

City of Hamilton Capital Projects Status Report - Public Works Rate Supported Projects  
As of September 30, 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, 2019
			a	b	c	d	e		
<b><u>CAPITAL DELIVERY SECTION</u></b>									
<b><u>Water Rates</u></b>									
2011	5141166110	WTP - Process Upgrades	26,010,000	9,016,372	19,782,251	(2,788,623)	110.7%	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 (\$102M future budgets approved, 2019 - 2028).
2012	5141267270	Water Control Valve Upgrades	2,860,000	2,182,545	325,993	351,462	87.7%	S. Leitch	STATUS: Work Complete. NEXT STEPS: Account to be closed once purchase orders have been closed.
2012	5141267272	Hillcrest Reservoir - HDR02	11,200,000	10,796,709	34,250	369,040	96.7%	S. Leitch	STATUS: Work Complete. NEXT STEPS: Account to be closed once purchase orders have been closed.
2012	5141267274	Kenilworth PS - HD005 Upgrades	3,355,000	1,333,925	1,847,873	173,202	94.8%	S. Leitch	STATUS: Work in Progress - Construction (Pump Station). Substantial Performance (Valve Replacement). NEXT STEPS: Substantial Performance Q1 2020 (Pump Station).
2012	5141269250	HVAC Upgrade New Lab & Admin	5,620,000	984,287	149,025	4,486,688	20.2%	S. Leitch	STATUS: Work in Progress - Conceptual Design to descope and reconfigure the HVAC and interior project scope for the Laboratory Upgrades (Q2 2019). NEXT STEPS: Design & Contract Admin - Lab HVAC & Interior Upgrades Q3 2020.
2013	5141395353	Ferguson HD002 Pumping Stn	2,600,000	391,809	35,579	2,172,612	16.4%	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 2019.
2015	5141567520	HDR05 Reservoir Upgrades	4,192,000	398,239	3,529,936	263,825	93.7%	S. Leitch	STATUS: Work in Progress - Construction. NEXT STEPS: Substantial Performance Q2 2020.
2015	5141567575	High Lift PS Upgrades Phase 2	880,000	386,601	32,677	460,722	47.6%	S. Leitch	STATUS: Work Complete - Field Study (HLPS Power Distribution & Protection Setup). NEXT STEPS: Construction - Power Distribution (Recommissioning) Q4 2019.
2015	5141567577	Security - Water PS Facilities	5,600,000	2,206,529	420,855	2,972,616	46.9%	S. Leitch	STATUS: Substantially Performed (Physical Security - Fencing).
2016	5141666110	WTP - Corrosion Control	7,660,000	7,328,840	150,069	181,091	97.6%	S. Leitch	STATUS: Substantially Performed. NEXT STEPS: Account to be closed once the maintenance and warranty period expires Q4 2019.
2016	5141666608	Lynden Additional Water Supply	7,965,000	2,455,481	4,699,691	809,828	89.8%	S. Leitch	STATUS: Work in Progress - Construction. NEXT STEPS: Substantial Performance Q1 2020.
2016	5141667420	Ben Nevis & Dewitt HD08A WPS	3,140,000	441,050	2,544,092	154,858	95.1%	S. Leitch	STATUS: Work in Progress - Construction. NEXT STEPS: Substantial Performance Q1 2020.
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 for the Ultimate Upgrades. NEXT STEPS: Request for Proposals for Design - Garner Rd Interim Upgrades Q3 2019.
2016	5141667422	Osler Road HD011 WPS	2,569,000	1,414,659	804,009	350,331	86.4%	S. Leitch	STATUS: Work in Progress - Construction. NEXT STEPS: Substantial Performance Q4 2019.
2016	5141667424	Freelton Tower HDT03 Upgrades	3,600,000	2,130,638	257,178	1,212,184	66.3%	S. Leitch	STATUS: Substantially Performed. NEXT STEPS: Account to be closed once maintenance and warranty period expires Q1 2020.
2016	5141695883	York & Valley HD016 WPS (W-26)	3,710,000	174,245	25,328	3,510,427	5.4%	S. Leitch	STATUS: Work in Progress - Request for design to be awarded Q4 2019. NEXT STEPS: RFPQ for Construction Q3 2020.

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, 2019
			a	b	c	d	e		
2017	5141766421	WTP Fluoride Building HVAC	470,000	53,280	-	416,720	11.3%	S. Leitch	STATUS: Work Completed - Air Quality Study. NEXT STEPS: Policy 11 cancelled, work to be procured differently Q4 2019
2017	5141767420	Carlisle Well Stn Sys Enhance	940,000	58,856	-	881,144	6.3%	S. Leitch	STATUS: Work in Progress - Scope Verification. NEXT STEPS: Request for Proposals for Design Q1 2020.

City of Hamilton Capital Projects Status Report - Public Works Rate Supported Projects  
As of September 30, 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, 2019
			a	b	c	d	e		
2017	5141767650	New Greensville Communal Well	1,250,000	68,254	24,987	1,156,760	7.5%	S. Leitch	STATUS: Awaiting completion of Schedule C EA for the Greensville New Well. NEXT STEPS: Issue Project Charter Q4 2019.
2017	5141795850	Greenhill PS HD04B & HD05A	9,820,000	380,427	756,436	8,683,137	11.6%	S. Leitch	STATUS: Work in Progress - Construction (Immediate Needs) & Conceptual Design (Ultimate Upgrades). NEXT STEPS: Substantial Performance (Immediate Needs) Q4 2019 & Design (Ultimate Needs) 2019.
2018	5141867651	HD007 Highland Rd Reservoir	260,000	-	47,029	212,971	18.1%	S. Leitch	STATUS: Timing of this project is aligned with the Reservoir Capital Coordination Schedule. NEXT STEPS: Issue Project Charter Q4 2019.
2019	5141966911	WTP - Bio Filtration Study	150,000	-	-	150,000	0.0%	S. Leitch	NEXT STEPS: Issue Project Charter Q4 2019.
2019	5141967375	Kenilworth&Ben Nevis Reservoir	7,550,000	58,033	536,045	6,955,922	7.9%	S. Leitch	STATUS: Work in Progress - Design. NEXT STEPS: Tender for Construction Q4 2019.

