipate 100% spent/committed Q2 2018
2017	4031751410	Roads Small Equip Purchase - 2017	50,000	29,648	20,864	(512)	101.0%	B.Hughes	Complete - Close once commitments are paid/cleared
2017	4041710004	Escarpment Slope Stabilization Program - 2017	694,000	572,198	64,504	57,298	91.7%	B.Hughes	2017 Works in progress.
2017	4041710417	Retaining Wall Rehabilitation - 2017	700,000	155,909	386,740	157,351	77.5%	B.Hughes	100%Spent/committed Q4 2017
2017	4041714001	Claremont Access Stabilization	1,100,000	1,119,362	0	(19,362)	101.8%	B.Hughes	Works complete.
2017	4041717384	Guide Rail Replacement Program - 2017	400,000	4,274	0	395,726	1.1%	B.Hughes	Anticipate 100%spent Q4 2017
2017	4041757722	Road Operations - GPS/AVL Service	420,000	237,800	74,335	107,865	74.3%	B.Hughes	Anticipate 100% spent Q2 2018
2017	4041757723	HANSEN/INFOR Mobile Application	240,000	23,873	0	216,127	9.9%	B.Hughes	Pilot project undertaken. Implementation underway.
2017	4241709504*	2017 Mountable Curbs	200,000	71,400	100,000	28,600	85.7%	B.Hughes	Anticipate 100% spent/committed Q4 2017

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Total Roads - O&M 22,330,997 9,424,285 6,617,342 6,289,370 71.8%

Roads - Traffic Operations

2013	4241309302*	Ward 3 Speed Humps	75,000	13,539	0	61,461	18.1%	M.White/K. Wyskiel	Working with Ward 3 Councillor on location for speed humps
2014	4031420425	HWDSB - Upper Wentworth & Fieldway	250,000	412,801	0	(162,801)	165.1%	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	4041416102	Traffic Calming - Various	370,000	307,484	0	62,516	83.1%	M.White/K. Wyskiel	Funds will be spent by year end 2017.
2014	4041417125	Cannon Bi-Directional Cycle Track	867,200	528,832	0	338,368	61.0%	M.White/K. Wyskiel	3 year pilot program on-going. Report on "pilot" in Q4 2017.
2014	4041420017	Traffic Signal LED Upgrades - 2014	1,200,000	866,644	209,025	124,331	89.6%	M.White/K. Wyskiel	\$100k being used to WIP fund 2018 roads program.
2014	4041457411	Video Detection and Intelligent Transportation System	1,200,000	654,154	40,200	505,646	57.9%	M.White/K. Wyskiel	Further rollout of the Traffic Management Centre and the upgrading of the traffic infrastructure program will see the utilization of the funds.
2014	4241409106*	W1 Calming Strip & Speed Bumps etc.	200,000	52,833	0	147,167	26.4%	M.White/K. Wyskiel	Working with Ward 1 Councillor project is underway.
2014	4241409108*	W1 Bike Lanes - Longwood Rd N	50,000	1,285	0	48,715	2.6%	M.White/K. Wyskiel	Project is planned for 2017 implementation
2014	4241409113*	W1 Bike Racks	25,000	18,720	0	6,280	74.9%	M.White/K. Wyskiel	Racks to be installed in approximately 25 locations in Ward 1 by Q3-2017.
2014	4241409115*	Improvements to Emerson	60,000	2,910	0	57,090	4.9%	M.White/K. Wyskiel	Design in 2018
2015	4041514009	New Traffic Signal-Mall Rd (395 Mohawk Rd E)	160,000	0	0	160,000	0.0%	M.White/K. Wyskiel	Design work is complete. Work will be commencing by construction services.
2015	4041514011	New Traffic Signal-Parkside and Hollybush	500,000	4,680	95,000	400,320	19.9%	M.White/K. Wyskiel	Waiting for construction to begin before we do our signals.
2015	4041514012	New Traffic Signal - Fifty & South Service Rd (Walmart)	500,000	57,812	0	442,188	11.6%	M.White/K. Wyskiel	Project will begin 3rd Quarter 2017
2015	4041514015	RR 56 Urbanization - Traffic Signals	780,000	368,325	46,470	365,205	53.2%	M.White/K. Wyskiel	Work is ongoing at these locations.
2015	4041515019	Traffic Controller Replacement - 2015	600,000	104,576	0	495,424	17.4%	M.White/K. Wyskiel	\$400k being used to fund the 2018 program and then this project can be closed.

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2015	4041520525	IPS - Intersection Pedestrian Signal - 2015	700,000	173,268	0	526,732	24.8%	M.White/K. Wyskiel	Due to construction delays Main & Parkside not completed yet
2015	4041520540	Traffic Signal Modernization Coordinated with ESI - 2015	1,150,000	627,496	0	522,504	54.6%	M.White/K. Wyskiel	Work ongoing as construction projects are commenced
2015	4241509209*	Durand Traffic Calming	60,000	0	0	60,000	0.0%	M.White/K. Wyskiel	Waiting to resolve maintenance strategy prior to completion.
2016	4041617124	On Street Bike Facilities - 2016	300,000	261,704	24,281	14,015	95.3%	M.White/K. Wyskiel	Funds to be fully spent by year end 2017
2016	4241609106*	Westdale Streets Master Plan	150,000	0	0	150,000	0.0%	M.White/K. Wyskiel	Analysis is underway to determine areas to cover.
2016	4241609107*	Ainslie Wood St Master Plan	150,000	0	0	150,000	0.0%	M.White/K. Wyskiel	Working with Councillor
2016	4241609211*	No Right Turns on Red Barton	500	0	0	500	0.0%	M.White/K. Wyskiel	Working with Ward 2 Councillor
2016	4241609212*	Ladder Crossing James St	25,000	5,768	0	19,232	23.1%	M.White/K. Wyskiel	Complete. Costing to be processed and then project can closed.
2016	4241609213*	James St Pedestrian Crossover	50,000	0	0	50,000	0.0%	M.White/K. Wyskiel	Installation 2017
2016	4241609214*	Ladder Crossing Cannon	1,000	0	0	1,000	0.0%	M.White/K. Wyskiel	Working with Ward 2 Councillor
2016	4241609217*	Pedestrian Crossover Charlton	5,000	0	0	5,000	0.0%	M.White/K. Wyskiel	Working with Ward 2 Councillor
2016	4241609218*	Main 3 Phase Traffic Signal	200,000	0	0	200,000	0.0%	M.White/K. Wyskiel	Working with Ward 2 Councillor
2016	4241609219*	Pedestrian Crossover Hunter	5,000	0	0	5,000	0.0%	M.White/K. Wyskiel	Hunter @ Park - installation 2017
2016	4241609220*	Pedestrian Crossover Herkimer	5,000	0	0	5,000	0.0%	M.White/K. Wyskiel	Herkimer @ Hess - installation 2017
2016	4241609221*	James Left Hand Turn Sign	5,000	0	0	5,000	0.0%	M.White/K. Wyskiel	Working with Ward 2 Councillor
2016	4241609222*	Pedestrian Crossover Augusta	5,000	0	0	5,000	0.0%	M.White/K. Wyskiel	Augusta @ Walnut - installation 2017 (includes narrowing)
2016	4241609223*	Picton Hughson Intersection	10,000	0	0	10,000	0.0%	M.White/K. Wyskiel	New AWS and ladders but pavement in poor condition to add ladders; installed standard crosswalks instead.
2016	4241609224*	Barton MacNab Intersection	4,000	-	0	4,000	0.0%	M.White/K. Wyskiel	new ladder crosswalks to be installed Q4 2017

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2016	4241609225*	Forest 3 Phase Traffic Signal	250,000	0	0	250,000	0.0%	M.White/K. Wyskiel	Working with Ward 2 Councillor
2016	4241609226*	Stinson Wellgtn Intersection	5,000	0	0	5,000	0.0%	M.White/K. Wyskiel	New PXO type B, and narrowings on both sides of street, installation to be completed by Q4 2017
2016	4241609804*	Ward 8 Dynamic Speed Signs	15,000	0	0	15,000	0.0%	M.White/K. Wyskiel	Work completed. Costing not journaled yet.
2016	4661617725*	Claremont Access Bike Lanes	200,000	2,773	146,940	50,287	74.9%	M.White/K. Wyskiel	Reporting to Council in February 2018
2016	4661620001	ATMS - Advanced Traffic Management System - 2016	1,847,000	1,552,113	269,885	25,002	98.6%	M.White/K. Wyskiel	Funds to be fully spent by year end 2017
2016	4661620008	New Traffic Signal Installation Program - 2016	2,380,000	377,123	82,418	1,920,459	19.3%	M.White/K. Wyskiel	2016 work to be completed Q4 2017
2016	4661620017	Traffic Signal LED Upgrades - 2016	400,000	73,849	0	326,151	18.5%	M.White/K. Wyskiel	2016 program complete
2016	4661620019	Traffic Controller Replacement - 2016	600,000	0	0	600,000	0.0%	M.White/K. Wyskiel	2016 work will be underway upon receipt of new controllers.
2016	4661620053	New Signal - Rymal @ Second	150,000	0	0	150,000	0.0%	M.White/K. Wyskiel	Temporary signal installed. This is to fund permanent signal once road widening is completed.
2016	4661620522	Traffic Engineering - Signal Design - 2016	300,000	261,514	18,086	20,400	93.2%	M.White/K. Wyskiel	Complete - Close once commitments are paid/cleared
2016	4661620525	IPS - Intersection Pedestrian Signal - 2016	550,000	144,414	32,146	373,440	32.1%	M.White/K. Wyskiel	Due to construction delays Parkside & Cole not completed yet
2016	4661620531	APS - Accessible Pedestrian Signals - 2016	150,000	78,256	41,754	29,990	80.0%	M.White/K. Wyskiel	Installations underway funds to be spent by Q4 2017
2016	4661620540	Traffic Signal Modernization Coordinated with ESI - 2016	1,230,000	474,986	40,331	714,683	41.9%	M.White/K. Wyskiel	Work ongoing as construction projects are commenced
2016	4661620550	Hwy 6 Signal - Conc 5 & Hwy 6	1,500,000	0	0	1,500,000	0.0%	M.White/K. Wyskiel	Awaiting Ward 15 Councillor direction to proceed
2016	4661620630	Two Way Road Conversion	790,000	214,492	11,814	563,694	28.6%	M.White/K. Wyskiel	Two way conversions progressing as per approved schedule
2017	4661717124	On Street Bike Facilities - 2017	300,000	36,567	5,179	258,254	13.9%	M.White/K. Wyskiel	2017 Program Underway
2017	4661717726	Bike Lanes - Bay Street	600,000	23,352	126,463	450,185	25.0%	M.White/K. Wyskiel	Project to be completed Oct 31, expenses to be charged in October

