

City of Hamilton Capital Projects Status Report - Public Works Rate Supported Projects
As of June 30, 2018

YEAR APPROVED	PROJECT ID	DESCRIPTION	APPROVED BUDGET (\$)	ACTUAL EXPENDITURES (\$)	PO COMMITMENTS (\$)	AVAILABLE BALANCE (\$) d = a - b - c	% COMPLETE e = (b+c) / a	Project Manager	STATUS EXPLANATION as of June 30, 2018
			a	b	c	d	e		

CAPITAL DELIVERY SECTION

Water Rates

2006	5140667650	Carlisle Communal Well Upgrade	4,840,000	4,693,711	17,386	128,903	97.3%	S. Leitch	STATUS: Work Completed (Carlisle Tower Refurbishment). NEXT STEPS: Account to be closed once final invoices are paid and outstanding purchase orders have been closed Q3 2018.
2009	5140967950	ISF-672-Ferguson PS Upgrade	22,730,000	23,009,325	22,624	(301,949)	101.3%	S. Leitch	STATUS: Substantially Performed. Work in Progress - Investigation of the vertical turbine pump issues. NEXT STEPS: Completion Q4 2018. Negative balance due to unanticipated tax changes and internal staffing allocation.
2009	5140967951	ISF-714-Hillcrest Reservoir	13,400,000	12,736,564	85,000	578,436	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 Q3 2018.
2010	5141061303	Valve Chamber No 3 First-Isaac	2,790,000	2,558,617	425,889	(194,507)	107.0%	S. Leitch	STATUS: Substantially Performed. NEXT STEPS: Account to be closed once maintenance and warranty period expires Q3 2018. Negative balance due to internal staffing allocation, anticipate a project surplus upon completion which will reconcile overrun.
2011	5141166110	WTP - Process Upgrades	14,440,000	2,153,717	971,850	11,314,433	21.6%	S. Leitch	STATUS: Work in Progress - Awarding Construction Tender for Woodward WTP Upgrades - Phase 1 (Bennett Mechanical). NEXT STEPS: Substantial Performance Q4 2021.
2012	5141267270	Water Control Valve Upgrades	4,060,000	1,982,467	482,185	1,595,349	60.7%	S. Leitch	STATUS: Substantially Performed. NEXT STEPS: Account to be closed once maintenance and warranty period expires Q2 2019. WIP Fund Projectid 5141666608 by \$1,200,000 through 2019 Rates Budget.
2012	5141267271	PS HD018 Hwy 53 & HD011 Osler	740,000	664,183	64,391	11,425	98.5%	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	10,737,710	1,257,908	204,383	98.3%	S. Leitch	STATUS: Substantially Performed (Hillcrest Reservoir Upgrades). Design - Security Gate. NEXT STEPS: Q3 2018 Completion - Security Gate. WIP Fund Projectid 5141666608 by \$1,000,000 through 2019 Rates Budget.
2012	5141267274	Kenilworth PS - HD005 Upgrades	3,025,000	507,919	152,607	2,364,474	21.8%	S. Leitch	STATUS: Work in Progress - Design (4 Contractors Prequalified for Construction). NEXT STEPS: Tender for Construction Q3 2018.
2012	5141267275	SC Water Outstations Upgrade	4,390,000	3,753,701	41,051	595,247	86.4%	S. Leitch	STATUS: Work Completed (Greenhill Reservoir, Stoney Creek Outstations - Phase 1). NEXT STEPS: Issue Project Charter Q3 2018 (Kenilworth and Ben Nevis Dewitt Reservoir Phase 2 - West Cell Upgrades).

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2012	5141269250	HVAC Upgrade New Lab & Admin	5,620,000	937,575	156,749	4,525,676	19.5%	S. Leitch	STATUS: Work in Progress - Design. NEXT STEPS: Request for Tender for Construction (Lab HVAC) Q3 2018.
2013	5141395353	Ferguson HD002 Pumping Stn	2,270,000	324,201	35,579	1,910,220	15.8%	S. Leitch	STATUS: Work in Progress - Condition Assessment (HD0X2 Old Ferguson Water Pumping Station). NEXT STEPS: Request for Proposals for Design - New Ferguson PS (Phase 2 Upgrades) Q3 2018.
2015	5141567520	HDR05 Reservoir Upgrades	4,192,000	293,410	345,461	3,553,129	15.2%	S. Leitch	STATUS: Work in Progress - Design. NEXT STEPS: Request for Prequalified Contractors Q1 2019.

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2015	5141567525	HDR08 Reservoir Decommission	520,000	337,884	107,369	74,747	85.6%	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	26,900	515,567	6.3%	S. Leitch	STATUS: Work Completed - Condition Assessment and Scope Kenilworth Reservoir (HDR01) West Cell Roof Repairs. NEXT STEPS: Issue Project Charter Q3 2018 (Kenilworth and Ben Nevis Dewitt Reservoir Phase 2 - West Cell Upgrades).
2015	5141567575	High Lift PS Upgrades Phase 2	880,000	245,057	149,382	485,561	44.8%	S. Leitch	STATUS: Work in Progress - Field Study (HLPS Power Distribution & Protection Setup). NEXT STEPS: Request for Prequalified Contractors - Power Distribution (Recommissioning) Q3 2018.
2015	5141567576	Low Lift PS Upgrades Phase 2	221,000	144,461	2,500	74,039	66.5%	S. Leitch	STATUS: Work Completed. NEXT STEPS: Account to be closed once final invoices are paid and outstanding purchase orders have been closed.
2015	5141567577	Security - Water PS Facilities	5,600,000	278,998	147,103	5,173,899	7.6%	S. Leitch	STATUS: Work in Progress - Design (Physical Security - Fencing). Tender for Construction Open for Bids (Physical Security - Fencing). NEXT STEPS: Award Construction (Physical Security - Fencing) Q3 2018.
2016	5141666110	WTP - Corrosion Control	7,660,000	3,388,660	3,751,996	519,344	93.2%	S. Leitch	STATUS: Work in Progress - Construction. NEXT STEPS: Substantial Performance Q4 2018.
2016	5141666515	WTP - Surge Tower Upgrades	480,000	104,262	13,733	362,006	24.6%	S. Leitch	STATUS: Substantially Performed. NEXT STEPS: Account to be closed once final invoices are paid and outstanding purchase orders have been closed. WIP Fund Projectid 5141666608 by \$500,000 through 2019 Rates Budget.
2016	5141666608	Lynden Additional Water Supply	4,570,000	461,658	415,163	3,693,179	19.2%	S. Leitch	STATUS: Work in Progress - Design. NEXT STEPS: 2nd attempt - Request for Prequalified Contractors for Construction Q3 2018.
2016	5141667420	Ben Nevis & Dewitt HD08A WPS	2,590,000	181,495	442,006	1,966,499	24.1%	S. Leitch	STATUS: Work in Progress - Design. NEXT STEPS: Request for Prequalified Contractors Q3 2018.
2016	5141667421	Glancaster & Hwy 53 HD018 WPS	6,040,000	5,107	-	6,034,893	0.1%	S. Leitch	STATUS: Awaiting completion of the PD18 Ancaster Tower EA and Land Purchase. NEXT STEPS: Issue Project Charter Q1 2019.
2016	5141667422	Osler Road HD011 WPS	2,289,000	241,515	367,010	1,680,475	26.6%	S. Leitch	STATUS: Work in Progress - Design (3 Contractors Prequalified for Construction). Tender for Construction (Open for Bids). NEXT STEPS: Award Construction Contract Q3 2018.
2016	5141667424	Freelton Tower HDT03 Upgrades	3,600,000	732,859	1,572,914	1,294,227	64.0%	S. Leitch	STATUS: Work in Progress - Construction. NEXT STEPS: Substantial Performance Q4 2018.
2016	5141695883	York & Valley HD016 WPS (W-26)	3,710,000	58,671	-	3,651,329	1.6%	S. Leitch	STATUS: Work Completed - Conceptual Review. NEXT STEPS: Request for Proposals for Design Q3 2018.
2017	5141766421	WTP Fluoride Building HVAC	690,000	6,995	-	683,005	1.0%	S. Leitch	STATUS: Work in Progress - Conducting an independent Air Quality Study first to determine if any Capital Upgrades are required. NEXT STEPS: Completion Q4 2018.
2017	5141767420	Carlisle Well Stn Sys Enhance	940,000	18,843	-	921,157	2.0%	S. Leitch	STATUS: Work in Progress - Scope Verification. NEXT STEPS: Request for Proposals for Design Q3 2018.

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2017	5141767650	New Greenville Communal Well	500,000	55,346	37,671	406,983	18.6%	S. Leitch	STATUS: Awaiting completion of Schedule C EA for the Greenville New Well. NEXT STEPS: Issue Project Charter Q3 2019.

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2017	5141795850	Greenhill PS HD04B & HD05A	8,270,000	107,542	81,400	8,081,058	2.3%	S. Leitch	STATUS: Work in Progress - Design (Immediate Needs). NEXT STEPS: Request for Prequalified Contractors for Construction (Immediate Needs) Q3 2018.
2018	5141867651	HD007 Highland Rd Reservoir	260,000	-	-	260,000	0.0%	S. Leitch	NEXT STEPS: Issue Project Charter Q1 2019.