**Sub-Total Capital Delivery - Water** **117,441,000** **42,265,888** **36,003,302** **39,171,810** **66.6%**

**Wastewater - Rates**

2009	5160966912	Decommission Waterdown WWTP-WW08	6,000,000	1,086,520	2,270,905	2,642,574	56.0%	S. Leitch	STATUS: Work in Progress - Construction. NEXT STEPS: Substantial Performance Q4 2019.
2010	5161066065	Waste Hauler Receiving Station	3,439,800	1,904,501	1,126,439	408,860	88.1%	S. Leitch	STATUS: Work in Progress - Construction. NEXT STEPS: Substantial Performance Q4 2019.
2012	5161266213	Dundas WWTP Improvements	1,420,200	458,795	-	961,405	32.3%	S. Leitch	STATUS: Upgrade project on hold. Work Completed – Feasibility Study (Dundas WWTP Outfall Assessment & Asset Replacement Study). NEXT STEPS: Exploring funding opportunities for the preferred upgrade solution.
2012	5161267270	Ancaster WW Outstations	8,480,000	4,163,197	378,147	3,938,657	53.6%	S. Leitch	STATUS: Substantially Performed (HC009, HC013). Tender for Construction Q1 2020 (HC005). NEXT STEPS: Request for Quotes Q3 2019 (Minor Electrical and Civil Improvements - HC009, HC013).
2012	5161267273	Dundas WW Outstations	2,730,000	1,325,915	70,541	1,333,545	51.2%	S. Leitch	STATUS: Substantially Performed (DC005, DC006). Work Completed - Scope Verification (DC010). NEXT STEPS: Request for Proposals for Design (DC010) Q1 2020.
2013	5161367360	Cormorant & Osprey (HC014)	4,450,000	3,961,554	313,803	174,643	96.1%	S. Leitch	STATUS: Substantially Performed. NEXT STEPS: Account to be closed once maintenance and warranty period expires Q3 2019.
2014	5161467756	Greenhill & Cochrane HCS01	2,920,000	203,083	-	2,716,917	7.0%	S. Leitch	STATUS: Work Completed - Life Cycle Analysis. NEXT STEPS: Issue Project Charter Q4 2019.
2015	5161595858	Binbrook PS Upgrade (WW-20)	6,280,000	3,315,633	1,247,880	1,716,487	72.7%	S. Leitch	STATUS: Work in Progress - Construction. NEXT STEPS: Substantial Performance Q4 2019.
2016	5161667622	FC001 DC009 HC011 Upgrades	5,340,000	239,934	590,047	4,510,019	15.5%	S. Leitch	STATUS: Work in Progress - Construction (FC001, DC009) & Design (HC011). NEXT STEPS: Request for Prequalified Contractors Q1 2020 (HC011). Substantial Performance (FC001, DC009) Q1 2020
2017	5161766421	WWTP Methane Sphere Upgrades	4,400,000	3,221,949	832,329	345,722	92.1%	S. Leitch	STATUS: Substantially Performed. NEXT STEPS: Account to be closed once purchase orders have been closed.
2017	5161767420	Parkdale Av HC001 WW Statn Upg	660,000	30,982	-	629,018	4.7%	S. Leitch	STATUS: Work in Progress - Scope Verification. NEXT STEPS: Request for Proposals for Design Q4 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, 2019
			a	b	c	d	e		
2017	5161796786	First Street PS Upgrade DC014	4,930,000	284,603	498,661	4,146,736	15.9%	S. Leitch	STATUS: Work in Progress - Design. Request for Prequalified Q3 2019 Contractors NEXT STEPS: Construction Q4 2019.
2019	5161967123	AEGD Growth Initiative	11,000,000	-	304,808	10,695,192	2.8%	S. Leitch	STATUS: Work in Progress - Design (HC018, HC027, HC019) NEXT STEPS: Request for Prequalified Contractors Q1 2020
2020	5162068851	Pier 25 Dredging - Windermere	170,000	20,285	-	149,715	11.9%	S. Leitch	STATUS: Work in Progress - Feasibility Study.. NEXT STEPS: Design Contract Admin Award Q1 2022.
<b><u>Sub-Total Capital Delivery - Wastewater</u></b>			<b>62,220,000</b>	<b>20,216,951</b>	<b>7,633,560</b>	<b>34,369,490</b>	<b>44.8%</b>		
<b><u>TOTAL CAPITAL DELIVERY SECTION</u></b>			<b>179,661,000</b>	<b>62,482,839</b>	<b>43,636,862</b>	<b>73,541,300</b>	<b>59.1%</b>		

**INFRASTRUCTURE PLANNING & SYSTEMS DESIGN**

**Water - Rates**

2011	5141167150	Greensville New Well – EA	720,000	1,415,583	22,337	(717,920)	199.7%	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 Q1 2020. Deficit to be addressed upon closure of project.
2013	5141395354	PD18 Elevated Reservoir W14	2,610,000	412,822	8,850	2,188,329	16.2%	B. Posedowski	STATUS: Work in Progress - Class EA and Conceptual Design, Terrestrial and Avian Assessments. NEXT STEPS: Completion of EA is Q2 2019. Conceptual Design Award Q1 2020.
2014	5141495551	PD7 Elevated Reservoir W-23	1,990,000	164,912	12,400	1,812,688	8.9%	B. Posedowski	STATUS: Work in Progress - EA & Conceptual Design of PD7 Elevated Tower / Reservoir & New Pumping Station. NEXT STEPS: EA Completion Q4 2019. Detailed Design to Follow
2015	5141555010	Water Systems Planning	450,000	401,233	4,610	44,157	90.2%	B. Posedowski	STATUS: Work in Progress - Servicing alternatives for Ancaster, Screening of Development Applications, Pressure District Boundary Condition Characterization. NEXT STEPS: Completion Q4 2019.
2015	5141555264	City-Wide Water MP	650,000	78,356	499,252	72,392	88.9%	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	500,151	84,936	124,913	82.4%	B. Posedowski	STATUS: Work in Progress - Freelon Wellhead Protection Area Delineation. NEXT STEPS: Model Expansion, Database and Stratigraphic Model Updates and Calibration Q3 2019
2015	5141564533	Up Wentworth - Hydro to Twenty	2,200,000	12,638	-	2,187,362	0.6%	B. Posedowski	STATUS: On hold. NEXT STEPS: City Wide Water and Wastewater Master Plan will dictate whether this is required.
2015	5141567273	HD17A PS Replace Decommission	1,930,000	4,047	-	1,925,953	0.2%	B. Posedowski	NEXT STEPS:EA & Conceptual Design - HD17A Main & Whitney Water Pumping Station Upgrades Q3 2019
2015	5141595553	HD12A PS Upgrades (W-04)	720,000	210,453	4,195	505,352	29.8%	B. Posedowski	STATUS: Work in Progress - Class EA - HD12A Governors & Huntingwood. NEXT STEPS: Completion of EA Q3 2019, Design to Follow.
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	1,870,000	304,095	34,173	1,531,732	18.1%	B. Posedowski	STATUS: Work Complete - Hydrogeological study, GUDI Investigation & Treatment Capacity Study. NEXT STEPS: Detailed Design to Follow.

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, 2019
			a	b	c	d	e		
2017	5141767752	WW Outstation Inspection - AM	550,000	248,453	223,292	78,255	85.8%	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.

City of Hamilton Capital Projects Status Report - Public Works Rate Supported Projects  
As of September 30, 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, 2019
			a	b	c	d	e		
2017	5141796752	PD16 Trunk - PS HD016 to Hwy 5	2,570,000	282,002	102,788	2,185,211	15.0%	B. Posedowski	STATUS: Class EA for the Waterdown Trunk Watermain Twinning Q1 2019.NEXT STEPS: Completion Q3 2020
2018	5141855010	Water Systems Planning	300,000	142,786	89,065	68,149	77.3%	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 2019.
2018	5141855777	LRT Corridor - Water	570,000	-	-	570,000	0.0%	B. Posedowski	STATUS: On hold.
2018	5141867752	Water Outstation Inspections	660,000	398,306	246,119	15,576	97.6%	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 2019, Woodward WTP Upgrades DC Study Q4 2019.
2018	5141895852	Carlisle Additnl Water Storage	440,000	-	-	440,000	0.0%	B. Posedowski	NEXT STEPS: Water System Specialist to assess alternatives to the Future Carlisle Water Storage Q4 2019.
2018	5141895956	Water Distribution Model	350,000	-	-	350,000	0.0%	B. Posedowski	NEXT STEPS: WaterCAD Model Update and Maintenance Procedure Q1 2020.
2019	5141955010	Water Systems Planning Program	400,000	-	-	400,000	0.0%	B. Posedowski	STATUS: On hold.
2019	5141955247	Drinking Water System Changes	150,000	28,485	28,258	93,257	37.8%	B. Posedowski	STATUS: Consulting Services - Development Screening and Approval Support in 2019 NEXT STEPS: Completion - Q2 2020
2019	5141955713	Drinking Water System Optimize	220,000	-	-	220,000	0.0%	B. Posedowski	STATUS: On hold.
2019	5141957545	Water - Computer Model	280,000	-	-	280,000	0.0%	B. Posedowski	STATUS: On hold.
2019	5141967752	Water Outstation Inspections	660,000	-	158,995	501,005	24.1%	B. Posedowski	STATUS: Condition Assessments at Different Facilities. NEXT STEPS: Completion Dates Q2 2020

**Sub-Total Infrastructure Planning & Systems Design - Water** **22,610,000** **4,788,659** **1,519,268** **16,302,073** **27.9%**

**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	1,511,406	1,287,049	(143,455)	105.4%	B. Posedowski	STATUS: Work Complete - Design of Wet Weather Control. Negative balance due to unanticipated tax changes.
2013	5161367752	WW Outstation Inspection - AM	645,000	161,115	494,829	(10,944)	101.7%	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	364,709	116,874	73,417	86.8%	B. Posedowski	STATUS: Work in Progress - Flooding and Drainage Master Plan. NEXT STEP: Completion Q4 2019.
2015	5161555264	City-Wide Wastewater MP	650,000	508,508	75,728	65,764	89.9%	B. Posedowski	STATUS: Work in Progress - Citywide Water Wastewater Storm Master Plan. NEXT STEPS: Completion Q2 2020.
2015	5161555955	Inflow & Infiltration	474,000	400,325	78,516	(4,841)	101.0%	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 Q3 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, 2019
			a	b	c	d	e		
2015	5161557545	Wastewater Computer Model	550,000	372,036	192,181	(14,217)	102.6%	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	246,201	144,026	599,772	39.4%	B. Posedowski	STATUS: Work in Progress - Emergency Overflow Schedule C Municipal Class EA. NEXT STEPS: EA Completion Q2 2019. Detailed Design to follow.



