

HALTON REGION

Budget and Business Plan 2018

Capital Budget

HALTON REGION

Budget and Business Plan 2018

Tax – Capital

CAPITAL BUDGET
TAX-CAPITAL

2018
BUDGET & BUSINESS PLAN

2018 - 2027 TAX CAPITAL BUDGET (Uninflated \$000's)

	GROSS COST	SUBSIDY/ RECOVERY	NET REGIONAL RESPONS	DEVELOPMENT CHARGES		GENERAL RESERVES & OTHER	CAPITAL INVEST. RESERVE	DEBENTURES	
				NON-RESIDENTIAL	RESIDENTIAL			GROWTH	REGIONAL
2018 Finance									
Financial Planning & Budgets	405	-	405	86	216	103	-	-	-
Information Technology	5,089	-	5,089	-	-	5,089	-	-	-
Sub-total	5,494	-	5,494	86	216	5,192	-	-	-
Health									
Paramedic Services	7,832	-	7,832	446	2,262	5,124	-	-	-
Health -Other	51	-	51	-	-	51	-	-	-
Sub-total	7,883	-	7,883	446	2,262	5,175	-	-	-
Legislative & Planning Services									
Planning	22,143	-	22,143	322	4,624	17,197	-	-	-
Asset Management	15,227	-	15,227	-	-	15,227	-	-	-
Sub-total	37,370	-	37,370	322	4,624	32,424	-	-	-
Social & Community Services									
Childrens Services	50	-	50	-	-	50	-	-	-
Services for Seniors	650	-	650	-	-	650	-	-	-
Sub-total	700	-	700	-	-	700	-	-	-
Public Works									
Transportation	207,039	-	207,039	-	95,374	111,665	-	-	-
Waste Management	2,720	-	2,720	-	-	2,720	-	-	-
Sub-total	209,759	-	209,759	-	95,374	114,385	-	-	-
Halton Regional Police Service	7,380	-	7,380	290	600	6,490	-	-	-
TOTAL 2018	268,585	-	268,585	1,144	103,076	164,365	-	-	-
2019 Finance									
Financial Planning & Budgets	305	-	305	86	216	3	-	-	-
Information Technology	4,810	-	4,810	-	-	4,810	-	-	-
Sub-total	5,115	-	5,115	86	216	4,813	-	-	-
Health									
Paramedic Services	1,776	-	1,776	13	67	1,696	-	-	-
Health -Other	333	-	333	-	-	333	-	-	-
Sub-total	2,109	-	2,109	13	67	2,029	-	-	-
Legislative & Planning Services									
Planning	22,464	-	22,464	108	3,526	18,830	-	-	-
Asset Management	4,577	-	4,577	-	-	4,577	-	-	-
Sub-total	27,041	-	27,041	108	3,526	23,407	-	-	-
Social & Community Services									
Childrens Services	50	-	50	-	-	50	-	-	-
Services for Seniors	650	-	650	-	-	650	-	-	-
Sub-total	700	-	700	-	-	700	-	-	-
Public Works									
Transportation	253,814	-	253,814	-	138,887	114,927	-	-	-
Waste Management	2,734	-	2,734	-	-	2,734	-	-	-
Sub-total	256,548	-	256,548	-	138,887	117,661	-	-	-
Halton Regional Police Service	27,008	-	27,008	458	1,097	16,707	-	8,747	-
TOTAL 2019	318,521	-	318,521	665	143,793	165,317	-	8,747	-



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BUDGET & BUSINESS PLAN

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	GROSS COST	SUBSIDY/ RECOVERY	NET REGIONAL RESPONS	DEVELOPMENT CHARGES		GENERAL RESERVES & OTHER	CAPITAL INVEST. RESERVE	DEBENTURES	
				NON-RESIDENTIAL	RESIDENTIAL			GROWTH	REGIONAL
2020 Finance									
Financial Planning & Budgets	814	-	814	230	575	9	-	-	-
Information Technology	3,848	-	3,848	-	-	3,848	-	-	-
Sub-total	4,662	-	4,662	230	575	3,857	-	-	-
Health									
Paramedic Services	1,492	-	1,492	15	75	1,402	-	-	-
Health -Other	175	-	175	-	-	175	-	-	-
Sub-total	1,667	-	1,667	15	75	1,577	-	-	-
Legislative & Planning Services									
Planning	27,930	-	27,930	138	4,590	23,202	-	-	-
Asset Management	32,258	-	32,258	-	-	32,258	-	-	-
Sub-total	60,188	-	60,188	138	4,590	55,460	-	-	-
Social & Community Services									
Childrens Services	50	-	50	-	-	50	-	-	-
Services for Seniors	650	-	650	-	-	650	-	-	-
Sub-total	700	-	700	-	-	700	-	-	-
Public Works									
Transportation	172,640	-	172,640	-	79,586	93,054	-	-	-
Waste Management	7,954	-	7,954	33	636	7,285	-	-	-
Sub-total	180,594	-	180,594	33	80,222	100,339	-	-	-
Halton Regional Police Service	6,045	-	6,045	279	670	5,096	-	-	-
TOTAL 2020	253,856	-	253,856	695	86,132	167,029	-	-	-
2021 Finance									
Financial Planning & Budgets	610	-	610	173	431	6	-	-	-
Information Technology	5,086	-	5,086	-	-	5,086	-	-	-
Sub-total	5,696	-	5,696	173	431	5,092	-	-	-
Health									
Paramedic Services	1,911	-	1,911	16	79	1,816	-	-	-
Health -Other	345	-	345	-	-	345	-	-	-
Sub-total	2,256	-	2,256	16	79	2,161	-	-	-
Legislative & Planning Services									
Planning	11,604	-	11,604	50	3,423	8,131	-	-	-
Asset Management	3,959	-	3,959	-	-	3,959	-	-	-
Sub-total	15,563	-	15,563	50	3,423	12,090	-	-	-
Social & Community Services									
Childrens Services	50	-	50	-	-	50	-	-	-
Services for Seniors	650	-	650	-	-	650	-	-	-
Sub-total	700	-	700	-	-	700	-	-	-
Public Works									
Transportation	123,389	-	123,389	-	64,049	59,340	-	-	-
Waste Management	1,069	-	1,069	-	-	1,069	-	-	-
Sub-total	124,458	-	124,458	-	64,049	60,409	-	-	-
Halton Regional Police Service	4,789	-	4,789	279	680	3,830	-	-	-
TOTAL 2021	153,462	-	153,462	518	68,662	84,282	-	-	-



