

**City of Hamilton Capital Projects Status Report - Public Works Rate Supported Projects
As of December 31, 2017**

YEAR APPROVED	PROJECT ID	DESCRIPTION	APPROVED BUDGET (\$)	ACTUAL EXPENDITURES (\$)	PO COMMITMENTS (\$)	AVAILABLE BALANCE (\$) d = a - b - c	% COMPLETE e = (b+c) / a	Project Manager	STATUS EXPLANATION as of December 31, 2017
			a	b	c	d	e		
<u>CAPITAL DELIVERY SECTION</u>									
Water Rates									
2006	5140667650	Carlisle Communal Well Upgrade	4,840,000	4,690,929	20,120	128,951	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 Q1 2018.
2009	5140967950	ISF-672-Ferguson PS Upgrade	22,730,000	22,972,241	22,624	(264,865)	101.2%	S. Leitch	STATUS: Substantially Performed. Work in Progress - Investigation of the vertical turbine pump issues. NEXT STEPS: Completion Q1 2018. Negative balance due to unanticipated tax changes and internal staffing allocation.
2009	5140967951	ISF-714-Hillcrest Reservoir	13,400,000	12,734,081	85,000	580,919	95.7%	S. Leitch	STATUS: Work Completed (Hillcrest Reservoir Phase 2, Royal Botanical Gardens Annual Reporting on Butternut Trees). NEXT STEPS: Account to be closed once final invoices are paid and outstanding purchase orders have been closed Q1 2018.
2010	5141061303	Valve Chamber No 3 First-Isaac	2,790,000	2,433,362	485,940	(129,302)	104.6%	S. Leitch	STATUS: Substantially Performed. NEXT STEPS: Account to be closed once maintenance and warranty period expires Q2 2018. Negative balance due to internal staffing allocation, anticipate a project surplus upon completion which will reconcile overrun.
2011	5141166110	WTP - Process Upgrades	8,150,000	2,015,928	1,045,525	5,088,547	37.6%	S. Leitch	STATUS: Work in Progress - Design of Woodward WTP Upgrades - Phase 1 (8 Contractors Pre-Qualified for Construction). NEXT STEPS: Tender for Construction Q2 2018.
2012	5141267270	Water Control Valve Upgrades	4,060,000	302,941	2,075,928	1,681,130	58.6%	S. Leitch	STATUS: Work in Progress - Construction. NEXT STEPS: Substantial Performance Q2 2018.
2012	5141267271	PS HD018 Hwy 53 & HD011 Osler	740,000	644,353	64,391	31,255	95.8%	S. Leitch	STATUS: Substantially Performed (Osler HD011 Immediate Needs). NEXT STEPS: Account to be closed once maintenance and warranty period expires Q3 2018.
2012	5141267272	Hillcrest Reservoir - HDR02	12,200,000	10,517,995	1,406,835	275,170	97.7%	S. Leitch	STATUS: Substantially Performed (Hillcrest Reservoir Upgrades). Design - Security Gate. NEXT STEPS: Account to be closed once maintenance and warranty period expires Q3 2018 (Hillcrest Reservoir Upgrades). Construction - Security Gate Q1 2018.
2012	5141267274	Kenilworth PS - HD005 Upgrades	3,025,000	464,908	152,607	2,407,485	20.4%	S. Leitch	STATUS: Work in Progress - Design (4 Contractors Prequalified for Construction). NEXT STEPS: Tender for Construction Q1 2018.
2012	5141267275	SC Water Outstations Upgrade	3,890,000	3,690,604	75,885	123,511	96.8%	S. Leitch	STATUS: Work Completed (Greenhill Reservoir). Work in Progress - Substantially Performed (Stoney Creek Outstations Phase 1). NEXT STEPS: Issue Project Charter Q1 2017 (Ben Nevis Dewitt Reservoir Phase 2 - West Cell Upgrades).

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2012	5141269250	HVAC Upgrade New Lab & Admin	5,400,000	902,873	156,749	4,340,379	19.6%	S. Leitch	STATUS: Work in Progress - Design (4 Contractors Prequalified for Construction). NEXT STEPS: Awarding Tender for Construction (New Lab Extension) Q1 2018.
2013	5141395353	Ferguson HD002 Pumping Stn	2,270,000	169,924	93,140	2,006,936	11.6%	S. Leitch	STATUS: Work in Progress - Condition Assessment (HD0X2 Old Ferguson Water Pumping Station). NEXT STEPS: Request for Proposals for Design - New Ferguson PS (Phase 2 Upgrades) Q1 2018.
2015	5141567520	HDR05 Reservoir Upgrades	4,192,000	184,253	412,939	3,594,808	14.2%	S. Leitch	STATUS: Work in Progress - Design. NEXT STEPS: Request for Prequalified Contractors Q1 2018.
2015	5141567525	HDR08 Reservoir Decommission	520,000	294,661	109,697	115,643	77.8%	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	-	542,467	1.4%	S. Leitch	STATUS: Condition Assessment and Scope - Kenilworth Reservoir (HDR01) West Cell Roof Repairs. NEXT STEPS: Construction.
2015	5141567575	High Lift PS Upgrades Phase 2	880,000	189,548	170,041	520,411	40.9%	S. Leitch	STATUS: Work in Progress - Field Study (HLPS Power Distribution & Protection Setup). NEXT STEPS: Request for Prequalified Contractors - Power Distribution (Recommissioning) Q2 2018.
2015	5141567576	Low Lift PS Upgrades Phase 2	470,000	144,461	25,209	300,330	36.1%	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	161,206	222,926	5,215,868	6.9%	S. Leitch	STATUS: Work in Progress - Design (Physical Security - Fencing). NEXT STEPS: Request for Prequalified Contractors (Physical Security - Fencing) Q1 2018.
2016	5141666110	WTP - Corrosion Control	7,660,000	682,190	6,342,384	635,425	91.7%	S. Leitch	STATUS: Work in Progress - Construction. NEXT STEPS: Substantial Performance Q4 2018.
2016	5141666515	WTP - Surge Tower Upgrades	480,000	56,588	13,949	409,464	14.7%	S. Leitch	STATUS: Substantially Performed. NEXT STEPS: Account to be closed once final invoices are paid and outstanding purchase orders have been closed, and Capital Budget Appropriation Form in progress to transfer \$300k to 5141666608.
2016	5141666608	Lynden Additional Water Supply	3,250,000	123,070	719,660	2,407,270	25.9%	S. Leitch	STATUS: Work in Progress - Design (Evaluating Applications from 3 Prequalified Contractors for Construction). NEXT STEPS: Tender for Construction Q2 2018.
2016	5141667420	Ben Nevis & Dewitt HD08A WPS	1,710,000	88,013	473,575	1,148,412	32.8%	S. Leitch	STATUS: Work in Progress - Design. NEXT STEPS: Request for Prequalified Contractors Q1 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	2,040,000	111,017	444,081	1,484,902	27.2%	S. Leitch	STATUS: Work in Progress - Design (3 Contractors Prequalified for Construction). NEXT STEPS: Tender for Construction Q1 2018.