City of Hamilton Capital Projects Status Report - Public Works Rate Supported Projects  
As of September 30, 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, 2019
			a	b	c	d	e		
2016	5161655350	Riverdale Flood Relief EA	1,540,000	4,247	-	1,535,753	0.3%	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	239,105	-	(54,105)	129.2%	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	270,000	4,875	-	265,125	1.8%	B. Posedowski	NEXT STEPS: Issue Project Charter Q1 2020.
2016	5161667421	New Haulage Receiving Station	1,690,000	192,530	46,191	1,451,280	14.1%	B. Posedowski	STATUS: Work in Progress - Class EA and Conceptual Design. NEXT STEPS: EA Completion Q4 2019. Land Purchase & Detailed Design to follow.
2016	5161695747	Battlefield Trunk Sewer WW-33	12,150,000	1,655,022	-	10,494,978	13.6%	B. Posedowski	STATUS: Scope and timing to be confirmed in Citywide Master Plan. NEXT STEPS: Detailed Design by Engineering Services to follow.
2016	5161696452	AECD - Dickenson Rd FM & Sewer	4,400,000	442,746	2,401,455	1,555,800	64.6%	B. Posedowski	STATUS: Work Completed - Economic Analysis and Feasibility study to support the Conceptual Design Implementation. NEXT STEPS: Detailed Design.
2017	5161755640	Non-Trunk Flow Monitoring	100,000	125,449	68,018	(93,467)	193.5%	B. Posedowski	STATUS: Citywide Sanitary Service Flow Monitoring. NEXT STEPS: Completion Q1 2020.
2017	5161755955	Inflow & Infiltration	300,000	271,893	5,211	22,896	92.4%	B. Posedowski	STATUS: Work in Progress - Glen Road Inspection and Monitoring/ Aberdeen CSO Monitoring. NEXT STEPS: Completed Q2 2019.
2017	5161757420	SCADA Rain Gauges	50,000	-	-	50,000	0.0%	B. Posedowski	NEXT STEPS: Review and Issue Project Charter Q4 2019.
2017	5161767752	WW Outstn Insp -Asset Mgm Prog	220,000	119,672	33,545	66,783	69.6%	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) completion Q3 2019.
2018	5161855010	Wastewater Systems Planning	300,000	147,978	134,492	17,530	94.2%	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: Work ongoing.
2018	5161855640	Flow Monitoring Program	50,000	36,769	6,795	6,437	87.1%	B. Posedowski	STATUS: Citywide Sanitary Service Flow Monitoring, Rain Gauges Flow Monitoring Services. NEXT STEPS: Completion Q1 2020.
2018	5161855777	LRT Corridor - Wastewater	570,000	59,958	39,559	470,483	17.5%	B. Posedowski	NEXT STEPS: Wastewater System Analysis for LRT intensification Corridor, work ongoing according to LRT demand and timing.
2018	5161857545	Wastewater Computer Model	280,000	174,317	32,961	72,722	74.0%	B. Posedowski	STATUS: Citywide Sanitary & Stormwater Flow Monitoring Services. NEXT STEPS: Completion Q1 2020.
2018	5161867752	Wastewater Outstation Inspect	520,000	88,791	90,594	340,615	34.5%	B. Posedowski	STATUS: Work in Progress - Condition Assessment (HC017 Eastport SPS), Development Water Financial Plan. NEXT STEPS: Completion Q3 2019.
2019	5161955010	WW Systems Planning Program	600,000	-	39,375	560,625	6.6%	B. Posedowski	STATUS: Ongoing.



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, 2019
			a	b	c	d	e		
2019	5161955640	Flow Monitoring Program	350,000	-	-	350,000	0.0%	B. Posedowski	STATUS: On hold.
2019	5161955955	Inflow & Infiltration Studies	500,000	63,633	86,626	349,741	30.1%	B. Posedowski	Status: Flow monitoring and analysis work in progress. Next Steps Completion Q4 2019
2019	5161957545	Wastewater Computer Model	380,000	-	-	380,000	0.0%	B. Posedowski	STATUS: On hold.
2019	5161967752	WW Outstation Inspections	520,000	-	-	520,000	0.0%	B. Posedowski	STATUS: On hold.
2019	5161996954	Aberdeen Hillside Sewer	450,000	-	-	450,000	0.0%	B. Posedowski	STATUS: On hold.
<b><i>Sub-Total Infrastructure Planning &amp; Systems Design - Wastewater</i></b>			<b>32,444,000</b>	<b>7,305,585</b>	<b>5,772,113</b>	<b>19,366,302</b>	<b>40.3%</b>		

City of Hamilton Capital Projects Status Report - Public Works Rate Supported Projects  
As of September 30, 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, 2019
			a	b	c	d	e		
Storm water - Rates									
2012	5181260214	Parkside and Kipling Flood	1,500,000	1,365,490	-	134,510	91.0%	C. Graham	STATUS: Work in Progress - Construction (Churchill Park Rain Gardens - Phase 1).
2012	5181260216	Golf Course SWMP Rosedale	2,570,000	550,237	131,933	1,887,830	26.5%	B. Posedowski	STATUS: Work in Progress - Enhanced Functional Design and Topographic Survey. NEXT STEPS: Completion of Enhanced Functional Design Q4 2019. Detailed Design to follow.
2012	5181274800	Watercourse 5 and 6	3,850,000	381,813	29,436	3,438,751	10.7%	B. Posedowski	STATUS: Completion- Flood plain mapping and hydrologic analysis to update SCUBE reports, Hydraulics Assessment and Class EA Work Plan Q2 2019. NEXT STEPS: Detailed Design to follow.
2013	5181355350	SERG Studies & Assessments	740,000	622,574	60,167	57,259	92.3%	B. Posedowski	STATUS: Work Completed - Low Impact Development Bumpout (Bay and Simcoe). Work in Progress - Beach Strip Flooding Study. NEXT STEPS: Completion Q1 2020.
2014	5181455420	SERG - Flooding & Drainage MP	645,000	24,033	449,999	170,968	73.5%	B. Posedowski	STATUS: Work in Progress - Flooding and Drainage Master Plan. NEXT STEP: Completion Q4 2019.
2015	5181555422	GRIDS II - Stormwater MP	650,000	74,550	499,252	76,198	88.3%	B. Posedowski	STATUS: Work in Progress - Citywide Water Wastewater Storm Master Plan. NEXT STEPS: Completion Q2 2020.
2015	5181562590	SWMP Retrofits	660,000	20,749	146,666	492,585	25.4%	B. Posedowski	STATUS: Work in Progress - Analysis & Conceptual Design - Stormwater Management Pond Retrofits (Ponds # 67, 9, 54, 52, 35, 14) NEXT STEPS: Completion Q2 2020
2016	5181655075	SERG - Watershed Proj Coord	500,000	215,783	186,322	97,895	80.4%	B. Posedowski	STATUS: Work in Progress - Lower Spencer Creek Subwatershed Study, Delivery of environmental data collection in the field. NEXT STEPS: Completion Q3 2019.
2016	5181655421	SERG Stormwater System Planning	280,000	167,871	24,125	88,004	68.6%	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	208,934	44,611	26,456	90.6%	B. Posedowski	STATUS: Work in Progress - Detailed Drainage Assessment Study (Phase 2) - Development of Existing Residential (ER) Neighbourhoods in Rural Ancaster. NEXT STEPS: Completion Q4 2019.
2017	5181755421	SERG - SW System Planning	280,000	113,406	11,692	154,902	44.7%	B. Posedowski	STATUS: Wilson Street Stormwater Drainage Plan. NEXT STEPS: City-wide Stormwater Infrastructure Field Verification & GIS Database Update for Modelling Q4 2019.
2018	5181823155	SERG - Dundas Drainage Upgrade	120,000	-	48,785	71,215	40.7%	B. Posedowski	STATUS: Work in Progress - Conceptual Design - Dundas Stormwater Drainage Improvements. NEXT STEPS: .Detailed Design - Dundas Stormwater Drainage Improvements Award Q4 2020
2018	5181872295	SERG - LEEDS Implementation	610,000	18,519	-	591,481	3.0%	B. Posedowski	STATUS: Consulting Services - Revisit the conceptual solution to the Winona Area Drainage Improvements and provide an alternate solution. NEXT STEPS: Completion Q3 2020
2019	5181955350	Climate Change Impact Assess	550,000	-	-	550,000	0.0%	B. Posedowski	STATUS: On hold.
2019	5181955421	Storm System Planning Prm	480,000	-	39,375	440,625	8.2%	B. Posedowski	STATUS: Work in Progress- Consulting Services - Development Screening and Approval Support in 2019. NEXT STEPS: Substantial Performance Q2 2020
2019	5181957545	Stormwater Computer Model	1,080,000	-	-	1,080,000	0.0%	B. Posedowski	STATUS: On hold.