CAPITAL BUDGET
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2018 - 2027 TAX CAPITAL BUDGET (Uninflated \$000's)

	GROSS COST	SUBSIDY/ RECOVERY	NET REGIONAL RESPONS	DEVELOPMENT CHARGES		GENERAL RESERVES & OTHER	CAPITAL INVEST. RESERVE	DEBENTURES	
				NON-RESIDENTIAL	RESIDENTIAL			GROWTH	REGIONAL
2022 Finance									
Financial Planning & Budgets	305	-	305	86	216	3	-	-	-
Information Technology	3,344	-	3,344	-	-	3,344	-	-	-
Sub-total	3,649	-	3,649	86	216	3,347	-	-	-
Health									
Paramedic Services	1,559	-	1,559	17	84	1,458	-	-	-
Health -Other	110	-	110	-	-	110	-	-	-
Sub-total	1,669	-	1,669	17	84	1,568	-	-	-
Legislative & Planning Services									
Planning	13,315	-	13,315	286	4,504	8,525	-	-	-
Asset Management	3,247	-	3,247	-	-	3,247	-	-	-
Sub-total	16,562	-	16,562	286	4,504	11,772	-	-	-
Social & Community Services									
Childrens Services	50	-	50	-	-	50	-	-	-
Services for Seniors	650	-	650	-	-	650	-	-	-
Sub-total	700	-	700	-	-	700	-	-	-
Public Works									
Transportation	127,166	-	127,166	-	55,506	71,660	-	-	-
Waste Management	1,170	-	1,170	-	-	1,170	-	-	-
Sub-total	128,336	-	128,336	-	55,506	72,830	-	-	-
Halton Regional Police Service	4,697	-	4,697	279	690	3,728	-	-	-
TOTAL 2022	155,613	-	155,613	668	61,000	93,945	-	-	-
2023 Finance									
Financial Planning & Budgets	305	-	305	86	216	3	-	-	-
Information Technology	4,697	-	4,697	-	-	4,697	-	-	-
Sub-total	5,002	-	5,002	86	216	4,700	-	-	-
Health									
Paramedic Services	3,494	-	3,494	17	84	3,393	-	-	-
Health -Other	124	-	124	-	-	124	-	-	-
Sub-total	3,618	-	3,618	17	84	3,517	-	-	-
Legislative & Planning Services									
Planning	12,456	-	12,456	143	4,652	7,661	-	-	-
Asset Management	3,619	-	3,619	-	-	3,619	-	-	-
Sub-total	16,075	-	16,075	143	4,652	11,280	-	-	-
Social & Community Services									
Childrens Services	50	-	50	-	-	50	-	-	-
Services for Seniors	650	-	650	-	-	650	-	-	-
Sub-total	700	-	700	-	-	700	-	-	-
Public Works									
Transportation	90,801	-	90,801	-	47,929	42,872	-	-	-
Waste Management	5,789	-	5,789	-	-	5,789	-	-	-
Sub-total	96,590	-	96,590	-	47,929	48,661	-	-	-
Halton Regional Police Service	4,963	-	4,963	219	556	4,188	-	-	-
TOTAL 2023	126,948	-	126,948	465	53,437	73,046	-	-	-



