

City of Hamilton Capital Projects Status Report - Public Works Rate Supported Projects  
As of September 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 September 30, 2018
			a	b	c	d	e		

**CAPITAL DELIVERY SECTION**

**Water Rates**

2010	5141061303	Valve Chamber No 3 First-Isaac	2,790,000	2,560,506	33,747	195,747	93.0%	S.Leitch	STATUS: Work Completed (Valve Chamber No. 3 Upgrades). NEXT STEPS: Roster Request for Design (SCADA Components - Valve Chamber 3) Q4 2018.
2011	5141166110	WTP - Process Upgrades	14,660,000	2,171,334	26,241,871	(13,753,204)	193.8%	S.Leitch	STATUS: Work in Progress - Construction (Process Upgrades - Phase 1). NEXT STEPS: Substantial Performance Q4 2021. Negative balance due to budgets being approved on a cash flow basis by Finance (\$142M future budgets approved, 2019 - 2028).
2012	5141267270	Water Control Valve Upgrades	4,060,000	2,001,020	466,266	1,592,715	60.8%	S.Leitch	STATUS: Substantially Performed. NEXT STEPS: Account to be closed once maintenance and warranty period expires Q2 2019. WIP Fund Projectid 5141666608 by \$1,200,000 through 2019 Rates
2012	5141267272	Hillcrest Reservoir - HDR02	12,200,000	10,738,616	1,272,367	189,017	98.5%	S.Leitch	STATUS: Substantially Performed (Hillcrest Reservoir Upgrades). Work in Progress - Construction (Security Gate). NEXT STEPS: Q4 2018 Completion. WIP Fund Projectid 5141666608 by \$1,000,000 through 2019 Rates Budget.
2012	5141267274	Kenilworth PS - HD005 Upgrades	3,025,000	515,834	418,415	2,090,751	30.9%	S.Leitch	STATUS: Work in Progress - Design (4 Contractors Prequalified for Construction - Pump Station) & Construction (Valve Replacement). NEXT STEPS: Tender for Construction (Pump Station) Q4 2018 & Substantial Performance Q3 2019 (Valve Replacement).
2012	5141267275	SC Water Outstations Upgrade	4,390,000	3,763,699	-	626,301	85.7%	S.Leitch	STATUS: Work Completed (Greenhill Reservoir, Stoney Creek Outstations - Phase 1). NEXT STEPS: Account to be closed. WIP Fund Projectid 5141967375 by \$500,000 through 2019 Rates Budget for Phase 2 Design & Construction.
2012	5141269250	HVAC Upgrade New Lab & Admin	5,620,000	952,920	141,669	4,525,411	19.5%	S.Leitch	STATUS: Work in Progress - Design. New Lab Extension cancelled. NEXT STEPS: Request for Prequalified Contractors for Construction Q3 2019.
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) Q4
2015	5141567520	HDR05 Reservoir Upgrades	4,192,000	311,792	327,397	3,552,811	15.2%	S.Leitch	STATUS: Work in Progress - Design. NEXT STEPS: Request for Prequalified Contractors Q1 2019.
2015	5141567525	HDR08 Reservoir Decommission	520,000	337,884	107,369	74,747	85.6%	S.Leitch	STATUS: Work Completed. NEXT STEPS: Account to be closed once outstanding purchase orders have been closed.
2015	5141567574	HDR01 Reservoir Upgrades	550,000	7,533	26,900	515,567	6.3%	S.Leitch	STATUS: Work Completed - Condition Assessment and Scope Verification. NEXT STEPS: Account to be closed. WIP Fund Projectid 5141967375 by \$500,000 through 2019 Rates Budget for the Kenilworth Reservoir (HDR01) West Cell Roof Repairs.

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2015	5141567575	High Lift PS Upgrades Phase 2	880,000	252,176	142,386	485,438	44.8%	S.Leitch	STATUS: Work Complete - Field Study (HLPS Power Distribution & Protection Setup). NEXT STEPS: Construction - Power Distribution (Recommissioning) Q4 2018.
2015	5141567577	Security - Water PS Facilities	5,600,000	292,398	2,272,282	3,035,320	45.8%	S.Leitch	STATUS: Work in Progress - Construction (Physical Security - Fencing). NEXT STEPS: Substantial Performance Q1 2019 (Physical Security - Fencing). Request for Proposals 2019 (Electronic Security)
2016	5141666608	Lynden Additional Water Supply	4,570,000	466,418	336,578	3,767,004	17.6%	S.Leitch	STATUS: Work in Progress - Design (Evaluating Applications from 6 Prequalified Contractors for Construction). NEXT STEPS: Tender for Construction Q4 2018.
2016	5141666110	WTP - Corrosion Control	7,660,000	4,762,319	2,422,948	474,733	93.8%	S.Leitch	STATUS: Work in Progress - Construction. NEXT STEPS: Substantial Performance Q4 2018.
2016	5141666515	WTP - Surge Tower Upgrades	480,000	104,262	-	375,738	21.7%	S.Leitch	STATUS: Immediate Work Completed. Major Upgrades deferred until after Woodward Process Upgrades Phase 1 has been completed. NEXT STEPS: Account to be closed. WIP Fund Projectid 5141666608 by \$500,000 through 2019 Rates Budget.
2016	5141667420	Ben Nevis & Dewitt HD08A WPS	2,590,000	193,818	429,896	1,966,286	24.1%	S.Leitch	STATUS: Work in Progress - Design (Request for Prequalified Contractors Open for Submissions). NEXT STEPS: Tender for Construction Q4 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 Q3 2019.
2016	5141667422	Osler Road HD011 WPS	2,289,000	247,424	361,203	1,680,373	26.6%	S.Leitch	STATUS: Work in Progress - Construction. NEXT STEPS: Substantial Performance Q3 2019.
2016	5141667424	Freelton Tower HDT03 Upgrades	3,600,000	1,411,767	905,750	1,282,484	64.4%	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 Q1 2019.
2017	5141766421	WTP Fluoride Building HVAC	470,000	6,995	-	463,005	1.5%	S.Leitch	STATUS: Work Completed - Air Quality Study. NEXT STEPS: Scope Verification 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 Q4 2018.
2017	5141767650	New Greensville Communal Well	500,000	62,566	30,576	406,858	18.6%	S.Leitch	STATUS: Awaiting completion of Schedule C EA for the Greensville New Well. NEXT STEPS: Issue Project Charter Q3 2019.
2017	5141795850	Greenhill PS HD04B & HD05A	8,270,000	124,500	65,871	8,079,629	2.3%	S.Leitch	STATUS: Work in Progress - Design (Immediate Needs). Request for Prequalified Contractors for Construction (Immediate Needs) is Open for Submissions. NEXT STEPS: Tender for Construction (Immediate Needs) Q4 2018.
2018	5141867651	HD007 Highland Rd Reservoir	260,000	-	-	260,000	0.0%	S.Leitch	STATUS: Timing of this project is aligned with the Reservoir Capital Coordination Schedule. NEXT STEPS: Issue Project Charter Q1 2019.
<b>Sub-Total Capital Delivery - Water</b>			<b>102,136,000</b>	<b>31,692,605</b>	<b>36,039,067</b>	<b>34,404,328</b>	<b>66.3%</b>		