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, 2019
			a	b	c	d	e		
2021	5182155101	SERG - SC & Battlefield Creek	150,000	-	-	150,000	0.0%	B. Posedowski	STATUS: On hold.
<b><i>Sub-Total Infrastructure Planning &amp; Systems Design - Storm water</i></b>			<b>14,945,000</b>	<b>3,763,959</b>	<b>1,672,361</b>	<b>9,508,680</b>	<b>36.4%</b>		
<b><i>TOTAL INFRASTRUCTURE PLANNING &amp; SYSTEMS DESIGN SECTION</i></b>			<b>69,999,000</b>	<b>15,858,203</b>	<b>8,963,743</b>	<b>45,177,054</b>	<b>35.5%</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, 2019
			a	b	c	d	e		

WOODWARD UPGRADES SECTION

Wastewater - Rates

2008	5160866801*	Woodward WWTP - Clean Harbour	400,943,375	135,045,432	265,897,942	-	100.0%	John Helka	STATUS: GIF Funded. \$189M future budgets requested (cash flowed 2020 - 2022). Work in Progress - Construction (Raw Wastewater Pumping Station, Electrical System, Tertiary Treatment). NEXT STEPS: Substantial Performance in Q1 2022.
2009	5160966910	WWTP - Biosolids MP Implement	10,470,000	4,966,613	4,249,351	1,254,036	88.0%	John 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 in Q2 2020.

Sub-Total Woodward Upgrades - Wastewater411,413,375140,012,046270,147,2931,254,03699.7%

TOTAL WOODWARD UPGRADES SECTION

411,413,375140,012,046270,147,2931,254,03699.7%

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

PLANT MAINTENANCE AND TECHNICAL SERVICES SECTION

Water - Rates

2015	5141566711	Annual Water Treatment Studies	250,000	83,619	162,895	3,486	98.6%	S. McCauley	STATUS: Work in Progress - Baseline biological activity in the full scale media filters at the Woodward Avenue WTP. Optimization Study for Corrosion Control using Phosphoric acid chemical dosing. NEXT STEPS: Substantial Performance - Baseline biological activity in the full scale media filters at the Woodward Avenue WTP Q4 2019
2017	5141766711	Annual Water Treatment Studies	250,000	111,253	136,165	2,582	99.0%	S. McCauley	STATUS: Complete - Condition Assessment (Chlorine Chemical Building), Assessment of current CT calculations. NEXT STEPS: Industry Review of Municipal Vertical Asset Maintenance Programs for Water and Wastewater Infrastructure Q3 2019
2017	5141766713	Annual Water Maintenance	2,500,000	528,128	349,892	1,621,981	35.1%	S. McCauley	STATUS: Work in Progress. NEXT STEPS: Construction - Installation of Premise Isolation Backflow Devices and Containments for various HW Facilities Q1 2020
2018	5141866350	WTP Lighting Upgrade	200,000	-	135,827	64,173	67.9%	S. McCauley	STATUS: Substantially Performed (Energy Efficient LED Lighting at Woodward Ave. SSTP and Administration Building). NEXT STEPS: Account to close once purchase orders have been closed.
2018	5141866713	Annual Water Maintenance	1,500,000	76,371	-	1,423,629	5.1%	S. McCauley	STATUS: Work in Progress.

Sub-Total Plant Maintenance & Technical Services - Water4,700,000799,370784,7783,115,85233.7%



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, 2019
			a	b	c	d	e		

City of Hamilton Capital Projects Status Report - Public Works Rate Supported Projects  
As of September 30, 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, 2019
			a	b	c	d	e		
<b><i>Water - Engineering Services</i></b>									
2014	5141455425	Concrete Pipe Condition Assessment	2,750,000	1,690,345	312,345	747,310	72.8%	E. Waite / M. Zantingh / J. Grieci	Assessment works delayed due to other works impacting the water network. 2018 and proposed 2019 budget to be utilised by year end 2019.
2015	5141571301	WM Replace Program - Coordinated with Roads - 2015	14,575,000	14,347,265	160,030	67,705	99.5%	M. Oddi / P. McNab	Complete - Close once commitments are paid/cleared
2015	5141596152	PD11 (Governor's Rd) Extend	1,120,000	1,119,126	38,163	(37,288)	103.3%	M. Oddi	Complete - pending final review/audit/payment
2015	5141596153	PD22 (Governor's Rd) Extend	900,000	865,760	19,387	14,853	98.3%	M. Oddi	Complete - pending final review/audit/payment
2015	5141596550	Stone Church Feedermain (W-24)	25,300,000	2,293,450	239,871	22,766,680	10.0%	S. Jacob	Currently in geotechnical investigation. Detail Design to start in 2020. Masterplan update may have impact on the design. Construction scheduled for 2022.
2016	5141657626	Critical WM Inspection Program - 2016	299,000	178,576	-	120,424	59.7%	E. Waite / M. Zantingh / J. Grieci	\$120k being used to WIP fund the 2020 Critical WM Inspection Program and then this project can be closed.
2016	5141660999	Closed Projects - Water	218,000	75,388	148,658	(6,046)	102.8%	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 of all the original project ID. % spent is dependent on maintenance required.
2016	5141670000	Coordinated Road and Subsurface Works - 2016	3,091,000	2,915,975	152,192	22,833	99.3%	M. Oddi / P. McNab	Complete - Close once commitments are paid/cleared
2017	5141757626	Critical WM Inspection Program - 2017	330,000	73,459	-	256,541	22.3%	E. Waite / M. Zantingh / J. Grieci	Ongoing - work in progress. Claim for CWWF funding underway.
2017	5141760577	Metallic Watermain Condition Assessment Program - 2017	685,000	685,000	-	-	100.0%	E. Waite / M. Zantingh / J. Grieci	Complete. Claim for CWWF funding underway.
2017	5141760754	Kenilworth Transmission Watermain Renewal	2,400,000	495,652	47,660	1,856,688	22.6%	E. Waite / M. Zantingh / J. Grieci	Ongoing - work in progress. To be tendered Q4 2019 for 2020 construction.
2017	5141761300	WM Replacement Program - 2017	830,000	369,918	-	460,082	44.6%	E. Waite / M. Zantingh / J. Grieci	\$460k being used to WIP fund 2020 program and then this project can be closed.
2017	5141761777	Beach Trunkmain Rehab	7,300,000	920,744	-	6,379,256	12.6%	E. Waite / M. Zantingh / J. Grieci	Project delayed to Q1 2020 due to water network requirements.
2017	5141771301	WM Replace Program - Coordinated with Roads - 2017	2,815,000	2,508,859	115,748	190,393	93.2%	M. Oddi / P. McNab	Watermain Replacement under CP Tracks at Ferguson on hold pending design review.
2018	5141811101	Road Restoration Program - 2018	5,400,000	3,087,424	-	2,312,576	57.2%	D. Lamont / B. Waddell	Ongoing - work in progress
2018	5141849555	QA-QC Service Contract - 2018	110,000	99,590	8,087	2,324	97.9%	E. Waite / M. Zantingh / J. Grieci	Complete - Close once commitments are paid/cleared
2018	5141855556	Mapping Update - 2018	40,000	6,734	33,000	266	99.3%	D. Lamont / C. Lauricella	Ongoing - work in progress. Anticipate completion by year end 2019
2018	5141857626	Critical WM Inspection Program - 2018	330,000	163,527	67,127	99,346	69.9%	E. Waite / M. Zantingh / J. Grieci	\$40k being used to WIP fund 2020 program. Ongoing - work in progress.