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	GROSS COST	SUBSIDY/ RECOVERY	NET REGIONAL RESPONS	DEVELOPMENT CHARGES		GENERAL RESERVES & OTHER	CAPITAL INVEST. RESERVE	DEBENTURES	
				NON-RESIDENTIAL	RESIDENTIAL			GROWTH	REGIONAL
2024 Finance									
Financial Planning & Budgets	305	-	305	86	216	3	-	-	-
Information Technology	4,378	-	4,378	-	-	4,378	-	-	-
Sub-total	4,683	-	4,683	86	216	4,381	-	-	-
Health									
Paramedic Services	5,711	-	5,711	17	84	5,610	-	-	-
Health -Other	401	-	401	-	-	401	-	-	-
Sub-total	6,112	-	6,112	17	84	6,011	-	-	-
Legislative & Planning Services									
Planning	14,947	-	14,947	193	4,775	9,979	-	-	-
Asset Management	3,262	-	3,262	-	-	3,262	-	-	-
Sub-total	18,209	-	18,209	193	4,775	13,241	-	-	-
Social & Community Services									
Childrens Services	50	-	50	-	-	50	-	-	-
Services for Seniors	650	-	650	-	-	650	-	-	-
Sub-total	700	-	700	-	-	700	-	-	-
Public Works									
Transportation	120,980	-	120,980	-	63,591	57,389	-	-	-
Waste Management	1,980	-	1,980	-	-	1,980	-	-	-
Sub-total	122,960	-	122,960	-	63,591	59,369	-	-	-
Halton Regional Police Service	4,317	-	4,317	75	204	4,038	-	-	-
TOTAL 2024	156,981	-	156,981	371	68,870	87,740	-	-	-
2025 Finance									
Financial Planning & Budgets	814	-	814	230	575	9	-	-	-
Information Technology	4,687	-	4,687	-	-	4,687	-	-	-
Sub-total	5,501	-	5,501	230	575	4,696	-	-	-
Health									
Paramedic Services	2,557	-	2,557	17	84	2,456	-	-	-
Health -Other	113	-	113	-	-	113	-	-	-
Sub-total	2,670	-	2,670	17	84	2,569	-	-	-
Legislative & Planning Services									
Planning	13,903	-	13,903	50	4,423	9,430	-	-	-
Asset Management	3,707	-	3,707	-	-	3,707	-	-	-
Sub-total	17,610	-	17,610	50	4,423	13,137	-	-	-
Social & Community Services									
Childrens Services	50	-	50	-	-	50	-	-	-
Services for Seniors	650	-	650	-	-	650	-	-	-
Sub-total	700	-	700	-	-	700	-	-	-
Public Works									
Transportation	201,643	-	201,643	-	106,308	95,335	-	-	-
Waste Management	15,961	-	15,961	-	-	15,961	-	-	-
Sub-total	217,604	-	217,604	-	106,308	111,296	-	-	-
Halton Regional Police Service	4,307	-	4,307	75	204	4,028	-	-	-
TOTAL 2025	248,393	-	248,393	372	111,594	136,427	-	-	-



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	GROSS COST	SUBSIDY/ RECOVERY	NET REGIONAL RESPONS	DEVELOPMENT CHARGES		GENERAL RESERVES & OTHER	CAPITAL INVEST. RESERVE	DEBENTURES	
				NON-RESIDENTIAL	RESIDENTIAL			GROWTH	REGIONAL
2026 Finance									
Financial Planning & Budgets	610	-	610	173	431	6	-	-	-
Information Technology	4,028	-	4,028	-	-	4,028	-	-	-
Sub-total	4,638	-	4,638	173	431	4,034	-	-	-
Health									
Paramedic Services	2,284	-	2,284	17	84	2,183	-	-	-
Health -Other	123	-	123	-	-	123	-	-	-
Sub-total	2,407	-	2,407	17	84	2,306	-	-	-
Legislative & Planning Services									
Planning	23,404	-	23,404	157	4,687	18,560	-	-	-
Asset Management	4,043	-	4,043	-	-	4,043	-	-	-
Sub-total	27,447	-	27,447	157	4,687	22,603	-	-	-
Social & Community Services									
Childrens Services	50	-	50	-	-	50	-	-	-
Services for Seniors	650	-	650	-	-	650	-	-	-
Sub-total	700	-	700	-	-	700	-	-	-
Public Works									
Transportation	112,382	-	112,382	-	64,495	47,887	-	-	-
Waste Management	498	-	498	-	-	498	-	-	-
Sub-total	112,880	-	112,880	-	64,495	48,385	-	-	-
Halton Regional Police Service	3,836	-	3,836	75	204	3,557	-	-	-
TOTAL 2026	151,909	-	151,909	422	69,901	81,586	-	-	-
2027 Finance									
Financial Planning & Budgets	305	-	305	86	216	3	-	-	-
Information Technology	4,705	-	4,705	-	-	4,705	-	-	-
Sub-total	5,010	-	5,010	86	216	4,708	-	-	-
Health									
Paramedic Services	1,671	-	1,671	17	84	1,570	-	-	-
Health -Other	350	-	350	-	-	350	-	-	-
Sub-total	2,021	-	2,021	17	84	1,920	-	-	-
Legislative & Planning Services									
Planning	12,065	-	12,065	143	4,652	7,270	-	-	-
Asset Management	4,193	-	4,193	-	-	4,193	-	-	-
Sub-total	16,258	-	16,258	143	4,652	11,463	-	-	-
Social & Community Services									
Childrens Services	50	-	50	-	-	50	-	-	-
Services for Seniors	650	-	650	-	-	650	-	-	-
Sub-total	700	-	700	-	-	700	-	-	-
Public Works									
Transportation	196,133	-	196,133	-	112,693	83,440	-	-	-
Waste Management	990	-	990	-	-	990	-	-	-
Sub-total	197,123	-	197,123	-	112,693	84,430	-	-	-
Halton Regional Police Service	4,990	-	4,990	133	345	4,512	-	-	-
TOTAL 2027	226,103	-	226,103	379	117,990	107,734	-	-	-