Sub-Total Capital Delivery - Water **144,067,000** **70,729,987** **11,173,826** **62,163,186** **56.9%**

Wastewater - Rates

2007	5160795760	Southcote PS&Forcemain-HC008	5,512,100	2,943,828	210,145	2,358,127	57.2%	S. Leitch	STATUS: Work Completed (Forcemain & Pumping Station). NEXT STEPS: Account to be closed once final invoices are paid and outstanding purchase orders have been closed Q3 2018.
2007	5160795784	Twenty PS & Forcemain - HC018	4,770,000	4,606,542	389,565	(226,106)	104.7%	S. Leitch	STATUS: Work Completed (Forcemain & Pumping Station). NEXT STEP: Account to be closed once final invoices are paid and outstanding purchase orders have been closed Q3 2018. Negative balance due to staffing allocation.
2009	5160966912	Decommission Waterdown WWTP-WW08	6,000,000	682,634	88,580	5,228,786	12.9%	S. Leitch	STATUS: Work in Progress - Design (7 Contractors Prequalified for Construction). NEXT STEPS: Tender for Construction Q3 2018.
2010	5161066065	Waste Hauler Receiving Station	2,789,800	548,462	117,629	2,123,709	23.9%	S. Leitch	STATUS: Work in Progress - Awarding Construction Tender (Bestco Construction). NEXT STEPS: Substantial Performance Q1 2019.
2010	5161067751	WW Outstns-Asset Management	710,000	804,338	161,914	(256,252)	136.1%	S. Leitch	STATUS: Work Completed (HC019 & HC031 Carbon Filters). NEXT STEPS: Account to be closed once final invoices are paid and purchase orders have been closed Q3 2018.
2012	5161261240	WSI-Leeds-Burl E Gate Removal	300,000	265,772	-	34,228	88.6%	S. Leitch	STATUS: Work Completed - Design. NEXT STEPS: City's Linear (Roads) Infrastructure improvements program to coordinate Construction in 2022. Account to be closed.
2012	5161266213	Dundas WWTP Improvements	1,420,200	423,655	-	996,545	29.8%	S. Leitch	STATUS: On Hold - Exploring Funding Opportunities. Work Completed - Feasibility Study to extend the Dundas WWTP outfall & Preliminary Asset Replacement Study for Future Use of the Dundas WWTP. NEXT STEPS: Process Technology Pilot Study.
2012	5161267270	Ancaster WW Outstations	6,310,000	3,386,050	869,580	2,054,370	67.4%	S. Leitch	STATUS: Work in Progress - Construction (HC009, HC013) & Design (HC005). NEXT STEPS: Substantial Performance Q3 2018 (HC009, HC013) & Request for Prequalified Contractors Q3 2018 (HC005).
2012	5161267273	Dundas WW Outstations	2,730,000	1,128,332	157,216	1,444,451	47.1%	S. Leitch	STATUS: Work in Progress - Construction (DC005, DC006). NEXT STEPS: Substantial Performance Q3 2018 (DC005, DC006). Request for Proposals for Design (DC010) Q3 2018.
2013	5161367360	Cormorant & Osprey (HC014)	4,610,000	3,600,668	854,672	154,660	96.6%	S. Leitch	STATUS: Work in Progress - Construction. NEXT STEPS: Substantial Performance Q3 2018.

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2013	5161367374	Waterdown Outstation Upgrades	3,420,000	3,215,121	135,415	69,464	98.0%	S. Leitch	STATUS: Substantially Performed (DC013, FC003). NEXT STEPS : Account to be closed once deficiencies and finishing work have been completed Q3 2018.
2014	5161467756	Greenhill & Cochrane HCS01	1,990,000	203,083	-	1,786,917	10.2%	S. Leitch	STATUS: Work Completed - Life Cycle Analysis. NEXT STEPS: Issue Project Charter Q3 2018.
2015	5161595858	Benbrook PS Upgrade (WW-20)	6,280,000	915,973	3,902,323	1,461,703	76.7%	S. Leitch	STATUS: Work in Progress - Construction. NEXT STEPS: Substantial Performance Q3 2019.

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2016	5161667622	FC001 DC009 HC011 Upgrades	2,140,000	92,150	116,318	1,931,532	9.7%	S. Leitch	STATUS: Work in Progress - Design (FC001, DC009). NEXT STEPS: Request for Prequalified Contractors for Construction Q3 2018 (FC001, DC009). Issue Project Charter Q3 2018 (HC011).
2017	5161766421	WWTP Methane Sphere Upgrades	4,400,000	3,060,455	949,969	389,576	91.1%	S. Leitch	STATUS: Work in Progress - Construction. NEXT STEPS: Substantial Performance Q3 2018.
2017	5161767420	Parkdale Av HC001 WW Statn Upg	660,000	-	-	660,000	0.0%	S. Leitch	NEXT STEPS: Issue Project Charter Q3 2018.
2017	5161796786	First Street PS Upgrade DC014	3,450,000	26,952	616,646	2,806,402	18.7%	S. Leitch	STATUS: Work in Progress - Design. NEXT STEPS: Request for Prequalified Contractors for Construction Q4 2018.
2020	5162068851	Pier 25 Dredging - Windermere	170,000	-	-	170,000	0.0%	S. Leitch	NEXT STEPS: Award Feasibility Study Q4 2018.
<u>Sub-Total Capital Delivery - Wastewater</u>			57,662,100	25,904,017	8,569,971	23,188,112	59.8%		
<u>TOTAL CAPITAL DELIVERY SECTION</u>			201,729,100	96,634,004	19,743,797	85,351,298	57.7%		

INFRASTRUCTURE PLANNING & SYSTEMS DESIGN

Water - Rates

2009	5140995956	Water Distribution Model	150,000	166,576	700	(17,276)	111.5%	B. Posedowski	STATUS: Work in Progress - WaterCad Model Review and Identification of Data Gaps. NEXT STEPS: Completion Q3 2018. Account to be closed after O/S PO Commitments have been moved to 5141895956.
2013	5141395354	PD18 Elevated Reservoir W14	2,610,000	342,580	28,152	2,239,267	14.2%	B. Posedowski	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.
2014	5141495551	PD7 Elevated Reservoir W-23	1,990,000	71,847	72,958	1,845,195	7.3%	B. Posedowski	STATUS: Work in Progress - EA & Conceptual Design of PD7 Elevated Tower / Reservoir & New Pumping Station. NEXT STEPS: EA Completion Q4 2018.
2015	5141564533	Up Wentworth - Hydro to Twenty	200,000	12,638	-	187,362	6.3%	B. Posedowski	STAUS: On Hold. NEXT STEPS: City Wide Water and Wastewater Master Plan will dictate whether this is required
2015	5141567273	HD17A PS Replace Decommission	1,930,000	4,047	-	1,925,953	0.2%	B. Posedowski	NEXT STEPS: Issue Project Charter Q4 2018.
2015	5141595553	HD12A PS Upgrades (W-04)	720,000	139,812	56,587	523,601	27.3%	B. Posedowski	STATUS: Work Completed - Land Acquisition. Work in Progress - Phase One & Two Environmental Site Assessment (ESA) & pre-demolition Designated Substances / Hazardous Materials Survey. NEXT STEPS: Completion of EA Q4 2018.
2015	5141555010	Water Systems Planning	450,000	280,769	140,941	28,291	93.7%	B. Posedowski	STATUS: Work in Progress - Servicing alternatives for Ancaster, Screening of Development Applications, Pressure District Boundary Condition Characterization. NEXT STEPS: Completion Q4 2018.

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2015	5141555264	City-Wide Water MP	550,000	61,557	499,252	(10,809)	102.0%	B. Posedowski	STATUS: Work in Progress - Citywide Water Wastewater Storm Master Plan. NEXT STEPS: Completion Q2 2020.

Sub-Total Infrastructure Planning & Systems Design - Water

2007	5160755640	Non-trunk Flow Monitoring	500,000	114,300	398,089	(12,389)	102.5%	B. Posedowski	STATUS: Work Complete - Design of Wet Weather Control. NEXT STEPS: Completion of Conceptual Design Q1 2018. Negative balance due to unanticipated tax changes.
2008	5160867751	WW Outstns - Asset Management	2,655,000	1,259,838	1,458,338	(63,176)	102.4%	B. Posedowski	STATUS: Work Complete - Design of Wet Weather Control. NEXT STEPS: Completion of Conceptual Design Q1 2018. Negative balance due to unanticipated tax changes.
2014	5161455420	SERG - Flooding & Drainage MP	555,000	165,309	302,526	87,165	84.3%	B. Posedowski	STATUS: Work in Progress - Flooding and Drainage Master Plan. NEXT STEP: Completion Q3 2018.
2015	5161555264	City-Wide Wastewater MP	550,000	420,950	145,262	(16,213)	102.9%	B. Posedowski	STATUS: Work in Progress - Citywide Water Wastewater Storm Master Plan. NEXT STEPS: Completion Q2 2020.
2015	5161555640	Non-Trunk Flow Monitoring	440,000	372,590	158,968	(91,559)	120.8%	B. Posedowski	STATUS: Citywide Sanitary Service Flow Monitoring, Rain Gauges Flow Monitoring Services. NEXT STEPS: Completion Q1 2020.
2015	5161555955	Inflow & Infiltration	474,000	360,598	98,803	14,599	96.9%	B. Posedowski	STATUS: Work in Progress - HC058 Capacity Analysis and Wet Weather Relief Class EA, West Mountain Flow Monitoring & West 18th, Riverdale East Flooding. NEXT STEPS: Completion Q4 2018.
2015	5161557545	Wastewater Computer Model	550,000	122,863	379,347	47,790	91.3%	B. Posedowski	STATUS: Work in Progress - Rain Gauges Flow Monitoring Services, Hydrologic-hydraulic model for the storm sewer systems of Phase 1 Hamilton Mountain Areas (Ancaster). NEXT STEPS: Completion Q4 2019.