City of Hamilton Capital Projects Status Report - Public Works Rate Supported Projects  
As of September 30, 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, 2019
			a	b	c	d	e		
2018	5141857627	Fennell Trunkmain Inspection	750,000	117,850	619,000	13,150	98.2%	E. Waite / M. Zantingh / J. Grieci	Ongoing - work in progress

City of Hamilton Capital Projects Status Report - Public Works Rate Supported Projects  
As of September 30, 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, 2019
			a	b	c	d	e		
2018	5141857628	Saltfleet Trunkmain Inspection	593,000	219,766	365,030	8,204	98.6%	E. Waite / M. Zantingh / J. Grieci	Ongoing - work in progress. Claim for CWWF funding underway.
2018	5141860072	Structural WM Lining Program - 2018	7,320,000	6,610,437	625,609	83,954	98.9%	E. Waite / M. Zantingh / J. Grieci	Ongoing - work in progress
2018	5141860080	Valve Replacement - 2018	1,000,000	928,908	49,654	21,439	97.9%	E. Waite / M. Zantingh / J. Grieci	Ongoing - work in progress
2018	5141860577	Metallic Watermain Condition Assessment Program - 2018	700,000	419,469	263,025	17,506	97.5%	E. Waite / M. Zantingh / J. Grieci	Complete - Close once commitments are paid/cleared
2018	5141861300	Wm Replacement Program - 2018	800,000	134,685	22,525	642,790	19.7%	E. Waite / M. Zantingh / J. Grieci	Mulberry - Bay to James (2019) & Barton - Queen to Locke (2020)
2018	5141870000	Coordinated Road and Subsurface Works - 2018	4,245,000	4,102,603	122,443	19,954	99.5%	M. Oddi / P. McNab	Complete - pending final review/audit/payment
2019	5141911101	Road Restoration Program - 2019	5,400,000	2,364,650	2,720,719	314,631	94.2%	D. Lamont / B. Waddell	Ongoing - work in progress. Anticipate completion by Q2 2020
2019	5141949555	QA-QC Service Contract 2019	160,000	39,529	41,413	79,058	50.6%	E. Waite / M. Zantingh / J. Grieci	Ongoing - work in progress
2019	5141955556	Mapping Update - 2019	40,000	5,831	-	34,169	14.6%	D. Lamont / C. Lauricella	Ongoing - work in progress. Anticipate completion by year end 2020
2019	5141960072	Structural WM Lining Program - 2019	6,960,000	5,656,660	1,359,264	(55,924)	100.8%	E. Waite / M. Zantingh / J. Grieci	Ongoing - work in progress
2019	5141960080	Valve Replacement - 2019	1,580,000	565,258	43,329	971,413	38.5%	E. Waite / M. Zantingh / J. Grieci	Delayed - project to be tendered in Fall 2019 with 2020 construction.
2019	5141960577	Metallic WM Condition Assess	580,000	104,337	148,140	327,523	43.5%	E. Waite / M. Zantingh / J. Grieci	\$300k being used to WIP fund 2020 Large Valve program.
2019	5141960711	PW Capital Water Consumption Program - 2019	200,000	28,942	-	171,058	14.5%	E. Waite / P. McNab	Ongoing - work in progress. Anticipate completion Q4 2019
2019	5141961341	Pineland-Teal-Community etc	110,000	16,036	-	93,964	14.6%	E. Waite / M. Zantingh / J. Grieci	Construction scheduled for 2020
2019	5141962073	Field Data Systems Program - 2019	150,000	67,671	85,043	(2,715)	101.8%	E. Waite / Sharma	Ongoing - work in progress
2019	5141970002	Baldwin & Court-West to Dundas	190,000	89,416	96,162	4,422	97.7%	M. Oddi	Complete - surface asphalt in 2020
2019	5141970003	Brampton - Parkdale to Strathearne	780,000	777,753	-	2,247	99.7%	M. Oddi	Ongoing - work in progress (C15-36-18)
2019	5141970004	Brucedale - Upper Wentworth to Upper Sherman (Eastmount Nbhd)	780,000	249,006	506,749	24,245	96.9%	M. Oddi	Ongoing - work in progress (C15-59-18)
2019	5141970005	Cheever - Barton to Birge and Birge - Cheever to Wentworth	240,000	35,310	205,749	(1,060)	100.4%	M. Oddi	Ongoing - work in progress (C15-17-18)
2019	5141970007	Haddon - Sterling to Marion	310,000	45,193	-	264,807	14.6%	E. Waite / M. Zantingh / J. Grieci	Project delayed until 2020 to coordinate with Westdale Neighbourhood resurfacing.

City of Hamilton Capital Projects Status Report - Public Works Rate Supported Projects  
As of September 30, 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, 2019
			a	b	c	d	e		
2019	5141970008	Hewitson - Dupont to Barton	230,000	178,595	27,469	23,936	89.6%	M. Oddi	Complete - surface asphalt in 2020

City of Hamilton Capital Projects Status Report - Public Works Rate Supported Projects  
As of September 30, 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, 2019
			a	b	c	d	e		
2019	5141970009	Locke - Herkimer to Main	800,000	532,843	240,783	26,374	96.7%	M. Oddi	Ongoing - work in progress (C15-52-18)
2019	5141970010	Parkdale - Burlington to north end & Steel City Court	1,050,000	863,485	167,635	18,880	98.2%	M. Oddi	Complete - pending final review/audit/payment
2019	5141970012	Sheaffe / Park / Mulberry (Central Nbhd (North))	910,000	132,664	-	777,336	14.6%	E. Waite / M. Zantingh / J. Grieci	Deferred to 2020 due to combined sewer issues. MacNab rehabilitation to be done stand alone in 2019.
2019	5141971074	Contingency for Unscheduled Works Program - 2019	100,000	14,578	-	85,422	14.6%	E. Waite / P. McNab	% spent dependent on # of unscheduled works. Future budgets on hold pending depletion of these funds.
2019	5141971302	Baldwin & Court-West to Dundas	170,000	125,474	44,394	131	99.9%	M. Oddi	Complete - pending final review/audit/payment
2019	5141971303	Brampton - Parkdale to Strathearne	730,000	696,217	35,392	(1,608)	100.2%	M. Oddi	Ongoing - work in progress (C15-36-18)
2019	5141971304	Bruceedale - Upper Wentworth to Upper Sherman (Eastmount Nbhd)	1,710,000	1,160,842	450,843	98,315	94.3%	M. Oddi	Ongoing - work in progress (C15-59-18)
2019	5141971305	Cheever - Barton to Birge and Birge - Cheever to Wentworth	580,000	279,021	296,981	3,998	99.3%	M. Oddi	Ongoing - work in progress (C15-17-18)
2019	5141971306	Ferguson -Simcoe to Burlington	440,000	259,100	178,191	2,709	99.4%	M. Oddi	Ongoing - work in progress (C15-11-19)
2019	5141971307	Haddon - Sterling to Marion	510,000	74,350	-	435,650	14.6%	E. Waite / M. Zantingh / J. Grieci	Project delayed until 2020 to coordinate with Westdale Neighbourhood resurfacing.
2019	5141971308	Hewitson - Dupont to Barton	370,000	211,781	41,084	117,135	68.3%	M. Oddi	Complete - pending final review/audit/payment
2019	5141971309	Locke - Herkimer to Main	2,590,000	2,476,979	-	113,021	95.6%	M. Oddi	Ongoing - work in progress (C15-52-18)
2019	5141971310	Parkdale - Burlington to north end & Steel City Court	1,422,000	1,065,029	365,322	(8,352)	100.6%	M. Oddi	Complete - pending final review/audit/payment
2019	5141971312	Sheaffe / Park / Mulberry (Central Nbhd (North))	1,050,000	153,074	37,165	859,761	18.1%	E. Waite / M. Zantingh / J. Grieci	Deferred to 2020 due to combined sewer issues. MacNab rehabilitation to be done stand alone in 2019.
2019	5141971313	LRT Sherman-King to south end	90,000	22,387	4,300	63,313	29.7%	S. Jacob	Detailed design ongoing. Fall 2019 Tender, with construction in 2020.
2019	5141971314	LRT Wentworth - Wilson to King	90,000	4,508	25,770	59,722	33.6%	S. Jacob	Detailed design ongoing. Early 2020 Tender, with construction in 2020.
2019	5141971315	LRT Main-Delena to Normanhurst	230,000	47,207	155,102	27,692	88.0%	S. Jacob	Detailed design ongoing. CIMA+ is the consultant. Early 2020 Tender with construction occurring for possibly 2 years 2020/2021.