CAPITAL BUDGET
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	GROSS COST	SUBSIDY/ RECOVERY	NET REGIONAL RESPONS	DEVELOPMENT CHARGES		GENERAL RESERVES & OTHER	CAPITAL INVEST. RESERVE	DEBENTURES	
				NON-RESIDENTIAL	RESIDENTIAL			GROWTH	REGIONAL
TOTAL Finance									
Financial Planning & Budgets	4,778	-	4,778	1,322	3,308	148	-	-	-
Information Technology	44,672	-	44,672	-	-	44,672	-	-	-
Sub-total	49,450	-	49,450	1,322	3,308	44,820	-	-	-
Health									
Paramedic Services	30,287	-	30,287	592	2,987	26,708	-	-	-
Health -Other	2,125	-	2,125	-	-	2,125	-	-	-
Sub-total	32,412	-	32,412	592	2,987	28,833	-	-	-
Legislative & Planning Services									
Planning	174,231	-	174,231	1,590	43,856	128,785	-	-	-
Asset Management	78,092	-	78,092	-	-	78,092	-	-	-
Sub-total	252,323	-	252,323	1,590	43,856	206,877	-	-	-
Social & Community Services									
Childrens Services	500	-	500	-	-	500	-	-	-
Services for Seniors	6,500	-	6,500	-	-	6,500	-	-	-
Sub-total	7,000	-	7,000	-	-	7,000	-	-	-
Public Works									
Transportation	1,605,987	-	1,605,987	-	828,418	777,569	-	-	-
Waste Management	40,865	-	40,865	33	636	40,196	-	-	-
Sub-total	1,646,852	-	1,646,852	33	829,054	817,765	-	-	-
Halton Regional Police Service	72,334	-	72,334	2,162	5,250	56,176	-	8,747	-
TOTAL 2018-2027	2,060,371	-	2,060,371	5,699	884,455	1,161,470	-	8,747	-

Note: Schedule may not add due to rounding. Does not include impacts from Strategic Investment Forms.

HALTON REGION

Budget and Business Plan 2018

Transportation

CAPITAL BUDGET

2018

TRANSPORTATION-CAPITAL

BUDGET & BUSINESS PLAN

2018 TRANSPORTATION SYSTEM PROJECT LISTING 2018 (000 DOLLARS)										
PROJECT NUMBER	UNIQUE ID	PROJECT DESCRIPTION	GROSS COST	SUBY/ RECOV	REGIONAL RESPONSIBILITY					
					DEVEL. CHGS.		GEN RESERV	CAP INVT RESERV	DEBENTURES	
					NON-RES	RES			GROWTH	REGIONAL
Expansion Activities										
PR-2079D	3981	Trafalgar Road - Widening from 4 to 6 lanes from Dundas Street to Highway 407 (OAK) (Regional Rd 3)	7,750			3,968	3,782			
PR-2961	6985	Trafalgar Road - Widening from 2 to 4 lanes from Steeles Avenue to 10 Side Road (HHS) (Regional Road 3)	27,557			13,580	13,977			
	5839	James Snow Parkway - Widening from 4 to 6 lanes from Highway 401 to Britannia Road (MIL) (Regional Road 4)	825			502	323			
PR-2672B	3982	Dundas St - Widening from 4 to 6-Lanes (excluding CNR & Bronte Creek Bridges) from Appleby Line to Tremaine Rd (BUR) (Regional Rd 5)	4,040			2,223	1,817			
PR-2671B	3983	Dundas Street - Widening from 4 to 6 lanes from Tremaine Road to Bronte Road (OAK) (Regional Rd 5)	3,254			1,645	1,609			
PR-2550	5180	Dundas Street - Widening from 4 to 6 lanes from North Hampton to Appleby Line (BUR) (Regional Road 5)	3,674			1,787	1,887			
	6802	Britannia Road - Widening from 4 to 6 lanes from Regional Road 25 to Highway 407 (MIL) (Regional Road 6)	28,881			14,232	14,649			
	7334	Britannia Road (CONSTRUCTION ONLY) - Widening from 2 to 4 lanes from James Snow Parkway to Trafalgar Road (MIL) Regional Road 6	28,493			15,318	13,175			
	7335	Britannia Road (CONSTRUCTION ONLY) - Widening from 2 to 4 lanes from Trafalgar Road to Highway 407 (MIL) Regional Road 6	11,402			5,619	5,783			
PR-2876B	7336	Ninth Line - Widening from 2 to 4 lanes from Steeles Avenue to 10 Side Road (HHS) Regional Road 13	3,400			1,458	1,942			
PR-2959	6448	Winston Churchill Boulevard - Widening from 4 to 6 lanes from Highway 401 to Steeles Avenue (Halton's Share) (HHS) (Regional Road 19)	1,064			572	492			