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2015	5161567564	HC005 - Schedule C EA	990,000	227,461	151,384	611,156	38.3%	B. Posedowski	STATUS: Work in Progress - Emergency Overflow Schedule C Municipal Class EA. NEXT STEPS: EA Completion Q4 2018. Detailed Design to follow.

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2016	5161655010	Wastewater Systems Planning	300,000	278,153	61,261	(39,414)	113.1%	B. Posedowski	STATUS: Work in Progress - Main/King CSO tank performance review. NEXT STEPS: Completion Q4 2018.
2016	5161655350	Riverdale Flood Relief EA	220,000	4,247	-	215,753	1.9%	B. Posedowski	STATUS: Work Completed. NEXT STEPS: Account to be closed.
2016	5161655351	Lawfield & Berrisfield Area	185,000	223,536	-	(38,536)	120.8%	B. Posedowski	STATUS: Work Completed - Smoke Testing, Manhole Inspection, Conceptual Design of Neighbourhood I/I Reduction. NEXT STEPS: Consultation with HW Sr Management to decide which solution to pursue. Community Outreach and Education to follow.
2016	5161661434	Upsize Wilson Street Forcemain	100,000	4,875	-	95,125	4.9%	B. Posedowski	NEXT STEPS: Issue Project Charter Q4 2018.
2016	5161667421	New Haulage Receiving Station	1,140,000	108,997	117,219	913,784	19.8%	B. Posedowski	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	-	1,525,721	7.5%	B. Posedowski	STATUS: Scope and timing to be confirmed in Citywide Master Plan. NEXT STEPS: Detailed Design by Engineering Services to follow.
2016	5161696452	AEGD - Dickenson Rd FM & Sewer	2,750,000	298,230	5,025	2,446,745	11.0%	B. Posedowski	STATUS: Work Completed - Economic Analysis and Feasibility study to support the Conceptual Design Implementation. NEXT STEPS: Detailed Design.
2017	5161755010	Wastewater System Planning	300,000	338,685	134,267	(172,952)	157.7%	B. Posedowski	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. Negative balance due to internal staffing chargebacks.
2017	5161755640	Non-Trunk Flow Monitoring	100,000	10,003	78,365	11,632	88.4%	B. Posedowski	STATUS: Citywide Sanitary Service Flow Monitoring. NEXT STEPS: Completion Q1 2020.
2017	5161755955	Inflow & Infiltration	300,000	179,016	-	120,984	59.7%	B. Posedowski	NEXT STEPS: Construction of I & I Reduction (West 18th Neighbourhood) Q4 2018.
2017	5161757420	SCADA Rain Gauges	50,000	-	-	50,000	0.0%	B. Posedowski	NEXT STEPS: Issue Project Charter Q4 2018.
2018	5161855010	Wastewater Systems Planning	300,000	7,612	49,460	242,928	19.0%	B. Posedowski	Ongoing - work in progress
2018	5161855640	Flow Monitoring Program	50,000	-	-	50,000	0.0%	B. Posedowski	Ongoing - work in progress
2018	5161855777	LRT Corridor - Wastewater	220,000	-	-	220,000	0.0%	B. Posedowski	Ongoing - work in progress
2018	5161857545	Wastewater Computer Model	280,000	-	166,625	113,375	59.5%	B. Posedowski	Ongoing - work in progress
<u>Sub-Total Infrastructure Planning & Systems Design - Wastewater</u>			14,659,000	4,621,541	3,704,939	6,332,520	56.8%		

Storm water - Rates

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2012	5181260214	Parkside and Kipling Flood	1,500,000	327,536	-	1,172,464	21.8%	B. Posedowski	STATUS: Work Completed - Modeling and Flood Protection (Churchill Park Neighbourhood area). NEXT STEPS: Account to be closed once final invoices are paid and outstanding purchase orders are closed.
2012	5181260216	Golf Course SWMP Rosedale	2,570,000	474,079	59,359	2,036,562	20.8%	B. Posedowski	STATUS: Work in Progress - Enhanced Functional Design and Topographic Survey. NEXT STEPS: Completion of Enhanced Functional Design Q1 2018. Detailed Design to follow.

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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 June 30, 2018
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2012	5181274800	Watercourse 5 and 6	3,850,000	375,860	35,286	3,438,854	10.7%	B. Posedowski	STATUS: Work in Progress - Flood plain mapping and hydrologic analysis to update SCUBE reports, Hydraulics Assessment and Class EA Work Plan. NEXT STEPS: EA Completion Q1 2018. Detailed Design to follow.
2013	5181355350	SERG Studies & Assessments	740,000	480,193	71,822	187,985	74.6%	B. Posedowski	STATUS: Work in Progress - Construction of Low Impact Development Bumpout (Bay and Simcoe), Beach Strip Flooding Study. NEXT STEPS: Completion Q2 2018.
2014	5181455420	SERG - Flooding & Drainage MP	645,000	13,553	453,434	178,014	72.4%	B. Posedowski	STATUS: Work in Progress - Flooding and Drainage Master Plan. NEXT STEP: Completion Q3 2018.
2015	5181555422	GRIDS II - Stormwater MP	550,000	57,750	499,252	(7,002)	101.3%	B. Posedowski	STATUS: Work in Progress - Citywide Water Wastewater Storm Master Plan. NEXT STEPS: Completion Q2 2020.
2015	5181562590	SWMP Retrofits	660,000	-	-	660,000	0.0%	B. Posedowski	NEXT STEPS : Issue Project Charter for the Analysis & Conceptual Design - Stormwater Management Pond Retrofits (Ponds # 67, 9, 54, 52, 35, 14) Q1 2018.
2016	5181655075	SERG - Watershed Proj Coord	500,000	144,550	153,339	202,110	59.6%	B. Posedowski	STATUS: Work in Progress - 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	26,619	28,630	224,751	19.7%	B. Posedowski	STATUS: Work in Progress - Analysis & Conceptual Design of Rymal Road stormwater drainage, Storm Sewer Capacity Analysis throughout the City. NEXT STEPS: Completion Q4 2018.
2017	5181755420	Stormwater Drainage Review	280,000	8,654	241,426	29,920	89.3%	B. Posedowski	STATUS: Work in Progress - Detailed Drainage Assessment Study (Phase 2) - Development of Existing Residential (ER) Neighbourhoods in Rural Ancaster. NEXT STEPS: Completion Q1 2019.
2017	5181755421	SERG - SW System Planning	280,000	36,879	32,337	210,785	24.7%	B. Posedowski	STATUS: Wilson Street Stormwater Drainage Plan. NEXT STEPS: City-wide Stormwater Infrastructure Field Verification & GIS Database Update for Modelling Q2 2018.
2018	5181823155	SERG - Dundas Drainage Upgrade	60,000	-	-	60,000	0.0%	B. Posedowski	Ongoing - work in progress
2018	5181872295	SERG - LEEDS Implementation	440,000	13,228	-	426,772	3.0%	B. Posedowski	Ongoing - work in progress
<u>Sub-Total Infrastructure Planning & Systems Design - Storm water</u>			12,355,000	1,958,901	1,574,884	8,821,215	28.6%		
<u>TOTAL INFRASTRUCTURE PLANNING & SYSTEMS DESIGN SECTION</u>			40,584,000	8,313,666	6,173,677	26,096,658	35.7%		

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2005	5140566508	Lynden Water Supply – Land&EA	1,790,000	2,048,130	5,179	(263,309)	114.7%	B. Posedowski	STATUS: Final Well has been flow tested with positive quality and quantity results. Hydrogeology report and PIC complete. NEXT STEPS: Account to be closed once final invoices have been paid and outstanding purchase orders have been closed.