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2016	5141667424	Freelton Tower HDT03 Upgrades	3,600,000	149,968	307,206	3,142,826	12.7%	S. Leitch	STATUS: Work in Progress - Design (2 Contractors Prequalified for Construction). NEXT STEPS: Tender for Construction Q1 2018.
2016	5141695883	York & Valley HD016 WPS (W-26)	3,710,000	21,435	-	3,688,565	0.6%	S. Leitch	STATUS: Work Completed - Conceptual Review. NEXT STEPS: Request for Proposals for Design Q1 2018.
2017	5141766421	WTP Fluoride Building HVAC	390,000	-	-	390,000	0.0%	S. Leitch	STATUS: Work in Progress - Developing Roster Invitation for Design. NEXT STEPS: Design Q3 2018.
2017	5141767420	Carlisle Well Stn Sys Enhance	440,000	3,569	-	436,431	0.8%	S. Leitch	STATUS: Work in Progress - Scope Verification. NEXT STEPS: Request for Proposals for Design Q1 2018.
2017	5141767650	New Greensville Communal Well	390,000	46,013	46,842	297,145	23.8%	S. Leitch	STATUS: Awaiting completion of Schedule C EA for the Greensville New Well. NEXT STEPS: Issue Project Charter Q1 2019.
2017	5141795850	Greenhill PS HD04B & HD05A	720,000	66,961	83,533	569,507	20.9%	S. Leitch	STATUS: Work in Progress - Design (Immediate Needs). NEXT STEPS: Request for Prequalified Contractors for Construction (Immediate Needs) Q1 2018.
Sub-Total Capital Delivery - Water			126,137,000	63,875,733	15,056,784	47,204,483	62.6%		

Wastewater - Rates

2007	5160795760	Southcote PS&Forcemain-HC008	6,312,100	2,913,990	239,466	3,158,643	50.0%	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 Q1 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). Substantially Performed (Pumping Station). NEXT STEP: Account to be closed once outstanding deficiencies are completed (Pumping Station) Q1 2018. Negative balance due to staffing allocation.
2009	5160966912	Decommission Waterdown WWTP-WW08	6,000,000	623,926	90,596	5,285,479	11.9%	S. Leitch	STATUS: Work in Progress - Design (7 Contractors Prequalified for Construction). NEXT STEPS: Tender for Construction Q1 2018.
2010	5161066065	Waste Hauler Receiving Station	2,540,000	495,789	127,123	1,917,088	24.5%	S. Leitch	STATUS: Work in Progress - Design (5 Contractors Prequalified for Construction). NEXT STEPS: Awarding Tender for Construction Q1 2018.
2010	5161067751	WW Outstns-Asset Management	710,000	705,514	205,344	(200,858)	128.3%	S. Leitch	STATUS: Substantially Performed (HC019 & HC031 Carbon Filters). NEXT STEPS: Account to be closed once final invoices are paid and purchase orders have been closed Q1 2018.
2012	5161261240	WSI-Leeds-Burl E Gate Removal	300,000	265,772	43,105	(8,877)	103.0%	S. Leitch	STATUS: Work Completed - Design. NEXT STEPS: City's Linear (Roads) Infrastructure improvements program to coordinate Construction in 2022. Account to be closed once final invoices are paid and purchase orders have been closed Q1 2018.

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2012	5161266213	Dundas WWTP Improvements	3,070,000	385,964	0	2,684,036	12.6%	S. Leitch	STATUS: Project On Hold. Work Completed - Feasibility Study to extend the Dundas wastewater treatment plant outfall & Preliminary Asset Replacement Study for Future Use of the Dundas WWTP.
2012	5161267270	Ancaster WW Outstations	6,310,000	2,586,389	1,508,483	2,215,128	64.9%	S. Leitch	STATUS: Work in Progress - Construction (HC009, HC013) & Design (HC005). NEXT STEPS: Substantial Performance Q1 2018 (HC009, HC013) & Request for Prequalified Contractors Q1 2018 (HC005).
2012	5161267273	Dundas WW Outstations	2,450,000	869,906	311,922	1,268,172	48.2%	S. Leitch	STATUS: Work in Progress - Construction (DC005, DC006). NEXT STEPS: Substantial Performance Q1 2018 (DC005, DC006). Request for Proposals for Design (DC010) Q1 2018.
2013	5161367360	Cormorant & Osprey (HC014)	4,610,000	3,331,794	1,113,324	164,882	96.4%	S. Leitch	STATUS: Work in Progress - Construction. NEXT STEPS: Substantial Performance Q1 2018.
2013	5161367374	Waterdown Outstation Upgrades	3,420,000	3,138,117	172,765	109,118	96.8%	S. Leitch	STATUS: Substantially Performed (DC013, FC003). NEXT STEPS : Account to be closed once maintenance and warranty period expires Q2 2018.
2014	5161467756	Greenhill & Cochrane HCS01	1,060,000	176,205	0	883,795	16.6%	S. Leitch	STATUS: Work Completed - Life Cycle Analysis. NEXT STEPS: Issue Project Charter Q1 2018.
2015	5161595858	Binbrook PS Upgrade (WW-20)	2,640,000	550,296	566,765	1,522,938	42.3%	S. Leitch	STATUS: Work in Progress - Design (3 Contractors Prequalified for Construction). NEXT STEPS: Tender for Construction Q1 2018.
2016	5161667622	FC001 DC009 HC011 Upgrades	740,000	41,803	117,418	580,779	21.5%	S. Leitch	STATUS: Work in Progress - Design (FC001, DC009). NEXT STEPS: Request for Prequalified Contractors for Construction Q1 2018 (FC001, DC009). Issue Project Charter Q1 2018 (HC011).
2017	5161766421	WWTP Methane Sphere Upgrades	4,400,000	1,773,537	2,869,313	(242,850)	105.5%	S. Leitch	STATUS: Work in Progress - Construction. NEXT STEPS: Substantial Performance Q1 2018.
2017	5161767420	Parkdale Av HC001 WW Stain Upg	550,000	0	0	550,000	0.0%	S. Leitch	NEXT STEPS: Issue Project Charter Q4 2017.
2017	5161796786	First Street PS Upgrade DC014	1,520,000	5,000	0	1,515,000	0.3%	S. Leitch	STATUS: Work in Progress - Evaluating Proposals from 4 Proponents for Design. NEXT STEPS: Award Design Q1 2018.
Sub-Total Capital Delivery - Wastewater			51,402,100	22,470,545	7,755,189	21,176,366	58.8%		
TOTAL CAPITAL DELIVERY SECTION			177,539,100	86,346,278	22,811,973	68,380,849	61.5%		