CAPITAL BUDGET

2018

TRANSPORTATION-CAPITAL

BUDGET & BUSINESS PLAN

2018 TRANSPORTATION SYSTEM PROJECT LISTING 2018 (000 DOLLARS)										
PROJECT NUMBER	UNIQUE ID	PROJECT DESCRIPTION	GROSS COST	SUBY/ RECOV	REGIONAL RESPONSIBILITY					
					DEVEL. CHGS.		GEN RESERV	CAP INVT RESERV	DEBENTURES	
					NON-RES	RES			GROWTH	REGIONAL
	6818	Bronte Road - Widening from 4 to 6 lanes from Speers Road to Highway 407 (OAK) (Regional Road 25)	825			475	350			
	7460	William Halton Parkway (CONSTRUCTION ONLY) - New 4 lane road from Sixth Line to Neyagawa Boulevard (OAK) Regional Road 40	12,204			7,811	4,393			
	7489	William Halton Parkway (CONSTRUCTION ONLY) - 2 to 4 lanes from Old Bronte Road to Hospital Gate (OAK) Regional Road 40	2,543			1,628	915			
	7490	William Halton Parkway (CONSTRUCTION ONLY) - New 4 lane road from Third Line to Sixteen Mile Creek (OAK) Regional Road 40	13,500			8,640	4,860			
	7375	Active Transportation Infill Projects (Region-wide) (REG)	2,730			874	1,856			
	7493	Active Transportation New Off-Road Capital Projects (Region-wide) (REG)	2,322			1,338	984			
		Sub-total	154,464			81,670	72,794			
<u>Maintenance Activities</u>										
PR-2280	5173	Miscellaneous Bridges and Culverts Rehabilitation & Replacement Program (Region-wide) (REG)	3,376				3,376			
PR-2662	6106	Retaining Wall Rehabilitation & Replacement Program - Various Locations (Region-wide) (REG)	339				339			
PR-2073	4743	Retrofit Noise Attenuation Barriers - Various Locations (Region-wide) (REG)	700				700			
PR-2389	5641	Traffic Signal Controller, timer and signing upgrades - Various Intersections (Region-wide) (REG)	780			250	530			
PR-2890	6856	Traffic Signal Interconnect (Region-wide) (REG)	157				157			



CAPITAL BUDGET

2018

TRANSPORTATION-CAPITAL

BUDGET & BUSINESS PLAN

2018 TRANSPORTATION SYSTEM PROJECT LISTING 2018 (000 DOLLARS)										
PROJECT NUMBER	UNIQUE ID	PROJECT DESCRIPTION	GROSS COST	SUBY/ RECOV	REGIONAL RESPONSIBILITY					
					DEVEL. CHGS.		GEN RESERV	CAP INVT RESERV	DEBENTURES	
					NON-RES	RES			GROWTH	REGIONAL
	7377	Intelligent Transportation System Implementation (Region-wide) (REG)	500			160	340			
PR-2515	5746	LED Street Light Replacement Program (Region-wide) (REG)	1,751				1,751			
PR-2891	6857	Operational Improvements (Region-wide) (REG)	523				523			
PR-2416	5642	Bridge Inspections & Evaluation Studies (Region-wide) (REG)	127				127			
		Sub-total	8,253			410	7,843			
Non-Infrastructure Solutions										
PR-2875	6831	Active Transportation Master Plan (Region-wide) (REG)	203			130	73			
	7567	Miscellaneous R.O.W. Purchases and Road Dedication Engineering & Surveys (Region-wide) (REG)	209				209			
PR-2192	5017	Transportation Infrastructure Management System (Region-wide) (REG)	60				60			
PR-2258	5196	Smart Commute Travel Demand Management Initiative (Region-wide) (REG)	356			114	242			
PR-2319	5425	Speed Reduction Education & Enforcement Campaign (Region-wide) (REG)	52				52			
PR-2315	5431	Traffic and Screen Line Counts & Studies (Region-wide) (REG)	157			50	107			
PR-2316	5432	Road Needs Study Update (Region-wide) (REG)	50				50			
PR-2414	5444	Transportation Master Plan Study (Region-wide) (REG)	1,046			669	377			
PR-2415	5643	Traffic Operations & Safety Related Studies (Region-wide) (REG)	168				168			



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2018 TRANSPORTATION SYSTEM PROJECT LISTING 2018 (000 DOLLARS)										
PROJECT NUMBER	UNIQUE ID	PROJECT DESCRIPTION	GROSS COST	SUBY/ RECOV	REGIONAL RESPONSIBILITY					
					DEVEL. CHGS.		GEN RESERV	CAP INVT RESERV	DEBENTURES	
					NON-RES	RES			GROWTH	REGIONAL
PR-2877	6832	Data Management Group (Region-wide) (REG)	157			100	57			
PR-2874	6838	Growth Management Studies (Region-wide) (REG)	523			335	188			
PR-2878	6858	Cordon Count Data (Region-wide) (REG)	52			33	19			
	7568	MTO Highway Studies (Region-wide) (REG)	131			84	47			
	7569	Urban Design Guidelines (Region-wide) (REG)	157			100	57			
	7672	Replacement Noise Attenuation Studies (REG) (Region-wide)	100				100			
	7675	Storm Sewer Inspections, Studies, and Needs Assessments (REG) (Region-wide)	250				250			
		Sub-total	3,671			1,615	2,056			
		Renewal/Rehabilitation Activities								
PR-2314	5426	Active Transportation Initiatives (Region-wide) (REG)	51			16	35			
PR-2888	6854	New Traffic Signals - Development (Region-wide) (REG)	1,719			1,100	619			
PR-3035	7142	Miscellaneous Works Related to Road Resurfacing (Region-wide) (REG)	898				898			
		Sub-total	2,668			1,116	1,552			
		Replacement Activities								