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2017	4661720001	ATMS - Advanced Traffic Management System - 2017	2,910,000	269,382	170,446	2,470,172	15.1%	M.White/K. Wyskiel	2017 Camera deployment underway
2017	4661720008	New Traffic Signal Installation Program - 2017	750,000	30,950	448,783	270,267	64.0%	M.White/K. Wyskiel	2017 work to be completed Q4 2017
2017	4661720010	Traffic Signal Modernization & Upgrades Program - 2017	800,000	97,358	218,935	483,707	39.5%	M.White/K. Wyskiel	2017 Program Underway
2017	4661720017	Traffic Signal LED Upgrades - 2017	100,000	0	0	100,000	0.0%	M.White/K. Wyskiel	2017 Program Underway
2017	4661720019	Traffic Controller Replacement - 2017	150,000	0	0	150,000	0.0%	M.White/K. Wyskiel	2017 Program Underway
2017	4661720522	Traffic Engineering - Signal Design - 2017	200,000	0	62,145	137,855	31.1%	M.White/K. Wyskiel	2017 Program Underway
2017	4661720525	IPS - Intersection Pedestrian Signal - 2017	250,000	3,323	123,780	122,897	50.8%	M.White/K. Wyskiel	Installations underway funds to be spent by Q4 2017
2017	4661720531	APS - Accessible Pedestrian Signals - 2017	150,000	55,170	0	94,830	36.8%	M.White/K. Wyskiel	Installations underway funds to be spent by Q4 2017
2017	4661720540	Traffic Signal Modernization Coordinated with ESI - 2017	750,000	0	0	750,000	0.0%	M.White/K. Wyskiel	Work ongoing as construction projects are commenced
2017	4661720720	Annual Plastic Pavement Marking Rehabilitation	100,000	0	0	100,000	0.0%	M.White/K. Wyskiel	Work has begun contractor bills not charged yet.
2017	4661720721	Pedestrian Crossovers	300,000	1,195	0	298,805	0.4%	M.White/K. Wyskiel	2017 Program Underway
2017	4661720722	Overhead Sign Structure	100,000	0	100,000	0	100.0%	M.White/K. Wyskiel	Work has been commenced. no charges expensed to date.
2017	4661720723	Wentworth Trail - Intersection Pedestrian Signal - IPS	300,000	0	143,040	156,960	47.7%	M.White/K. Wyskiel	Work on schedule to be complete Q4 2017
2017	4661720725	New Signal Installation - Upper Sherman @ Acadia Street/Dulgaren	200,000	32,322	26,834	140,844	29.6%	M.White/K. Wyskiel	2017 Program Underway

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2017	4661720726	New Traffic Signal - Dundas @ Evans/Skinner	250,000	0	0	250,000	0.0%	M.White/K. Wyskiel	Work not commenced yet awaiting construction.
2017	4661720727	New Traffic Signal - Dundas @ Avonside	250,000	0	0	250,000	0.0%	M.White/K. Wyskiel	Work not commenced yet awaiting construction.
2017	4661720730	New Traffic Signal - Dundurn @ Chatham	375,000	1,363	90,885	282,752	24.6%	M.White/K. Wyskiel	Work not commenced yet awaiting construction.
2017	4661720924	Truck Route Master Plan	200,000	0	0	200,000	0.0%	M.White/K. Wyskiel	Project is underway
Total Roads - Traffic Operations			29,064,700	8,193,333	2,574,840	18,296,527	37.0%		

Roads - Capital & Strategic Planning

2013	4031355310	Ham Transportation MP Update	660,000	596,394	62,476	1,130	99.8%	A.Kirkpatrick	Report going to Council in Q1 2018. Account can be closed once invoices paid.
2014	4031420622	North End Traffic Mgmt Plan	1,300,000	269,621	913,499	116,880	91.0%	A.Kirkpatrick	Detailed design and tendering complete with construction in 2017
2015	4031555215	Highway 403 Ramp Studies	951,440	35,025	38,447	877,968	7.7%	A.Kirkpatrick	Ongoing negotiations regarding Ramp with MTO before achieving final approval to proceed with detailed design and tender.
2015	4041503519	Bike Racks Urban Renewal	79,324	77,882	0	1,442	98.2%	A.Kirkpatrick	Bicycle racks delivered with installation underway. Once completed, the PO can be closed.
2015	4241509108*	Road Work - Aberdeen from Queen	80,000	15,245	0	64,755	19.1%	A.Kirkpatrick	Study initiation following approval of City Wide Transportation Master Plan. Completion could be Q4 2018.
2015	4241509123*	Traffic Ops - Functional Design	50,000	42,182	8,548	(730)	101.5%	A.Kirkpatrick	Report presented to Public Works in 2017. Committee received report with further action pending public engagement.
2016	4031655641	Cordon Count Project	110,000	90,338	6,824	12,838	88.3%	A.Kirkpatrick	Analysis & reporting underway with other municipalities and MTO. Account can be closed once invoices paid.
2016	4031655642	Victoria - 2-way Conversion	360,000	18,742	11,500	329,758	8.4%	A.Kirkpatrick	Track owner confirms Phase 1 conversion (Burlington St. to Ferrie Ave.) should be implemented by April/May 2018. Once Phase 1 conversion in place, Phase 2 preliminary review could be initiated - Ferrie Ave to Barton St.
2016	4031655643	Area Specific TM Plans	634,970	44,710	124,119	466,141	26.6%	A.Kirkpatrick	Ongoing projects for the next 4 years. Account remains active.
2016	4031655926	T.M.P. Performance Measurement	263,095	0	0	263,095	0.0%	A.Kirkpatrick	Ongoing - work in progress with City-wide Transportation Master Plan
2016	4031655940	Transportation Tomorrow Survey - 2016	259,370	65,235	41,084	153,051	41.0%	A.Kirkpatrick	Analysis and reporting underway. Account remains active. Account to be closed once invoices paid.
2016	4041655601	Everyone Rides Initiative Pilot	524,945	362,547	136,699	25,699	95.1%	A.Kirkpatrick	Three-year project underway

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2016	4241609281*	Queen Street South Conversion	150,000	0	0	150,000	0.0%	Al Kirkpatrick	Report presented to PW Committee in June 2017. Further consideration by Committee pending.
2017	4031718126	Centennial Bridge over the QEW - multi-use path	150,000	0	0	150,000	0.0%	A.Kirkpatrick	Negotiations completed. MTO has started construction.
2017	4031720722	North End Traffic Management Plan (NETMP) Study	200,000	0	136,165	63,835	68.1%	A.Kirkpatrick	Commence construction of three locations in 2017 with remainder in 2018
2017	4031755622	Active Transportation Benchmarking - 2017	30,000	24,491	0	5,509	81.6%	A.Kirkpatrick	2017 program will be completed by year end. Account can be closed once invoices paid.
2017	4031755820	Transportation Demand Management & Smart Commute - 2017	437,500	176,849	140,594	120,057	72.6%	A.Kirkpatrick	Funds for Transportation Demand Management works in 2017. Funds for 2018 will be added to this project id.
2017	4031755940	Transportation Tomorrow Survey - 2017	40,000	0	0	40,000	0.0%	A.Kirkpatrick	Account remains active.
2017	4031780180	Mohawk - Wilson to Hwy 403	150,000	0	0	150,000	0.0%	A.Kirkpatrick	Transportation EA to be initiated
Total - Capital & Strategic Planning			6,430,644	1,819,261	1,619,955	2,991,428	53.5%		
Total Public Works - Tax Supported			890,645,882	502,459,953	175,596,430	212,589,499	76.1%		

City of Hamilton Capital Projects Status Report - Public Works Rate Supported Projects
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			a	b	c	d	e		

CAPITAL DELIVERY SECTION

Water Rates

2006	5140667650	Carlise Communal Well Upgrade	4,840,000	4,690,929	23,657	125,414	97.4%	S.Leitch	STATUS: Work Completed (Carlise Tower Refurbishment). NEXT STEPS: Completion Q4 2017.
2009	5140967950	ISF-672-Ferguson Pumping Station Upgrade	22,730,000	22,972,241	34,552	(276,793)	101.2%	S.Leitch	STATUS: Substantially Performed. Work in Progress - Investigation of the vertical turbine pump issues. NEXT STEPS: Completion Q4 2017. Negative balance due to unanticipated tax changes and internal staffing allocation.
2009	5140967951	ISF-714-Hillcrest Reservoir	13,400,000	12,734,081	85,000	580,919	95.7%	S.Leitch	STATUS: Work Completed (Hillcrest Reservoir Phase 2, Royal Botanical Gardens Annual Reporting on Butternut Trees). NEXT STEPS: Account to be closed once final invoices are paid and outstanding purchase orders have been closed Q4 2017.
2010	5141061303	Valve Chamber No 3 First-Isaac	2,790,000	2,355,661	555,609	(121,270)	104.3%	S.Leitch	STATUS: Substantially Performed. NEXT STEPS: Account to be closed once maintenance and warranty period expires Q2 2018. Negative balance due to internal staffing allocation.
2011	5141166110	WTP - Process Upgrades	8,150,000	1,873,765	1,185,101	5,091,134	37.5%	S.Leitch	STATUS: Work in Progress - Design of Woodward WTP Upgrades (Phase 1). NEXT STEPS: Request for Prequalified Contractors Q4 2017.
2012	5141267270	Water Control Valve Upgrades	4,060,000	288,438	408,632	3,362,930	17.2%	S.Leitch	STATUS: Work in Progress - Design (Evaluating Tender Bids from 4 Prequalified Contractors). NEXT STEPS: Award Tender for Construction Q4 2017.
2012	5141267271	Pumping Station HD018 Hwy 53 & HD011 Osler	740,000	635,697	72,898	31,405	95.8%	S.Leitch	STATUS: Substantially Performed (Osler HD011 Immediate Needs). NEXT STEPS: Account to be closed once maintenance and warranty period expires Q3 2018.
2012	5141267272	Hillcrest Reservoir - HDR02	12,200,000	10,496,144	1,420,597	283,259	97.7%	S.Leitch	STATUS: Substantially Performed. NEXT STEPS: Account to be closed once maintenance and warranty period expires Q3 2018.
2012	5141267274	Kenilworth Pumping Station - HD005 Upgrades	3,025,000	460,317	157,118	2,407,565	20.4%	S.Leitch	STATUS: Work in Progress - Design (4 Contractors Pre-Qualified for Construction). NEXT STEPS: Tender for Construction Q4 2017.
2012	5141267275	SC Water Outstations Upgrade	3,890,000	3,688,696	269,643	(68,339)	101.8%	S.Leitch	STATUS: Work Completed (Greenhill Reservoir). Work in Progress - Substantially Performed (Stoney Creek Outstations). NEXT STEPS: Issue Project Charter Q1 2017 (Ben Nevis Dewitt Reservoir Phase 2 - West Cell Upgrades).
2012	5141269250	HVAC Upgrade New Lab & Admin	5,400,000	902,873	156,749	4,340,378	19.6%	S.Leitch	STATUS: Work in Progress - Design. NEXT STEPS: Tender for Construction Q4 2017.