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2011	5141167150	Greensville New Well – EA	720,000	1,327,085	37,154	(644,239)	189.5%	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	319,970	130,910	259,120	63.5%	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	176,419	30,546	(96,965)	188.1%	B. Posedowski	STATUS: Field work and communications to residents concerning home meter replacement complete. Work in Progress - Final Report. NEXT STEPS: Completion Q4 2018.
2016	5141667423	Freelton Well FDF01 Capacity	1,430,000	166,009	113,470	1,150,521	19.5%	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 2018.
2017	5141767752	WW Outstation Inspection - AM	550,000	170,402	264,089	115,509	79.0%	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.
2018	5141867752	Water Outstation Inspections	660,000	58,494	65,003	536,503	18.7%	B. Posedowski	Ongoing - work in progress
2018	5141895852	Carlisle Additnl Water Storage	440,000	-	-	440,000	0.0%	B. Posedowski	Ongoing - work in progress
<u>Sub-Total Sustainable Initiatives - Water</u>			6,410,000	4,266,509	646,351	1,497,140	76.6%		
Wastewater - Rates									
2013	5161367752	WW Outstation Inspection - AM	645,000	137,333	547,531	(39,864)	106.2%	B. Posedowski	STATUS: Work in Progress - Design for Facility Asset Management Program. Condition Assessment (HC017 Eastport SPS). NEXT STEPS: Completion Q3 2019.
2017	5161767752	WW Outstn Insp -Asset Mgm Prog	220,000	53,593	13,591	152,816	30.5%	B. Posedowski	STATUS: Energy Audit of HW facilities (Phase II). NEXT STEPS: Completion Q4 2018.
2018	5161867752	Wastewater Outstation Inspect	520,000	38,548	34,879	446,573	14.1%	B. Posedowski	Ongoing - work in progress
<u>Sub-Total Sustainable Initiatives - Wastewater</u>			1,385,000	229,475	596,001	559,524	59.6%		
<u>TOTAL SUSTAINABLE INITIATIVES SECTION</u>			7,795,000	4,495,983	1,242,352	2,056,664	73.6%		

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WOODWARD UPGRADES SECTION

Wastewater - Rates

2008	5160866801*	Woodward WWTP - Clean Harbour	378,731,649	53,428,412	173,091,237	152,212,000	59.8%	D. Chauvin	STATUS: GIF Funded. \$256M future budgets approved (cash flowed 2019 - 2021). Work in Progress - Construction (Raw Wastewater Pumping Station, Electrical System). Pre-Purchased Equipment (Tertiary). NEXT STEPS: Tender for Construction (Tertiary Q3 2018).
2009	5160966910	WWTP - Biosolids MP Implement	10,220,000	4,020,532	4,858,399	1,341,069	86.9%	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	3,109,667	-	170,333	94.8%	D. Chauvin	STATUS: Work Completed. NEXT STEPS: Account to be closed.
2015	5161555545	Capital Works Information Mgmt	280,000	-	-	280,000	0.0%	D. Chauvin	STATUS: Work in Progress - Project Management Office / IT Business Intelligence Collaborative Project (Phase 1 - Automate Existing PMO Reporting System using internal Resources). NEXT STEPS: Phase 2 Dashboard and Power BI Q1 2019.

Sub-Total Woodward Upgrades - Wastewater392,511,64960,558,611177,949,636154,003,40260.8%

TOTAL WOODWARD UPGRADES SECTION392,511,64960,558,611177,949,636154,003,40260.8%

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

PLANT MAINTENANCE AND TECHNICAL SERVICES SECTION

Water - Rates

2011	5141166151	SCADA Master Plan Implement	15,580,000	11,975,642	806,911	2,797,447	82.0%	G. Botha	STATUS: Work in Progress. NEXT STEPS: Account to be closed once final invoices have been paid and outstanding purchase orders have been closed. WIP Fund Projectid 5141966151 by \$2,500,000 through 2019 Rates Budget.
2015	5141566711	Annual Water Treatment Studies	250,000	50,906	5,475	193,619	22.6%	G. Botha	STATUS: Work in Progress - PO Contractor H&S Program Review / Audit. NEXT STEPS: Arc Flash Study in Outstations, Chlorine to Ammonia ratio and Chlorine residual on valve gasket seals (Q4 2018).
2016	5141666713	Annual Water Maintenance	600,000	495,678	60,731	43,590	92.7%	G. Botha	STATUS: Work in Progress - Construction (Woodward WWTP Staff Building Renovations, Installation of new valve at the Lee Smith Reservoir, Integration of the Stormwater PS HSS01). NEXT STEPS: Completion Q4 2018.
2017	5141766711	Annual Water Treatment Studies	250,000	79,504	26,996	143,500	42.6%	G. Botha	STATUS: Work in Progress - Condition Assessment (Chlorine Chemical Building), Assessment of current CT calculations. NEXT STEPS: Completion Q4 2018.

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2017	5141766713	Annual Water Maintenance	2,500,000	97,834	223,628	2,178,538	12.9%	G. Botha	STATUS: Work in Progress. NEXT STEPS: Completion Q4 2019.

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2018	5141866350	WTP Lighting Upgrade	200,000	-	-	200,000	0.0%	G. Botha	Ongoing - work in progress
2018	5141866713	Annual Water Maintenance	1,500,000	60,690	15,410	1,423,900	5.1%	G. Botha	Ongoing - work in progress
<u>Sub-Total Plant Maintenance & Technical Services - Water</u>			20,880,000	12,760,254	1,139,152	6,980,594	66.6%		

Wastewater - Rates

2011	5161166151	SCADA Master Plan Implement	15,875,000	13,638,915	372,232	1,863,853	88.3%	G. Botha	STATUS: Work in Progress. NEXT STEPS: Account to be closed once final invoices have been paid and outstanding purchase orders have been closed. WIP Fund Projectid 5161966151 by \$1,500,000 through 2019 Rates Budget.
2017	5161766713	Wastewater Maintenance Capital	3,000,000	1,746,220	1,148,048	105,731	96.5%	G. Botha	STATUS: Work in Progress. NEXT STEPS: Completion Q4 2019.
2017	5161766745	Woodward WWTP-Oper Readiness	4,875,000	49,295	65,286	4,760,419	2.4%	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 Q3 2018.
2018	5161866350	Woodward WWTP Lighting Upgrade	690,000	-	33,396	656,604	4.8%	G. Botha	Ongoing - work in progress
2018	5161866511	Woodward WWTP - Digester #4	5,500,000	-	-	5,500,000	0.0%	G. Botha	Ongoing - work in progress
2018	5161866713	Wastewater Maintenance Capital	4,750,000	-	99,920	4,650,080	2.1%	G. Botha	Ongoing - work in progress
<u>Sub-Total Plant Maintenance & Technical Services - WasteWater</u>			34,690,000	15,434,431	1,718,882	17,536,687	49.4%		
<u>TOTAL PLANT MAINTENANCE & TECHNICAL SERVICES SECTION</u>			55,570,000	28,194,685	2,858,033	24,517,282	55.9%		

WATER & WASTEWATER PLANNING AND CAPITAL SECTION

Corporate Project Program - Tax

2009	2110953900	Randle Reef Rehab Project	6,875,000	6,222,735	1,900,000	(1,247,735)	118.1%	M. Bainbridge	STATUS: Cash Flow Budget approved by Finance. Work in Progress - Construction (Contract 1 & 2). NEXT STEPS: Substantial Performance Q3 2018 (Contract 1) & Q4 2019 (Contract 2). Tendering Stage 3 planned for 2019.
<u>Sub-Total Water & Wastewater Planning & Capital - Corporate Project Program</u>			6,875,000	6,222,735	1,900,000	(1,247,735)	118.1%		

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Wastewater - Rates									
2014	5161468422	Randle Reef Sediment Remediate	4,550,000	4,000,000	2,000,000	(1,450,000)	131.9%	M. Bainbridge	STATUS: Cash Flow Budget approved by Finance. Work in Progress - Construction (Contract 1 & 2). NEXT STEPS: Substantial Performance Q3 2018 (Contract 1) & Q4 2019 (Contract 2). Tendering Stage 3 planned for 2019.
<u>Sub-Total Water & Wastewater Planning & Capital - Wastewater</u>			4,550,000	4,000,000	2,000,000	(1,450,000)	131.9%		
<u>TOTAL WATER & WASTEWATER PLANNING AND CAPITAL SECTION</u>			11,425,000	10,222,735	3,900,000	(2,697,735)	123.6%		
<u>HAMILTON WATER & WASTEWATER- DIRECTOR</u>									
<u>Water - Rates</u>									
2015	5141557543	Workforce & Time Mgmt-Kronos	430,000	398,579	11,020	20,401	95.3%	A. Grice	STATUS: Work Completed. NEXT STEPS: Account to be closed once final invoices are paid and outstanding purchase orders have been closed.
2016	5141641226	Centralized W-WW Ops Centre	1,250,000	-	-	1,250,000	0.0%	A. Grice	NEXT STEPS: Evaluate yard options which includes an analysis of site requirements and potential locations.
<u>Sub-Total - Water</u>			430,000	398,579	11,020	20,401	95.3%		
<u>Wastewater - Rates</u>									
2016	5161641226	Centralized W-WW Ops Centre	1,250,000	-	-	1,250,000	0.0%	A. Grice	NEXT STEPS: Evaluate yard options which includes an analysis of site requirements and potential locations.
<u>Sub-Total Roads - Wastewater</u>			1,250,000	0	0	1,250,000	0.0%		
<u>TOTAL HAMILTON WATER & WASTEWATER DIRECTOR SECTION</u>			1,680,000	398,579	11,020	1,270,401	24.4%		
<u>WATER & WASTEWATER ENGINEERING SERVICES SECTION</u>									
<u>Water - Engineering Services</u>									
2013	5141396351	Garner Watermain Trunk W09	530,000	171,795	-	358,205	32.4%	E. Waite	Project has been moved to 2021 as per Master Plan timing.
2013	5141371301	WM Replace Program - Coordinated with Roads - 2013	11,310,000	10,754,882	182,615	372,503	96.7%	M. Oddi / P. McNab	Construction complete. Awaiting billing from CN. \$350k surplus at this time.
2014	5141455425	Concrete Pipe Condition Assessment	2,230,000	1,357,816	392,028	480,155	78.5%	E. Waite	Assessment works delayed due to other works impacting the water network. 2018 and proposed 2019 budget to be utilised by year end 2019.