INFRASTRUCTURE PLANNING & SYSTEMS DESIGN

Water - Rates

2009	5140995956	Water Distribution Model	500,000	101,476	22,925	375,599	24.9%	U. Ehrenberg	STATUS: Work in Progress - WaterCad Model Review and Identification of Data Gaps. NEXT STEPS: Completion Q2 2018. Account to be closed after O/S PO Commitments have been moved to 5141895956.
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2013	5141395354	PD18 Elevated Reservoir W14	2,550,000	198,669	61,673	2,289,658	10.2%	U. Ehrenberg	STATUS: Work in Progress - Class EA and Conceptual Design, Terrestrial and Avian Assessments. NEXT STEPS: Alternative Location needs to be identified due to Airport restrictions. Land Purchase is in the Critical Path, Completion of EA is Q4 2018.
2014	5141495551	PD7 Elevated Reservoir W-23	1,440,000	35,697	108,483	1,295,820	10.0%	U. Ehrenberg	STATUS: Work in Progress - EA & Conceptual Design of PD7 Elevated Tower / Reservoir & New Pumping Station. NEXT STEPS: EA Completion Q4 2018.
2015	5141564533	Up Wentworth - Hydro to Twenty	200,000	12,638	0	187,362	6.3%	U. Ehrenberg	STATUS: On Hold. NEXT STEPS: City Wide Water and Wastewater Master Plan will dictate whether this is required
2015	5141567273	HD17A PS Replace Decommission	1,650,000	4,047	0	1,645,953	0.2%	U. Ehrenberg	NEXT STEPS: Issue Project Charter Q1 2018.
2015	5141595553	HD12A PS Upgrades (W-04)	720,000	29,400	78,279	612,321	15.0%	U. Ehrenberg	STATUS: Work Completed - Land Negotiations. Work in Progress - Phase One & Two Environmental Site Assessment (ESA) & pre-demolition Designated Substances / Hazardous Materials Survey. NEXT STEPS: Completion of EA Q1 2018.
2015	5141555010	Water Systems Planning	450,000	242,245	178,798	28,957	93.6%	U. Ehrenberg	STATUS: Work in Progress - Servicing alternatives for Ancaster, Screening of Development Applications, Pressure District Boundary Condition Characterization. NEXT STEPS: Completion Q4 2018.
2015	5141555264	City-Wide Water MP	550,000	47,395	499,252	3,353	99.4%	U. Ehrenberg	STATUS: Work in Progress - Citywide Water Wastewater Storm Master Plan. NEXT STEPS: Completion Q2 2020.
2016	5141664632	Twenty (Greti) to Upper James	1,610,000	158,194	0	1,451,806	9.8%	U. Ehrenberg	STATUS: On Hold. NEXT STEPS: City Wide Water and Wastewater Master Plan will dictate whether this is required
2017	5141767422	New PD2 Water PS	500,000	0	0	500,000	0.0%	U. Ehrenberg	STATUS: Work in Progress - Citywide Water Wastewater Stormwater Master Plan will confirm the need for this pumping station. NEXT STEPS: Completion Master Plan Q2 2020. Budget is being reserved for Land Acquisition.
2017	5141755010	Water System Planning	300,000	116,046	110,476	73,479	75.5%	U. Ehrenberg	STATUS: Support for ongoing water system analysis of the LRT intensification corridor, Screening and development application services, Pressure District Boundary Condition Characterization. NEXT STEPS: Completion Q4 2018.
Sub-Total Infrastructure Planning & Systems Design - Water			10,470,000	945,806	1,059,885	8,464,309	19.2%		

Wastewater - Rates

2007	5160755640	Non-trunk Flow Monitoring	500,000	104,478	398,089	(2,567)	100.5%	U. Ehrenberg	STATUS: Work Complete - Design of Wet Weather Control. NEXT STEPS: Completion of Conceptual Design Q1 2018. Negative balance due to unanticipated tax changes.
2008	5160867751	WW Outstns - Asset Management	2,655,000	1,222,200	1,460,941	(28,140)	101.1%	U. Ehrenberg	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	142,518	315,874	96,608	82.6%	U. Ehrenberg	STATUS: Work in Progress - Flooding and Drainage Master Plan. NEXT STEP: Completion Q3 2018.
2015	5161555264	City-Wide Wastewater MP	550,000	323,525	227,086	(611)	100.1%	U. Ehrenberg	STATUS: Work in Progress - Citywide Water Wastewater Storm Master Plan. NEXT STEPS: Completion Q2 2020.