**Sub-Total Water - Engineering Services** 114,453,000 62,774,238 10,686,551 40,992,211 64.2%

**WasteWater - Engineering Services**

2007	5160795757	Centennial Trnk Swr-WW14,WW33	84,200,000	81,864,404	1,856,197	479,399	99.4%	M. Oddi	Sewer complete. Restoration ongoing.
2013	5161395358	Hwy 56 Forcemain&Twinning WW21	27,190,000	18,577,238	113,362	8,499,400	68.7%	M. Oddi	Sewer complete. Well monitoring ongoing.
2015	5161555077	Zoom Camera Inspection - Data Component	760,000	715,029	39,463	5,508	99.3%	E. Waite / M. Zantingh / H. Krinas	Complete - Close once commitments are paid/cleared
2015	5161560591	Barton St. Trunk Sewer Rehab - Strathearne to Weir	1,236,000	886,620	149,086	200,294	83.8%	E. Waite / M. Zantingh / H. Krinas	\$200k being used to WIP fund 2020 program. Complete - Close once commitments are paid/cleared.
2015	5161560999	Closed Projects - WasteWater	119,000	20,092	88,728	10,180	91.4%	M. Oddi / P. McNab	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 of all the original project ID. % spent is dependent on maintenance required.

City of Hamilton Capital Projects Status Report - Public Works Rate Supported Projects  
As of September 30, 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, 2019
			a	b	c	d	e		
2015	5161567563	HC005 - Public Properties	1,040,000	126,459	229,692	683,849	34.2%	E. Waite / M. Zantingh / H. Krinas	Ongoing - work in progress
2015	5161596855	Royal to Main-King CSO (WW-22)	24,880,000	2,446,837	166,636	22,266,527	10.5%	S. Jacob	Investigatory works on going for Geotech, Endangered Spices etc. Gaining land access for these investigations, opened up the possibility for implementation of Phase 1 by 2021. Has to be co-ordinated with LRT works as the project will be in the close proximity of the OMSF building of LRT.
2016	5161660533	Trenchless Manhole Rehabilitation - 2016	80,000	12,897	62,082	5,021	93.7%	E. Waite / M. Zantingh / H. Krinas	Complete - Close once commitments are paid/cleared
2016	5161662073	Field Data Systems Program - 2016	160,110	96,540	-	63,570	60.3%	E. Waite / D. Sharma	\$60k being used to WIP fund 2020 program and then this project can be closed.
2017	5161718420	Grindstone Creek Utility Bridge	970,000	642,406	256,245	71,349	92.6%	E. Waite / M. Zantingh / H. Krinas	Complete - Close once commitments are paid/cleared
2017	5161760390	Wastewater System Lining Program - 2017	4,500,000	4,500,000	-	-	100.0%	E. Waite / M. Zantingh / H. Krinas	Complete. Claim for CWWF funding underway.
2017	5161760533	Trenchless Manhole Rehabilitation - 2017	80,000	9,367	70,000	633	99.2%	E. Waite / M. Zantingh / H. Krinas	Complete - Close once commitments are paid/cleared
2017	5161760575	Mainline Sewer Condition Assessment Program - 2017	1,330,000	1,330,000	-	-	100.0%	E. Waite / M. Zantingh / H. Krinas	100% complete - CWWF funded
2017	5161768240	Western Interceptor Sewer CCTV and Sonar Inspection	2,460,000	922,430	748,089	789,480	67.9%	E. Waite / M. Zantingh / H. Krinas	Ongoing - work in progress
2018	5161849555	QA-QC Service Contract - 2018	110,000	47,755	44,013	18,232	83.4%	E. Waite / M. Zantingh / H. Krinas	Complete - Close once commitments are paid/cleared
2018	5161855556	Mapping Update - 2018	40,000	6,734	33,000	266	99.3%	D. Lamont / C. Lauricella	Ongoing - work in progress. Anticipate completion by year end 2019
2018	5161855878	Forcemain Condition Assessment Program - 2018	300,000	138,502	63,017	98,481	67.2%	E. Waite / M. Zantingh / H. Krinas	Ongoing - work in progress
2018	5161860390	Wastewater System Lining Program - 2018	4,582,000	4,582,000	-	-	100.0%	E. Waite / M. Zantingh / H. Krinas	Complete. Claim for CWWF funding underway.
2018	5161860533	Trenchless Manhole Rehabilitation - 2018	40,000	27,568	11,869	564	98.6%	E. Waite / M. Zantingh / H. Krinas	Complete - Close once commitments are paid/cleared
2018	5161860574	Pre-Construction Mainline Condition Assessment	550,000	240,260	303,116	6,625	98.8%	E. Waite / M. Zantingh / H. Krinas	Complete - Close once commitments are paid/cleared
2018	5161860575	Mainline Sewer Condition Assessment Program - 2018	1,260,000	559,743	608,584	91,673	92.7%	E. Waite / M. Zantingh / H. Krinas	Complete - Close once commitments are paid/cleared

City of Hamilton Capital Projects Status Report - Public Works Rate Supported Projects  
As of September 30, 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, 2019
			a	b	c	d	e		
2018	5161860830	Windemere Rd Sewer Extension, Municipal Act	980,000	939,360	2,691	37,948	96.1%	E. Waite / M. Zantingh / H. Krinas	Ongoing - work in progress
2018	5161861444	Sewer Lateral Replace/Rehab Program - 2018	4,139,000	4,139,000	-	-	100.0%	E. Waite / M. Zantingh / H. Krinas	Complete. Claim for CWWF funding underway.
2018	5161862850	Eastern Interceptor Repair at the WWTP Aeration Tank	2,800,000	505,603	83,080	2,211,317	21.0%	E. Waite / M. Zantingh / H. Krinas	Ongoing - work in progress. Project delayed due to works at Woodward WWTP. Consulting to be completed in 2019 and Construction to start 2020.
2018	5161871074	Contingency for Unscheduled Works Program - 2018	100,000	23,223	42,474	34,303	65.7%	E. Waite / P. McNab	% spent dependent on # of unscheduled works. Future budgets on hold pending depletion of these funds.
2019	5161911101	Road Restoration Program - 2019	1,800,000	781,190	863,310	155,501	91.4%	D Lamont/ Waddell	Ongoing - work in progress. Anticipate completion by Q2 2020
2019	5161949555	QA-QC Service Contract 2019	220,000	97,485	98,398	24,117	89.0%	E. Waite / M. Zantingh / H. Krinas	Ongoing - work in progress
2019	5161955556	Mapping Update - 2019	40,000	5,831	-	34,169	14.6%	D Lamont/ Lauricella	Ongoing - work in progress. Anticipate completion by year end 2020
2019	5161955878	Forcemain Condition Assessment Program - 2019	310,000	45,193	-	264,807	14.6%	E. Waite / M. Zantingh / H. Krinas	Ongoing - work in progress
2019	5161960390	Wastewater System Lining Program - 2019	4,660,000	2,884,743	1,197,340	577,917	87.6%	E. Waite / M. Zantingh / H. Krinas	Ongoing - work in progress
2019	5161960533	Trenchless Manhole Rehabilitation - 2019	80,000	7,663	68,768	3,569	95.5%	E. Waite / M. Zantingh / H. Krinas	Complete - Close once commitments are paid/cleared
2019	5161960574	Pre-Construction Mainline Condition Assessment	580,000	97,555	-	482,445	16.8%	E. Waite / M. Zantingh / H. Krinas	Ongoing - work in progress
2019	5161960575	Mainline Sewer Condition Assessment Program - 2019	790,000	295,438	468,050	26,512	96.6%	E. Waite / M. Zantingh / H. Krinas	Ongoing - work in progress
2019	5161960576	Sewer Lateral Condition Assessment - 2019	620,000	268,749	367,420	(16,169)	102.6%	E. Waite / M. Zantingh / H. Krinas	Ongoing - work in progress
2019	5161960577	Mainline Sewer Condition Assessment for Compliance & Regs - 2019	120,000	22,686	100,000	(2,686)	102.2%	E. Waite / M. Zantingh / H. Krinas	Ongoing - work in progress
2019	5161960711	PW Capital Water Consumption Program - 2019	200,000	28,252	-	171,748	14.1%	E. Waite / P. McNab	Ongoing - work in progress. Anticipate completion Q4 2019
2019	5161960820	Open Cut Repairs for CIPP Program - 2019	580,000	419,265	162,280	(1,545)	100.3%	E. Waite / M. Zantingh / H. Krinas	Ongoing - work in progress
2019	5161960942	Ancaster Sewage Pipeline Rehab	6,560,000	956,349	5,992,640	(388,989)	105.9%	E. Waite / M. Zantingh / H. Krinas	Cash flow project - 2020 budget will cover this deficit