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2013	5141395353	Ferguson HD002 Pumping Strn	2,270,000	169,924	93,140	2,006,936	11.6%	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) Q4 2017.
2015	5141567520	HDR05 Reservoir Upgrades	4,192,000	181,009	416,126	3,594,865	14.2%	S.Leitch	STATUS: Work in Progress - Design. NEXT STEPS: Request for Prequalified Contractors Q4 2018.
2015	5141567525	HDR08 Reservoir Decommission	520,000	184,491	216,169	119,340	77.1%	S.Leitch	STATUS: Substantially Performed. NEXT STEPS: Account to be closed once maintenance and warranty period expires Q3 2018.
2015	5141567574	HDR01 Reservoir Upgrades	550,000	7,533	0	542,467	1.4%	S.Leitch	NEXT STEPS: Issue Project Charter Q4 2017.
2015	5141567575	High Lift Pumping Station Upgrades Phase 2	880,000	187,276	172,274	520,450	40.9%	S.Leitch	STATUS: Work in Progress - Field Study (HLPS Power Distribution & Protection Setup). NEXT STEPS: Tender for Construction - Power Distribution (Recommissioning) Q2 2018.
2015	5141567576	Low Lift Pumping Station Upgrades Phase 2	470,000	141,516	41,633	286,851	39.0%	S.Leitch	STATUS: Substantially Performed. NEXT STEPS: Account to be closed once maintenance and warranty period expires Q3 2017.
2015	5141567577	Security - Water Pumping Station Facilities	5,600,000	144,219	239,620	5,216,161	6.9%	S.Leitch	STATUS: Work in Progress - Design (Physical Security - Fencing). NEXT STEPS: Request for Prequalified Contractors for Construction (Physical Security - Fencing) Q1 2018.
2016	5141666110	WTP - Corrosion Control	7,660,000	531,264	6,490,378	638,358	91.7%	S.Leitch	STATUS: Work in Progress - Construction. NEXT STEPS: Substantial Performance Q4 2018.
2016	5141666515	WTP - Surge Tower Upgrades	480,000	46,037	14,350	419,613	12.6%	S.Leitch	STATUS: Substantially Performed. NEXT STEPS: Account to be closed once final invoices are paid and outstanding purchase orders have been closed Q4 2017.
2016	5141666608	Lynden Additional Water Supply	3,250,000	6,167	834,541	2,409,292	25.9%	S.Leitch	STATUS: Work in Progress - Design. NEXT STEPS: Request for Prequalified Contractors for Construction Q4 2017.
2016	5141667420	Ben Nevis & Dewitt HD08A WPumping Station	1,710,000	41,436	519,347	1,149,217	32.8%	S.Leitch	STATUS: Work in Progress - Design. NEXT STEPS: Request for Prequalified Contractors for Construction Q4 2017.
2016	5141667421	Glancaster & Hwy 53 HD018 WPumping Station	6,040,000	5,107	0	6,034,893	0.1%	S.Leitch	STATUS: Awaiting completion of the PD18 Ancaster Tower EA and Land Purchase. NEXT STEPS: Issue Project Charter Q1 2019.
2016	5141667422	Osler Road HD011 WPumping Station	2,040,000	70,523	483,552	1,485,925	27.2%	S.Leitch	STATUS: Work in Progress - Design. NEXT STEPS: Request for Prequalified Contractors for Construction Q4 2017.
2016	5141667424	Freeiton Tower HDT03 Upgrades	3,600,000	85,993	370,074	3,143,933	12.7%	S.Leitch	STATUS: Work in Progress - Design. NEXT STEPS: Request for Prequalified Contractors for Construction Q4 2017.
2016	5141695883	York & Valley HD016 WPumping Station (W-26)	3,710,000	21,435	0	3,688,565	0.6%	S.Leitch	STATUS: Work Completed - Conceptual Review. NEXT STEPS: Request for Proposals for Design Q1 2018.

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			a	b	c	d	e		
2017	5141766150	Granular Activated Carbon Replacement	550,000	0	0	550,000	0.0%	S.Leitch	STATUS: Scope incorporated into Water Treatment Plant Process Upgrades Construction Contract. NEXT STEPS: Account to be closed after WIP Fund 2018 Water Treatment Plant Process Upgrades \$550k through 2018 Budget Cycle.
2017	5141766421	WTP Fluoride Building HVAC	390,000	0	0	390,000	0.0%	S.Leitch	STATUS: Work in Progress - Developing Roster Invitation for Design. NEXT STEPS: Design Q4 2017.
2017	5141767420	Carlisle Well Stn Sys Enhance	440,000	0	0	440,000	0.0%	S.Leitch	STATUS: Work in Progress - Scope Verification. NEXT STEPS: Request for Proposals for Design Q1 2018.
2017	5141767650	New Greensville Communal Well	390,000	17,621	69,675	302,704	22.4%	S.Leitch	STATUS: Awaiting completion of Schedule C EA for the Greensville New Well. NEXT STEPS: Issue Project Charter Q3 2018.
2017	5141795850	Greenhill Pumping Station HD04B & HD05A	720,000	33,184	116,725	570,091	20.8%	S.Leitch	STATUS: Work in Progress - Design (Immediate Needs). NEXT STEPS: Request for Prequalified Contractors for Construction (Immediate Needs) Q4 2017.
Sub-Total Capital Delivery - Water			126,687,000	62,973,577	14,447,160	49,266,263	61.1%		

Wastewater - Rates

2007	5160795760	Southcote Pumping Station&Forcemain-HC008	6,312,100	2,911,974	241,448	3,158,678	50.0%	S.Leitch	STATUS: Work Completed (Forcemain). Substantially Performed (Pumping Station). NEXT STEPS: Account to be closed once maintenance and warranty period expires (Pumping Station) Q4 2017.
2007	5160795784	Twenty Pumping Station & Forcemain - HC018	4,770,000	4,589,737	406,079	(225,816)	104.7%	S.Leitch	STATUS: Work Completed (Forcemain). Substantially Performed (Pumping Station). NEXT STEP: Account to be closed once outstanding deficiencies are completed (Pumping Station) Q4 2017. Negative balance due to staffing allocation.
2009	5160966912	Decomision Waterdown WWTP-WW08	6,000,000	611,396	102,908	5,285,696	11.9%	S.Leitch	STATUS: Work in Progress - Design. 8 Contractors Prequalified for Construction. NEXT STEPS: Tender for Construction Q1 2018.
2010	5161066065	Waste Hauler Receiving Station	2,540,000	447,773	174,308	1,917,919	24.5%	S.Leitch	STATUS: Work in Progress - Design. 5 Contractors Prequalified for Construction. NEXT STEPS: Tender for Construction Q4 2017.
2010	5161067751	WW Outstns-Asset Management	710,000	702,276	208,527	(200,803)	128.3%	S.Leitch	STATUS: Substantially Performed (HC019 & HC031 Carbon Filters). NEXT STEPS: Account to be closed once maintenance and warranty period expires Q4 2017, anticipate a project surplus upon completion which will reconcile overrun.
2012	5161261240	WSI-Leeds-Burl E Gate Removal	300,000	263,098	45,733	(8,831)	102.9%	S.Leitch	STATUS: Work Completed - Design. NEXT STEPS: City's Linear (Roads) Infrastructure improvements program to coordinate Construction in 2022.
2012	5161266213	Dundas WWTP Improvements	3,070,000	374,140	9,223	2,686,637	12.5%	S.Leitch	STATUS: Work Completed - Feasibility Study to extend the Dundas wastewater treatment plant outfall & Preliminary Asset Replacement Study for Future Use of the Dundas WWTP. NEXT STEPS: Request for Proposals for Design Q1 2019.

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2012	5161267270	Ancaster WW Outstations	6,310,000	1,303,238	2,766,298	2,240,464	64.5%	S.Leitch	STATUS: Work in Progress - Construction (HC009, HC013) & Design (HC005). NEXT STEPS: Substantial Performance Q1 2018 (HC009, HC013) & Request for Prequalified Contractors for Construction Q1 2018 (HC005).
2012	5161267273	Dundas WW Outstations	2,450,000	789,031	391,085	1,269,884	48.2%	S.Leitch	STATUS: Work in Progress - Construction (DC005, DC006). NEXT STEPS: Substantial Performance Q4 2017 (DC005, DC006). Request for Proposals for Design (DC010) Q1 2018.
2013	5161367360	Cormorant & Osprey (HC014)	4,610,000	2,746,384	1,433,826	429,790	90.7%	S.Leitch	STATUS: Work in Progress - Construction. NEXT STEPS: Substantial Performance Q1 2018.
2013	5161367374	Waterdown Outstation Upgrades	3,420,000	3,129,153	181,403	109,444	96.8%	S.Leitch	STATUS: Substantially Performed (DC013, FC003). NEXT STEPS: Account to be closed once maintenance and warranty period expires Q2 2018.
2015	5161595858	Binbrook Pumping Station Upgrade (WW-20)	2,640,000	440,662	460,075	1,739,263	34.1%	S.Leitch	STATUS: Work in Progress - Design (Interim Capacity Upgrades). NEXT STEPS: Prepurchase of Equipment & Request for Prequalified Contractors Q4 2017.
2016	5161667622	FC001 DC009 HC011 Upgrades	740,000	12,025	146,680	581,295	21.4%	S.Leitch	STATUS: Work in Progress - Design (FC001, DC009). NEXT STEPS: Request for Prequalified Contractors for Construction Q4 2017. Issue Project Charter Q1 2018 (HC011).
2017	5161766421	WWTP Methane Sphere Upgrades	4,400,000	77,007	129,000	4,193,993	4.7%	S.Leitch	STATUS: Work in Progress - Construction. NEXT STEPS: Substantial Performance Q1 2018.
2017	5161767420	Parkdale Av HC001 WW Statn Upg	550,000	0	0	550,000	0.0%	S.Leitch	STATUS: Scope Verification. NEXT STEPS: Issue Project Charter Q4 2017.
2017	5161796786	First Street Pumping Station Upgrade DC014	1,520,000	0	0	1,520,000	0.0%	S.Leitch	STATUS: Work in Progress - Scope Verification. NEXT STEPS: Request for Proposals for Design Q4 2017.
Sub-Total Capital Delivery - Wastewater			50,342,100	18,397,894	6,696,593	25,247,613	49.8%		
TOTAL CAPITAL DELIVERY SECTION			177,029,100	81,371,471	21,143,753	74,513,876	57.9%		

INFRASTRUCTURE PLANNING & SYSTEMS DESIGN

Water - Rates

2009	5140995956	Water Distribution Model	500,000	101,476	22,925	375,599	24.9%	U.Ehrenberg	STATUS: Work in Progress - WaterCad Model Review and Identification of Data Gaps. NEXT STEPS: Completion Q4 2017. WIP Fund Water Distribution Model 2018 capital account \$350k through 2018 Budget Cycle.
2013	5141395354	PD18 Elevated Reservoir W14	2,550,000	196,200	21,484	2,332,316	8.5%	U.Ehrenberg	STATUS: Work in Progress - Class EA and Conceptual Design, Terrestrial and Avian Assessments. NEXT STEPS: Alternative Location needs to be identified due to Airport restrictions. Land Purchase is in the Critical Path, Completion of EA is Q4 2018.