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2015	5161555640	Non-Trunk Flow Monitoring	440,000	259,063	100,634	80,303	81.7%	U. Ehrenberg	STATUS: Citywide Sanitary Service Flow Monitoring, Rain Gauges Flow Monitoring Services. NEXT STEPS: Completion Q1 2020.
2015	5161555955	Inflow & Infiltration	474,000	224,288	123,312	126,400	73.3%	U. Ehrenberg	STATUS: Work in Progress - HC058 Capacity Analysis and Wet Weather Relief Class EA, West Mountain Flow Monitoring & West 18th, Riverdale East Flooding. NEXT STEPS: Completion Q4 2018.
2015	5161557545	Wastewater Computer Model	550,000	76,082	177,873	296,045	46.2%	U. Ehrenberg	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.
2015	5161567564	HC005 - Schedule C EA	990,000	124,178	153,299	712,524	28.0%	U. Ehrenberg	STATUS: Work in Progress - Emergency Overflow Schedule C Municipal Class EA. NEXT STEPS: EA Completion Q4 2018. Detailed Design to follow.
2016	5161655010	Wastewater Systems Planning	300,000	232,865	67,166	(31)	100.0%	U. Ehrenberg	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	0	215,753	1.9%	U. Ehrenberg	STATUS: Work Completed - Flow Monitoring and Model calibration. NEXT STEPS: Detailed Design Q1 2018.
2016	5161655351	Lawfield & Berrisfield Area	75,000	113,735	0	(38,735)	151.6%	U. Ehrenberg	STATUS: Work Completed - Smoke Testing, Manhole Inspection, Conceptual Design of Neighbourhood I/I Reduction. NEXT STEPS: Consultation with HW Sr Management to decide which solution to pursue. Community Outreach and Education to follow.
2016	5161661434	Upsize Wilson Street Forcemain	50,000	4,875	0	45,125	9.8%	U. Ehrenberg	NEXT STEPS: Issue Project Charter Q1 2018.
2016	5161667421	New Haulage Receiving Station	1,140,000	13,741	137,894	988,365	13.3%	U. Ehrenberg	STATUS: Work in Progress - Class EA and Conceptual Design. NEXT STEPS: EA Completion Q4 2018. Detailed Design to follow.
2016	5161695747	Battlefield Trunk Sewer WW-33	1,650,000	124,279	0	1,525,721	7.5%	S. Jacob	STATUS: Scope and timing to be confirmed in Citywide Master Plan. NEXT STEPS: Detailed Design by Engineering Services to follow.
2016	5161696452	AEGD - Dickenson Rd FM & Sewer	2,750,000	255,747	5,025	2,489,228	9.5%	U. Ehrenberg	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	79,626	209,025	11,349	96.2%	U. Ehrenberg	STATUS: Work in Progress - Pollution Control Plan, Riverdale East Flooding Investigation, Wastewater system analysis of the LRT intensification corridor, CSO Reporting. NEXT STEPS: Completion Q4 2018. Negative balance due to internal staffing chargebacks.
2017	5161755640	Non-Trunk Flow Monitoring	100,000	10,003	0	89,997	10.0%	U. Ehrenberg	STATUS: Citywide Sanitary Service Flow Monitoring. NEXT STEPS: Completion Q1 2020.

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2017	5161755955	Inflow & Infiltration	300,000	45,620	0	254,380	15.2%	U. Ehrenberg	NEXT STEPS: Construction of I & I Reduction (West 18th Neighbourhood) Q4 2018.
2017	5161757420	SCADA Rain Gauges	50,000	0	0	50,000	0.0%	U. Ehrenberg	NEXT STEPS: Issue Project Charter Q1 2018.
Sub-Total Infrastructure Planning & Systems Design -			13,649,000	3,361,068	3,376,217	6,911,714	49.4%		

Storm water - Rates

2012	5181260214	Parkside and Kipling Flood	1,330,000	316,065	8,303	1,005,632	24.4%	U. Ehrenberg	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	435,660	104,343	2,029,996	21.0%	U. Ehrenberg	STATUS: Work in Progress - Enhanced Functional Design and Topographic Survey. NEXT STEPS: Completion of Enhanced Functional Design Q1 2018. Detailed Design to follow.
2012	5181274800	Watercourse 5 and 6	3,850,000	378,620	32,574	3,438,807	10.7%	U. Ehrenberg	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	307,225	81,625	351,150	52.5%	U. Ehrenberg	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	4,345	449,999	190,657	70.4%	U. Ehrenberg	STATUS: Work in Progress - Flooding and Drainage Master Plan. NEXT STEP: Completion Q3 2018.
2015	5181555422	GRIDS II - Stormwater MP	550,000	43,589	499,252	7,159	98.7%	U. Ehrenberg	STATUS: Work in Progress - Citywide Water Wastewater Storm Master Plan. NEXT STEPS: Completion Q2 2020.
2015	5181562590	SWMP Retrofits	440,000	0	0	440,000	0.0%	U. Ehrenberg	NEXT STEPS : Issue Project Charter for the Analysis & Conceptual Design - Stormwater Management Pond Retrofits (Ponds # 67, 9, 54, 52, 35, 14) Q1 2018.
2016	5181655075	SERG - Watershed Proj Coord	500,000	95,993	181,339	222,667	55.5%	U. Ehrenberg	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%	U. Ehrenberg	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	0	0	280,000	0.0%	U. Ehrenberg	STATUS: Work in Progress - Detailed Drainage Assessment Study (Phase 2) - Development of Existing Residential (ER) Neighbourhoods in Rural Ancaster. NEXT STEPS: Completion Q1 2019.

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			a	b	c	d	e		
2017	5181755421	SERG - SW System Planning	280,000	6,782	32,337	240,881	14.0%	U. Ehrenberg	STATUS: Wilson Street Stormwater Drainage Plan. NEXT STEPS: City-wide Stormwater Infrastructure Field Verification & GIS Database Update for Modelling Q2 2018.
Sub-Total Infrastructure Planning & Systems Design - Storm			11,465,000	1,614,899	1,418,400	8,431,700	26.5%		
TOTAL INFRASTRUCTURE PLANNING & SYSTEMS DESIGN			35,584,000	5,921,773	5,854,503	23,807,724	33.1%		

SUSTAINABLE INITIATIVES SECTION

Water - Rates

2005	5140566508	Lynden Water Supply – Land&EA	1,790,000	1,806,541	5,179	(21,720)	101.2%	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.
2011	5141167150	Greenville New Well – EA	720,000	921,211	37,154	(238,365)	133.1%	B. Posedowski	STATUS: Pumping Test and Hydrogeologic investigation, Greenville Subwatershed Study Report complete. Work in Progress - New Greenville Municipal Well Schedule C EA. NEXT STEPS: Completion of EA Q3 2018.
2015	5141555555	City Wide Groundwater Model	710,000	197,077	78,410	434,513	38.8%	B. Posedowski	STATUS: Work in Progress - City Wide Groundwater Model (Delineation of Greenville & Lynden Wellhead Protection Areas). NEXT STEPS: City Wide Groundwater Model Expansion, Database and Stratigraphic Update, Web Interface Development Q3 2018.
2016	5141655420	Freelton Water Meter Accuracy	110,000	93,078	55,113	(38,191)	134.7%	B. Posedowski	STATUS: Field work and communications to residents concerning home meter replacement complete. Work in Progress - Final Report. NEXT STEPS: Completion Q2 2018.
2016	5141667423	Freelton Well FDF01 Capacity	330,000	56,748	90,827	182,425	44.7%	B. Posedowski	STATUS: Work in Progress - Hydrogeological study for the identification of increased capacity at FDF01 in the Freelton water supply. NEXT STEPS: Completion Q2 2018.
2017	5141767752	WW Outstation Inspection - AM	550,000	27,297	322,880	199,823	63.7%	B. Posedowski	STATUS: Work in Progress - Design of Facility Asset Management Program, Condition Assessments (HDR00, HD002 STK, HD12A, Chlorine Building), Access Options for HDR2A Reservoir, Energy Audit of HW facilities (Phase II). NEXT STEPS: Completion Q3 2019.
Sub-Total Sustainable Initiatives - Water			4,210,000	3,101,952	589,564	518,485	87.7%		