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, 2019
			a	b	c	d	e		
2016	5181672074	Contingency for Unscheduled Works Program - 2016	150,000	35,370	26,345	88,286	41.1%	E. Waite / P. McNab	\$80k being used to WIP fund 2020 program. Complete - Close once commitments are paid/cleared.
2016	5181672259	SERG - Gage Park Pond	2,213,000	2,066,837	149,978	(3,814)	100.2%	M. Oddi	Complete - pending final review/audit/payment

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, 2019
			a	b	c	d	e		
2016	5181672650	West Mtn Sewers - Juggernaut	12,966,000	11,347,551	1,607,078	11,371	99.9%	E. Waite / M. Zantingh / H. Krinas	Ongoing - work in progress. To be complete by Q3 2019
2017	5181760533	Trenchless Manhole Rehabilitation - 2017	80,000	9,367	70,000	633	99.2%	E. Waite / M. Zantingh / H. Krinas	Complete - Close once commitments are paid/cleared
2018	5181849555	QA-QC Service Contract - 2018	86,000	57,072	9,509	19,420	77.4%	E. Waite / M. Zantingh / H. Krinas	Ongoing - work in progress
2018	5181855556	Mapping Update - 2018	40,000	6,734	33,000	266	99.3%	D. Lamont / C. Lauricella	Ongoing - work in progress. Anticipate completion by year end 2019
2018	5181860533	Trenchless Manhole Rehabilitation - 2018	40,000	4,134	35,290	576	98.6%	E. Waite / M. Zantingh / H. Krinas	Complete - Close once commitments are paid/cleared
2018	5181860999	Closed Projects - Storm	90,000	-	85,918	4,082	95.5%	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 of all the original project ID. % spent is dependent on maintenance required.
2018	5181872074	Contingency for Unscheduled Works Program - 2018	100,000	16,836	42,000	41,164	58.8%	E. Waite / P. McNab	\$40k being used to WIP fund 2020 program. Complete - Close once commitments are paid/cleared.
2019	5181949555	QA-QC Service Contract 2019	160,000	63,883	83,517	12,600	92.1%	E. Waite / M. Zantingh / H. Krinas	Ongoing - work in progress
2019	5181955556	Mapping Update - 2019	40,000	5,831	-	34,169	14.6%	D. Lamont / C. Lauricella	Ongoing - work in progress. Anticipate completion by year end 2020
2019	5181960533	Trenchless Manhole Rehabilitation - 2019	80,000	10,663	68,768	569	99.3%	E. Waite / M. Zantingh / H. Krinas	Ongoing - work in progress
2019	5181962073	Field Data Systems Program - 2019	110,000	32,044	16,835	61,121	44.4%	E. Waite / D. Sharma	Ongoing - work in progress
2019	5181972074	Contingency for Unscheduled Works Program - 2019	120,000	17,494	-	102,506	14.6%	E. Waite / P. McNab	% spent dependent on # of unscheduled works. Future budgets on hold pending depletion of these funds.
2019	5181972290	Hewitson - Dupont to Barton	520,000	486,215	-	33,785	93.5%	E. Waite / M. Zantingh / H. Krinas	Contract C15-02-18 awarded to Wesroc. \$33k surplus at time of tender.
2019	5181972291	Haddon - Sterling to Marion	300,000	43,735	20,106	236,159	21.3%	E. Waite / M. Zantingh / H. Krinas	Project delayed until 2020 to coordinate with Westdale Neighbourhood resurfacing.
2019	5181972292	Baldwin & Court-West to Dundas	290,000	123,870	15,092	151,038	47.9%	E. Waite / M. Zantingh / H. Krinas	Contract C15-25-19 awarded for construction in 2019. \$150k surplus at time of tender.
2019	5181972940	Evans Road Culvert Twinning	170,000	1,622	99,306	69,072	59.4%	E. Waite / M. Zantingh / H. Krinas	Ongoing - work in progress
<b><u>Sub-Total Storm Sewers - Engineering Services</u></b>			<b>28,689,000</b>	<b>23,494,484</b>	<b>3,109,403</b>	<b>2,085,113</b>	<b>92.7%</b>		
<b><u>TOTAL WATER, WASTEWATER &amp; STORM SEWERS ENGINEERING SECTION</u></b>			<b>330,438,110</b>	<b>218,919,862</b>	<b>29,486,926</b>	<b>82,031,322</b>	<b>75.2%</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, 2019
			a	b	c	d	e		

City of Hamilton Capital Projects Status Report - Public Works Rate Supported Projects  
As of September 30, 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, 2019
			a	b	c	d	e		

WATER WASTEWATER & STORM SEWERS OPERATIONS SECTION

Water - Operations

2017	5141751710	Fleet Additions - Hamilton Water - 2017	560,000	401,944	4,248	153,808	72.5%	N. Winters / P. Kowalski	To be fully spent by January 2020
2017	5141760750	Unscheduled Valve, Hydrant etc - 2017	1,040,000	437,418	575,926	26,656	97.4%	N. Winters / D. Alberton	Complete - Close once commitments are paid/cleared
2018	5141851810	Fleet Additions - Hamilton Water - 2018	1,230,000	344,878	-	885,122	28.0%	N. Winters / P. Kowalski	To be fully spent by January 2020
2018	5141855851	Water Efficiency Plan - 2018	221,000	43,182	90,931	86,887	60.7%	N. Winters / J. Wagner	Ongoing - work in progress
2018	5141860750	Unscheduled Valve, Hydrant etc - 2018	799,000	764,326	25,572	9,102	98.9%	N. Winters / Alberton	Complete - Close once commitments are paid/cleared
2018	5141862078	Substandard Water Service Replacement Program - 2018	2,849,000	2,006,874	770,614	71,512	97.5%	N. Winters / D. Alberton	Ongoing - work in progress. Will be fully spent by November 2019
2018	5141869075	Environmental Lab Improvements - 2018	200,000	7,000	-	193,000	3.5%	A. Grice / C. Vanderperk / R. Eszes	Anticipate 100% spent by year end 2019.
2019	5141960750	Unscheduled Valve, Hydrant etc - 2019	3,033,000	1,256,403	1,565,330	211,267	93.0%	N. Winters / D. Alberton	Ongoing - Work in progress to be fully spent by June 1, 2020
2019	5141961502	Water Meter - Installation /Replace/Repair - General Mtnc - 2019	2,860,000	1,871,665	979,953	8,382	99.7%	N. Winters / R. DiGiovanni	Ongoing - work in progress - this project will run until Oct 31 2019.
2019	5141961910	Res Water Meter and Meter Pit	180,000	-	-	180,000	0.0%	N. Winters / R. DiGiovanni	Ongoing - work in progress - guns will be used in 2020 as non compliant customers have water meters installed.
2019	5141962078	Substandard Water Service Replacement Program - 2019	2,750,000	-	562,000	2,188,000	20.4%	N. Winters / D. Alberton	Ongoing - work in progress - to be fully committed to a P.O. by November 2019
2019	5141969075	Environmental Lab Improvements - 2019	220,000	-	18,790	201,210	8.5%	A. Grice / C. Vanderperk / R. Eszes	Tied to the HVAC Upgrade

Sub-Total - Hamilton Water - Operations			15,942,000	7,133,688	4,593,365	4,214,947	73.6%		
---	--	--	------------	-----------	-----------	-----------	-------	--	--

WasteWater - Operations

2014	5161469076	BCOS-Beyond Compliance OP Sys	243,000	105,159	-	137,841	43.3%	A. Grice / C. Vanderperk / S. Girt	Various projects are upcoming in 2020 (WW compliance audit, training and OH&S assistance).
2015	5161567565	HC005 Montgomery Drive - Inline Storage	2,170,000	2,065,820	26,482	77,697	96.4%	N. Winters / S. MacPherson- Nemeth	Inline storage monitoring project is ongoing and expected to be completed within the existing PO 78212 budget by December 31, 2019.
2016	5161669075	Environmental Lab Improvements - 2016	345,000	221,317	13,183	110,501	68.0%	A. Grice / Vanderperk/ Eszes	Part of HVAC upgrade. Do not close.
2017	5161755422	Sewer Use Bylaw Enforcement Infor Upgrade	80,000	30,402	20,870	28,728	64.1%	A. Grice / C. Vanderperk / Saunders	PO requested for \$23k to be spent by the end of 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, 2019
			a	b	c	d	e		
2017	5161760302	Emergency Repairs - Cross Connections - 2017	1,000,000	660,521	317,412	22,067	97.8%	N. Winters / D. Alberton	Ongoing - work in progress. This account funds the investigation and correction of sewer lateral cross connections. Funds committed to a P.O. which will be spent by December 31, 2019