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**Wastewater - Rates**

2007	5160795760	Southcote PS&Forcemain-HC008	5,512,100	2,944,350	209,632	2,358,118	57.2%	S.Leitch	STATUS: Work Completed (Forcemain & Pumping Station). NEXT STEPS: Completion Q4 2018 (minor electrical work).
2009	5160966912	Decommission Waterdown WWTP-WW08	6,000,000	684,792	86,460	5,228,749	12.9%	S.Leitch	STATUS: Work in Progress - Design (7 Contractors Prequalified for Construction). NEXT STEPS: Tender for Construction Q4 2018.
2010	5161066065	Waste Hauler Receiving Station	2,789,800	549,436	2,167,429	72,935	97.4%	S.Leitch	STATUS: Work in Progress - Construction. NEXT STEPS: Substantial Performance Q2 2019.
2012	5161266213	Dundas WWTP Improvements	1,420,200	423,655	-	996,545	29.8%	S.Leitch	STATUS: On Hold - Exploring Funding Opportunities. Work Completed - Feasibility Study (Dundas WWTP outfall extension) & Asset Replacement Study. NEXT STEPS: Request for Proposals for Process Technology Pilot Study / Design in 2019.
2012	5161267270	Ancaster WW Outstations	6,310,000	3,730,984	562,856	2,016,159	68.0%	S.Leitch	STATUS: Substantially Performed (HC009, HC013). Work in Progress - Design (HC005). NEXT STEPS: Request for Prequalified Contractors Q1 2019 (HC005).
2012	5161267273	Dundas WW Outstations	2,730,000	1,166,043	120,158	1,443,799	47.1%	S.Leitch	STATUS: Substantially Performed (DC005, DC006). Work Completed - Scope Verification (DC010). NEXT STEPS: Request for Proposals for Design (DC010) Q4 2018.
2013	5161367360	Cormorant & Osprey (HC014)	4,610,000	3,875,305	425,059	309,635	93.3%	S.Leitch	STATUS: Substantially Performed. NEXT STEPS: Account to be closed once maintenance and warranty period expires Q3 2019.
2013	5161367374	Waterdown Outstation Upgrades	3,420,000	3,219,184	131,422	69,393	98.0%	S.Leitch	STATUS: Substantially Performed (DC013, FC003). NEXT STEPS : Account to be closed once deficiencies and finishing work have been completed Q4 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 Q4 2018.
2015	5161595858	Binbrook PS Upgrade (WW-20)	6,280,000	1,114,237	3,771,250	1,394,513	77.8%	S.Leitch	STATUS: Work in Progress - Construction. NEXT STEPS: Substantial Performance Q3 2019.
2016	5161667622	FC001 DC009 HC011 Upgrades	2,140,000	97,182	111,373	1,931,445	9.7%	S.Leitch	STATUS: Work in Progress - Design (FC001, DC009). Evaluating Proposals for Design from 9 Consulting Engineers (HC011). NEXT STEPS: Request for Prequalified Contractors for Construction Q4 2018 (FC001, DC009). Award Design Q4 2018 (HC011).
2017	5161766421	WWTP Methane Sphere Upgrades	4,400,000	3,177,856	843,351	378,792	91.4%	S.Leitch	STATUS: Substantially Performed. NEXT STEPS: Account to be closed once maintenance and warranty period expires Q3 2019.
2017	5161767420	Parkdale Av HC001 WW Statn Upg	660,000	-	-	660,000	0.0%	S.Leitch	STATUS: Work in Progress - Scope Verification. NEXT STEPS: Request for Proposals for Design Q4 2018.

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2017	5161796786	First Street PS Upgrade DC014	3,450,000	71,818	572,556	2,805,626	18.7%	S.Leitch	STATUS: Work in Progress - Design. NEXT STEPS: Request for Prequalified Contractors for Construction Q2 2019.
2020	5162068851	Pier 25 Dredging - Windermere	170,000	-	-	170,000	0.0%	S.Leitch	STATUS: Developing Roster Invitation (Feasibility Study to determine potential locations for Silt Disposal). NEXT STEPS: Award Feasibility Study Q1 2019.
<b>Sub-Total Capital Delivery - Wastewater</b>			<b>51,882,100</b>	<b>21,257,926</b>	<b>9,001,546</b>	<b>21,622,627</b>	<b>58.3%</b>		
<b>TOTAL CAPITAL DELIVERY SECTION</b>			<b>154,018,100</b>	<b>52,950,532</b>	<b>45,040,613</b>	<b>56,026,955</b>	<b>63.6%</b>		

**INFRASTRUCTURE PLANNING & SYSTEMS DESIGN**

**Water - Rates**

2011	5141167150	Greensville New Well – EA	720,000	1,327,085	22,337	(629,422)	187.4%	B.Posedowski	STATUS: Work Completed - Pumping Test and Hydrogeologic investigation, Greensville Subwatershed Study Report. Work in Progress - New Greensville Municipal Well Schedule C EA. NEXT STEPS: Completion of EA Q2 2019.
2013	5141395354	PD18 Elevated Reservoir W14	2,610,000	344,099	33,935	2,231,966	14.5%	B.Posedowski	STATUS: Work in Progress - Class EA and Conceptual Design, Terrestrial and Avian Assessments. NEXT STEPS: Completion of EA is Q2 2019. Land Purchase is in the Critical Path.
2014	5141495551	PD7 Elevated Reservoir W-23	1,990,000	94,106	52,529	1,843,365	7.4%	B.Posedowski	STATUS: Work in Progress - EA & Conceptual Design of PD7 Elevated Tower / Reservoir & New Pumping Station. NEXT STEPS: EA Completion Q1 2019.
2015	5141555010	Water Systems Planning	450,000	331,107	91,473	27,420	93.9%	B.Posedowski	STATUS: Work in Progress - Servicing alternatives for Ancaster, Screening of Development Applications, Pressure District Boundary Condition Characterization. NEXT STEPS: Completion Q2 2019.
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	5141555264	City-Wide Water MP	550,000	61,557	499,252	(10,809)	102.0%	B.Posedowski	STATUS: Work in Progress - Citywide Water Wastewater Storm Master Plan. NEXT STEPS: Completion Q2 2020.
2015	5141555555	City Wide Groundwater Model	710,000	353,279	88,177	268,544	62.2%	B.Posedowski	STATUS: Work in Progress - Vulnerability Mapping for Rural Development, Delineation of Lynden Wellhead Protection Areas. NEXT STEPS: Freelon Wellhead Protection Area Delineation Q4 2018.
2015	5141564533	Up Wentworth - Hydro to Twenty	200,000	12,638	-	187,362	6.3%	B.Posedowski	STATUS: On Hold. NEXT STEPS: City Wide Water and Wastewater Master Plan will dictate whether this is required.
2015	5141595553	HD12A PS Upgrades (W-04)	720,000	152,717	45,380	521,904	27.5%	B.Posedowski	STATUS: Work Completed - Land Acquisition and Phase One & Two Environmental Site Assessment (ESA) & pre-demolition Designated Substances / Hazardous Materials Survey. Work in Progress - Class EA. NEXT STEPS: Completion of EA Q4 2018.

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2016	5141664632	Twenty (Greti) to Upper James	1,610,000	184,337	-	1,425,663	11.4%	B.Posedowski	STATUS: On Hold. NEXT STEPS: City Wide Water and Wastewater Master Plan will dictate whether this is required.
2016	5141667423	Freelton Well FDF01 Capacity	1,430,000	166,088	113,470	1,150,441	19.5%	B.Posedowski	STATUS: Work Complete - Hydrogeological study. Work in Progress - GUDI Investigation & Treatment Capacity Study. NEXT STEPS: Study Completion Q4 2018.
2017	5141767752	WW Outstation Inspection - AM	550,000	174,192	260,365	115,443	79.0%	B.Posedowski	STATUS: Work in Progress - Design of Facility Asset Management Program and Peer Review, Condition Assessments (HDR00, Chlorine Building), Energy Audit of HW facilities (Phase II). NEXT STEPS: Completion Q2 2023.
2017	5141796752	PD16 Trunk - PS HD016 to Hwy 5	1,690,000	146,359	-	1,543,641	8.7%	B.Posedowski	STATUS: Completed Functional design. NEXT STEPS: Class EA for the Waterdown Trunk Watermain Twinning Q4 2018.
2018	5141855010	Water Systems Planning	300,000	-	50,000	250,000	16.7%	B.Posedowski	STATUS: Support for ongoing water system analysis of the LRT intensification corridor, Screening and development application services, Pressure District Boundary Condition Characterization. NEXT STEPS: Completion Q4 2018.
2018	5141855777	LRT Corridor - Water	220,000	-	-	220,000	0.0%	B.Posedowski	0
2018	5141867752	Water Outstation Inspections	660,000	86,948	158,276	414,776	37.2%	B.Posedowski	STATUS: Work in Progress - 2018 Water and Wastewater Financial Plan, Lynden New Well Cost Estimate Peer Review, Condition Assessment (FDG01). NEXT STEPS: Condition Assessment (HDR2A) Q4 2018, Woodward WTP Upgrades DC Study Q4 2018.
2018	5141895852	Carlisle Additnl Water Storage	440,000	-	-	440,000	0.0%	B.Posedowski	NEXT STEPS: Water System Specialist to assess alternatives to the Future Carlisle Water Storage Q4 2018.
2018	5141895956	Water Distribution Model	350,000	-	-	350,000	0.0%	B.Posedowski	NEXT STEPS: WaterCAD Model Update and Maintenance Procedure Q4 2018.