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2014	5141495551	PD7 Elevated Reservoir W-23	1,440,000	29,246	114,823	1,295,931	10.0%	U.Ehrenberg	STATUS: Work in Progress - EA & Conceptual Design of PD7 Elevated Tower / Reservoir & New Pumping Station. NEXT STEPS: EA Completion Q4 2018.
2015	5141555010	Water Systems Planning	450,000	149,459	265,079	35,462	92.1%	U.Ehrenberg	STATUS: Work in Progress - Servicing alternatives for Ancaster, Pre-Design for the Twinning of Waterdown Trunk Feedermain, Screening of Development Applications, Pressure District Boundary Condition Characterization. NEXT STEPS: Completion Q4 2018.
2015	5141555264	City-Wide Water MP	550,000	47,395	499,252	3,353	99.4%	U.Ehrenberg	STATUS: Work in Progress - Citywide Water Wastewater Storm Master Plan. NEXT STEPS: Completion Q4 2018.
2015	5141567273	HD17A Pumping Station Replace Decommission	1,650,000	4,047	0	1,645,953	0.2%	U.Ehrenberg	NEXT STEPS: Refining Project Charter for Senior Management Approval Q4 2017.
2015	5141595553	HD12A Pumping Station Upgrades (W-04)	720,000	22,222	85,333	612,445	14.9%	U.Ehrenberg	STATUS: Work in Progress - EA and Land Negotiations with Horizon Utilities Corporation. NEXT STEPS: Completion of EA Q1 2018 with Detailed Design to follow.
2017	5141755010	Water System Planning	300,000	47,237	183,377	69,386	76.9%	U.Ehrenberg	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 Q4 2018.
2017	5141767422	New PD2 Water Pumping Station	500,000	0	0	500,000	0.0%	U.Ehrenberg	STATUS: Work in Progress - Citywide Water Wastewater Stormwater Master Plan will confirm the need for this pumping station. NEXT STEPS: Completion Master Plan Q4 2018. Budget is being reserved for Land Acquisition.
Sub-Total Infrastructure Planning & Systems Design - Water			8,660,000	597,282	1,192,273	6,870,445	20.7%		

Wastewater - Rates

2007	5160755640	Non-trunk Flow Monitoring	500,000	104,478	398,089	(2,567)	100.5%	U.Ehrenberg	STATUS: Work Complete - Design of Wet Weather Control (Keep Open for Contract Administration of Phase 2 Construction). NEXT STEPS: Completion Q4 2020. Negative balance due to unanticipated tax changes.
2008	5160867751	WW Outstns - Asset Management	2,655,000	1,222,200	1,460,941	(28,141)	101.1%	U.Ehrenberg	STATUS: Work Complete - Design of Wet Weather Control (Keep Open for Contract Administration of Phase 2 Construction). NEXT STEPS: Completion Q4 2020. Negative balance due to unanticipated tax changes.
2009	5160955953	Annual-Hydraulic Sewer Model	1,500,000	948,302	0	551,698	63.2%	U.Ehrenberg	STATUS: Work Completed. NEXT STEPS: Account to be closed after WIP Funding Wastewater Computer Model Update & Maintenance \$280k through 2018 Budget Cycle.
2014	5161455010	Water System Planning	600,000	328,911	0	271,089	54.8%	U.Ehrenberg	STATUS: Work Completed. NEXT STEPS: Account to be closed after WIP Funding Wastewater Systems Planning \$220k through 2018 Budget Cycle.
2014	5161455420	SERG - Flooding & Drainage MP	555,000	114,052	343,847	97,101	82.5%	U.Ehrenberg	STATUS: Work in Progress - Flooding and Drainage Master Plan. NEXT STEP: Completion Q3 2018.

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			a	b	c	d	e		
2014	5161455640	Non-Trunk Flow Monitoring	400,000	348,775	0	51,225	87.2%	U.Ehrenberg	STATUS: Work Completed. NEXT STEPS: Account to be closed after WIP Funding Flow Monitoring Program \$50k through 2018 Budget Cycle.
2015	5161555264	City-Wide Wastewater MP	550,000	129,667	417,591	2,742	99.5%	U.Ehrenberg	STATUS: Work in Progress - Citywide Water Wastewater Storm Master Plan. NEXT STEPS: Completion Q4 2018.
2015	5161555640	Non-Trunk Flow Monitoring	440,000	175,134	87,749	177,117	59.7%	U.Ehrenberg	STATUS: Citywide Sanitary Service Flow Monitoring, Rain Gauges Flow Monitoring Services. NEXT STEPS: Completion Q4 2018.
2015	5161555955	Inflow & Infiltration	474,000	222,324	137,614	114,062	75.9%	U.Ehrenberg	STATUS: Work in Progress - HC058 Capacity Analysis and Wet Weather Relief Class EA, West Mountain Flow Monitoring & West 18th, Riverdale East Flooding. NEXT STEPS: Program Development (3P - Protective Plumbing Program) Q4 2017.
2015	5161557545	Wastewater Computer Model	550,000	44,343	223,923	281,734	48.8%	U.Ehrenberg	STATUS: Refinement of the sanitary and combined sewer model files and calibration. NEXT STEPS: Issue Roster for Design Q4 2017 (Storm Sewer Network Hydraulic Model Calibration / Validation - Ancaster Area).
2015	5161567564	HC005 - Schedule C EA	990,000	122,678	154,773	712,549	28.0%	U.Ehrenberg	STATUS: Work in Progress - Emergency Overflow Schedule C Municipal Class EA. NEXT STEPS: EA Completion Q4 2018. Detailed Design to follow.
2016	5161655010	Wastewater Systems Planning	300,000	153,154	87,680	59,166	80.3%	U.Ehrenberg	STATUS: Work in Progress - Scope Confirmation of First Street SPS (DC014), Main/King CSO tank performance review. NEXT STEPS: Completion Q4 2017.
2016	5161655350	Riverdale Flood Relief EA	220,000	4,247	0	215,753	1.9%	U.Ehrenberg	STATUS: Work Completed - Flow Monitoring and Model calibration. NEXT STEPS: Detailed Design Q1 2018.
2016	5161655351	Lawfield & Berrisfield Area	75,000	113,735	0	(38,735)	151.6%	U.Ehrenberg	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	UPumping Stationize Wilson Street Forcemain	50,000	4,875	0	45,125	9.8%	U.Ehrenberg	STATUS: Refining Project Charter for Senior Management Approval. Q1 2018 Issuance.
2016	5161667421	New Haulage Receiving Station	1,140,000	2,082	149,352	988,566	13.3%	U.Ehrenberg	STATUS: Work in Progress - Class EA and Conceptual Design. NEXT STEPS: EA Completion Q4 2018. Detailed Design to follow.
2016	5161695747	Battlefield Trunk Sewer WW-33	1,650,000	124,279	0	1,525,721	7.5%	S.Jacob	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	205,950	53,960	2,490,090	9.5%	U.Ehrenberg	STATUS: Work in Progress - Economic Analysis and Feasibility study to support the Conceptual Design Implementation. NEXT STEPS: Study Completion Q4 2017. Detailed Design by Engineering Services to follow.

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2017	5161755010	Wastewater System Planning	300,000	0	280,926	19,074	93.6%	U.Ehrenberg	STATUS: Work in Progress - Pollution Control Plan, Riverdale East Flooding Investigation, Wastewater system analysis of the LRT intensification corridor, CSO Reporting. NEXT STEPS: Completion Q4 2018.
2017	5161755640	Non-Trunk Flow Monitoring	100,000	0	0	100,000	0.0%	U.Ehrenberg	0
2017	5161755955	Inflow & Infiltration	300,000	0	0	300,000	0.0%	U.Ehrenberg	NEXT STEPS: Construction of I & I Reduction (West 18th Neighbourhood) Q4 2018.
2017	5161757420	SCADA Rain Gauges	50,000	0	0	50,000	0.0%	U.Ehrenberg	NEXT STEPS: Issue Project Charter Q4 2017.
Sub-Total Infrastructure Planning & Systems Design - Wastewater			16,149,000	4,369,186	3,796,445	7,983,369	50.6%		
Storm water - Rates									
2010	5181055060	Greenhill Storm Drainage - EA	120,000	96,644	8,336	15,020	87.5%	U.Ehrenberg	STATUS: Work Completed - Greenhill Avenue Storm Drainage EA. NEXT STEPS: Account to be closed once final invoices are paid and outstanding purchase orders have been closed Q4 2017.
2011	5181155101	Stoney&Battlefield Crk Control	540,000	362,284	12,391	165,325	69.4%	U.Ehrenberg	STATUS: Work in Progress - Stoney Creek and Battlefield Creek Flood & Erosion Control Class Environmental Assessment. NEXT STEPS: EA Completion Q1 2018.
2012	5181260214	Parkside and Kipling Flood	1,330,000	315,185	9,168	1,005,647	24.4%	U.Ehrenberg	STATUS: Work in Progress - Modeling and Flood Protection (Churchill Park Neighbourhood area). Work Completed - Analysis of Low Impact Development Solution. NEXT STEPS: Modeling and Flood Protection Completion Q1 2018.
2012	5181260216	Golf Course SWMP Rosedale	2,570,000	402,748	136,686	2,030,566	21.0%	U.Ehrenberg	STATUS: Work in Progress - Enhanced Functional Design and Topographic Survey. Detailed design of the diversion channel, berm and outlet. NEXT STEPS: Completion of Enhanced Functional Design Q1 2018.
2013	5181355350	SERG Studies & Assessments	740,000	260,411	168,009	311,580	57.9%	U.Ehrenberg	STATUS: Work in Progress - Construction of Low Impact Development Bumpout (Bay and Simcoe), Beach Strip Flooding Study. Operational Support - Flood Study and Conceptual Design for Winona, Lower East End Drainage Analysis. NEXT STEPS: Completion Q2 2018.
2014	5181455420	SERG - Flooding & Drainage MP	645,000	4,345	453,434	187,221	71.0%	U.Ehrenberg	STATUS: Work in Progress - Flooding and Drainage Master Plan. NEXT STEP: Completion Q3 2018.
2015	5181555422	GRIDS II - Stormwater MP	550,000	43,589	499,252	7,159	98.7%	U.Ehrenberg	STATUS: Work in Progress - Citywide Water Wastewater Storm Master Plan. NEXT STEPS: Completion Q4 2018.
2015	5181562590	SWMP Retrofits	440,000	0	0	440,000	0.0%	U.Ehrenberg	NEXT STEPS : Issue Project Charter for the Analysis & Conceptual Design - Stormwater Management Pond Retrofits (Ponds # 67, 9, 54, 52, 35, 14) Q1 2018.