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2014	5141461300	Wm Replacement Program - 2014	1,160,000	450,959	-	709,041	38.9%	M. Oddi/ P. McNab	\$580k surplus is being used to WIP fund Brampton - Parkdale to Strathearne which has been rebudgeted in 2019. \$120k surplus being used to WIP fund 2019 Watermain Lining Program (5141960072). All projects complete.
2015	5141555501	Ferguson Pumpstation to Scenic Reservoir Trunk Main Inspection	1,150,000	1,024,707	94,470	30,823	97.3%	E. Waite	Complete - Close once commitments are paid/cleared
2015	5141596558	Greenhill Feedermain - King to Greenhill Tank	5,700,000	5,168,552	146,063	385,384	93.2%	M. Oddi	Complete - Close once commitments are paid/cleared. \$385k surplus at this time.
2015	5141596152	PD11 (Governor's Rd) Extend	1,120,000	104,004	-	1,015,996	9.3%	S. Jacob	Construction 2018/19
2015	5141596153	PD22 (Governor's Rd) Extend	900,000	73,303	-	826,697	8.1%	S. Jacob	Construction 2018/19
2015	5141596550	Stone Church Feedermain (W-24)	25,300,000	2,120,213	145,806	23,033,981	9.0%	S. Jacob	Functional design ongoing
2015	5141571301	WM Replace Program - Coordinated with Roads - 2015	14,667,000	13,092,465	1,375,965	198,570	98.6%	M. Oddi / P. McNab	Rymal - Garth to West 5th - construction ongoing. Surplus unknown at this time.
2016	5141660999	Closed Projects - Water	218,000	50,309	169,019	(1,329)	100.6%	M. Oddi / P. McNab	This project is primarily used to hold the contingency lines of purchase orders for several completed works until the maintenance period has expired. This allows for the closure all of the original project ID. % spent is dependent on maintenance required.
2016	5141670000	Coordinated Road and Subsurface Works - 2016	3,531,000	2,870,077	261,480	399,443	88.7%	M. Oddi / P. McNab	\$250k surplus being used to WIP fund 2019 Watermain Lining Program (5141960072). 6 of 6 project awarded. Construction ongoing.
2016	5141657626	Critical WM Inspection Program - 2016	299,000	171,948	68,671	58,381	80.5%	E. Waite	\$50k being used to WIP fund 2019 Watermain Lining Program (5141960072). Project can be closed once commitments are paid/cleared.
2016	5141662073	Field Data Systems Program - 2016	169,380	89,766	38,058	41,556	75.5%	I. Szczepanik	Anticipate 100% spent by Q1 2019.
2016	5141671301	WM Replace Program - Coordinated with Roads - 2016	4,428,000	4,074,449	353,185	365	100.0%	M. Oddi / P. McNab	Complete - pending final review/audit/payment
2016	5141661300	WM Replacement Program - 2016	700,000	656,531	10,001	33,468	95.2%	M. Oddi / P. McNab	Complete - Close once commitments are paid/cleared. \$33k surplus at this time.
2017	5141761777	Beach Trunkmain Rehab	5,000,000	585,438	-	4,414,562	11.7%	E. Waite	Project delayed to Q1 2019 due to water network requirements.
2017	5141771074	Contingency for Unscheduled Works Program - 2017	200,000	143,984	-	56,016	72.0%	E. Waite	\$50k being used to WIP fund 2019 program and then this project can be closed.
2017	5141770000	Coordinated Road and Subsurface Works - 2017	3,000,000	2,550,565	378,183	71,251	97.6%	M. Oddi / P. McNab	4 of 4 project awarded. Construction ongoing. Surplus approximately \$71k at this time.

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2017	5141757626	Critical WM Inspection Program - 2017	330,000	38,639	-	291,361	11.7%	E. Waite	Ongoing work in progress. Claim for CWWF funding underway.
2017	5141760754	Kenilworth Transmission Watermain Renewal	2,400,000	369,081	68,041	1,962,877	18.2%	E. Waite	Ongoing - work in progress. To be tendered Q4 2018 for 2019 construction.

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2017	5141760577	Metallic Watermain Condition Assessment Program - 2017	685,000	516,383	162,675	5,942	99.1%	E. Waite	Complete. Claim for CWWF funding underway.
2017	5141757628	Mountain Feedermain	340,000	39,810	300,000	190	99.9%	E. Waite	Complete - Close once commitments are paid/cleared
2017	5141749555	QA-QC Service Contract - 2017	110,000	80,525	2,699	26,775	75.7%	E. Waite	Ongoing - work in progress
2017	5141711101	Road Restoration Program - 2017	5,400,000	4,702,207	673,280	24,512	99.5%	D. Lamont	Complete - pending final review/audit/payment
2017	5141760072	Structural WM Lining Program - 2017	7,291,000	7,291,000	-	-	100.0%	E. Waite	Close after year end reporting. CWWF funded.
2017	5141771740	Upper Sherman - Rymal to Stone	1,590,000	1,254,838	56,785	278,377	82.5%	M. Oddi	Complete - pending final review/audit/payment
2017	5141760080	Valve Replacement - 2017	1,760,000	1,388,908	151,291	219,801	87.5%	E. Waite	\$200k surplus being used to WIP fund 2019 Valve Replacement program (5141960080) and then this project can be closed once commitments are paid/cleared.
2017	5141771301	WM Replace Program - Coordinated with Roads - 2017	2,815,000	2,498,745	119,444	196,811	93.0%	M. Oddi / P. McNab	3 of 4 projects awarded. Remaining one transferred to Waterfront.
2017	5141761300	WM Replacement Program - 2017	1,630,000	1,090,852	-	539,148	66.9%	E. Waite	1 of 3 projects awarded. Burlington Trunkmain Repairs in 2019 and James and Charlton Intersection rebudgeted in 2024 due to LRT.
2018	5141871074	Contingency for Unscheduled Works Program - 2018	100,000	12,025	-	87,975	12.0%	E. Waite	% spent dependent on # of unscheduled works.
2018	5141870000	Coordinated Road and Subsurface Works - 2018	4,340,000	1,217,832	2,294,971	827,197	80.9%	M. Oddi / P. McNab	4 of 5 project awarded. One project moved to Waterfront and duplicated in error. Construction ongoing.
2018	5141857626	Critical WM Inspection Program - 2018	330,000	39,683	21,775	268,542	18.6%	E. Waite	Ongoing - work in progress. 2019 budget has been reduced to zero to use up these funds.
2018	5141857627	Fennell Trunkmain Inspection	715,000	84,176	619,000	11,824	98.3%	E. Waite	Required funds are committed to the appropriate PO. Surplus can be used elsewhere.
2018	5141855556	Mapping Update - 2018	40,000	4,810	-	35,190	12.0%	D. Lamont	Ongoing - work in progress. Anticipated 100% spent/committed by year end 2018.
2018	5141860577	Metallic Watermain Condition Assessment Program - 2018	700,000	93,849	420,698	185,454	73.5%	E. Waite	Complete. Claim for CWWF funding underway.
2018	5141860711	PW Capital Water Consumption Program - 2018	200,000	26,127	-	173,873	13.1%	E. Waite	Ongoing - work in progress
2018	5141849555	QA-QC Service Contract - 2018	110,000	13,228	75,270	21,502	80.5%	E. Waite	Ongoing - work in progress
2018	5141811101	Road Restoration Program - 2018	5,400,000	537,331	3,608,551	1,254,119	76.8%	D. Lamont	Ongoing - work in progress

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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 June 30, 2018
			a	b	c	d	e		
2018	5141857628	Saltfleet Trunkmain Inspection	565,000	66,139	490,000	8,861	98.4%	E. Waite	Ongoing - work in progress. Claim for CWWF funding underway.