***Sub-Total Infrastructure Planning & Systems Design - Water***                      **17,130,000**                      **3,438,558**                      **1,415,194**                      **12,276,248**                      **28.3%**

**Wastewater - Rates**

2007	5160755640	Non-trunk Flow Monitoring	500,000	114,300	398,089	(12,389)	102.5%	B.Posedowski	STATUS: Work Complete - Design of Wet Weather Control. NEXT STEPS: Completion of Conceptual Design Q3 2018. Negative balance due to unanticipated tax changes.
2008	5160867751	WW Outstns - Asset Management	2,655,000	1,259,838	1,458,338	(63,176)	102.4%	B.Posedowski	STATUS: Work Complete - Design of Wet Weather Control. NEXT STEPS: Completion of Conceptual Design Q3 2018. Negative balance due to unanticipated tax changes.
2013	5161367752	WW Outstation Inspection - AM	645,000	147,148	537,886	(40,034)	106.2%	B.Posedowski	STATUS: Work in Progress - Design for Facility Asset Management Program. NEXT STEPS: Completion Q2 2023.
2014	5161455420	SERG - Flooding & Drainage MP	555,000	165,309	302,526	87,165	84.3%	B.Posedowski	STATUS: Work in Progress - Flooding and Drainage Master Plan. NEXT STEP: Completion Q1 2019.
2015	5161555264	City-Wide Wastewater MP	550,000	435,856	130,615	(16,470)	103.0%	B.Posedowski	STATUS: Work in Progress - Citywide Water Wastewater Storm Master Plan. NEXT STEPS: Completion Q2 2020.

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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	144,786	357,803	47,411	91.4%	B.Posedowski	STATUS: Work in Progress - Rain Gauges Flow Monitoring Services, Hydrologic-hydraulic model for the storm sewer systems of Phase 1 Hamilton Mountain Areas (Ancaster). NEXT STEPS: Completion Q4 2020.
2015	5161567564	HC005 - Schedule C EA	990,000	229,308	149,569	611,124	38.3%	B.Posedowski	STATUS: Work in Progress - Emergency Overflow Schedule C Municipal Class EA. NEXT STEPS: EA Completion Q2 2019. Detailed Design to follow.
2016	5161655350	Riverdale Flood Relief EA	220,000	4,247	-	215,753	1.9%	B.Posedowski	STATUS: Work in Progress - Riverdale East and Surrounding Neighbourhood Flooding Remedial Measures & Conceptual Design . NEXT STEPS: Conceptual Design Completion Q2 2019. Detailed Design to follow.
2016	5161655351	Lawfield & Berrisfield Area	185,000	223,536	-	(38,536)	120.8%	B.Posedowski	STATUS: Work Completed - Smoke Testing, Manhole Inspection, Conceptual Design of Neighbourhood I/I Reduction. NEXT STEPS: Consultation with HW Sr Management to decide which solution to pursue. Community Outreach and Education to follow.
2016	5161661434	Upsize Wilson Street Forcemain	100,000	4,875	-	95,125	4.9%	B.Posedowski	NEXT STEPS: Issue Project Charter Q4 2018.
2016	5161667421	New Haulage Receiving Station	1,140,000	139,588	87,157	913,255	19.9%	B.Posedowski	STATUS: Work in Progress - Class EA and Conceptual Design. NEXT STEPS: EA Completion Q2 2019. Land Purchase & Detailed Design to follow.
2016	5161695747	Battlefield Trunk Sewer WW-33	1,650,000	124,279	-	1,525,721	7.5%	B.Posedowski	STATUS: Scope and timing to be confirmed in Citywide Master Plan. NEXT STEPS: Detailed Design by Engineering Services to follow.
2016	5161696452	AEGD - Dickenson Rd FM & Sewer	2,750,000	298,230	5,025	2,446,745	11.0%	B.Posedowski	STATUS: Work Completed - Economic Analysis and Feasibility study to support the Conceptual Design Implementation. NEXT STEPS: Detailed Design.
2017	5161755955	Inflow & Infiltration	300,000	184,445	39,212	76,343	74.6%	B.Posedowski	STATUS: Work in Progress - Glen Road Inspection and Monitoring/ Aberdeen CSO Monitoring. NEXT STEPS: Completion Q4 2018.
2017	5161757420	SCADA Rain Gauges	50,000	-	-	50,000	0.0%	B.Posedowski	NEXT STEPS: Issue Project Charter Q4 2018.
2017	5161767752	WW Outstn Insp -Asset Mgm Prog	220,000	53,593	13,591	152,816	30.5%	B.Posedowski	STATUS: Work in Progress - Energy Audit (of HW facilities - Phase II). Pilot Study - Asset Management. NEXT STEPS: Roster Invitation - Condition Assessment (DC007 McMaster SPS) Q4 2018.
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.
2018	5161855010	Wastewater Systems Planning	300,000	7,612	126,340	166,048	44.7%	B.Posedowski	STATUS: Work in Progress - Wastewater System Analysis & Hydraulic Assessment (LRT intensification Corridor & Roads Capital Program), Pollution Control Plan, Riverdale East Flooding Investigation, CSO Reporting. NEXT STEPS: Completion Q4 2018.
2018	5161855640	Flow Monitoring Program	50,000	-	-	50,000	0.0%	B.Posedowski	STATUS: Citywide Sanitary Service Flow Monitoring, Rain Gauges Flow Monitoring Services. NEXT STEPS: Completion Q1 2020.

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2018	5161855777	LRT Corridor - Wastewater	220,000	-	-	220,000	0.0%	B.Posedowski	NEXT STEPS: Wastewater System Analysis for LRT intensification Corridor Q4 2018.
2018	5161857545	Wastewater Computer Model	280,000	5,162	161,552	113,286	59.5%	B.Posedowski	STATUS: Citywide Sanitary & Stormwater Flow Monitoring Services. NEXT STEPS: Completion Q1 2020.
2018	5161867752	Wastewater Outstation Inspect	520,000	41,111	32,360	446,529	14.1%	B.Posedowski	STATUS: Work in Progress - Condition Assessment (HC017 Eastport SPS), Development Water Financial Plan. NEXT STEPS: Completion Q1 2019.
<b><u>Sub-Total Infrastructure Planning &amp; Systems Design - Wastewater</u></b>			<b>15,004,000</b>	<b>3,953,823</b>	<b>3,977,232</b>	<b>7,072,945</b>	<b>52.9%</b>		
<b>Storm water - Rates</b>									
2012	5181260214	Parkside and Kipling Flood	1,500,000	441,624	907,885	150,490	90.0%	B.Posedowski	STATUS: Work in Progress - Construction (Churchill Park Rain Gardens - Phase 1). NEXT STEPS: Substantial Performance (Phase
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 Q2 2019. Detailed Design to follow.
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 Q4 2018. Detailed
2013	5181355350	SERG Studies & Assessments	740,000	523,953	62,124	153,923	79.2%	B.Posedowski	STATUS: Work Completed - Low Impact Development Bumpout (Bay and Simcoe). Work in Progress - Beach Strip Flooding Study. NEXT STEPS: Completion Q4 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 Q1 2019.
2015	5181555422	GRIDS II - Stormwater MP	550,000	57,750	499,252	(7,002)	101.3%	B.Posedowski	STATUS: Work in Progress - Citywide Water Wastewater Storm Master Plan. NEXT STEPS: Completion Q2 2020.
2015	5181562590	SWMP Retrofits	660,000	-	-	660,000	0.0%	B.Posedowski	NEXT STEPS : Issue Project Charter for the Analysis & Conceptual Design - Stormwater Management Pond Retrofits (Ponds # 67, 9, 54, 52, 35, 14) Q4 2018.
2016	5181655075	SERG - Watershed Proj Coord	500,000	158,797	133,822	207,381	58.5%	B.Posedowski	STATUS: Work in Progress - Lower Spencer Creek Subwatershed Study, Delivery of environmental data collection in the field. NEXT STEPS: Completion Q1 2019.
2016	5181655421	SERG Stormwater System Planning	280,000	26,619	77,085	176,296	37.0%	B.Posedowski	STATUS: Work in Progress - Hydraulic Assessment (Storm Sewer in Ancaster, Stormwater needs for Roads Capital Program). NEXT STEPS: Completion Q4 2020.
2017	5181755420	Stormwater Drainage Review	280,000	32,639	217,856	29,505	89.5%	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.