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2016	5181655075	SERG - Watershed Proj Coord	500,000	77,338	64,500	358,162	28.4%	U.Ehrenberg	STATUS: Lower Spencer Creek Subwatershed Study, Future Hamilton Climate Change Pilot Study, Delivery of environmental data collection in the field. NEXT STEPS: Completion Q4 2018.
2016	5181655421	SERG Stormwater System Planning	280,000	82,934	35,621	161,445	42.3%	U.Ehrenberg	STATUS: Work in Progress - Analysis & Conceptual Design of Rymal Road stormwater drainage. NEXT STEPS: Completion Q4 2017.
2017	5181755420	Stormwater Drainage Review	280,000	0	0	280,000	0.0%	U.Ehrenberg	STATUS: Working on Terms of Reference for Detailed Drainage Assessment Study (Phase 2) - Development of Existing Residential (ER) Neighbourhoods in Rural Ancaster. NEXT STEPS: Award in Q4 2017.
2017	5181755421	SERG - SW System Planning	280,000	0	39,002	240,998	13.9%	U.Ehrenberg	STATUS: Wilson Street Stormwater Drainage Plan. NEXT STEPS: Asset Protection Strategy - Mill Street Siphon Q1 2018.

Sub-Total Infrastructure Planning & Systems Design - Storm water

	8,275,000	1,645,478	1,426,399	5,203,123	37.1%
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TOTAL INFRASTRUCTURE PLANNING & SYSTEMS DESIGN SECTION

	33,084,000	6,611,946	6,415,117	20,056,937	39.4%
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SUSTAINABLE INITIATIVES SECTION

Water - Rates

2005	5140566508	Lynden Water Supply - Land&EA	1,790,000	1,806,541	5,210	(21,751)	101.2%	B.Posedowski	STATUS: Final Well has been flow tested with positive quality and quantity results. Hydrogeology report and PIC complete. Work in Progress - Treatment Pilot study. NEXT STEPS: Completion Q4 2017.
2011	5141167150	Greensville New Well - EA	720,000	911,378	46,817	(238,195)	133.1%	B.Posedowski	STATUS: Pumping Test and Hydrogeologic investigation, Greensville Subwatershed Study Report complete. Work in Progress - New Greensville Municipal Well Schedule C EA. NEXT STEPS: Completion of EA Q3 2018.
2015	5141555555	City Wide Groundwater Model	710,000	197,077	78,410	434,513	38.8%	B.Posedowski	STATUS: Work in Progress - City Wide Groundwater Model (Delineation of Greensville & Lynden Wellhead Protection Areas). NEXT STEPS: City Wide Groundwater Model Expansion, Database and Stratigraphic Update, Web Interface Development Q3 2018.
2016	5141655420	Freelton Water Meter Accuracy	110,000	93,078	55,113	(38,191)	134.7%	B.Posedowski	STATUS: Field work and communications to residents concerning home meter replacement complete. Work in Progress - Home Meter Replacements. NEXT STEPS: Completion Q4 2017.
2016	5141667423	Freelton Well FDF01 Capacity	330,000	0	134,365	195,635	40.7%	B.Posedowski	STATUS: Work in Progress - Hydrogeological study for the identification of increased capacity at FDF01 in the Freelton water supply. NEXT STEPS: Completion Q4 2017.

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2017	5141767752	WW Outstation Inspection - AM	550,000	0	247,264	302,736	45.0%	B.Posedowski	STATUS: Work in Progress - Design of Facility Asset Management Program, Condition Assessments (HDR00, HD002 STK, HD12A, Chlorine Building), Access Options for HDR2A Reservoir, Energy Audit of HW facilities (Phase II). NEXT STEPS: Completion Q3 2019.

Sub-Total Sustainable Initiatives - Water **4,210,000 3,008,074 567,179 634,747 84.9%**

Wastewater - Rates

2013	5161367752	WW Outstation Inspection - AM	645,000	56,852	587,469	679	99.9%	B.Posedowski	STATUS: Work in Progress - Design for Facility Asset Management Program. Condition Assessment (HC017 Eastport SPS). NEXT STEPS: Completion Q3 2019.
2014	5161467756	Greenhill & Cochrane HCS01	1,060,000	176,205	0	883,795	16.6%	S.Leitch	STATUS: Work Completed - Life Cycle Analysis. NEXT STEPS: Issue Project Charter Q1 2018.
2017	5161767752	WW Outstn Insp -Asset Mgm Prog	220,000	0	0	220,000	0.0%	B.Posedowski	STATUS: Energy Audit of HW facilities (Phase II). NEXT STEPS: Water and Wastewater Financial Plan Q3 2017.

Sub-Total Sustainable Initiatives - Wastewater **1,925,000 233,057 587,469 1,104,474 42.6%**

TOTAL SUSTAINABLE INITIATIVES SECTION **6,135,000 3,241,131 1,154,648 1,739,221 71.7%**

WOODWARD UPGRADES SECTION

Wastewater - Rates

2008	5160866801*	Woodward WWTP - Clean Harbour	225,012,923	33,387,505	191,625,418	-	100.0%	D.Chauvin	STATUS: GIF Funded, Cash Flow Budget approved by Finance. Work in Progress - Construction (Raw Wastewater Pumping Station, Electrical and Chlorination System). Pre-Purchased Equipment (Tertiary). NEXT STEPS: Tender for Construction (Tertiary Q2 2018).
2009	5160966910	WWTP - Biosolids MP Implement	5,020,000	3,219,371	5,114,807	(3,314,178)	166.0%	D.Chauvin	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.
2013	5161366360	Flares at Biogas Facility	3,280,000	3,103,729	51,273	124,998	96.2%	D.Chauvin	STATUS: Work Completed. NEXT STEPS: Account to be closed once final invoices are paid and outstanding purchase orders have been closed.
2015	5161555545	Capital Works Information Mgmt	280,000	0	0	280,000	0.0%	D.Chauvin	STATUS: Work in Progress - Project Management Office / Business Intelligence Collaborative Project (Phase 1 - Automate Existing PMO Reporting System). NEXT STEPS: Phase 2 Q1 2018.

Sub-Total Woodward Upgrades - Wastewater **233,592,923 39,710,605 196,791,498 (2,909,180) 101.2%**

TOTAL WOODWARD UPGRADES SECTION **233,592,923 39,710,605 196,791,498 (2,909,180) 101.2%**

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

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			a	b	c	d	e		

PLANT MAINTENANCE AND TECHNICAL SERVICES SECTION

Water - Rates

2014	5141466713	Annual Water Maintenance	1,305,000	902,976	0	402,024	69.2%	G.Botha	STATUS: Work Completed. NEXT STEPS: Account to be closed after WIP Funding of 2018 Annual Water Capital Maintenance by \$400k through 2018 Budget Cycle.
2015	5141566713	Annual Water Maintenance	388,000	208,886	0	179,114	53.8%	G.Botha	STATUS: Work Completed. NEXT STEPS: Account to be closed after WIP Funding of 2018 Annual Water Capital Maintenance by \$180k through 2018 Budget Cycle.
2015	5141566711	Annual Water Treatment Studies	250,000	48,102	21,578	180,320	27.9%	G.Botha	STATUS: Work in Progress - PO Contractor H&S Program Review / Audit & Coagulation Optimization at Woodward WWTP. NEXT STEPS: Arc Flash Study in Outstations, Chlorine to Ammonia ratio and Chlorine residual on valve gasket seals (Q4 2017).
2016	5141666713	Annual Water Maintenance	600,000	283,106	276,238	40,656	93.2%	G.Botha	STATUS: Work in Progress - Construction (Woodward WWTP Staff Building Renovations, Installation of new valve at the Lee Smith Reservoir. NEXT STEPS: Completion Q4 2017.
2017	5141766711	Annual Water Treatment Studies	250,000	29,070	60,228	160,702	35.7%	G.Botha	STATUS: Work in Progress - Condition Assessment (Chlorine Chemical Building). NEXT STEPS: Completion Q1 2018.
2017	5141766713	Annual Water Maintenance	2,500,000	0	352,641	2,147,359	14.1%	G.Botha	STATUS: Work in Progress. NEXT STEPS: Pre-Purchase of Equipment & Tender for Construction - Low Lift Pumping Station Traveling Screen Replacement (Q2 2018).
<u>Sub-Total Plant Maintenance & Technical Services - Water</u>			5,293,000	1,472,140	710,685	3,110,175	41.2%		

Wastewater - Rates

2014	5161466713	Wastewater Maintenance Capital	2,000,000	1,000,000	0	1,000,000	50.0%	G.Botha	STATUS: Work Completed. NEXT STEPS: Account to be closed after WIP Funding of HSDIG Digester #4 Cleanout and Mixer Replacement by \$1M through 2018 Budget Cycle.
2015	5161566713	Wastewater Maintenance Capital	1,900,000	1,050,000	0	850,000	55.3%	G.Botha	STATUS: Work Completed. NEXT STEPS: Account to be closed after WIP Funding of HSDIG Digester #4 Cleanout and Mixer Replacement by \$850k through 2018 Budget Cycle.
2016	5161666713	Wastewater Maintenance Capital	2,000,000	800,000	0	1,200,000	40.0%	G.Botha	STATUS: Work Completed. NEXT STEPS: Account to be closed after WIP Funding of HSDIG Digester #4 Cleanout and Mixer Replacement by \$1.2M through 2018 Budget Cycle.
2017	5161766713	Wastewater Maintenance Capital	3,500,000	736,302	1,660,680	1,103,018	68.5%	G.Botha	STATUS: Work in Progress. NEXT STEPS: WIP Funding of HSDIG Digester #4 Cleanout and Mixer Replacement by \$500k through 2018 Budget Cycle.

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2017	5161766745	Woodward WWTP-Oper Readiness	3,800,000	8,725	105,154	3,686,121	3.0%	G.Botha	STATUS: Design - Replacement of Membrane Tube Diffusers at the Woodward WWTP. NEXT STEPS: Tender for Construction - HSAER North Aeration Diffuser Installation & Step Feed Weir Refurbishment Q2 2018, Design - North Secondary Clarifiers Q1 2018.
Sub-Total Plant Maintenance & Technical Services - WasteWater			13,200,000	3,595,027	1,765,834	7,839,139	40.6%		
TOTAL PLANT MAINTENANCE & TECHNICAL SERVICES SECTION			18,493,000	5,067,167	2,476,519	10,949,314	40.8%		
WATER & WASTEWATER PLANNING AND CAPITAL SECTION									
Corporate Project Program - Tax									
2009	2110953900	Randle Reef Rehab Project	6,500,000	6,222,735	1,900,000	(1,622,735)	125.0%	M.Bainbridge	STATUS: Cash Flow Budget approved by Finance. Stage 1 Construction ongoing, Stage 2 Tender awarded June 2017. NEXT STEPS: Estimated Substantial Performance - Stage 1 Q4 2017, Stage 2 Q1 2020. Future Stage 3 work planned after Stage 2 completion.
Sub-Total Water & Wastewater Planning & Capital - Corporate Project Program			6,500,000	6,222,735	1,900,000	(1,622,735)	125.0%		
Wastewater - Rates									
2014	5161468422	Randle Reef Sediment Remediate	4,000,000	4,000,000	2,000,000	(2,000,000)	150.0%	M.Bainbridge	STATUS: Cash Flow Budget approved by Finance. Stage 1 Construction ongoing, Stage 2 Tender awarded June 2017. NEXT STEPS: Estimated Substantial Performance - Stage 1 Q4 2017, Stage 2 Q1 2020. Future Stage 3 work planned after Stage 2 completion.
Sub-Total Water & Wastewater Planning & Capital - Wastewater			4,000,000	4,000,000	2,000,000	(2,000,000)	150.0%		
TOTAL WATER & WASTEWATER PLANNING AND CAPITAL SECTION			10,500,000	10,222,735	3,900,000	(3,622,735)	134.5%		
HAMILTON WATER & WASTEWATER- DIRECTOR									
Water - Rates									
2015	5141557543	Workforce & Time Mgmt-Kronos	430,000	351,066	21,607	57,327	86.7%	A.Grice	STATUS: Work in Progress - Acquisition of Manager's licenses and a terminal. NEXT STEPS: Completion Q4 2017.
2016	5141641226	Centralized W-WW OPumping Station Centre	250,000	0	0	250,000	0.0%	A.Grice	NEXT STEPS: Evaluate yard options which includes an analysis of site requirements and potential locations.
Sub-Total - Water			430,000	351,066	21,607	57,327	86.7%		