Wastewater - Rates

2013	5161367752	WW Outstation Inspection - AM	645,000	74,850	547,531	22,619	96.5%	B. Posedowski	STATUS: Work in Progress - Design for Facility Asset Management Program. Condition Assessment (HC017 Eastport SPS). NEXT STEPS: Completion Q3 2019.
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			a	b	c	d	e		
2017	5161767752	WW Outstn Insp -Asset Mgm Prog	220,000	13,370	18,331	188,299	14.4%	B. Posedowski	STATUS: Energy Audit of HW facilities (Phase II). NEXT STEPS: Completion Q1 2018.
Sub-Total Sustainable Initiatives - Wastewater			865,000	88,220	565,862	210,918	75.6%		
TOTAL SUSTAINABLE INITIATIVES SECTION			5,075,000	3,190,172	1,155,426	729,403	85.6%		

WOODWARD UPGRADES SECTION

Wastewater - Rates

2008	5160866801*	Woodward WWTP - Clean Harbour	225,163,732	39,757,095	185,406,637	(0)	100.0%	D. Chauvin	STATUS: GIF Funded. \$332M 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	5,020,000	3,461,560	4,864,399	(3,305,959)	165.9%	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	45,437	124,895	96.2%	D. Chauvin	STATUS: Work Completed. NEXT STEPS: Account to be closed once final invoices are paid and outstanding purchase orders have been closed.
2015	5161555545	Capital Works Information Mgmt	280,000	0	0	280,000	0.0%	D. Chauvin	STATUS: Work in Progress - Project Management Office / Business Intelligence Collaborative Project (Phase 1 - Automate Existing PMO Reporting System). NEXT STEPS: Phase 2 Q3 2018.
Sub-Total Woodward Upgrades - Wastewater			233,743,732	46,328,322	190,316,473	(2,901,064)	101.2%		
TOTAL WOODWARD UPGRADES SECTION			233,743,732	46,328,322	190,316,473	(2,901,064)	101.2%		

*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	12,283,525	1,020,359	2,276,117	85.4%	G. Botha	STATUS: SCADA Master Plan implementation and construction will continue until Q4 2017
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).

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2016	5141666713	Annual Water Maintenance	600,000	399,913	154,840	45,247	92.5%	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 Q2 2018.
2017	5141766711	Annual Water Treatment Studies	250,000	50,579	47,486	151,935	39.2%	G. Botha	STATUS: Work in Progress - Condition Assessment (Chlorine Chemical Building), Assessment of current CT calculations. NEXT STEPS: Completion Q4 2018.
2017	5141766713	Annual Water Maintenance	2,500,000	0	322,955	2,177,045	12.9%	G. Botha	STATUS: Work in Progress. NEXT STEPS: Pre-Purchase of Equipment & Tender for Construction - Low Lift Pumping Station Traveling Screen Replacement (Q2 2018).
Sub-Total Plant Maintenance & Technical Services - Water			19,180,000	12,784,923	1,551,115	4,843,962	74.7%		

Wastewater - Rates

2011	5161166151	SCADA Master Plan Implement	15,875,000	13,219,296	578,417	2,077,287	86.9%	G. Botha	SCADA Master Plan implementation and construction will continue until Q4 2017
2017	5161766713	Wastewater Maintenance Capital	3,500,000	919,274	1,510,574	1,070,153	69.4%	G. Botha	STATUS: Work in Progress. NEXT STEPS: Completion Q4 2019.
2017	5161766745	Woodward WWTP-Oper Readiness	3,800,000	43,067	71,406	3,685,527	3.0%	G. Botha	STATUS: Design - Replacement of Membrane Tube Diffusers at the Woodward WWTP. NEXT STEPS: Tender for Construction - HSAER North Aeration Diffuser Installation & Step Feed Weir Refurbishment Q1 2018, Design - North Secondary Clarifiers Q1 2018.
Sub-Total Plant Maintenance & Technical Services -			23,175,000	14,181,637	2,160,397	6,832,967	70.5%		
TOTAL PLANT MAINTENANCE & TECHNICAL SERVICES			42,355,000	26,966,560	3,711,511	11,676,929	72.4%		

WATER & WASTEWATER PLANNING AND CAPITAL SECTION

Corporate Project Program - Tax

2009	2110953900	Randle Reef Rehab Project	6,500,000	6,222,735	-	277,265	95.7%	M. Bainbridge	STATUS: Cash Flow Budget approved by Finance. Stage 1 Construction nearing completion. Stage 2 awarded June 2017 and planned to start spring 2018. NEXT STEPS: Estimated Completion - Stage 1 April 2017, Stage 2 Q1 2020. Tendering Stage 3 planned for 2019.
Sub-Total Water & Wastewater Planning & Capital -			6,500,000	6,222,735	0	277,265	95.7%		

Wastewater - Rates

2014	5161468422	Randle Reef Sediment Remediate	4,000,000	4,000,000	2,000,000	(2,000,000)	150.0%	M. Bainbridge	STATUS: Cash Flow Budget approved by Finance. Stage 1 Construction nearing completion. Stage 2 awarded June 2017 and planned to start spring 2018. NEXT STEPS: Estimated Completion - Stage 1 April 2017, Stage 2 Q1 2020. Tendering Stage 3 planned for 2019.
Sub-Total Water & Wastewater Planning & Capital -			4,000,000	4,000,000	2,000,000	(2,000,000)	150.0%		
TOTAL WATER & WASTEWATER PLANNING AND CAPITAL SECTION			10,500,000	10,222,735	2,000,000	(1,722,735)	116.4%		