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, 2018
			a	b	c	d	e		
2017	5181755421	SERG - SW System Planning	280,000	36,879	11,692	231,430	17.3%	B.Posedowski	STATUS: Wilson Street Stormwater Drainage Plan. NEXT STEPS: City-wide Stormwater Infrastructure Field Verification & GIS Database Update for Modelling Q4 2018.
2018	5181823155	SERG - Dundas Drainage Upgrade	60,000	-	-	60,000	0.0%	B.Posedowski	NEXT STEPS: Issue Project Charter Q4 2018.
2018	5181872295	SERG - LEEDS Implementation	440,000	16,013	-	423,987	3.6%	B.Posedowski	0
<b><u>Sub-Total Infrastructure Planning &amp; Systems Design - Storm water</u></b>			<b>12,355,000</b>	<b>2,157,766</b>	<b>2,457,794</b>	<b>7,739,440</b>	<b>37.4%</b>		
<b><u>TOTAL INFRASTRUCTURE PLANNING &amp; SYSTEMS DESIGN SECTION</u></b>			<b>44,489,000</b>	<b>9,550,147</b>	<b>7,850,220</b>	<b>27,088,633</b>	<b>39.1%</b>		

**WOODWARD UPGRADES SECTION**

**Wastewater - Rates**

2008	5160866801	Woodward WWTP - Clean Harbour	226,773,642	64,918,972	161,854,670	-	100.0%	J.Helka	STATUS: GIF Funded. \$254M future budgets approved (cash flowed 2019 - 2021). Work in Progress - Construction (Raw Wastewater Pumping Station, Electrical System), Pre-Purchased Equipment (Tertiary). NEXT STEPS: Tender for Construction (Tertiary Q1 2019).
2009	5160966910	WWTP - Biosolids MP Implement	10,220,000	4,028,164	4,850,899	1,340,937	86.9%	J.Helka	STATUS: PPP Canada Funded, Cash Flow Budget approved by Finance. Work in Progress - Design-Bid-Finance-Operate-Maintain Contract awarded to Harbour City Solutions for the Biosolids Management Project. NEXT STEPS: Substantial Performance Q2
<b><u>Sub-Total Woodward Upgrades - Wastewater</u></b>			<b>236,993,642</b>	<b>68,947,136</b>	<b>166,705,569</b>	<b>1,340,937</b>	<b>99.4%</b>		
<b><u>TOTAL WOODWARD UPGRADES SECTION</u></b>			<b>236,993,642</b>	<b>68,947,136</b>	<b>166,705,569</b>	<b>1,340,937</b>	<b>99.4%</b>		

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

**PLANT MAINTENANCE AND TECHNICAL SERVICES SECTION**

**Water - Rates**

2011	5141166151	SCADA Master Plan Implement	15,580,000	12,395,252	806,911	2,377,837	84.7%	G.Botha	STATUS: Work in Progress. NEXT STEPS: Account to be closed once final invoices have been paid and outstanding purchase orders have been closed. WIP Fund Projectid 5141966151 by \$2,500,000 through 2019 Rates Budget.
2015	5141566711	Annual Water Treatment Studies	250,000	51,185	68,295	130,520	47.8%	G.Botha	STATUS: Work in Progress - Baseline biological activity in the full scale media filters at the Woodward Avenue WTP. NEXT STEPS: Roster Invitation - Optimization Study for Corrosion Control using Phosphoric acid chemical dosing Q4 2018.



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			a	b	c	d	e		
2016	5141666713	Annual Water Maintenance	600,000	495,678	60,731	43,590	92.7%	G.Botha	STATUS: Substantially Performed - Woodward WWTP Staff Building Renovations. NEXT STEPS: Account to be closed once maintenance and warranty period expires Q1 2019.
2017	5141766711	Annual Water Treatment Studies	250,000	87,088	19,544	143,369	42.7%	G.Botha	STATUS: Work in Progress - Condition Assessment (Chlorine Chemical Building), Assessment of current CT calculations. NEXT STEPS: Completion Q1 2019.
2017	5141766713	Annual Water Maintenance	2,500,000	98,263	373,206	2,028,531	18.9%	G.Botha	STATUS: Work in Progress. NEXT STEPS: Tenders for Construction - Installation of Premise Isolation Backflow Devices and Containments for various HW Facilities Q4 2018.
2018	5141866350	WTP Lighting Upgrade	200,000	-	-	200,000	0.0%	G.Botha	STATUS: Work in Progress - Construction (Energy Efficient LED Lighting at Woodward Ave. SSTP and Administration Building). NEXT STEPS: Substantial Performance 2019.
2018	5141866713	Annual Water Maintenance	1,500,000	60,690	15,410	1,423,900	5.1%	G.Botha	STATUS: Work in Progress. NEXT STEPS: LLPS Travelling Screen Q4 2019.
<b><u>Sub-Total Plant Maintenance &amp; Technical Services - Water</u></b>			<b>20,880,000</b>	<b>13,188,155</b>	<b>1,344,098</b>	<b>6,347,747</b>	<b>69.6%</b>		
<b>Wastewater - Rates</b>									
2011	5161166151	SCADA Master Plan Implement	15,875,000	13,381,800	212,548	2,280,652	85.6%	G.Botha	STATUS: Work in Progress. NEXT STEPS: Account to be closed once final invoices have been paid and outstanding purchase orders have been closed. WIP Fund Projectid 5161966151 by \$1,500,000 through 2019 Rates Budget.
2017	5161766713	Wastewater Maintenance Capital	3,000,000	1,767,991	1,112,258	119,751	96.0%	G.Botha	STATUS: Work in Progress. NEXT STEPS: Completion Q4 2019.
2017	5161766745	Woodward WWTP-Oper Readiness	4,875,000	98,595	1,863,248	2,913,157	40.2%	G.Botha	STATUS: Work in Progress - Construction (Replacement of Membrane Tube Diffusers & Step Feed Weir Refurbishment at the Woodward WWTP). NEXT STEPS: Substantial Performance Q4 2018. WIP Fund Projectid 5161966713 by \$2,400,000 through 2019 Rates Budget.
2018	5161866350	Woodward WWTP Lighting Upgrade	690,000	14,755	18,896	656,349	4.9%	G.Botha	STATUS: Work in Progress - Construction (Energy Efficient LED Lighting at Woodward Ave. SSTP and Administration Building). NEXT STEPS: Substantial Performance 2019.
2018	5161866511	Woodward WWTP - Digester #4	5,500,000	-	-	5,500,000	0.0%	G.Botha	STATUS: Work in Progress - Design (3 Contractors Pre-Qualified for Construction). NEXT STEPS: Tender for Construction Q4 2018.
2018	5161866713	Wastewater Maintenance Capital	4,750,000	179,555	7,000	4,563,445	3.9%	G.Botha	STATUS: Work in Progress. NEXT STEPS: Completion Q4 2020.
<b><u>Sub-Total Plant Maintenance &amp; Technical Services - WasteWater</u></b>			<b>34,690,000</b>	<b>15,442,697</b>	<b>3,213,951</b>	<b>16,033,352</b>	<b>53.8%</b>		
<b><u>TOTAL PLANT MAINTENANCE &amp; TECHNICAL SERVICES SECTION</u></b>			<b>55,570,000</b>	<b>28,630,852</b>	<b>4,558,049</b>	<b>22,381,099</b>	<b>59.7%</b>		

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, 2018
			a	b	c	d	e		

**WATER & WASTEWATER PLANNING AND CAPITAL SECTION**

**Corporate Project Program - Tax**

2009	2110953900	Randle Reef Rehab Project	6,875,000	6,872,735	1,250,000	(1,247,735)	118.1%	M.Bainbridge	STATUS: Cash Flow Budget approved by Finance. 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.
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**Sub-Total Water & Wastewater Planning & Capital - Corporate Project Program**

6,875,000      6,872,735      1,250,000      (1,247,735)      118.1%

**Wastewater - Rates**

2014	5161468422	Randle Reef Sediment Remediate	4,550,000	4,325,000	1,675,000	(1,450,000)	131.9%	M.Bainbridge	STATUS: Cash Flow Budget approved by Finance. 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.
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**Sub-Total Water & Wastewater Planning & Capital - Wastewater**

4,550,000      4,325,000      1,675,000      (1,450,000)      131.9%

**TOTAL WATER & WASTEWATER PLANNING AND CAPITAL SECTION**

11,425,000      11,197,735      2,925,000      (2,697,735)      123.6%

**HAMILTON WATER & WASTEWATER- DIRECTOR**

**Water - Rates**

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 Q4 2018.
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.