City of Hamilton Capital Projects Status Report - Public Works Rate Supported Projects  
As of September 30, 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, 2019
			a	b	c	d	e		
2017	5161766423	Sewer Use Bylaw 14-090 Parameter Limit Review	300,000	114,649	-	185,351	38.2%	A. Grice / C. Vanderperk / Saunders	Will spend \$32k on Rate Review: have not received final report yet. Will spend ~ \$100k in 2020 for construction dewatering project. May spend \$60k on Klir project in 2020.
2017	5161769075	Environmental Lab Improvements - 2017	250,000	12,224	69,860	167,916	32.8%	A. Grice / C. Vanderperk / R. Eszes	Anticipate 100% spent by year end 2019.
2018	5161860302	Emergency Repairs - Cross Connections - 2018	500,000	355,040	131,101	13,859	97.2%	N. Winters / D. Alberton	Ongoing - work in progress. This account funds the investigation and correction of sewer lateral cross connections. .
2018	5161860522	Sewer Lateral Management Program (WWC) - 2018	4,500,000	4,419,988	178,714	(98,702)	102.2%	N. Winters / D. Alberton	Ongoing 2019 work. This remaining amount is now fully committed to a P.O.
2018	5161861740	Unscheduled Manhole & Sewermain - 2018	320,000	275,676	44,093	231	99.9%	N. Winters / D. Alberton	Complete - Close once commitments are paid/cleared
2018	5161869075	Environmental Lab Improvements - 2018	200,000	-	-	200,000	0.0%	A. Grice / C. Vanderperk / R. Eszes	Anticipate 100% spent early 2020.
2019	5161960302	Emergency Repairs - Cross Connections - 2019	750,000	87,150	204,358	458,493	38.9%	N. Winters / D. Alberton	Ongoing - Work in progress - his account funds the investigation and correction of sewer lateral cross connections.
2019	5161960522	Sewer Lateral Management Program (WWC) - 2019	4,500,000	596,653	1,552,307	2,351,040	47.8%	N. Winters / D. Alberton	Ongoing Work in Progress, will be fully committed to P.O. by February 2020
2019	5161961740	Unscheduled Manhole & Sewermain - 2019	400,000	-	387,000	13,000	96.8%	N. Winters / D. Alberton	Ongoing - Work in Progress - To be fully spent by Aug 1,2020
2019	5161969075	Environmental Lab Improvements - 2019	200,000	-	-	200,000	0.0%	A. Grice / C. Vanderperk / R. Eszes	Tied to the HVAC Upgrade
<b><u>Sub-Total - Hamilton WasteWater - Operations</u></b>			<b>15,758,000</b>	<b>8,944,599</b>	<b>2,945,379</b>	<b>3,868,022</b>	<b>75.5%</b>		
<b><u>Storm Sewers - Hamilton Water</u></b>									
2014	5181460452	Shoreline Protection Program	1,310,000	259,741	149,706	900,552	31.3%	N. Winters / R. Moore	Ongoing - work in progress - construction tender closed. Construction beginning October 2019
2014	5181460461	Forty Mile Municipal Drain	100,000	91,363	-	8,637	91.4%	N. Winters / R. Moore	Request for invoice processing with finance re cost sharing.
2014	5181460722	Municipal Drain Program - 2014/15	139,000	33,264	-	105,736	23.9%	N. Winters / R. Moore	CLOSE NEXT BER
2015	5181510501	Mathers Drive Bank Erosion Control and Slope Stabilization	1,100,000	688,724	217,882	193,394	82.4%	N. Winters / R. Moore	Construction Works Complete. Monitoring work to commence until 2022.
2017	5181755740	Flushables Research Study	75,000	67,599	8,570	(1,169)	101.6%	N. Winters / J. Wagner	Cole Engineering p.o. to remain active until Q4 2019. Will be fully utilized in early November 2019.
2017	5181774730	Centre Road Drainage Improvement	100,000	-	100,000	-	100.0%	N. Winters / R. Moore	Construction Complete Q3. This Project ID belongs to Transportation Operations & Maintenance (Program & Contracts Section). Matthew Pastuszok is the Project Manager.
2018	5181860622	SWM Facility Maintenance Program - 2018	1,200,000	425,987	714,469	59,543	95.0%	N. Winters / R. Moore	Ongoing - Construction Work coming to a close.

City of Hamilton Capital Projects Status Report - Public Works Rate Supported Projects  
As of September 30, 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, 2019
			a	b	c	d	e		
2018	5181860722	Municipal Drain Program - 2018	280,000	132,190	48,243	99,568	64.4%	N. Winters / R. Moore	Consultant Report finalized. Report going to Council 2019 Q4/ 2020 Q1.
2018	5181861740	Unscheduled Manhole & Sewermain - 2018	30,000	17,105	11,191	1,704	94.3%	N. Winters / D. Alberton	Complete - Close once commitments are paid/cleared



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, 2019
			a	b	c	d	e		
2018	5181874840	Sydenham Interceptor Swale Re- construction	260,000	-	-	260,000	0.0%	N. Winters / R. Moore	Re-evaluating project needs, monitoring site condition.
2018	5181817152	Cross Road Culvert Program - 2018	1,380,000	290,595	189,679	899,726	34.8%	E. Soldo / M. Pastuszok	Centre Rd contract complete. Design Drawings are being reviewed for Old Guelph Rd Culvert contract 2018 work is being monitored and inspected for completeness
2018	5181817458	Catch Basin Replacement/Rehabilitation Program - 2018	590,000	497,172	29,494	63,334	89.3%	E. Soldo/ McCleary	work ongoing.
2019	5181917152	Cross Road Culvert Program - 2019	1,390,000	25,181	1,300,476	64,343	95.4%	E. Soldo / M. Pastuszok	Contract went out successfully and is ongoing until winter. Over 30 culverts completed so far.
2019	5181917458	Catch Basin Replacement/Rehabilitation Program - 2019	770,000	146,232	303,226	320,542	58.4%	E. Soldo/ R. Marques	CB repair ongoing. New PO commitment for LM Enterprises is imminent.
2019	5181917549	Concrete Box Culvert Rehabilitation/Repair (< 3.0m span) - 2019	620,000	3,328	-	616,672	0.5%	E. Soldo / M. Pastuszok	Garner Rd concrete box culvert rehabilitation was completed
2018	5181874841	Lower Davis Creek - Flood Control Facility	550,000	53,900	44,446	451,654	17.9%	N. Winters / R. Moore	Ongoing - work in progress - design and tender preparation in progress. 75% Design Complete.
2019	5181960622	SWM Facility Maintenance Program - 2019	1,200,000	106,615	1,100,100	(6,715)	100.6%	N. Winters / R. Moore	Ongoing - Construction Work coming to a close.
2019	5181960722	Municipal Drain Program - 2019	100,000	-	-	100,000	0.0%	N. Winters / R. Moore	Ongoing - work in progress
2019	5181961740	Unscheduled Manhole & Sewermain - 2019	60,000	-	-	60,000	0.0%	N. Winters / D. Alberton	Ongoing - Work in Progress - To be fully spent by Aug 1,2020
2019	5181974950	Watercourse & Drainage Mtn	580,000	-	-	580,000	0.0%	N. Winters / R. Moore	Ongoing - work in progress
2019	5181974951	Shoreline Protection Program	350,000	-	-	350,000	0.0%	N. Winters / R. Moore	Ongoing - work in progress
<b><u>Sub-Total - Hamilton Storm Sewers - Roads O&amp;M</u></b>			<b>12,184,000</b>	<b>2,838,996</b>	<b>4,217,482</b>	<b>5,127,522</b>	<b>57.9%</b>		
<b><u>TOTAL WATER, WASTEWATER &amp; STORM SEWERS - OPERATIONS</u></b>			<b>43,884,000</b>	<b>18,917,284</b>	<b>11,756,225</b>	<b>13,210,491</b>	<b>69.9%</b>		
<b>Total Public Works - Rate Supported</b>			<b>1,069,140,485</b>	<b>473,509,347</b>	<b>372,412,217</b>	<b>223,218,920</b>	<b>79.1%</b>		