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			a	b	c	d	e		
2018	5141860072	Structural WM Lining Program - 2018	7,320,000	3,291,143	3,964,558	64,299	99.1%	E. Waite	Ongoing - work in progress
2018	5141860080	Valve Replacement - 2018	1,000,000	120,680	-	879,320	12.1%	E. Waite	Ongoing - work in progress
2018	5141871301	WM Replace Program - Coordinated with Roads - 2018	5,219,000	2,442,231	2,013,058	763,711	85.4%	M. Oddi / P. McNab	\$500k surplus being used to WIP fund 2019 Watermain Lining (5141960072). 4 project of 6 awarded. Two projects rebudgeted in 2024 & 2027.
2018	5141861300	Wm Replacement Program - 2018	800,000	96,202	-	703,798	12.0%	E. Waite	Mulberry - Bay to James (2019) & Barton - Queen to Locke (2020)
<u>Sub-Total Water - Engineering Services</u>			132,802,380	72,828,209	18,657,642	41,316,530	68.9%		
<u>WasteWater - Engineering Services</u>									
2007	5160795757	Centennial Trnk Swr-WW14,WW33	84,200,000	71,589,507	11,946,556	663,937	99.2%	M. Oddi	Ongoing - work in progress. Anticipated completion spring/summer of 2019.
2013	5161395358	Hwy 56 Forcemain&Twinning WW21	27,190,000	12,636,338	5,952,637	8,601,025	68.4%	M. Oddi	Ongoing - work in progress. Anticipated completion spring/summer of 2019.
2014	5161461422	Patrick - Walnut to west end	330,000	71,992	19,763	238,245	27.8%	E. Waite	Project delayed to 2024 due to LRT conflicts. \$230K being used to WIP fund 2019 Wastewater Lining program (5161960390) and then this project can be closed once commitments are paid/cleared. Project has been rebudgeted in 2024.
2015	5161560591	Barton St. Trunk Sewer Rehab - Strathearne to Weir	1,290,000	210,138	813,867	265,995	79.4%	E. Waite	Ongoing - work in progress. To be completed by Q2 2019.
2015	5161562542	Binbrook Wastewater System	280,000	257,506	3,211	19,283	93.1%	M. Oddi	Complete - Close once commitments are paid/cleared. \$19k surplus at this time.
2015	5161560999	Closed Projects - WasteWater	119,000	20,092	141,440	(42,532)	135.7%	M. Oddi / P. McNab	This project is primarily used to hold the contingency lines of purchase orders for several completed works until the maintenance period has expired. This allows for the closure all of the original project ID. % spent is dependent on maintenance required.
2015	5161567563	HC005 - Public Properties	1,040,000	126,459	229,692	683,849	34.2%	E. Waite	Ongoing - work in progress
2015	5161567565	HC005 Montgomery Drive - Inline Storage	2,230,000	1,940,392	224,868	64,740	97.1%	M. Oddi	Ongoing construction. Surface asphalt 2018.
2015	5161596855	Royal to Main-King CSO (WW-22)	18,040,000	1,403,668	-	16,636,332	7.8%	S. Jacob	Hold up due to Sammy Metals land, need co-ordination with LRT project. Please re-prioritize this project
2015	5161555077	Zoom Camera Inspection - Data Component	760,000	438,054	167,473	154,474	79.7%	E. Waite	Ongoing - work in progress. To be completed by end of 2020
2016	5161660610	Binbrook Manhole & Sewer Rehab	540,000	86,527	454,490	(1,017)	100.2%	E. Waite	Complete - Close entire PO 80878.

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2016	5161671074	Contingency for Unscheduled Works Program - 2016	520,000	387,903	127,951	4,146	99.2%	E. Waite / P. McNab	Complete - Close once commitments are paid/cleared
2016	5161662073	Field Data Systems Program - 2016	160,110	41,839	77,676	40,596	74.6%	I. Szczepanik	Anticipate 100% spent by Q1 2019.

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			a	b	c	d	e		
2016	5161660575	Mainline Sewer Condition Assessment Program - 2016	600,000	399,758	183,525	16,717	97.2%	E. Waite	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	Complete - Close once commitments are paid/cleared
2017	5161718420	Grindstone Creek Utility Bridge	3,470,000	70,979	294,415	3,104,605	10.5%	E. Waite	Project delayed to 2024 due to other prerequisite transportation projects in Waterdown.
2017	5161760575	Mainline Sewer Condition Assessment Program - 2017	1,330,000	817,963	46,476	465,561	65.0%	E. Waite	Ongoing - Work in progress. Delays due to other works within sewer system.
2017	5161760820	Open Cut Repairs for CIPP Program - 2017	400,000	280,969	116,590	2,441	99.4%	E. Waite	Complete - Close once commitments are paid/cleared
2017	5161749555	QA-QC Service Contract - 2017	110,000	15,637	40,918	53,445	51.4%	E. Waite	Ongoing - work in progress
2017	5161761444	Sewer Lateral Replace/Rehab Program - 2017	4,060,000	4,060,000		-	100.0%	E. Waite	Close after year end reporting. CWWF funded.
2017	5161771015	Sewer Lateral Replacement for Co-ordinated Projects - 2017	300,000	196,585	63,218	40,197	86.6%	E. Waite	Ongoing - work in progress
2017	5161760533	Trenchless Manhole Rehabilitation - 2017	80,000	9,367	70,000	633	99.2%	E. Waite	Complete - Close once commitments are paid/cleared
2017	5161760390	Wastewater System Lining Program - 2017	4,500,000	4,421,470	74,616	3,914	99.9%	E. Waite	Complete - Close once commitments are paid/cleared
2017	5161768240	Western Interceptor Sewer CCTV and Sonar Inspection	1,540,000	372,338	1,152,864	14,798	99.0%	E. Waite	Ongoing - work in progress
2018	5161871074	Contingency for Unscheduled Works Program - 2018	100,000	37,025	-	62,975	37.0%	E. Waite	% spent dependent on # of unscheduled works. Future budgets on hold pending depletion of these funds. Not an annual project.
2018	5161862850	Eastern Interceptor Repair at the WWTP Aeration Tank	2,800,000	336,705	-	2,463,295	12.0%	E. Waite	Ongoing - work in progress. Project delayed due to works at Woodward WWTP. Consulting to be completed in 2019 and Construction to start 2020.
2018	5161855878	Forcemain Condition Assessment Program	300,000	36,076	-	263,924	12.0%	E. Waite	Ongoing - work in progress
2018	5161871842	Locke St Sewer Rehabilitation	2,090,000	251,327	1,844,216	(5,543)	100.3%	E. Waite	Ongoing - Work in progress. To be completed by end of Q2 2019
2018	5161860577	Mainline Sewer Condition Assessment for Compliance & Regulations	110,000	13,228	95,000	1,772	98.4%	E. Waite	Ongoing - work in progress

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			a	b	c	d	e		
2018	5161860575	Mainline Sewer Condition Assessment Program - 2018	1,260,000	691,412	458,429	110,159	91.3%	E. Waite	Ongoing - work in progress

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			a	b	c	d	e		
2018	5161855556	Mapping Update - 2018	40,000	4,810	-	35,190	12.0%	D. Lamont	Ongoing - work in progress. Anticipated 100% spent/committed by year end 2018.
2018	5161872840	Mohawk - Upper Ottawa to Upper Kenilworth	1,000,000	927,170	-	72,830	92.7%	E. Waite	Ongoing - work in progress
2018	5161860820	Open Cut Repairs for CIPP Program - 2018	550,000	135,625	389,889	24,486	95.5%	E. Waite	Ongoing - work in progress
2018	5161860574	Pre-Construction Mainline Condition Assessment	550,000	66,139	-	483,861	12.0%	E. Waite	Ongoing - work in progress
2018	5161860711	PW Capital Water Consumption Program - 2018	150,000	13,168	-	136,832	8.8%	E. Waite	Ongoing - work in progress
2018	5161849555	QA-QC Service Contract - 2018	110,000	13,228	67,183	29,589	73.1%	E. Waite	Ongoing - work in progress
2018	5161811101	Road Restoration Program - 2018	1,800,000	64,529	1,165,970	569,502	68.4%	D. Lamont	Ongoing - work in progress
2018	5161860576	Sewer Lateral Condition Assessment Program - 2018	680,000	264,230	404,640	11,129	98.4%	E. Waite	Ongoing - work in progress
2018	5161861444	Sewer Lateral Replace/Rehab Program - 2018	4,139,000	2,056,825	2,007,235	74,940	98.2%	E. Waite	Ongoing - work in progress
2018	5161871015	Sewer Lateral Replacement for Co-ordinated Projects - 2018	210,000	25,253	151,800	32,947	84.3%	E. Waite	Ongoing - work in progress
2018	5161861825	Stipeley Neighbourhood (South) - Connaught / Balsam / Dunsmure	80,000	9,620	-	70,380	12.0%	E. Waite	Project delayed to 2027 to coordinate with LRT. \$70k being used to WIP fund 2019 Wastewater Lining program (5161960390) and then this project can be closed.
2018	5161860533	Trenchless Manhole Rehabilitation - 2018	40,000	4,810	35,290	(100)	100.3%	E. Waite	Ongoing - work in progress
2018	5161860390	Wastewater System Lining Program - 2018	4,582,000	1,954,650	1,844,709	782,641	82.9%	E. Waite	Ongoing - work in progress
2018	5161860830	Windemere Rd Sewer Extension, Municipal Act	980,000	132,303	272	847,425	13.5%	E. Waite	Ongoing - work in progress
Sub-Total Wastewater - Engineering Services			174,740,110	106,899,510	30,737,861	37,102,739	78.8%		
Storm Sewers - Engineering Services									
2012	5181272290	Storm Sewer Upgrades - 2012	7,596,000	6,818,828	662,893	114,279	98.5%	M. Oddi / P. McNab	Ongoing work in progress - outstanding commitment for the replacement of Grade Separation: Bridge 163, Centennial Parkway underpass .