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			a	b	c	d	e		

HAMILTON WATER & WASTEWATER- DIRECTOR

Water - Rates

2015	5141557543	Workforce & Time Mgmt-Kronos	430,000	365,381	7,703	56,917	86.8%	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	250,000	0	0	250,000	0.0%	A. Grice	NEXT STEPS: Evaluate yard options which includes an analysis of site requirements and potential locations.
<u>Sub-Total - Water</u>			430,000	365,381	7,703	56,917	86.8%		

Wastewater - Rates

2016	5161641226	Centralized W-WW OPumping Station Centre	250,000	0	0	250,000	0.0%	A.Grice	NEXT STEPS: Evaluate yard options which includes an analysis of site requirements and potential locations.
<u>Sub-Total Roads - Wastewater</u>			250,000	0	0	250,000	0.0%		

TOTAL HAMILTON WATER & WASTEWATER DIRECTOR

680,000	365,381	7,703	306,917	54.9%
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WATER & WASTEWATER ENGINEERING SERVICES SECTION

Water - Engineering Services

2013	5141396351	Garner Watermain Trunk W09	530,000	171,795	0	358,205	32.4%	E. Waite	Project Delayed to 2021 construction due to Master Plan revisions to be completed by end of 2019
2013	5141371301	WM Replace Program - Coordinated with Roads - 2013	11,370,000	10,754,882	182,615	432,503	96.2%	M. Oddi/ P. McNab	Construction complete. Awaiting billing from CN. \$430k surplus at this time.
2014	5141455425	Concrete Pipe Condition Assessment	2,230,000	1,287,307	321,627	621,066	72.1%	E. Waite	Ongoing - work in progress. Claim for CWWF funding underway.
2014	5141461300	Wm Replacement Program - 2014	1,250,000	450,959	0	799,041	36.1%	M. Oddi/ P. McNab	\$200k being used to WIP fund Patrick - Walnut to west end which has been rebudgeted in 2018/2019. The balance of funds will be used to with fund Brampton - Parkdale to Strathearne which has been rebudgeted in 2019.
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	149,638	381,810	93.3%	M. Oddi	Complete - Close once commitments are paid/cleared
2015	5141596152	PD11 (Governor's Rd) Extend	1,120,000	34,258	0	1,085,742	3.1%	S. Jacob	Construction in 2018
2015	5141596153	PD22 (Governor's Rd) Extend	900,000	58,090	14,950	826,960	8.1%	S. Jacob	Construction in 2018
2015	5141596550	Stone Church Feedermain (W-24)	25,300,000	2,109,327	147,145	23,043,528	8.9%	S. Jacob	Functional design ongoing

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2015	5141571301	WM Replace Program - Coordinated with Roads - 2015	14,667,000	12,326,571	1,908,345	432,084	97.1%	M. Oddi/ P. McNab	Multi-year project. 12 of 12 projects have been awarded, Rymal W - Garth to West 5th construction 2018.
2016	5141660999	Closed Projects - Water	218,000	50,309	169,019	(1,328)	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	3,591,000	2,870,077	261,480	459,443	87.2%	M. Oddi/ P. McNab	6 of 6 project awarded. Construction ongoing. Surplus approximately \$400k at this time.
2016	5141657626	Critical WM Inspection Program - 2016	299,000	169,017	71,551	58,432	80.5%	E. Waite	Complete - Close once commitments are paid/cleared
2016	5141662073	Field Data Systems Program - 2016	169,380	42,404	44,050	82,926	51.0%	I. Szczepanik	Ongoing - work in progress. Not an annual project. No funds requested for 2018.
2016	5141655556	Mapping Update - 2016	70,000	57,548	135	12,317	82.4%	G. McGuire	Complete - Close once commitments are paid/cleared
2016	5141671301	WM Replace Program - Coordinated with Roads - 2016	4,428,000	4,039,872	387,165	963	100.0%	M. Oddi/ P. McNab	Complete - pending final review/audit/payment
2016	5141661300	WM Replacement Program - 2016	700,000	496,126	167,632	36,242	94.8%	M. Oddi/ P. McNab	Complete - Close once commitments are paid/cleared
2017	5141761777	Beach Trunkmain Rehab	5,000,000	585,438	-	4,414,562	11.7%	E. Waite	Ongoing - work in progress. Delays due to technology advancements. To be completed in first half of 2019.
2017	5141771074	Contingency for Unscheduled Works Program - 2017	200,000	143,984	0	56,016	72.0%	E. Waite	% spent dependent on # of unscheduled works.
2017	5141770000	Coordinated Road and Subsurface Works - 2017	3,000,000	2,184,303	738,110	77,587	97.4%	M. Oddi/ P. McNab	4 of 4 project awarded. Construction ongoing. Surplus approximately \$50k at this time.
2017	5141757626	Critical WM Inspection Program - 2017	330,000	38,639	-	291,361	11.7%	E. Waite	Ongoing - work in progress
2017	5141760754	Kenilworth Transmission Watermain Renewal	2,400,000	96,774	75,660	2,227,566	7.2%	E. Waite	Ongoing - work in progress. Project delays due to other projects impacting the water system. To be completed by end of 2018.
2017	5141760577	Metallic Watermain Condition Assessment Program - 2017	685,000	501,413	176,631	6,956	99.0%	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	5141796752	PD16 Trunk - PS HD016 to Hwy 5	1,690,000	146,359	0	1,543,641	8.7%	S. Jacob	Completed Functional design, requires land and Class EA, IPSD to be the lead on this.
2017	5141760711	PW Capital Water Consumption Program - 2017	200,000	200,000	0	-	100.0%	E. Waite	Close after year end reporting (June)

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2017	5141749555	QA-QC Service Contract - 2017	110,000	71,039	12,022	26,939	75.5%	E. Waite	Complete by year end 2018
2017	5141711101	Road Restoration Program - 2017	5,400,000	4,082,110	886,662	431,228	92.0%	G. McGuire	Complete - pending final review/audit/payment
2017	5141760072	Structural WM Lining Program - 2017	7,291,000	7,291,000	0	-	100.0%	E. Waite	Complete. Claim for CWWF funding underway.
2017	5141771740	Upper Sherman - Rymal to Stone	1,590,000	1,213,932	96,984	279,084	82.4%	M. Oddi	Complete - pending final review/audit/payment
2017	5141760080	Valve Replacement - 2017	1,760,000	1,266,493	267,132	226,375	87.1%	E. Waite	Ongoing - work in progress
2017	5141771301	WM Replace Program - Coordinated with Roads - 2017	2,815,000	1,840,044	742,729	232,227	91.8%	M. Oddi/ P. McNab	2 of 4 projects awarded. Remaining two are design 2017 only. Ongoing construction.
2017	5141761300	WM Replacement Program - 2017	1,630,000	190,852	0	1,439,148	11.7%	E. Waite	Ongoing - work in progress Burlington Trunkmain Repairs; Woodward Greenhill Transmission Main Pipeline repair on Summercrest; James and Charlton Intersection