**Sub-Total - Water**

1,680,000      398,579      11,020      1,270,401      24.4%

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			a	b	c	d	e		
<b>Wastewater - Rates</b>									
2015	5161555545	Capital Works Information Mgmt	280,000	-	-	280,000	0.0%	A.Grice	STATUS: Work in Progress - Project Management Office / IT Business Intelligence Collaborative Project (Phase 1 - Automate Existing PMO Reporting System using internal Resources). NEXT STEPS: Phase 2 Dashboard and Power BI Q1 2019.
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.
<b>Sub-Total Roads - Wastewater</b>			<b>1,530,000</b>	<b>0</b>	<b>0</b>	<b>1,530,000</b>	<b>0.0%</b>		
<b>TOTAL HAMILTON WATER &amp; WASTEWATER DIRECTOR SECTION</b>			<b>3,210,000</b>	<b>398,579</b>	<b>11,020</b>	<b>2,800,401</b>	<b>12.8%</b>		
<b>WATER &amp; WASTEWATER ENGINEERING SERVICES SECTION</b>									
<b>Water - Engineering Services</b>									
2013	5141371301	WM Replace Program - Coordinated with Roads - 2013	11,310,000	10,940,712	-	369,288	96.7%	M.Oddi / P.McNab	Construction complete. Awaiting billing from CN. \$350k surplus at this time.
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.
2014	5141455425	Concrete Pipe Condition Assessment	2,230,000	1,494,632	270,020	465,347	79.1%	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.
2014	5141461300	Wm Replacement Program - 2014	1,160,000	450,959	-	709,041	38.9%	M.Oddi / P.McNab	\$705k surplus is being used to WIP fund 2019 Water Lining Program (5141960072).
2015	5141555501	Ferguson Pumpstation to Scenic Reservoir Trunk Main Inspection	1,150,000	1,024,707	94,470	30,823	97.3%	E.Waite	Complete - Close once commitments are paid/cleared
2015	5141571301	WM Replace Program - Coordinated with Roads - 2015	14,645,000	13,788,097	670,577	186,326	98.7%	M.Oddi / P.McNab	\$70k surplus is being used to WIP fund 2019 Water Lining Program (5141960072).
2015	5141596152	PD11 (Governor's Rd) Extend	1,120,000	405,223	726,707	(11,931)	101.1%	M.Oddi	Construction 2018/19
2015	5141596153	PD22 (Governor's Rd) Extend	900,000	568,441	311,386	20,174	97.8%	M.Oddi	Construction 2018/19
2015	5141596550	Stone Church Feedermain (W-24)	25,300,000	2,158,543	301,379	22,840,078	9.7%	S.Jacob	Functional design to be completed by Dec 2018. If it is a feasible alignment for Water Operations, the project will continue to detailed design in 2019/2020 and Construction in years after
2015	5141596558	Greenhill Feedermain - King to Greenhill Tank	5,700,000	5,168,552	146,063	385,384	93.2%	M.Oddi	\$130k surplus is being used to WIP fund 2019 Water Lining Program (5141960072) then this project can be closed once commitments are paid/cleared.

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			a	b	c	d	e		
2016	5141657626	Critical WM Inspection Program - 2016	299,000	178,576	62,158	58,266	80.5%	E.Waite	Complete - Close once commitments are paid/cleared
2016	5141660999	Closed Projects - Water	218,000	50,309	158,830	8,861	95.9%	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	5141661300	WM Replacement Program - 2016	700,000	656,531	10,001	33,468	95.2%	M.Oddi / P.McNab	\$30k surplus being used to WIP fund 2019 Watermain Lining Program (5141960072) then this project can be closed once commitments are paid/cleared.
2016	5141662073	Field Data Systems Program - 2016	169,380	91,274	61,887	16,219	90.4%	I.Szczepanik	Anticipate 100% spent by Q1 2019.
2016	5141670000	Coordinated Road and Subsurface Works - 2016	3,531,000	2,915,975	152,192	462,833	86.9%	M.Oddi / P.McNab	\$440k surplus being used to WIP fund 2019 Watermain Lining Program (5141960072).
2016	5141671301	WM Replace Program - Coordinated with Roads - 2016	4,428,000	4,074,782	91,044	262,174	94.1%	M.Oddi / P.McNab	\$250k surplus being used to WIP fund 2019 Watermain Lining Program (5141960072) then this project can be closed once commitments are paid/cleared.
2017	5141749555	QA-QC Service Contract - 2017	110,000	80,525	1,800	27,675	74.8%	E.Waite	Ongoing - work in progress
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	5141757628	Mountain Feedermain	340,000	78,400	262,078	(477)	100.1%	E.Waite	Complete - Close once commitments are paid/cleared. Claim for CWWF funding underway.
2017	5141760072	Structural WM Lining Program - 2017	7,291,000	7,291,000	-	-	100.0%	E.Waite	Close after year end reporting. CWWF funded.
2017	5141760080	Valve Replacement - 2017	1,760,000	1,488,895	171,965	99,141	94.4%	E.Waite	\$90k surplus being used to WIP fund 2019 Valve Replacement program (5141960080) and then this project can be closed once commitments are paid/cleared.
2017	5141760577	Metallic Watermain Condition Assessment Program - 2017	685,000	578,735	101,401	4,864	99.3%	E.Waite	Complete - Close once commitments are paid/cleared
2017	5141760754	Kenilworth Transmission Watermain Renewal	2,400,000	433,469	59,509	1,907,022	20.5%	E.Waite	Ongoing - work in progress. To be tendered Q4 2019 for 2020 construction.
2017	5141761300	WM Replacement Program - 2017	1,630,000	190,852	-	1,439,148	11.7%	E.Waite	\$800k surplus being used to WIP fund 2019 Watermain Lining Program (5141960072). 1 of 3 projects awarded. Burlington Trunkmain Repairs in 2019 and James and Charlton Intersection rebudgeted in 2024 due to LRT.
2017	5141761777	Beach Trunkmain Rehab	5,000,000	585,438	-	4,414,562	11.7%	E.Waite	Project delayed to Q1 2019 due to water network requirements.
2017	5141770000	Coordinated Road and Subsurface Works - 2017	3,000,000	2,792,300	140,631	67,070	97.8%	M.Oddi / P.McNab	Complete - pending final review/audit/payment. \$67k surplus at this time.