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a			b		c	d	e		
2013	5181360312	Greenhill - Hwy 20 Culverts	2,110,000	1,032,986	289,649	787,365	62.7%	M. Oddi	Complete - pending final review/audit/payment. \$787k surplus at this time.
2013	5181372295	SERG - Mount Albion SWMF Rehab	670,000	174,308	5,558	490,134	26.8%	S. Jacob	Need to do detailed design and tender

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			a	b	c	d	e		
2014	5181460422	SERG - Holbrook SW Improvement	940,000	666,920	4,868	268,213	71.5%	M. Oddi	Complete - Close once commitments are paid/cleared. \$268k surplus at this time.
2014	5181460423	SERG - Princess at Birch	90,000	11,172	-	78,828	12.4%	S. Jacob	Requires changes to manholes. Can be done as a maintenance activity.
2015	5181572291	Barton & Hamilton St, Waterdown Storm Sewer Upgrade	1,530,000	317,747	-	1,212,253	20.8%	E. Waite	\$1m surplus being used to WIP fund various projects in 2019 Program. Complete, pending final payment as per Sally Yong-Lee. Close this project at year end 2018.
2015	5181560591	Barton St. Trunk Sewer Rehab - Strathearne to Weir	1,290,000	276,338	789,001	224,661	82.6%	E. Waite	In progress. To be complete by Q2-2019.
2015	5181560999	Closed Projects - Storm	276,483	26,288	132,040	118,154	57.3%	M. Oddi / P. McNab	This project is primarily used to hold the contingency lines of purchase orders for several completed works until the maintenance period has expired. This allows for the closure all of the original project ID. % spent is dependent on maintenance required.
2015	5181572295	SERG - LEEDS Implementation	320,000	133,831	112,990	73,179	77.1%	E. Waite	Complete - Close once commitments are paid/cleared
2015	5181555077	Zoom Camera Inspection - Data Component	760,000	212,362	288,475	259,163	65.9%	E. Waite	Ongoing - work in progress. To be completed by end of 2020
2016	5181672074	Contingency for Unscheduled Works Program - 2016	150,000	35,370	26,345	88,286	41.1%	E. Waite / P. McNab	% spent dependent on # of unscheduled works.
2016	5181662073	Field Data Systems Program - 2016	100,000	55,017	16,007	28,976	71.0%	Szczepanik	Anticipate 100% spent by Q1 2019.
2016	5181672259	SERG - Gage Park Pond	2,168,000	156,990	-	2,011,010	7.2%	M. Oddi	Construction ongoing. PO not issued.
2016	5181672290	Storm Sewer Upgrades - 2016	1,258,000	615,402	26,490	616,107	51.0%	M. Oddi / P. McNab	Complete - pending final review/audit/payment. \$616k surplus at this time.
2016	5181660533	Trenchless Manhole Rehabilitation - 2016	80,000	35,355	40,248	4,397	94.5%	E. Waite	Complete - Close once commitments are paid/cleared
2016	5181672650	West Mtn Sewers - Juggernaut	12,849,000	4,703,024	7,976,275	169,701	98.7%	E. Waite	Ongoing - work in progress. To be complete by Q3-2019.
2016	5181655420	Wilson St Stormwater Drainage	2,440,000	1,692,287	43,929	703,784	71.2%	M. Oddi	\$700k surplus being used to WIP fund 2019. This project can then be closed once commitments are paid/cleared.
2017	5181760730	McQueston Park Entrance - Flooding	250,000	1,168	-	248,832	0.5%	E. Waite	Ditch drainage restored by installing a driveway culvert at the park entrance by O&M. Staff reviewing an outlet for a section of storm sewer within the park.
2017	5181749555	QA-QC Service Contract - 2017	60,000	24,433	11	35,556	40.7%	E. Waite	Ongoing - work in progress
2017	5181780786	RHBP - Dartnall - Stone Church to Rymal	187,000	176,805	12,757	(2,561)	101.4%	M. Oddi	Complete - pending final review/audit/payment

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2017	5181772290	Storm Sewer Upgrades - 2017	1,370,000	1,046,632	-	323,368	76.4%	M. Oddi / P. McNab	1 of 4 projects tendered. Mohawk - Upper Ottawa to Upper Kenilworth storm scope cancelled. One project is design 2018 only and one project moved to 2027 due to LRT.
2017	5181760533	Trenchless Manhole Rehabilitation - 2017	80,000	9,367	70,000	633	99.2%	E. Waite	Complete - Close once commitments are paid/cleared

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2018	5181872293	Bayside Ave Storm Sewer Replacement	780,000	399,797	-	380,204	51.3%	E. Waite	\$380k used to WIP fund 2019 program (Hewitson & Haddon) and then this project can be closed.
2018	5181872291	Catharine St N Sewer Replace	99,000	-	-	99,000	0.0%	E. Waite	Ongoing - work in progress. To be completed in 2019.
2018	5181872074	Contingency for Unscheduled Works Program - 2018	100,000	12,025	-	87,975	12.0%	E. Waite	% spent dependent on # of unscheduled works.
2018	5181870000	Coordinated Road and Subsurface Works	130,000	15,633	-	114,367	12.0%	M. Oddi / P. McNab	MacKenzie - East 27th to Upper Sherman awarded, p.o. not issued.
2018	5181872290	Mackenzie - East 27th to Upper Sherman (Burkholme Neighbourhood)	103,000	46,898	-	56,102	45.5%	E. Waite	Ongoing - work in progress
2018	5181855556	Mapping Update - 2018	40,000	4,810	-	35,190	12.0%	D. Lamont	Ongoing - work in progress. Anticipated 100% spent/committed by year end 2018.
2018	5181849555	QA-QC Service Contract - 2018	86,000	7,215	76,618	2,167	97.5%	E. Waite	Ongoing - work in progress
2018	5181860533	Trenchless Manhole Rehabilitation - 2018	40,000	4,810	35,290	(100)	100.3%	E. Waite	In progress. To be complete by Q2-2019.

<u>Sub-Total Storm Sewers - Engineering Services</u>	37,952,483	18,713,816	10,609,443	8,629,223	77.3%
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<u>TOTAL WATER, WASTEWATER & STORM SEWERS ENGINEERING SECTION</u>	345,494,973	198,441,535	60,004,946	87,048,492	74.8%
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WATER WASTEWATER & STORM SEWERS OPERATIONS SECTION

Water - Operations

2011	5141166151	SCADA Master Plan Implement	15,580,000	11,975,642	806,911	2,797,447	82.0%	D. Repath	Complete - pending final review/audit/payment
2014	5141455922	Water Loss Audit - 2014	400,000	14,766	15,472	369,762	7.6%	D. Alberton / Young	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	5141569075	Environmental Lab Improvements - 2015	70,000	35,210	22,910	11,880	83.0%	C.Vanderperk / Thomas	Anticipate 100% spent by year end 2018.
2016	5141641226	Centralized Water and Wastewater Operations Centre	1,250,000	-	-	1,250,000	0.0%	H. Quintero	Consultant will complete feasibility study of Brampton/Rennie yard commencing August 2018. Expected completion Oct 2018.
2016	5141669075	Environmental Lab Improvements - 2016	150,000	-	29,307	120,693	19.5%	C.Vanderperk / Thomas	Anticipate 100% spent by year end 2018.
2016	5141660750	Unscheduled Valve, Hydrant etc. - 2016	2,500,000	1,602,952	870,000	27,048	98.9%	D. Alberton / Young	These funds are for the Emergency Water Repair contract and they will be fully spent by February 2019.

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2016	5141655851	Water Efficiency Plan - 2016	102,000	73,404	2,033	26,563	74.0%	J. Wagner	Will be completed and closed late 2018.