Sub-Total Water - Engineering Services **108,133,380** **61,003,991** **7,215,752** **39,913,637** **63.1%**

WasteWater - Engineering Services

2013	5161395358	Hwy 56 Forcemain&Twinning WW21	27,190,000	7,770,714	10,133,921	9,285,365	65.9%	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	Delayed for coordination with water and surface works. 2018 Design and late tender for construction in 2019.
2015	5161560591	Barton St. Trunk Sewer Rehab - Strathearne to Weir	1,290,000	166,534	856,717	266,749	79.3%	E. Waite	Ongoing - work in progress. To be completed by end of 2018.
2015	5161562542	Binbrook Wastewater System	280,000	257,506	3,211	19,283	93.1%	M. Oddi	Complete - Close once commitments are paid/cleared
2015	5161560999	Closed Projects - WasteWater	119,000	20,092	142,743	(43,835)	136.8%	M. Oddi/ P. McNab	This project is primarily used to hold the contingency lines of purchase orders for several completed works until the maintenance period has expired. This allows for the closure all of the original project ID. % spent is dependent on maintenance required.
2015	5161567563	HC005 - Public Properties	1,040,000	120,064	235,977	683,959	34.2%	E. Waite	Ongoing - Construction to commence in 2018
2015	5161567565	HC005 Montgomery Drive - Inline Storage	2,230,000	1,934,530	230,628	64,842	97.1%	M. Oddi	Ongoing construction. Surface asphalt 2018.
2015	5161596855	Royal to Main-King CSO (WW-22)	18,040,000	1,403,668	0	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	401,418	203,475	155,107	79.6%	E. Waite	Ongoing - work in progress
2016	5161660610	Binbrook Manhole & Sewer Rehab	540,000	86,527	454,490	(1,017)	100.2%	E. Waite	Complete - Close once commitments are paid/cleared

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2016	5161671074	Contingency for Unscheduled Works Program - 2016	520,000	412,903	127,951	(20,854)	104.0%	E. Waite/ P. McNab	% spent dependent on # of unscheduled works. Future budgets on hold pending depletion of these funds. Not an annual project.
2016	5161662073	Field Data Systems Program - 2016	160,110	14,324	61,669	84,117	47.5%	I. Szczepanik	Ongoing - work in progress. Not an annual project. No funds requested for 2018.
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	5161761241	Eastern Sanitary Interceptor (ESI) Rehab - SSR at Fruitland	4,705,000	4,774,119	0	(69,119)	101.5%	E. Waite	Close after year end reporting (June)
2017	5161718420	Grindstone Creek Utility Bridge	3,470,000	67,962	297,380	3,104,658	10.5%	E. Waite	Construction delayed to 2024 to coordinate with transportation bridge construction and to commence after the completion of Waterdown E-W Bypass road.
2017	5161760575	Mainline Sewer Condition Assessment Program - 2017	1,330,000	813,608	50,755	465,637	65.0%	E. Waite	Ongoing - work in progress. Claim for CWWF funding underway.
2017	5161760820	Open Cut Repairs for CIPP Program - 2017	400,000	228,933	167,726	3,341	99.2%	E. Waite	Complete - Close once commitments are paid/cleared
2017	5161760711	PW Capital Water Consumption Program - 2017	140,000	135,130	0	4,870	96.5%	E. Waite	Close after year end reporting (June)
2017	5161749555	QA-QC Service Contract - 2017	110,000	13,009	43,500	53,491	51.4%	E. Waite	Complete - Close once commitments are paid/cleared
2017	5161711101	Road Restoration Program - 2017	1,800,000	1,800,000	0	-	100.0%	G. McGuire	Close after year end reporting (June)
2017	5161760576	Sewer Lateral Condition Assessment Program - 2017	900,000	900,000	0	-	100.0%	E. Waite	Close after year end reporting (June)
2017	5161761444	Sewer Lateral Replace/Rehab Program - 2017	4,060,000	3,971,326	113,335	(24,661)	100.6%	E. Waite	Ongoing - work in progress. Claim for CWWF funding underway.
2017	5161771015	Sewer Lateral Replacement for Co-ordinated Projects - 2017	300,000	27,406	229,470	43,124	85.6%	E. Waite	Ongoing - work in progress
2017	5161760533	Trenchless Manhole Rehabilitation - 2017	80,000	9,367	70,000	633	99.2%	E. Waite	Ongoing - work in progress
2017	5161760390	Wastewater System Lining Program - 2017	4,500,000	3,562,102	245,099	692,799	84.6%	E. Waite	Ongoing - work in progress
2017	5161768240	Western Interceptor Sewer CCTV and Sonar Inspection	1,540,000	184,146	1,337,801	18,053	98.8%	E. Waite	Ongoing - work in progress. To be completed by end of 2018 under CWWF.
Sub-Total Wastewater - Engineering Services			76,514,110	29,553,035	15,280,120	31,680,955	58.6%		

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YEAR APPROVED	PROJECT ID	DESCRIPTION	APPROVED BUDGET (\$)	ACTUAL EXPENDITURES (\$)	PO COMMITMENTS (\$)	AVAILABLE BALANCE (\$) d = a - b - c	% COMPLETE e = (b+c) / a	Project Manager	STATUS EXPLANATION as of December 31, 2017
			a	b	c	d	e		