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			a	b	c	d	e		
2017	5141771074	Contingency for Unscheduled Works Program - 2017	200,000	143,984	-	56,016	72.0%	E.Waite	\$55k being used to WIP fund 2019 program and then this project can be closed.
2017	5141771301	WM Replace Program - Coordinated with Roads - 2017	2,815,000	2,504,302	118,959	191,739	93.2%	M.Oddi / P.McNab	2 of 4 projects awarded. Watermain Replacement under CP Tracks at Ferguson on hold pending design review. Remaining project transferred to Waterfront.
2017	5141771740	Upper Sherman - Rymal to Stone	1,590,000	1,254,838	47,956	287,205	81.9%	M.Oddi	Complete - pending final review/audit/payment
2018	5141811101	Road Restoration Program - 2018	5,400,000	1,541,043	2,670,761	1,188,196	78.0%	D.Lamont	Ongoing - work in progress
2018	5141849555	QA-QC Service Contract - 2018	110,000	84,379	8,087	17,535	84.1%	E.Waite	Ongoing - work in progress
2018	5141855556	Mapping Update - 2018	40,000	5,823	-	34,177	14.6%	D.Lamont	Ongoing - work in progress. Anticipated 100% spent/committed by year end 2018.
2018	5141857626	Critical WM Inspection Program - 2018	330,000	48,039	21,775	260,186	21.2%	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	101,901	619,000	(5,901)	100.8%	E.Waite	Ongoing - work in progress
2018	5141857628	Saltfleet Trunkmain Inspection	565,000	80,065	490,000	(5,065)	100.9%	E.Waite	Ongoing - work in progress. Claim for CWWF funding underway.
2018	5141860072	Structural WM Lining Program - 2018	7,320,000	5,280,193	2,213,229	(173,423)	102.4%	E.Waite	Ongoing - work in progress
2018	5141860080	Valve Replacement -	1,000,000	244,891	698,310	56,799	94.3%	E.Waite	Ongoing - work in progress
2018	5141860577	Metallic Watermain Condition Assessment Program - 2018	700,000	213,448	320,585	165,967	76.3%	E.Waite	Complete - Close once commitments are paid/cleared. Claim for CWWF funding underway.
2018	5141860711	PW Capital Water Consumption Program - 2018	200,000	146,532	-	53,468	73.3%	E.Waite	Ongoing - work in progress
2018	5141861300	Wm Replacement Program - 2018	800,000	116,458	-	683,542	14.6%	E.Waite	Mulberry - Bay to James (2019) & Barton - Queen to Locke (2020)
2018	5141870000	Coordinated Road and Subsurface Works - 2018	4,340,000	2,303,718	1,793,039	243,244	94.4%	M.Oddi / P.McNab	4 of 5 project awarded. One project moved to Waterfront and duplicated in error. Construction ongoing.
2018	5141871074	Contingency for Unscheduled Works Program - 2018	100,000	14,557	-	85,443	14.6%	E.Waite	% spent dependent on # of unscheduled works.
2018	5141871301	WM Replace Program - Coordinated with Roads - 2018	5,219,000	3,805,045	709,071	704,883	86.5%	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.
<b>Sub-Total Water - Engineering Services</b>			<b>127,380,380</b>	<b>75,586,578</b>	<b>13,504,870</b>	<b>38,288,932</b>	<b>69.9%</b>		

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			a	b	c	d	e		
<b>WasteWater - Engineering Services</b>									
2007	5160795757	Centennial Trnk Swr-WW14, WW33	84,200,000	76,525,849	7,099,123	575,029	99.3%	M.Oddi	Ongoing - work in progress. Anticipated completion spring/summer of 2019.
2013	5161395358	Hwy 56 Forcemain&Twinning WW21	27,190,000	12,891,920	5,701,776	8,596,304	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	\$230k being used to WIP fund 2019 Wastewater System Lining Program (5161960390).
2015	5161555077	Zoom Camera Inspection - Data Component	760,000	569,014	38,777	152,209	80.0%	E.Waite	Ongoing - work in progress. To be completed by end of 2020
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	5161560999	Closed Projects - WasteWater	119,000	20,092	88,728	10,180	91.4%	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	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	Complete - pending final review/audit/payment
2015	5161596855	Royal to Main-King CSO (WW-22)	18,040,000	1,403,668	149,840	16,486,492	8.6%	S.Jacob	Moving forward with this project. Consultant appointed for completing studies and detailed design
2016	5161660533	Trenchless Manhole Rehabilitation - 2016	80,000	5,897	62,082	12,021	85.0%	E.Waite	Complete - Close once commitments are paid/cleared
2016	5161660575	Mainline Sewer Condition Assessment Program - 2016	600,000	399,758	183,525	16,717	97.2%	E.Waite	Complete - Close once commitments are paid/cleared
2016	5161662073	Field Data Systems Program - 2016	160,110	51,283	101,506	7,321	95.4%	I.Szczepanik	Anticipate 100% spent by Q1 2019.
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
2017	5161718420	Grindstone Creek Utility Bridge	3,470,000	531,803	282,170	2,656,027	23.5%	E.Waite	\$2.5m being used to WIP Fund 2019 Wastewater System Lining Program (5161960390).
2017	5161749555	QA-QC Service Contract - 2017	110,000	44,249	12,800	52,951	51.9%	E.Waite	Ongoing - work in progress
2017	5161760390	Wastewater System Lining Program - 2017	4,500,000	3,695,470	74,616	729,914	83.8%	E.Waite	Complete - Close once commitments are paid/cleared

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			a	b	c	d	e		
2017	5161760533	Trenchless Manhole Rehabilitation - 2017	80,000	9,367	70,000	633	99.2%	E.Waite	Complete - Close once commitments are paid/cleared
2017	5161760575	Mainline Sewer Condition Assessment Program - 2017	1,330,000	827,475	37,128	465,397	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	384,831	6,269	8,900	97.8%	E.Waite	Complete - Close once commitments are paid/cleared
2017	5161761444	Sewer Lateral Replace/Rehab Program - 2017	4,060,000	4,060,000	-	-	100.0%	E.Waite	Ongoing - work in progress
2017	5161768240	Western Interceptor Sewer CCTV and Sonar Inspection	1,540,000	378,540	1,146,770	14,691	99.0%	E.Waite	Ongoing - work in progress
2017	5161771015	Sewer Lateral Replacement for Co-ordinated Projects - 2017	278,000	235,409	25,481	17,110	93.8%	E.Waite	Ongoing - work in progress
2018	5161811101	Road Restoration Program - 2018	1,800,000	841,490	763,289	195,221	89.2%	D.Lamont	Ongoing - work in progress
2018	5161849555	QA-QC Service Contract - 2018	110,000	72,528	11,645	25,826	76.5%	E.Waite	Ongoing - work in progress
2018	5161855556	Mapping Update - 2018	40,000	5,823	-	34,177	14.6%	D.Lamont	Ongoing - work in progress. Anticipated 100% spent/committed by year end 2018.
2018	5161855878	Forcemain Condition Assessment Program	300,000	43,672	149,490	106,838	64.4%	E.Waite	Ongoing - work in progress
2018	5161860390	Wastewater System Lining Program - 2018	4,582,000	3,858,035	711,142	12,823	99.7%	E.Waite	Ongoing - work in progress
2018	5161860533	Trenchless Manhole Rehabilitation - 2018	40,000	5,823	35,290	(1,113)	102.8%	E.Waite	Complete - Close once commitments are paid/cleared
2018	5161860574	Pre-Construction Mainline Condition	550,000	80,065	-	469,935	14.6%	E.Waite	Ongoing - work in progress
2018	5161860575	Mainline Sewer Condition Assessment Program - 2018	1,260,000	827,208	356,334	76,458	93.9%	E.Waite	Ongoing - work in progress
2018	5161860576	Sewer Lateral Condition Assessment Program - 2018	680,000	373,709	300,107	6,184	99.1%	E.Waite	Ongoing - work in progress
2018	5161860577	Mainline Sewer Condition Assessment for Compliance &	110,000	16,013	95,000	(1,013)	100.9%	E.Waite	Ongoing - work in progress
2018	5161860711	PW Capital Water Consumption Program - 2018	150,000	21,836	-	128,164	14.6%	E.Waite	Ongoing - work in progress

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2018	5161860820	Open Cut Repairs for CIPP Program - 2018	550,000	245,816	295,290	8,895	98.4%	E.Waite	Ongoing - work in progress
2018	5161860830	Windemere Rd Sewer Extension, Municipal Act	980,000	780,086	126,198	73,716	92.5%	E.Waite	Ongoing - work in progress
2018	5161861444	Sewer Lateral Replace/Rehab Program - 2018	4,139,000	2,856,569	1,259,511	22,919	99.4%	E.Waite	Ongoing - work in progress
2018	5161861825	Stipeley Neighbourhood (South) - Connaught / Balsam / Dunsmore	80,000	10,000	-	70,000	12.5%	E.Waite	\$70k being used to WIP fund 2019 Wastewater Lining program (5161960390) and then this project can be closed.
2018	5161862850	Eastern Interceptor Repair at the WWTP Aeration Tank	2,800,000	407,603	115,670	2,276,727	18.7%	E.Waite	Ongoing - work in progress. Project delayed due to works at Woodward WWTP. Consulting to be completed in 2019 and Construction to start 2020.
2018	5161871015	Sewer Lateral Replacement for Co-ordinated Projects - 2018	210,000	185,042	-	24,958	88.1%	E.Waite	Ongoing - work in progress
2018	5161871074	Contingency for Unscheduled Works Program - 2018	100,000	39,557	-	60,443	39.6%	E.Waite	% spent dependent on # of unscheduled works.
2018	5161871842	Locke St Sewer Rehabilitation	2,090,000	304,246	1,844,216	(58,462)	102.8%	E.Waite	Ongoing - Work in progress. To be completed by end of Q2 2019
2018	5161872840	Mohawk - Upper Ottawa to Upper Kenilworth	1,000,000	952,491	-	47,509	95.2%	E.Waite	Close after year end reporting
<b>Sub-Total Wastewater - Engineering Services</b>			<b>173,898,110</b>	<b>116,699,120</b>	<b>22,559,913</b>	<b>34,639,077</b>	<b>80.1%</b>		