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Wastewater - Rates

2016	5161641226	Centralized W-WW OPumping Station Centre	250,000	0	0	250,000	0.0%	A.Grice	NEXT STEPS: Evaluate yard options which includes an analysis of site requirements and potential locations.
Sub-Total Roads - Wastewater			250,000	0	0	250,000	0.0%		
TOTAL HAMILTON WATER & WASTEWATER DIRECTOR SECTION			680,000	351,066	21,607	307,327	54.8%		

WATER & WASTEWATER ENGINEERING SERVICES SECTION

Water - Engineering Services

2013	5141371301	WM Replace Program - Coordinated with Roads - 2013	11,370,000	10,754,882	182,615	432,503	96.2%	M.Oddi/P. McNab	Construction complete. Awaiting billing from CN. \$430k surplus at this time.
2013	5141396351	Garner Watermain Trunk W09	530,000	171,795	0	358,205	32.4%	E.Waite	Construction delayed and phased in coordination with Development needs 2018-2020
2014	5141455425	Concrete Pipe Condition Assessment	1,730,000	1,189,119	250,440	290,441	83.2%	E.Waite	Ongoing - work in progress.
2014	5141461300	Wm Replacement Program - 2014	1,450,000	450,959	0	999,041	31.1%	M.Oddi/P. McNab	\$200k being used to WIP fund Patrick - Walnut to west end which has been rebudgeted in 2018/2019. The balance of funds will be used to with fund Brampton - Parkdale to Strathearne which has been rebudgeted in 2019.
2014	5141471301	WM Replace Program - Coordinated with Roads - 2014	12,690,000	12,698,281	0	(8,281)	100.1%	M.Oddi/P. McNab	CLOSE NEXT BER
2015	5141555501	Ferguson PumPumping Stationation 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	5141564533	Up Wentworth - Hydro to Twenty	200,000	12,638	0	187,362	6.3%	S.Jacob	Not working on this project. Was requested by IPSD to hold off until WWMaster Plan update is complete
2015	5141571301	WM Replace Program - Coordinated with Roads - 2015	12,717,000	12,284,891	143,319	288,790	97.7%	M.Oddi/P. McNab	Multi-year project. 11 of 12 projects have been awarded, Rymal W - Garth to West 5th construction 2018. Additional funds have been added in the 2018 Capital Budget.
2015	5141596152	PD11 (Governor's Rd) Extend	540,000	34,258	0	505,742	6.3%	S.Jacob	Design 2017, Construct 2018
2015	5141596153	PD22 (Governor's Rd) Extend	900,000	58,090	0	841,910	6.5%	S.Jacob	Design 2017, Construct 2018
2015	5141596550	Stone Church Feedermain (W-24)	25,300,000	1,901,769	0	23,398,231	7.5%	S.Jacob	Starting Functional design in 2017, Consultant proposal received.

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2015	5141596558	Greenhill Feedermain - King to Greenhill Tank	5,700,000	5,168,552	149,638	381,810	93.3%	M.Oddi	Complete - Close once commitments are paid/cleared
2016	5141655556	Mapping Update - 2016	70,000	57,548	5,135	7,317	89.5%	G.McGuire	Complete - Close once commitments are paid/cleared
2016	5141657626	Critical WM Inspection Program - 2016	299,000	164,559	75,932	58,509	80.4%	E.Waite	Anticipate 100% spent by year end 2017
2016	5141660577	Metallic Watermain Condition Assessment Program - 2016	700,000	335,388	361,008	3,604	99.5%	E.Waite	Ongoing - work in progress
2016	5141660999	Closed Projects - Water	218,000	29,957	187,362	681	99.7%	E.Waite/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.
2016	5141661300	WM Replacement Program - 2016	890,000	397,628	281,834	210,538	76.3%	M.Oddi/P. McNab	Mill St ongoing construction with completion in summer of 2018. \$190K WIP funded to 2018 Waterfront project for Sheaffe/Cannon/Caroline/Railway/Mill/Harriet (Central Park) - 4411806202
2016	5141662073	Field Data Systems Program - 2016	169,380	42,404	22,050	104,926	38.1%	I.Szczepanik	Ongoing - work in progress. Not an annual project. No funds requested for 2018.
2016	5141664632	Twenty (Gret) to Upper James	1,610,000	158,194	0	1,451,806	9.8%	S.Jacob	Not working on this project. Was requested by IPSD to hold off until WWM Master Plan update is complete
2016	5141670000	Coordinated Road and Subsurface Works - 2016	3,591,000	2,044,609	1,072,609	473,782	86.8%	M.Oddi/P. McNab	6 of 6 project awarded. Construction ongoing. Surplus approximately \$400k at this time.
2016	5141671301	WM Replace Program - Coordinated with Roads - 2016	4,935,000	3,676,557	701,805	556,638	88.7%	M.Oddi/P. McNab	\$507k being used to WIP fund the 2018 program. 5 of 5 projects awarded. Ongoing construction.
2017	5141711101	Road Restoration Program - 2017	5,400,000	2,487,894	1,622,980	1,289,126	76.1%	G.McGuire	Ongoing - work in progress
2017	5141749555	QA-QC Service Contract - 2017	110,000	68,969	51,935	(10,904)	109.9%	E.Waite	Ongoing - work in progress
2017	5141757626	Critical WM Inspection Program - 2017	330,000	32,476	0	297,524	9.8%	E.Waite	Ongoing - work in progress
2017	5141757628	Mountain Feedermain	340,000	33,461	0	306,539	9.8%	E.Waite	Ongoing - work in process, completion Q1 2018
2017	5141760072	Structural WM Lining Program - 2017	6,922,000	6,918,264	5,769	(2,033)	100.0%	E.Waite	Ongoing - work in progress
2017	5141760080	Valve Replacement - 2017	1,760,000	208,404	1,274,007	277,589	84.2%	E.Waite	Ongoing - work in progress
2017	5141760577	Metallic Watermain Condition Assessment Program - 2017	685,000	215,612	414,193	55,195	91.9%	E.Waite	Ongoing - work in progress

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2017	5141760711	PW Capital Water Consumption Program - 2017	200,000	9,747	0	190,253	4.9%	E.Waite	Ongoing - work in progress. Anticipate completion by year end 2017 when Hamilton Water transfers charges.
2017	5141760754	Kenilworth Transmission Watermain Renewal	200,000	33,306	134,360	32,334	83.8%	E.Waite	Work complete, pending final report. Anticipated close by end of 2017.
2017	5141761300	WM Replacement Program - 2017	1,630,000	160,414	0	1,469,586	9.8%	E.Waite	Ongoing - work in progress Burlington Trunkmain Repairs; Woodward Greenhill Transmission Main Pipeline repair on Summercrest, James and Charlton Intersection
2017	5141761777	Beach Trunkmain Rehab	5,000,000	492,068	0	4,507,932	9.8%	E.Waite	Ongoing - work in progress. Construction expected in 2018. Delays due to other projects requiring system operation coordination.
2017	5141770000	Coordinated Road and Subsurface Works - 2017	3,000,000	920,879	1,924,628	154,493	94.9%	M.Oddi/P. McNab	4 of 4 projects have been awarded. Ongoing construction.
2017	5141771074	Contingency for Unscheduled Works Program - 2017	200,000	140,151	0	59,849	70.1%	E.Waite	% spent dependent on # of unscheduled works.
2017	5141771301	WM Replace Program - Coordinated with Roads - 2017	2,775,000	1,397,183	1,155,639	222,178	92.0%	M.Oddi/P. McNab	\$100K WIP funded to 2018 Waterfront project for Sheaffe/Cannon/Caroline/Railway/Mill/Harriet (Central Park) - 4411806202. 2 of 4 projects awarded. Remaining two are design 2017 only. Ongoing construction.
2017	5141771740	Upper Sherman - Rymal to Stone	1,590,000	1,038,444	240,070	311,486	80.4%	M.Oddi	Ongoing construction
2017	5141796752	PD16 Trunk - Pumping Station HD016 to Hwy 5	1,250,000	123,017	0	1,126,983	9.8%	S.Jacob	Completed Functional design, requires land and Class EA, IPSD to be the lead on this.
Sub-Total Water - Engineering Services			118,151,380	66,937,074	10,351,798	40,862,508	65.4%		

WasteWater - Engineering Services

2007	5160795757	Centennial Trnk Swr-WW14,WW33	84,200,000	59,502,535	23,824,221	873,244	99.0%	M.Oddi	Ongoing - work in progress. Anticipated completion spring/summer of 2019.
2013	5161360307	Charlton and Catharine - Sewer	110,000	92,498	1,742	15,760	85.7%	E.Waite	Delayed for coordination with water and surface works 2018
2013	5161395358	Hwy 56 Forcemain&Twinning WW21	27,190,000	7,204,693	10,766,845	9,218,462	66.1%	M.Oddi	Ongoing - work in progress. Anticipated completion spring/summer of 2019.
2014	5161461422	Patrick - Walnut to west end	330,000	54,532	36,921	238,547	27.7%	E.Waite	Tender in late 2017 for 2018 construction. Delays due to subsurface utility engineering investigation.
2014	5161471015	Sewer Lateral Replacement for Co-ordinated Projects	400,000	332,969	0	67,031	83.2%	M.Oddi	\$60k being used to WIP fund the 2018 project and then this can be closed.