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2018 TRANSPORTATION SYSTEM PROJECT LISTING 2018 (000 DOLLARS)										
PROJECT NUMBER	UNIQUE ID	PROJECT DESCRIPTION	GROSS COST	SUBY/ RECOV	REGIONAL RESPONSIBILITY					
					DEVEL. CHGS.		GEN RESERV	CAP INVT RESERV	DEBENTURES	
					NON-RES	RES			GROWTH	REGIONAL
PR-2829	6445	Guelph Line at Harvester Road (Intersection Improvements) (BUR) (Regional Road 1)	5,212			1,668	3,544			
PR-3198	7438	Guelph Line & 1 Side Road - Intersection Improvements (BUR) (Regional Road 1)	374			120	254			
	7488	Guelph Line (CONSTRUCTION ONLY) Reconstruction, 1km north of Derry Road to Conservation Road (MIL) Regional Road 1	1,980				1,980			
	5376	Trafalgar Rd - Grade Separation at Metrolinx Crossing south of Hwy 7 (HHS) (Regional Road 3)	750			408	342			
PR-2672B	5384	Dundas Street - Grade Separation at CNR Crossing between Appleby Line and Tremaine Road (BUR) (Regional Road 5)	1,800			1,152	648			
PR-3145	5181	Steeles Avenue - Grade Separation at CN crossing west of Bronte Street (MIL) (Regional Road 8)	11,273			7,215	4,058			
	7459	10 Side Road (CONSTRUCTION ONLY) - 2 Lane Reconstruction/Realignment to intersection at Winston Churchill Blvd. (HHS) Regional Road 10	4,068				4,068			
PR-2464	5312	Winston Churchill Blvd - 2 lane Reconstruction from Credit River Bridge to Old Pine Road (Halton's Share) (HHS) (Regional Road 19)	351				351			
PR-3192	7374	Winston Churchill Boulevard - Reconstruction from Terra Cotta to Balinafad Rd/32 Side Road (Halton's Share) (HHS) Regional Road 19	2,483				2,483			
	7492	Winston Churchill Boulevard - 2 lane Reconstruction from Old Pine Road to 17 Side Road (Halton's Share) (HHS) Regional Road 19	4,300				4,300			
	7668	Winston Churchill Boulevard Re-alignment and Reconstruction from About 500m South of King St. to King St. (HHS) (Regional Road 19)	850				850			
	7686	Tremaine Road Reconstruction from Railway Crossing to South of Highway 401 Bridge (MIL) (Regional Road 22)	2,420				2,420			



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2018 TRANSPORTATION SYSTEM PROJECT LISTING 2018 (000 DOLLARS)										
PROJECT NUMBER	UNIQUE ID	PROJECT DESCRIPTION	GROSS COST	SUBY/ RECOV	REGIONAL RESPONSIBILITY					
					DEVEL. CHGS.		GEN RESERV	CAP INVT RESERV	DEBENTURES	
					NON-RES	RES			GROWTH	REGIONAL
	7674	Replacement Noise Attenuation Barriers (REG) (Region-wide)	2,042				2,042			
PR-30002	6885	Vehicle Replacements - Transportation (Region-wide) (REG)	80				80			
		Sub-total	37,983			10,563	27,420			
		Total	207,039			95,374	111,665			
		Summary								
		Expansion Activities	154,464		81,670	72,794				
		Maintenance Activities	8,253		410	7,843				
		Non-Infrastructure Solutions	3,671		1,615	2,056				
		Renewal/Rehabilitation Activities	2,668		1,116	1,552				
		Replacement Activities	37,983		10,563	27,420				
		Grand Total	207,039		95,374	111,665				



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2018-2027 TRANSPORTATION FORECAST													
PROJECT FORECAST LISTING 2018 (000 DOLLARS)													
PR NO	UNIQ ID#	PROJECT DESCRIPTION	GROSS COST	GROSS EXPENDITURE BY YEAR									
				2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
Expansion Activities													
PR-2322A	2659	Guelph Line - Widening from 4 to 6 lanes from Mainway to Upper Middle Road (BUR) (Reg. Rd. 1)	10,650								1,217	1,550	7,883
		EA											
		Design	1,217								1,217		
		Property	1,550									1,550	
		Utility Relocate	196										196
		Construction	7,687										7,687
	6805	Guelph Line - Widening from 4 to 6 lanes from Upper Middle Road to Dundas Street (Regional Road 1) (BUR)	825										825
		EA	825										825
		Design											
		Property											
		Utility Relocate											
		Construction											
PR-2079D	3981	Trafalgar Road - Widening from 4 to 6 lanes from Dundas Street to Highway 407 (OAK) (Regional Rd 3)	36,214	7,750	1,017	27,447							
		EA											
		Design	2,299	2,299									
		Property	5,451	5,451									
		Utility Relocate	1,017		1,017								
		Construction	27,447			27,447							
	6823	Trafalgar Road - Widening from 4 to 6 lanes from Highway 407 to Britannia Road (MIL) (Regional Road 3)	33,116					825		3,733	2,603	618	25,337
		EA	825					825					
		Design	3,733							3,733			
		Property	2,603								2,603		
		Utility Relocate	618									618	
		Construction	25,337										25,337