Storm Sewers - Engineering Services

2012	5181272290	Storm Sewer Upgrades - 2012	7,596,000	6,717,256	762,708	116,036	98.5%	M. Oddi/ P. McNab	Ongoing work in progress - outstanding commitment for the replacement of Grade Separation: Bridge 163, Centennial Parkway underpass .
2013	5181360312	Greenhill - Hwy 20 Culverts	2,110,000	1,032,986	289,649	787,365	62.7%	M. Oddi	Complete - pending final review/audit/payment
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
2014	5181460422	SERG - Holbrook SW Improvement	940,000	666,920	4,868	268,212	71.5%	M. Oddi	Complete - Close once commitments are paid/cleared
2014	5181460423	SERG - Princess at Birch	90,000	11,172	0	78,828	12.4%	S. Jacob	Requires changes to manholes. Can be done as a maintenance activity.
2015	5181572291	Barton & Hamilton St, Waterdown Storm Sewer Upgrade	1,530,000	317,747	0	1,212,253	20.8%	E. Waite	Funding made available through 2015 budget for potential extension for development. Development spearheading. Currently under review by Risk and Legal due to developer/constructor claim.
2015	5181560591	Barton St. Trunk Sewer Rehab - Strathearne to Weir	1,290,000	232,734	831,851	225,415	82.5%	E. Waite	Ongoing - work in progress. To be completed by end of 2018.
2015	5181560999	Closed Projects - Storm	275,000	26,288	132,040	116,672	57.6%	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	5181572295	SERG - LEEDS Implementation	320,000	63,977	32,636	223,387	30.2%	E. Waite	Complete - Close once commitments are paid/cleared
2015	5181572290	Storm Sewer Upgrades - 2015	293,000	77,019	0	215,981	26.3%	P. McNab	CLOSE NEXT BER
2015	5181555077	Zoom Camera Inspection - Data Component	760,000	212,362	288,475	259,163	65.9%	E. Waite	Ongoing - work in progress
2016	5181672074	Contingency for Unscheduled Works Program - 2016	150,000	35,370	26,345	88,285	41.1%	E. Waite/ P. McNab	% spent dependent on # of unscheduled works.
2016	5181662073	Field Data Systems Program - 2016	100,000	47,547	7,340	45,113	54.9%	I. Szczepanik	Ongoing - work in progress. Not an annual project. No funds requested for 2018.
2016	5181672259	SERG - Gage Park Pond	1,980,000	194,903	105,125	1,679,972	15.2%	S. Jacob	Construction in 2018
2016	5181672290	Storm Sewer Upgrades - 2016	1,258,000	609,707	38,378	609,915	51.5%	M. Oddi/ P. McNab	Complete - pending final review/audit/payment
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	2,601,540	9,651,441	596,019	95.4%	E. Waite	Ongoing - work in progress. To be completed by end of 2018 under CWWF.
2016	5181655420	Wilson St Stormwater Drainage	2,440,000	1,192,287	43,929	1,203,784	50.7%	M. Oddi	Complete - Close once commitments are paid/cleared

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2017	5181717549	Concrete Box Culvert Rehabilitation/Repair (< 3.0m span)	194,000	176,231	0	17,769	90.8%	R. Andoga/ T. McClung	Close after year end reporting (June)
2017	5181760730	McQueston Park Entrance - Flooding	250,000	1,168	0	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 on Upper Wentworth.
2017	5181749555	QA-QC Service Contract - 2017	60,000	13,169	11,081	35,750	40.4%	E. Waite	Complete by year end 2018
2017	5181780786	RHBP - Dartnall - Stone Church to Rymal	187,000	176,805	12,757	(2,562)	101.4%	M. Oddi	Ongoing construction. Surface asphalt 2018.
2017	5181772290	Storm Sewer Upgrades - 2017	1,370,000	92,894	3,673	1,273,433	7.0%	E. Waite	1 of 4 projects tendered. Mohawk - Upper Ottawa to Upper Kenilworth construction 2018. The remaining two projects are design 2018 only.
2017	5181760533	Trenchless Manhole Rehabilitation - 2017	80,000	9,367	70,000	633	99.2%	E. Waite	Ongoing - work in progress
Sub-Total Storm Sewers - Engineering Services			36,872,000	14,719,112	12,358,102	9,794,786	73.4%		
TOTAL WATER, WASTEWATER & STORM SEWERS			221,519,490	105,276,138	34,853,974	81,389,378	63.3%		

WATER WASTEWATER & STORM SEWERS OPERATIONS SECTION

Water - Operations

2011	5141166151	SCADA Master Plan Implement	15,580,000	12,185,447	806,911	2,587,642	83.4%	D. Repath	Complete - pending final review/audit/payment
2014	5141455922	Water Loss Audit - 2014	400,000	21,599	8,758	369,643	7.6%	D. Alberman/ D. Young	These funds are to install water meters throughout the water distribution system to determine water loss. This project will be fully spent by September 1, 2018
2015	5141569075	Environmental Lab Improvements - 2015	70,000	35,210	22,910	11,880	83.0%	C. Vanderperk/ P. Thomas	Complete - Close once commitments are paid/cleared
2016	5141641226	Centralized Water and Wastewater Operations Centre	1,250,000	-	-	1,250,000	0.0%	H. Quintero	Continuing to work with City-wide Portfolio Review of Yard Facilities and Properties.
2016	5141669075	Environmental Lab Improvements - 2016	150,000	-	-	150,000	0.0%	C. Vanderperk/ P. Thomas	Anticipate 100% spent/committed by year end 2018.
2016	5141662078	Substandard Water Service Replacement Program - 2016	3,000,000	3,000,000	-	-	100.0%	D. Alberman/ D. Young	Close after year end reporting (June)
2016	5141660750	Unscheduled Valve, Hydrant etc. - 2016	2,500,000	1,325,225	1,166,487	8,288	99.7%	D. Alberman/ D. Young	These funds are for the Emergency Water Repair contract and they will be fully spent by February 2019.
2016	5141655851	Water Efficiency Plan - 2016	102,000	50,575	24,367	27,058	73.5%	J. Wagner	Will be completed in 2018.

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2017	5181767723	Pumping Stations	100,000	-	92,160	7,840	92.2%	B. Hughes	Committed/work anticipated to be complete Q3, 2018
2017	5181717152	Roadside Drainage Improvement Program - 2017	1,370,000	594,917	114,536	660,547	51.8%	B. Hughes	Anticipate spent/committed Q4 2018
2017	5181760622	SWM Pond-Creek Maintenance Program - 2017	1,600,000	594,917	134,763	870,320	45.6%	B. Hughes	Anticipate spent/committed Q4 2018
Sub-Total - Hamilton Storm Sewers - Roads O&M			6,819,000	2,230,328	638,306	3,950,366	42.1%		
TOTAL WATER, WASTEWATER & STORM SEWERS -			146,900,000	107,129,500	23,895,209	11,924,925	89.2%		
Total Public Works - Rate Supported			873,896,322	391,746,859	284,606,772	193,592,325	77.4%		