**Storm Sewers - Engineering Services**

2012	5181272290	Storm Sewer Upgrades - 2012	7,596,000	7,262,784	226,616	106,600	98.6%	M.Oddi / P.McNab	Ongoing work in progress - outstanding commitment for the replacement of Grade Separation: Bridge 163, Centennial Parkway
2013	5181360312	Greenhill - Hwy 20 Culverts	2,110,000	1,032,986	726	1,076,287	49.0%	M.Oddi	\$1,070k being used to WIP fund storm component of the wastewater lining program and then this project can be closed once commitments are paid/cleared.
2013	5181372295	SERG - Mount Albion SWMF Rehab	670,000	174,308	5,558	490,134	26.8%	S.Jacob	Project not re-initiated yet. Will be active design in 2019 as it is a requirement from Hamilton Conservation Authority
2014	5181460422	SERG - Holbrook SW Improvement	940,000	666,920	-	273,080	70.9%	M.Oddi	\$270k being used to WIP Fund 2019 Catch Basin Replacement/Rehabilitation Program then this project can be closed.
2014	5181460423	SERG - Princess at Birch	90,000	11,172	-	78,828	12.4%	S.Jacob	Outstanding until Birch Ave- Phase 2 is implemented
2015	5181555077	Zoom Camera Inspection - Data Component	760,000	283,955	218,120	257,925	66.1%	E.Waite	Ongoing - work in progress. To be completed by end of 2020



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2015	5181560591	Barton St. Trunk Sewer Rehab - Strathearne to Weir	1,290,000	276,338	789,001	224,661	82.6%	E.Waite	Ongoing - work in progress. To be completed by Q2 2019.
2015	5181560999	Closed Projects - Storm	238,000	26,288	86,912	124,800	47.6%	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.
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	5181572295	SERG - LEEDS Implementation	320,000	146,403	62,733	110,864	65.4%	E.Waite	Complete - Close once commitments are paid/cleared
2016	5181655420	Wilson St Stormwater Drainage	2,440,000	1,692,287	43,929	703,785	71.2%	M.Oddi	\$700k surplus being used to WIP fund 2019. This project can then be closed once commitments are paid/cleared.
2016	5181660533	Trenchless Manhole Rehabilitation - 2016	80,000	35,355	40,111	4,534	94.3%	E.Waite	Complete - Close once commitments are paid/cleared
2016	5181662073	Field Data Systems Program - 2016	100,000	55,017	39,837	5,146	94.9%	I.Szczepanik	Anticipate 100% spent by Q1 2019.
2016	5181672074	Contingency for Unscheduled Works Program - 2016	150,000	35,370	26,345	88,286	41.1%	E.Waite / P.McNab	% spent dependent on # of unscheduled works.
2016	5181672259	SERG - Gage Park Pond	2,168,000	665,569	1,515,383	(12,952)	100.6%	M.Oddi	Ongoing - work in progress
2016	5181672290	Storm Sewer Upgrades - 2016	1,214,000	615,619	9,292	589,089	51.5%	M.Oddi / P.McNab	Close next BER
2016	5181672650	West Mtn Sewers - Juggernaut	12,849,000	5,315,780	7,460,439	72,781	99.4%	E.Waite	Ongoing - work in progress. To be complete by Q3-2019.
2017	5181749555	QA-QC Service Contract - 2017	60,000	24,433	11	35,556	40.7%	E.Waite	Ongoing - work in progress
2017	5181760533	Trenchless Manhole Rehabilitation - 2017	80,000	9,367	70,000	633	99.2%	E.Waite	Complete - Close once commitments are paid/cleared
2017	5181760730	McQueston Park Entrance - Flooding	250,000	1,168	-	248,832	0.5%	E.Waite	Ditch drainage restored by installing a driveway culvert at the park entrance by O&M. Staff reviewing an outlet for a section of storm sewer within the park.
2017	5181772290	Storm Sewer Upgrades - 2017	1,370,000	276,632	-	1,093,368	20.2%	M.Oddi / P.McNab	\$1,090k being used to WIP fund various 2019 projects. 1 of 4 projects tendered. Mohawk - Upper Ottawa to Upper Kenilworth storm scope cancelled. Two projects moved to 2026/27 due to LRT.
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
2018	5181849555	QA-QC Service Contract - 2018	86,000	30,984	54,754	262	99.7%	E.Waite	Ongoing - work in progress

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2018	5181855556	Mapping Update - 2018	40,000	5,823	-	34,177	14.6%	D.Lamont	Ongoing - work in progress. Anticipated 100% spent/committed by year end 2018.
2018	5181860533	Trenchless Manhole Rehabilitation - 2018	40,000	5,823	35,290	(1,113)	102.8%	E.Waite	In progress. To be complete by Q2-2019.
2018	5181870000	Coordinated Road and Subsurface Works	130,000	18,924	111,624	(549)	100.4%	M.Oddi / P.McNab	Ongoing - work in progress
2018	5181872074	Contingency for Unscheduled Works Program - 2018	100,000	14,557	-	85,443	14.6%	E.Waite	% spent dependent on # of unscheduled works.
2018	5181872290	Mackenzie - East 27th to Upper Sherman (Burkholme	103,000	56,773	-	46,227	55.1%	E.Waite	Complete. Close after year end reporting.
2018	5181872291	Catharine St N Sewer Replace	99,000	-	-	99,000	0.0%	E.Waite	Ongoing - work in progress. To be completed in 2019.
2018	5181872293	Bayside Ave Storm Sewer Replacement	750,000	155,998	-	594,002	20.8%	E.Waite	\$590k being used to WIP Fund various 2019 projects and then this project can be closed.
<b>Sub-Total Storm Sewers - Engineering Services</b>			<b>37,840,000</b>	<b>19,391,184</b>	<b>10,809,437</b>	<b>7,639,378</b>	<b>79.8%</b>		
<b>TOTAL WATER, WASTEWATER &amp; STORM SEWERS ENGINEERING SECTION</b>			<b>339,118,490</b>	<b>211,676,883</b>	<b>46,874,221</b>	<b>80,567,387</b>	<b>76.2%</b>		

**WATER WASTEWATER & STORM SEWERS OPERATIONS SECTION**

**Water - Operations**

2011	5141166151	SCADA Master Plan Implement	15,580,000	12,395,252	806,911	2,377,837	84.7%	D.Repath	Complete - pending final review/audit/payment
2014	5141455922	Water Loss Audit - 2014	202,000	90,351	23,931	87,717	56.6%	D.Alberton / Young	These funds to be fully spent by June 2019
2015	5141569075	Environmental Lab Improvements - 2015	70,000	41,385	22,910	5,705	91.9%	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	5141655851	Water Efficiency Plan - 2016	102,000	76,457	2,033	23,510	77.0%	J.Wagner	Will be completed and closed late 2018.
2016	5141660750	Unscheduled Valve, Hydrant etc. - 2016	2,500,000	1,968,232	496,983	34,785	98.6%	D.Alberton / Young	These funds are for the Emergency Water Repair contract and they will be fully spent by December 2018.