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2018-2027 TRANSPORTATION FORECAST														
PROJECT FORECAST LISTING 2018 (000 DOLLARS)														
PR NO	UNIQ ID#	PROJECT DESCRIPTION	GROSS COST	GROSS EXPENDITURE BY YEAR										
				2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	
	6827	Trafalgar Road - Widening from 4 to 6 lanes from Britannia Road to Steeles Avenue including Highway 401 Structure (MIL) (Regional Road 3)	19,620								825		7,029	11,766
		EA	825								825			
		Design	7,029										7,029	
		Property	11,766											11,766
		Utility Relocate												
		Construction												
PR-2960A	6984	Trafalgar Road - Widening from 2 to 4 lanes from 10 Side Road to Highway 7 (HHS) (Regional Road 3)	50,138		1,017	49,121								
		EA												
		Design												
		Property												
		Utility Relocate	1,017	1,017										
		Construction	49,121		49,121									
PR-2961A	6985	Trafalgar Road - Widening from 2 to 4 lanes from Steeles Avenue to 10 Side Road (HHS) (Regional Road 3)	27,557	27,557										
		EA												
		Design												
		Property												
		Utility Relocate	2,034	2,034										
		Construction	25,523	25,523										
	5839	James Snow Parkway - Widening from 4 to 6 lanes from Highway 401 to Britannia Road (MIL) (Regional Road 4)	38,523	825		4,330	3,604	887	28,877					
		EA	825	825										
		Design	4,330		4,330									
		Property	3,604			3,604								
		Utility Relocate	887				887							
		Construction	28,877						28,877					



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2018-2027 TRANSPORTATION FORECAST														
PROJECT FORECAST LISTING 2018 (000 DOLLARS)														
PR NO	UNIQ ID#	PROJECT DESCRIPTION	GROSS COST	GROSS EXPENDITURE BY YEAR										
				2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	
	6806	James Snow Parkway - New 6 lane road from Highway 407 to Britannia Road (MIL) (Regional Road 4)	4,638								1,100			3,538
		EA	1,100								1,100			
		Design	3,538											3,538
		Property												
		Utility Relocate												
		Construction												
	6807	James Snow Parkway - Widening from 4 to 6 lanes from Highway 401 to Tremaine Road (MIL) (Regional Road 4)	12,421							825		6,784	3,688	1,124
		EA	825							825				
		Design	6,784									6,784		
		Property	3,688										3,688	
		Utility Relocate	1,124											1,124
		Construction												
PR-2672B	3982	Dundas St - Widening from 4 to 6-Lanes (excluding CNR & Bronte Creek Bridges) from Appleby Line to Tremaine Rd (BUR) (Regional Rd 5)	25,697	4,040		21,657								
		EA												
		Design												
		Property	4,040	4,040										
		Utility Relocate												
		Construction	21,657			21,657								
PR-2671B	3983	Dundas Street - Widening from 4 to 6 lanes from Tremaine Road to Bronte Road (OAK) (Regional Rd 5)	26,983	3,254	23,729									
		EA												
		Design												
		Property	2,704	2,704										
		Utility Relocate	550	550										
		Construction	23,729		23,729									

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2018-2027 TRANSPORTATION FORECAST												
PROJECT FORECAST LISTING 2018 (000 DOLLARS)												
PR NO	UNIQ ID#	PROJECT DESCRIPTION	GROSS COST	GROSS EXPENDITURE BY YEAR								
				2018	2019	2020	2021	2022	2023	2024	2025	2026
	3984	Dundas Street - Widening from 4 to 6 lanes from Guelph Line to North Hampton (BUR) (Regional Road 5)	21,259		2,412	681	18,166					
		EA										
		Design										
		Property	2,412	2,412								
		Utility Relocate	681		681							
		Construction	18,166			18,166						
PR-2550A	5180	Dundas Street - Widening from 4 to 6 lanes from North Hampton to Appleby Line (BUR) (Regional Road 5)	19,132	3,674	15,458							
		EA										
		Design	2,204	2,204								
		Property	1,470	1,470								
		Utility Relocate										
		Construction	15,458	15,458								
PR-2672B	5385	Dundas Street - Bronte Creek Bridge between Appleby Line and Tremaine Road (BUR) (Regional Road 5)	48,600	48,600								
		EA										
		Design										
		Property										
		Utility Relocate										
		Construction	48,600	48,600								
	7487	Dundas Street - Widening from 4 to 6 lanes from Guelph Line to Halton/Hamilton Boundary, including improvements at Brant Street (BUR) Regional Road 5	28,847	988	3,884	834	23,141					
		EA										
		Design	988	988								
		Property	3,884		3,884							
		Utility Relocate	834			834						
		Construction	23,141				23,141					



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2018-2027 TRANSPORTATION FORECAST														
PROJECT FORECAST LISTING 2018 (000 DOLLARS)														
PR NO	UNIQ ID#	PROJECT DESCRIPTION	GROSS COST	GROSS EXPENDITURE BY YEAR										
				2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	
	6757	"5 1/2 Line" - New 6 lane road from Britannia Road to Steeles Avenue & Interchange at Highway 401 (MIL)	48,483							566		9,082		38,835
		EA	566							566				
		Design	9,082									9,082		
		Property	38,835											38,835
		Utility Relocate												
		Construction												
	6802	Britannia Road - Widening from 4 to 6 lanes from Regional Road 25 to Highway 407 (MIL) (Regional Road 6)	46,135	28,881	17,254									
		EA												
		Design												
		Property												
		Utility Relocate												
		Construction	46,135	28,881	17,254									
	7333	Britannia Road (CONSTRUCTION ONLY) - Widening from 2 to 4 lanes from Regional Road 25 to James Snow Parkway (MIL) Regional Road 6	31,566		31,566									
		EA												
		Design												
		Property												
		Utility Relocate												
		Construction	31,566		31,566									
	7334	Britannia Road (CONSTRUCTION ONLY) - Widening from 2 to 4 lanes from James Snow Parkway to Trafalgar Road (MIL) Regional Road 6	28,493	28,493										
		EA												
		Design												
		Property												
		Utility Relocate												
		Construction	28,493	28,493										