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2017	5141757750	Carlisle AMR/AMI Pilot Project	250,000	136,114	36,240	77,646	68.9%	R. DiGiovanni	Nearing end of Completion. This project should run till summer of 2018, at which time the PO and project can be closed
2017	5141763757	City of Hamilton Bulk Water Fill Stations Upgrade	80,000	68,668	-	11,332	85.8%	R. DiGiovanni	This project has been completed. The PO can now be closed
2017	5141751710	Fleet Additions - Hamilton Water - 2017	560,000	120,875	21,077	418,048	25.3%	D. Alberton	Ongoing - work in progress. WD&WWC & PMATS for the purchase of a valve truck, floats, construction vehicles and forklift. Money to be spent by April 30, 2019
2017	5141762078	Substandard Water Service Replacement Program - 2017	4,000,000	2,477,517	390,643	1,131,840	71.7%	D. Alberton / Young	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	5141760750	Unscheduled Valve, Hydrant etc. - 2017	1,040,000	463,455	575,926	618	99.9%	D. Alberton / Young	These funds are for the Emergency Water Repair contract and they will be fully spent by November 2019.
2017	5141755851	Water Efficiency Plan - 2017	200,000	46,392	88,080	65,528	67.2%	J. Wagner	Will be completed and closed late 2018.
2017	5141761502	Water Meter - Installation /Replacement/Repair - General Maintenance	2,100,000	1,963,752	133,134	3,114	99.9%	R. DiGiovanni	Awaiting documentation from contractor in order to release 10% holdback. Once that is completed this project ID can be closed.
2018	5141869075	Environmental Lab Improvements - 2018	200,000	-	-	200,000	0.0%	C. Vanderperk	Anticipate 100% spent by year end 2019.
2018	5141851810	Fleet Additions - Hamilton Water - 2018	580,000	50,533	-	529,467	8.7%	D. Alberton	Ongoing - work in progress. WD&WWC & PMATS for the purchase of a valve truck, floats, construction vehicles and forklift. Money to be spent by April 30, 2019
2018	5141862078	Substandard Water Service Replacement Program - 2018	2,750,000	15,000	-	2,735,000	0.5%	D. Alberton / Young	2018 Project
2018	5141860750	Unscheduled Valve, Hydrant etc. - 2018	700,000	11,122	670,000	18,878	97.3%	D. Alberton / Young	Ongoing - work in progress
2018	5141855851	Water Efficiency Plan - 2018	150,000	-	-	150,000	0.0%	J. Wagner	2018 capital will be utilized in 2019. No additional budget request for 2019.
2018	5141861502	Water Meter - Installation/ Replacement/Repair - General Maintenance	2,800,000	1,222,734	1,447,434	129,833	95.4%	R. DiGiovanni	This project is ongoing and will run till Jan 31, 2019
Sub-Total - Hamilton Water - Operations			35,462,000	20,278,138	5,109,167	10,074,694	71.6%		

WasteWater - Operations

2011	5161166151	SCADA Master Plan Implement	15,875,000	13,638,915	372,232	1,863,853	88.3%	D. Repath	Complete - pending final review/audit/payment
2014	5161469076	BCOS-Beyond Compliance OP Sys	243,000	105,159	-	137,841	43.3%	C.Vanderperk / S. Girt	This project relates to the BCOS software upgrade and DWQMS maintenance. The monies will be spent 2018/2019.

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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 June 30, 2018
			a	b	c	d	e		
2014	5161460450	Iona Trunk Sewer Odour Control	279,000	32,288	-	246,712	11.6%	D. Alberton / Young	\$240k surplus being used to WIP fund 2019 Sewer Lateral Management Program (5161960522) and then this project can be closed.

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			a	b	c	d	e		
2016	5161641226	Centralized Water and Wastewater Operations Centre	1,250,000	-	-	1,250,000	0.0%	H. Quintero	Consultant will complete feasibility study of Brampton/Rennie yard commencing August 2018. Expected completion Oct 2018.
2016	5161669075	Environmental Lab Improvements - 2016	345,000	178,847	84,918	81,235	76.5%	C.Vanderperk / Thomas	Anticipate 100% spent by year end 2018.
2017	5161760302	Emergency Repairs - Cross Connections - 2017	1,000,000	642,800	277,306	79,894	92.0%	D. Alberton / Young	This account funds the investigation and correction of sewer lateral cross connections. The funds will be fully spent by January 2019.
2017	5161769075	Environmental Lab Improvements - 2017	250,000	-	-	250,000	0.0%	C.Vanderperk / Thomas	Anticipate 100% spent by year end 2018.
2017	5161766423	Sewer Use Bylaw 14-090 Parameter Limit Review	300,000	53,705	61,294	185,001	38.3%	C.Vanderperk / Saunders	Anticipate 100% spent by year end 2018.
2017	5161755422	Sewer Use Bylaw Enforcement Infor Upgrade	80,000	7,765	29,270	42,965	46.3%	C.Vanderperk / Saunders	Anticipate 100% spent by year end 2018.
2018	5161860302	Emergency Repairs - Cross Connections - 2018	500,000	97,728	283,963	118,310	76.3%	D. Alberton / Young	Ongoing - work in progress
2018	5161869075	Environmental Lab Improvements - 2018	200,000	-	-	200,000	0.0%	C. Vanderperk	Anticipate 100% spent by year end 2019.
2018	5161860522	Sewer Lateral Management Program (WWC) - 2018	4,500,000	1,183,083	2,148,083	1,168,834	74.0%	D. Alberton / Young	Ongoing - work in progress
2018	5161861740	Unscheduled Manhole & Sewermain - 2018	320,000	64,777	104,937	150,286	53.0%	D. Alberton / Young	Ongoing - work in progress
<u>Sub-Total - Hamilton WasteWater - Operations</u>			25,142,000	16,005,068	3,362,002	5,774,930	77.0%		
<u>Storm Sewers - Operations</u>									
2015	5181560515	Inlet-Outlet Storm Damage Repair - 2015	450,000	381,552	-	68,448	84.8%	D. Alberton / Young	\$60k surplus being used to WIP fund 2019 Unscheduled Manhole & Sewermain Replacement program (5181961740) and then this project can be closed.
2017	5181755740	Flushables Research Study	75,000	49,005	26,843	(848)	101.1%	J. Wagner	Will be completed and closed late 2018.
2017	5181761740	Unscheduled Manhole & Sewermain - 2017	100,000	-	-	100,000	0.0%	D. Alberton / Young	These funds are for the Emergency Sewer Repair contract and will be fully spent by December 2018.
2018	5181861740	Unscheduled Manhole & Sewermain - 2018	30,000	-	-	30,000	0.0%	D. Alberton / Young	2018 Project
<u>Sub-Total - Hamilton Storm Sewers - Operations</u>			655,000	430,558	26,843	197,600	69.8%		
<u>Storm Sewers - Roads O&M</u>									
2014	5181460461	Forty Mile Municipal Drain	100,000	91,363	-	8,637	91.4%	B. Hughes	Request for invoice processing with finance re cost sharing.

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2014	5181460722	Municipal Drain Program - 2014/15	139,000	33,264	-	105,736	23.9%	B. Hughes	Close once contribution from developer has been received

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			a	b	c	d	e		
2014	5181460452	Shoreline Protection Program	1,310,000	254,025	155,324	900,651	31.2%	B. Hughes	Final design preparation subject to confirmation and private resident involvement.
2015	5181510501	Mathers Drive Bank Erosion Control and Slope Stabilization	1,100,000	95,008	42,027	962,965	12.5%	B. Hughes	Project file to council, design to commence upon council approval, construction anticipated start Q4, 2018.
2016	5181674640	Battlefield Creek Remediation	300,000	168,585	3,848	127,568	57.5%	B. Hughes	Project to remain open for monitoring.
2016	5181617642	South St East Drainage Improve	160,000	24,725	135,070	204	99.9%	B. Hughes	Construction start Q3, 2018
2017	5181717458	Catch Basin Replacement/Rehabilitation Program - 2017	500,000	456,211	44,323	(534)	100.1%	B. Hughes	Complete - Close once commitments are paid/cleared
2017	5181774730	Centre Road Drainage Improvement	100,000	-	-	100,000	0.0%	B. Hughes	Anticipate 100% spent Q3, 2018 - design review HCA
2017	5181717152	Cross Road Culvert Program - 2017	1,370,000	536,287	833,713	-	100.0%	B. Hughes	Anticipate spent/committed Q4 2018
2017	5181767723	Pumping Stations	100,000	-	92,160	7,840	92.2%	B. Hughes	Committed/work anticipated to be complete Q3, 2018
2017	5181760622	SWM Facility Maintenance Program - 2017	1,600,000	1,217,927	340,751	41,323	97.4%	B. Hughes	Anticipate spent/committed Q4 2018
2018	5181817458	Catch Basin Replacement/Rehabilitation Program - 2018	500,000	41,521	103,403	355,077	29.0%	B. Hughes	Works in progress
2018	5181817549	Concrete Box Culvert Rehabilitation/Repair (< 3.0m span)	150,000	3,283	124,300	22,417	85.1%	B. Hughes	Works in progress
2018	5181817152	Cross Road Culvert Program - 2018	1,380,000	83,155	422,201	874,644	36.6%	B. Hughes	Works in progress
2018	5181874841	Lower Davis Creek - Flood Control Facility	250,000	-	-	250,000	0.0%	B. Hughes	Design and tender preparation in progress.
2018	5181860722	Municipal Drain Program - 2018	280,000	-	-	280,000	0.0%	B. Hughes	Ongoing - work in progress
2018	5181860622	SWM Facility Maintenance Program - 2018	1,200,000	76,127	543,162	580,711	51.6%	B. Hughes	Works in progress
2018	5181874840	Sydenham Interceptor Swale Re-construction	260,000	-	-	260,000	0.0%	B. Hughes	Design and tender preparation in progress.
<i>Sub-Total - Hamilton Storm Sewers - Roads O&M</i>			10,799,000	3,081,479	2,840,282	4,877,239	54.8%		
<i>TOTAL WATER, WASTEWATER & STORM SEWERS - OPERATIONS</i>			72,058,000	39,795,244	11,338,294	20,924,463	71.0%		

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Total Public Works - Rate Supported			1,128,847,721	447,055,042	283,221,755	398,570,924	64.7%		