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2016	5141669075	Environmental Lab Improvements - 2016	150,000	23,940	77,991	48,069	68.0%	Vanderperk / Thomas	Anticipate 100% spent by year end 2018.
2017	5141751710	Fleet Additions - Hamilton Water - 2017	560,000	137,302	5,000	417,698	25.4%	D.Alberton / Young	To be fully spent by January 2020
2017	5141755851	Water Efficiency Plan - 2017	200,000	49,140	86,280	64,580	67.7%	J.Wagner	Will be completed and closed late 2018.
2017	5141757750	Carlisle AMR/AMI Pilot Project	250,000	136,114	36,240	77,646	68.9%	R.DiGiovanni	Project continues to run. This project should run till end of 2019, at which time the PO and project can be closed
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	5141761502	Water Meter - Installation /Replacement/Repair - General Maintenance	2,100,000	1,963,831	133,056	3,112	99.9%	R.DiGiovanni	Awaiting documentation from contractor in order to release 10% holdback. Once that is completed this project ID 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
2018	5141851810	Fleet Additions - Hamilton Water - 2018	580,000	50,533	-	529,467	8.7%	D.Alberton / Young	To be fully spent by January 2020
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	5141860750	Unscheduled Valve, Hydrant etc. - 2018	799,000	11,122	670,000	117,878	85.2%	D.Alberton / Young	2018 Project - ongoing work in progress
2018	5141861502	Water Meter - Installation/ Replacement/Repair - General Maintenance	2,800,000	1,911,947	770,142	117,911	95.8%	R.DiGiovanni	This project is ongoing and will run till Jan 31, 2019
2018	5141862078	Substandard Water Service Replacement Program - 2018	2,849,000	333,082	794,504	1,721,415	39.6%	D.Alberton / Young	2018 Project - ongoing work in progress
2018	5141869075	Environmental Lab Improvements - 2018	200,000	-	-	200,000	0.0%	Vanderperk	Anticipate 100% spent by year end 2019.
<b>Sub-Total - Hamilton Water - Operations</b>			<b>31,462,000</b>	<b>19,720,811</b>	<b>4,501,908</b>	<b>7,239,281</b>	<b>77.0%</b>		

**WasteWater - Operations**

2011	5161166151	SCADA Master Plan Implement	15,875,000	13,381,800	212,548	2,280,652	85.6%	D.Repath	Complete - pending final review/audit/payment
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.
2014	5161469076	BCOS-Beyond Compliance OP Sys	243,000	105,159	-	137,841	43.3%	Vanderperk / Girt	This project relates to the BCOS software upgrade and DWQMS maintenance. The monies will be spent 2018/2019.

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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	187,848	84,918	72,234	79.1%	Vanderperk / Thomas	Anticipate 100% spent by year end 2018.
2017	5161755422	Sewer Use Bylaw Enforcement Infor	80,000	7,765	29,270	42,965	46.3%	Vanderperk / Saunders	Anticipate spending 30, 000 by end of 2018. 10k for 2019
2017	5161760302	Emergency Repairs - Cross Connections - 2017	1,000,000	650,304	270,002	79,694	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	5161766423	Sewer Use Bylaw 14-090 Parameter Limit Review	300,000	107,953	7,984	184,063	38.6%	Vanderperk / Saunders	Will spend 111,453 by end of 2018. \$188,547 end of 2019. Anticipate 37 % by end of 2018
2017	5161769075	Environmental Lab Improvements - 2017	250,000	-	-	250,000	0.0%	Vanderperk / Thomas	Anticipate 100% spent by year end 2018.
2018	5161860302	Emergency Repairs - Cross Connections - 2018	500,000	135,451	246,892	117,657	76.5%	D.Alberton / Young	2018 - work in progress
2018	5161860522	Sewer Lateral Management Program (WWC) - 2018	4,500,000	2,033,388	1,355,664	1,110,949	75.3%	D.Alberton / Young	2018 - work in progress
2018	5161861740	Unscheduled Manhole & Sewermain - 2018	320,000	138,300	179,093	2,608	99.2%	D.Alberton / Young	2018 Project - ongoing work in progress
2018	5161869075	Environmental Lab Improvements - 2018	200,000	-	-	200,000	0.0%	Vanderperk	Anticipate 100% spent by year end 2019.
<b>Sub-Total - Hamilton WasteWater - Operations</b>			<b>25,142,000</b>	<b>16,780,256</b>	<b>2,386,370</b>	<b>5,975,374</b>	<b>76.2%</b>		
<b>Storm Sewers - Operations</b>									
2015	5181560515	Inlet-Outlet Storm Damage Repair - 2015	442,000	381,552	-	60,448	86.3%	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 August 2019.
2018	5181861740	Unscheduled Manhole & Sewermain - 2018	30,000	-	-	30,000	0.0%	D.Alberton / Young	These funds are for the Emergency Sewer Repair contract and will be fully spent by August 2019
<b>Sub-Total - Hamilton Storm Sewers - Operations</b>			<b>647,000</b>	<b>430,558</b>	<b>26,843</b>	<b>189,600</b>	<b>70.7%</b>		

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<b>Storm Sewers - Roads O&amp;M</b>									
2014	5181460452	Shoreline Protection Program	1,310,000	254,025	155,324	900,651	31.2%	E.Soldo	Procuring permits to advance construction work.
2014	5181460461	Forty Mile Municipal	100,000	91,363	-	8,637	91.4%	E.Soldo	Request for invoice processing with finance re cost sharing.
2014	5181460722	Municipal Drain Program - 2014/15	139,000	33,264	-	105,736	23.9%	E.Soldo	Close once contribution from developer has been received
2015	5181510501	Mathers Drive Bank Erosion Control and Slope Stabilization	1,100,000	98,830	38,271	962,899	12.5%	E.Soldo	Finalizing property agreements, tender to follow, construction Q1-2019
2016	5181617642	South St East Drainage Improve	160,000	24,733	135,070	196	99.9%	E.Soldo	Construction start Q4- 2018
2016	5181674640	Battlefield Creek Remediation	300,000	168,585	3,848	127,568	57.5%	E.Soldo	Project to remain open for monitoring.
2017	5181717152	Cross Road Culvert Program - 2017	1,370,000	542,777	787,346	39,878	97.1%	E.Soldo	Anticipate spent/committed Q4 2018 (Centre Rd)
2017	5181760622	SWM Facility Maintenance Program - 2017	1,600,000	1,387,522	214,089	(1,611)	100.1%	E.Soldo	Anticipate spent/committed Q4 2018
2017	5181767723	Pumping Stations	100,000	-	92,160	7,840	92.2%	E.Soldo	Committed/work anticipated to be complete Q1-2019
2017	5181774730	Centre Road Drainage Improvement	100,000	-	-	100,000	0.0%	E.Soldo	Permits still being sought with Conservation Authority
2018	5181817152	Cross Road Culvert Program - 2018	1,380,000	116,348	569,852	693,800	49.7%	E.Soldo	Works in progress
2018	5181817458	Catch Basin Replacement/Rehabilitation Program - 2018	575,000	266,380	303,164	5,456	99.1%	E.Soldo	Works in progress
2018	5181817549	Concrete Box Culvert Rehabilitation/Repair (< 3.0m span)	150,000	52,515	97,113	372	99.8%	E.Soldo	Anticipate project completion Q4-2018
2018	5181860622	SWM Facility Maintenance Program - 2018	1,200,000	164,658	527,390	507,953	57.7%	E.Soldo	Works in progress

City of Hamilton Capital Projects Status Report - Public Works Rate Supported Projects  
As of September 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 September 30, 2018
			a	b	c	d	e		
2018	5181860722	Municipal Drain Program - 2018	280,000	-	-	280,000	0.0%	E.Soldo	Work in progress-Q4-2018
2018	5181874840	Sydenham Interceptor Swale Re-construction	260,000	-	-	260,000	0.0%	E.Soldo	Reevaluating project needs, monitoring site condition
2018	5181874841	Lower Davis Creek - Flood Control Facility	250,000	-	43,750	206,250	17.5%	E.Soldo	Design and tender preparation in progress.
<b>Sub-Total - Hamilton Storm Sewers - Roads O&amp;M</b>			<b>10,374,000</b>	<b>3,201,000</b>	<b>2,967,376</b>	<b>4,205,624</b>	<b>59.5%</b>		
<b>TOTAL WATER, WASTEWATER &amp; STORM SEWERS - OPERATIONS</b>			<b>67,625,000</b>	<b>40,132,625</b>	<b>9,882,497</b>	<b>17,609,879</b>	<b>74.0%</b>		
<b>Total Public Works - Rate Supported</b>			<b>912,449,232</b>	<b>423,484,487</b>	<b>283,847,188</b>	<b>205,117,556</b>	<b>77.5%</b>		