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2015	5161555077	Zoom Camera Inspection - Data Component	760,000	367,194	92,931	299,875	60.5%	E.Waite	Ongoing - work in progress
2015	5161560591	Barton St. Trunk Sewer Rehab - Strathearne to Weir	1,290,000	162,239	25,005	1,102,756	14.5%	E.Waite	Ongoing - work in progress Contract award expected in Q4 2017, construction completion Q2 2018
2015	5161560999	Closed Projects - WasteWater	119,000	0	162,487	(43,487)	136.5%	E.Waite/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	5161567563	HC005 - Public Properties	1,040,000	120,064	235,977	683,959	34.2%	E.Waite	Ongoing - Construction to commence in 2018
2015	5161567565	HC005 Montgomery Drive - Inline Storage	2,230,000	1,023,762	1,025,444	180,794	91.9%	M.Oddi	Construction ongoing. Anticipated completion end of November 2017.
2015	5161571015	Sewer Lateral Replacement for Co-ordinated Projects	200,000	49,310	0	150,690	24.7%	M.Oddi	\$150k being used to WIP fund the 2018 project and then this can be closed.
2015	5161571525	Parkdale - Barton to Burlington	3,171,000	2,917,314	0	253,686	92.0%	M.Oddi	\$250k is being used to WIP fund the 2018 program and then this project can be closed.
2015	5161596855	Royal to Main-King CSO (WW-22)	18,040,000	1,557,247	0	16,482,753	8.6%	S.Jacob	Hold up due to Sammy Metals land, need co-ordination with LRT project.
2016	5161649555	QA-QC Service Contract - 2016	110,000	45,875	13,343	50,782	53.8%	M.Oddi/P. McNab	Complete - Close once commitments are paid/cleared
2016	5161655556	Mapping Update - 2016	70,000	6,805	59,447	3,748	94.6%	G.McGuire	Complete - Close once commitments are paid/cleared
2016	5161660533	Trenchless Manhole Rehabilitation - 2016	80,000	5,897	70,984	3,119	96.1%	E.Waite	Ongoing - work in progress
2016	5161660575	Mainline Sewer Condition Assessment Program - 2016	600,000	396,817	153,490	49,693	91.7%	E.Waite	Complete - Close once commitments are paid/cleared
2016	5161660610	Binbrook Manhole & Sewer Rehab	540,000	40,216	500,000	(216)	100.0%	E.Waite	Complete - Close once commitments are paid/cleared
2016	5161660711	PW Capital Water Consumption Program - 2016	200,000	50,000	0	150,000	25.0%	E.Waite	\$150k being used to WIP fund the 2018 program and then this project can be closed.
2016	5161662073	Field Data Systems Program - 2016	160,110	14,324	71,705	74,081	53.7%	I.Szczepanik	Ongoing - work in progress. Not an annual project. No funds requested for 2018.
2016	5161671074	Contingency for Unscheduled Works Program - 2016	520,000	36,624	477,704	5,672	98.9%	E.Waite/P. McNab	% spent dependent on # of unscheduled works. Future budgets on hold pending depletion of these funds. Not an annual project.
2017	5161711101	Road Restoration Program - 2017	1,800,000	1,053,455	262,312	484,233	73.1%	G.McGuire	Ongoing - work in progress

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2017	5161718420	Grindstone Creek Utility Bridge	390,000	56,975	301,020	32,005	91.8%	E.Waite	Construction delayed to 2024 to coordinate with transportation bridge construction and to commence after the completion of Waterdown E-W Bypass road.
2017	5161749555	QA-QC Service Contract - 2017	110,000	21,696	82,618	5,686	94.8%	E.Waite	Ongoing - work in progress
2017	5161760390	Wastewater System Lining Program - 2017	4,500,000	3,413,954	245,099	840,947	81.3%	E.Waite	Ongoing - work in progress
2017	5161760533	Trenchless Manhole Rehabilitation - 2017	80,000	7,873	70,000	2,127	97.3%	E.Waite	Ongoing - work in progress
2017	5161760575	Mainline Sewer Condition Assessment Program - 2017	1,330,000	359,941	441,791	528,268	60.3%	E.Waite	Ongoing - work in progress
2017	5161760576	Sewer Lateral Condition Assessment Program - 2017	900,000	480,662	419,338	0	100.0%	E.Waite	Complete - Close once commitments are paid/cleared
2017	5161760711	PW Capital Water Consumption Program - 2017	200,000	69,378	0	130,622	34.7%	E.Waite	Ongoing - work in progress
2017	5161760820	Open Cut Repairs for CIPP Program - 2017	400,000	31,745	368,255	0	100.0%	E.Waite	Complete - Close once commitments are paid/cleared
2017	5161761241	Eastern Sanitary Interceptor (ESI) Rehab - SSR at Fruitland	4,688,000	4,687,845	0	155	100.0%	E.Waite	Close after year end report
2017	5161761444	Sewer Lateral Replace/Rehab Program - 2017	4,000,000	2,998,321	996,106	5,573	99.9%	E.Waite	Ongoing - work in progress
2017	5161768240	Western Interceptor Sewer CCTV and Sonar Inspection	1,540,000	151,557	1,200,000	188,443	87.8%	E.Waite	Ongoing - work in progress. To be completed by March 31, 2018 as per CWWF requirements
2017	5161771015	Sewer Lateral Replacement for Co-ordinated Projects	300,000	29,524	95,355	175,121	41.6%	E.Waite	Ongoing - work in progress
2017	5161772720	Central Park	120,000	0	0	120,000	0.0%	E.Waite	\$120K WIP funded to 2018 Waterfront project for Sheaffe/Cannon/Caroline/Railway/Mill/Harriet (Central Park) - 4411806202
Sub-Total Wastewater - Engineering Services			161,718,110	87,343,841	42,000,140	32,374,129	80.0%		
Storm Sewers - Engineering Services									
2012	5181272290	Storm Sewer Upgrades - 2012	7,596,000	6,717,256	797,493	81,251	98.9%	M.Oddi/P. McNab	Ongoing work in progress - outstanding commitment for the replacement of Grade Separation: Bridge 163, Centennial Parkway underpass .
2013	5181360312	Greenhill - Hwy 20 Culverts	2,110,000	889,135	431,012	789,853	62.6%	M.Oddi	Complete - pending final review/audit/payment

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2013	5181372295	SERG - Mount Albion SWMF Rehab	670,000	174,308	5,558	490,134	26.8%	S.Jacob	HCA permit outstanding
2014	5181460422	SERG - Holbrook SW Improvement	940,000	666,920	4,868	268,212	71.5%	M.Oddi	Complete - pending final review/audit/payment
2014	5181460423	SERG - Princess at Birch	90,000	11,172	0	78,828	12.4%	S.Jacob	Requires changes to manholes. Can be done as a maintenance activity.
2015	5181555077	Zoom Camera Inspection - Data Component	760,000	120,872	234,207	404,921	46.7%	E.Waite	Ongoing - work in progress
2015	5181560591	Barton St. Trunk Sewer Rehab - Strathearne to Weir	1,290,000	228,078	139	1,061,783	17.7%	E.Waite	Ongoing - work in progress Contract award expected in Q4 2017, construction completion Q2 2018
2015	5181560999	Closed Projects - Storm	275,000	26,288	158,281	90,431	67.1%	E.Waite/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	5181572291	Barton & Hamilton St, Waterdown Storm Sewer Upgrade	1,530,000	317,747	0	1,212,253	20.8%	E.Waite	Funding made available through 2015 budget for potential extension for development. Development spearheading. Currently under review by Risk and Legal due to developer/constructor claim.
2015	5181572295	SERG - LEEDS Implementation	910,000	50,228	46,147	813,625	10.6%	E.Waite	Complete. \$590k being used to WIP fund 2018 program. Close once commitments are paid/cleared.
2016	5181649555	QA-QC Service Contract - 2016	60,000	28,200	30,000	1,800	97.0%	M.Oddi/P. McNab	Complete - Close once commitments are paid/cleared
2016	5181655420	Wilson St Stormwater Drainage	2,440,000	965,625	188,947	1,285,428	47.3%	M.Oddi	Construction ongoing. Anticipated completion mid December 2017.
2016	5181655556	Mapping Update - 2016	70,000	5,213	55,447	9,340	86.7%	G.McGuire	Complete - Close once commitments are paid/cleared
2016	5181660533	Trenchless Manhole Rehabilitation - 2016	80,000	35,355	40,248	4,397	94.5%	E.Waite	Ongoing - work in progress, close after year end 2017
2016	5181662073	Field Data Systems Program - 2016	100,000	34,364	0	65,636	34.4%	I.Szczepanik	Ongoing - work in progress. Not an annual project. No funds requested for 2018.
2016	5181672074	Contingency for Unscheduled Works Program - 2016	150,000	35,370	26,345	88,285	41.1%	E.Waite/P. McNab	% spent dependent on # of unscheduled works.
2016	5181672259	SERG - Gage Park Pond	1,980,000	161,695	134,811	1,683,494	15.0%	S.Jacob	Design 2017, construction 2018
2016	5181672290	Storm Sewer Upgrades - 2016	1,538,000	531,044	131,352	875,604	43.1%	M.Oddi/P. McNab	\$280K WIP funded to 2018 Waterfront project for Sheaffe/Cannon/Caroline/Railway/Mill/Harriet (Central Park) - 4411806202. Balance of projects ongoing. Anticipated surplus approx. \$350k

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			a	b	c	d	e		
2016	5181672650	West Mtn Sewers - Juggernaut	9,549,000	1,307,137	10,613,147	(2,371,284)	124.8%	E.Waite	Construction to begin in 2017. CWWF funded project to be completed by March 2018. \$3.3m 2018 budget to be approved and loaded.
2017	5181717549	Concrete Box Culvert Rehabilitation/Repair (< 3.0m span)	194,000	149,627	44,373	0	100.0%	E.Waite	Complete - Close once commitments are paid/cleared
2017	5181749555	QA-QC Service Contract - 2017	60,000	5,905	18,368	35,727	40.5%	E.Waite	Ongoing - work in progress
2017	5181760533	Trenchless Manhole Rehabilitation - 2017	80,000	7,873	70,000	2,127	97.3%	E.Waite	Ongoing - work in progress
2017	5181760730	McQueston Park Entrance - Flooding	250,000	24,603	0	225,397	9.8%	E.Waite	Ongoing - work in progress, completion Q2 2018
2017	5181772290	Storm Sewer Upgrades - 2017	470,000	83,692	4,091	382,217	18.7%	E.Waite	1 of 4 projects tendered. The remaining three projects are design 2017 only.
2017	5181780786	RHBP - Dartnall - Stone Church to Rymal	187,000	16,730	166,943	3,327	98.2%	M.Oddi	Ongoing construction. Surface asphalt 2018.
Sub-Total Storm Sewers - Engineering Services			33,379,000	12,594,437	13,201,777	7,582,786	77.3%		
TOTAL WATER, WASTEWATER & STORM SEWERS ENGINEERING SECTION			313,248,490	166,875,352	65,553,715	80,819,423	74.2%		

WATER WASTEWATER & STORM SEWERS OPERATIONS SECTION

Water - Operations

2011	5141166151	SCADA Master Plan Implement	15,580,000	12,059,386	1,049,759	2,470,855	84.1%	A.McArthur	SCADA Master Plan implementation and construction will continue until Q4 2017
2014	5141455922	Water Loss Audit - 2014	400,000	16,242	14,022	369,736	7.6%	N.Winters	These funds are to install water meters throughout the water distribution system to determine water loss. This project will be fully spent by July 1, 2018
2015	5141560750	Unscheduled Valve, Hydrant etc - 2015	7,350,000	6,794,192	555,808	0	100.0%	N.Winters	These funds are for the Emergency Water Repair contract and they will be fully spent by February 2018.
2015	5141569075	Environmental Lab Improvements - 2015	70,000	27,567	42,910	(477)	100.7%	P.Thomas/C. Vanderperk	Complete - Close once commitments are paid/cleared
2016	5141641226	Centralized Water and Wastewater Operations Centre	250,000	0	0	250,000	0.0%	A.McArthur	Continuing to work with City-wide Portfolio Review of Yard Facilities and Properties.
2016	5141651610	Fleet Additions - Hamilton Water - 2016	400,000	201,838	127,374	70,788	82.3%	G.Botha	This project has experienced some delays but the funds will be fully committed by October 2017. These funds are for installation of AVL modems in Hamilton Water vehicles.
2016	5141655851	Water Efficiency Plan - 2016	102,000	14,481	15,080	72,439	29.0%	J.Wagner	Project to be initiated in Q3. 1/3 to be spent in 2017. 2/3 in 2018.
2016	5141660750	Unscheduled Valve, Hydrant etc - 2016	2,500,000	773,371	1,726,629	0	100.0%	N.Winters	These funds are for the Emergency Water Repair contract and they will be fully spent by February 2019.

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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 September 30, 2017
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2016	5141661502	New & Replacement Water Meters - 2016	2,000,000	1,721,818	53,370	224,812	88.8%	R.Di Giovanni	Received documentation from contractor in order to release 10% holdback. With F&A group now. Will close after payouts completed.
2016	5141662078	Substandard Water Service Replacement Program - 2016	3,000,000	1,855,893	1,117,332	26,775	99.1%	N.Winters/D. Alberton	These funds are for the replacement of public portion lead water services. This project is on-track and should be fully spent by April 2018.
2016	5141669075	Environmental Lab Improvements - 2016	150,000	0	0	150,000	0.0%	P.Thomas/C. Vanderperk	Anticipate 100% spent/committed by year end 2018.
2017	5141751710	Fleet Additions - Hamilton Water - 2017	560,000	143,733	38,551	377,716	32.6%	G.Botha	Ongoing - work in progress. P.O. for Plant Maintenance & Technical Services Section for the purchase of a new forklift is included.
2017	5141755851	Water Efficiency Plan - 2017	200,000	13,290	35,840	150,870	24.6%	J.Wagner	Anticipate 50 % spent in 2017 & remaining 50 % in 2018
2017	5141757750	Carlisle AMR/AMI Pilot Project	250,000	0	170,000	80,000	68.0%	R. Di Giovanni	Ongoing - work in progress. This project will run until the end of this year.
2017	5141760750	Unscheduled Valve, Hydrant etc - 2017	1,040,000	172,205	850,903	16,892	98.4%	N.Winters	These funds are for the Emergency Water Repair contract and they will be fully spent by November 2019.
2017	5141761502	Water Meter - Installation /Replacement/Repair - General Maintenance	2,100,000	1,388,339	710,676	985	100.0%	R. Di Giovanni	Ongoing - work in progress. This project will run until Feb 1st, 2018.
2017	5141762078	Substandard Water Service Replacement Program - 2017	4,000,000	1,753,773	300,934	1,945,293	51.4%	N.Winters/D. Alberton	These funds are for the replacement of public portion lead water services. This project is on-track and should be fully spent by February 2019.
2017	5141763757	City of Hamilton Bulk Water Fill Stations Upgrade	80,000	0	67,480	12,520	84.4%	R. Di Giovanni	This project will run until the end of this year. PO will be closed in early 2018
Sub-Total - Hamilton Water - Operations			40,032,000	26,936,128	6,876,668	6,219,204	84.5%		

WasteWater - Operations

2011	5161166151	SCADA Master Plan Implement	15,875,000	13,112,102	683,762	2,079,136	86.9%	A.McArthur	SCADA Master Plan implementation and construction will continue until Q4 2017
2014	5161460450	Iona Trunk Sewer Odour Control	650,000	32,288	0	617,712	5.0%	N.Winters	This project has been completed. We will be completing an appropriation adjustment to move those funds to other wastewater projects. This appropriation adjustment will be completed once the 2018 Budget process has been completed
2014	5161469076	BCOS-Beyond Compliance OP Sys	243,000	97,618	7,410	137,972	43.2%	C.Vanderperk/ S.Girt	This project relates to the BCOS software upgrade and DWQMS maintenance. The monies will be spent 2018/2019.
2015	5161560625	Post Zoom Camera Rehab	220,000	70,747	0	149,253	32.2%	N.Winters	\$149k being used to WIP fund 2018 program. An appropriation adjustment was completed to move \$40k surplus to the 2017 project (this will clear the \$23k deficit for 2015 and 2016 Unscheduled Valve, Hydrant, etc. projects)

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2016	5161641226	Centralized Water and Wastewater Operations Centre	250,000	0	0	250,000	0.0%	A.McArthur	Continuing to work with City-wide Portfolio Review of Yard Facilities and Properties.
2016	5161660302	Emergency Repairs - Cross Connections - 2016	500,000	472,690	27,249	61	100.0%	N.Winters/D. Alberton	This account funds the investigation and correction of sewer lateral cross connections. The funds are fully committed and will be fully spent by December 2017.
2016	5161669075	Environmental Lab Improvements - 2016	345,000	113,467	140,895	90,638	73.7%	P.Thomas/C. Vanderperk	Anticipate 100% spent/committed by year end 2018.
2017	5161755422	Sewer Use Bylaw Enforcement Infor Upgrade	80,000	1,654	33,050	45,296	43.4%	D.Saunders/C. Vanderperk	32,000 will be spent in 2017. The remainder in 2018
2017	5161760302	Emergency Repairs - Cross Connections - 2017	1,000,000	405,266	513,441	81,293	91.9%	N.Winters/D. Alberton	This account funds the investigation and correction of sewer lateral cross connections. The funds will be fully spent by January 2019.
2017	5161760522	Sewer Lateral Management Program (WWC) - 2017	3,500,000	2,243,269	999,642	257,089	92.7%	N.Winters/D. Alberton	The funds are for the sewer lateral management program and they will be fully spent by April 2018
2017	5161761740	Unscheduled Manhole & Sewermain - 2017	350,000	7,239	325,425	17,336	95.0%	N.Winters	These funds are for the Emergency Sewer Repair contract and they will be fully spent by December 2018.
2017	5161766423	Sewer Use Bylaw 14-090 Parameter Limit Review	150,000	0	0	150,000	0.0%	D.Saunders/C. Vanderperk	50 % will be spent in 2017. The remainder in 2018
2017	5161769075	Environmental Lab Improvements - 2017	250,000	0	0	250,000	0.0%	P.Thomas/C. Vanderperk	Anticipate 100% spent/committed by year end 2018.
Sub-Total - Hamilton WasteWater - Operations			23,413,000	16,556,340	2,730,874	4,125,786	82.4%		

Storm Sewers - Operations

2015	5181560515	Inlet-Outlet Storm Damage Repair - 2015	850,000	381,552	66,221	402,227	52.7%	N.Winters	\$400k surplus being used to wip fund 2018 Storm Capital Program. The \$66K Spring Creek PO will need to remain in this account until the warranty period is complete December 2017).
2017	5181755740	Flushables Research Study	75,000	0	75,000	-	100.0%	J.Wagner	Expected completion of study by end of Q3 2018.
2017	5181761740	Unscheduled Manhole & Sewermain - 2017	100,000	0	1,607	98,393	1.6%	N.Winters	These funds are for the Emergency Sewer Repair contract and they will be fully spent by December 2018.
Sub-Total - Hamilton Storm Sewers - Operations			1,025,000	381,552	142,828	500,620	51.2%		

Storm Sewers - Roads O&M

2014	5181460452	Shoreline Protection Program	1,110,000	229,044	26,768	854,188	23.0%	B.Hughes	Final design preparation subject to private resident involvement.
2014	5181460461	Forty Mile Municipal Drain	100,000	91,363	0	8,637	91.4%	B.Hughes	Close once cost sharing has been confirmed.

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2014	5181460722	Municipal Drain Maintenance Program - 2014/15	199,000	22,765	12,243	163,992	17.6%	B.Hughes	Reactive Account - subject to applications from the public. Note no 2017 allocations.
2015	5181510501	Mathers Drive Bank Erosion Control and Slope Stabilization	1,100,000	43,867	64,797	991,336	9.9%	B.Hughes	Project file to council, design to commence upon council approval, construction anticipated start Q3, 2018.
2015	5181517152	Roadside Drainage Improvement Program - 2015	1,320,000	1,266,028	31,394	22,578	98.3%	B.Hughes	Complete - Close once commitments are paid/cleared
2016	5181617152	Roadside Drainage Improvement Program - 2016	1,500,000	1,024,129	461,408	14,463	99.0%	B.Hughes	Work complete
2016	5181617458	Catch Basin Replacement/Rehabilitation Program - 2016	500,000	383,225	27,757	89,018	82.2%	B.Hughes	Anticipate 100% spent Q2, 2018
2016	5181617549	Cross Road Culvert Rehabilitation/Repair - 2016	150,000	97,003	54,675	(1,678)	101.1%	B.Hughes	Anticipate 100% spent Q4 2017
2016	5181617642	South St East Drainage Improve	160,000	21,652	3,224	135,124	15.5%	B.Hughes	Construction Q2, 2018
2016	5181660622	SWM Pond-Creek Maintenance Program - 2016	1,500,000	614,531	878,917	6,552	99.6%	B.Hughes	Work complete
2016	5181660722	Municipal Drain Maintenance Program - 2016	100,000	0	0	100,000	0.0%	B.Hughes	Reactive Account - subject to applications from the public. Note no 2017 allocations.
2016	5181674640	Battlefield Creek Remediation	300,000	166,641	20,256	113,103	62.3%	B.Hughes	Work complete
2017	5181717152	Roadside Drainage Improvement Program - 2017	1,370,000	88,583	1,282,202	(785)	100.1%	B.Hughes	Work complete
2017	5181717458	Catch Basin Replacement/Rehabilitation Program - 2017	500,000	145,788	123,334	230,878	53.8%	B.Hughes	Anticipate 100% spent Q4, 2017.
2017	5181760622	SWM Pond-Creek Maintenance Program - 2017	1,600,000	236,888	1,154,191	208,921	86.9%	B.Hughes	Anticipate 100% spent Q4, 2017.
2017	5181760722	Municipal Drain Maintenance Program - 2017	100,000	0	0	100,000	0.0%	B.Hughes	WIP finance 2018 project
2017	5181767723	Pumping Stations	100,000	0	0	100,000	0.0%	B.Hughes	Committed/work anticipated to be complete Q3, 2018
2017	5181774730	Centre Road Drainage Improvement	100,000	0	0	100,000	0.0%	B.Hughes	Anticipate 100% spent Q3, 2018
Sub-Total - Hamilton Storm Sewers - Roads O&M			11,809,000	4,431,507	4,141,166	3,236,327	72.6%		

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			a	b	c	d	e		
<u>TOTAL WATER, WASTEWATER & STORM SEWERS - OPERATIONS</u>			76,279,000	48,305,527	13,891,536	10,845,610	81.5%		
Total Public Works - Rate Supported			869,041,513	361,757,000	311,348,393	192,699,793	77.5%		