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2018-2027 TRANSPORTATION FORECAST													
PROJECT FORECAST LISTING 2018 (000 DOLLARS)													
PR NO	UNIQ ID#	PROJECT DESCRIPTION	GROSS COST	GROSS EXPENDITURE BY YEAR									
				2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
	7335	Britannia Road (CONSTRUCTION ONLY) - Widening from 2 to 4 lanes from Trafalgar Road to Highway 407 (MIL) Regional Road 6	11,402	11,402									
		EA											
		Design											
		Property											
		Utility Relocate											
		Construction	11,402	11,402									
	6804	Derry Road - Widening from 4 to 6 lanes from Tremaine Road to Highway 407 (MIL) (Regional Road 7)	825									825	
		EA	825									825	
		Design											
		Property											
		Utility Relocate											
		Construction											
	6819	Steeles Avenue - Widening from 2 to 4 lanes from Tremaine Road to Industrial Drive (MIL) (Regional Road 8)	15,564		1,498	3,325	226	10,515					
		EA											
		Design	1,498		1,498								
		Property	3,325			3,325							
		Utility Relocate	226				226						
		Construction	10,515					10,515					
	6821	Steeles Avenue - Widening from 4 to 6 lanes from Regional Road 25 to Trafalgar Road (MIL) (Regional Road 8)	62,278			825		6,561	8,476	46,416			
		EA	825			825							
		Design	6,561					6,561					
		Property	7,407						7,407				
		Utility Relocate	1,069						1,069				
		Construction	46,416							46,416			



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2018-2027 TRANSPORTATION FORECAST														
PROJECT FORECAST LISTING 2018 (000 DOLLARS)														
PR NO	UNIQU ID#	PROJECT DESCRIPTION	GROSS COST	GROSS EXPENDITURE BY YEAR										
				2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	
	6822	Steeles Avenue - Widening from 4 to 6 lanes (with RBL) from Trafalgar Road to Winston Churchill Boulevard (HHS) (Regional Road 8)	17,423							825		4,128	11,743	727
		EA	825							825				
		Design	4,128									4,128		
		Property	11,743										11,743	
		Utility Relocate	727											727
		Construction												
	6758	10 Side Road - Widening from 2 to 4 lanes from Trafalgar Road to Winston Churchill Boulevard (HHS) (Regional Road 10)	3,920									550		3,370
		EA	550									550		
		Design	3,370											3,370
		Property												
		Utility Relocate												
		Construction												
PR-3036A	6808	Ninth Line - Widening from 2 to 4 lanes from Burnhamthorpe Road to Highway 407 (OAK) (Regional Road 13)	14,517			1,550	2,038	160	10,769					
		EA												
		Design	1,550		1,550									
		Property	2,038				2,038							
		Utility Relocate	160					160						
		Construction	10,769						10,769					
PR-3037A	6809	Ninth Line - Widening from 2 to 4 lanes from Dundas Street to Burnhamthorpe Road (OAK) (Regional Road 13)	16,812				1,528	4,243		331	10,710			
		EA												
		Design	1,528				1,528							
		Property	4,243					4,243						
		Utility Relocate	331							331				
		Construction	10,710								10,710			



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2018-2027 TRANSPORTATION FORECAST													
PROJECT FORECAST LISTING 2018 (000 DOLLARS)													
PR NO	UNIQU ID#	PROJECT DESCRIPTION	GROSS COST	GROSS EXPENDITURE BY YEAR									
				2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
	7336	Ninth Line - Widening from 2 to 4 lanes from Steeles Avenue to 10 Side Road (HHS) Regional Road 13	32,891	3,400	4,302	25,189							
		EA											
		Design											
		Property	6,800	3,400	3,400								
		Utility Relocate	902	902									
		Construction	25,189			25,189							
	6824	Brant Street Widening from 4 to 6 lanes from North Service Road to Dundas Street (BUR) (Regional Road 18)	27,681						825		2,348	7,534	16,974
		EA	825						825				
		Design	2,348								2,348		
		Property	7,131									7,131	
		Utility Relocate	403									403	
		Construction	16,974										16,974
PR-2738A	3989	Winston Churchill Blvd - Widening from 2 to 4 lanes from 2km south of 5 Side Road to potential by-pass (Halton's Share) (HHS) (Regional Rd 19)	11,486			1,292	500	1,474	8,220				
		EA											
		Design	1,292			1,292							
		Property	500				500						
		Utility Relocate	1,474					1,474					
		Construction	8,220						8,220				
PR-2666A	5438	Winston Churchill Boulevard - Widening from 4 to 6 lanes from Dundas Street to Upper Middle Road/QEW (Halton's Share) (OAK) (Regional Road 19)	3,598					304			1,223		2,071
		EA	304					304					
		Design	1,223								1,223		
		Property	2,071										2,071
		Utility Relocate											
		Construction											



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2018-2027 TRANSPORTATION FORECAST PROJECT FORECAST LISTING 2018 (000 DOLLARS)													
PR NO	UNIQ ID#	PROJECT DESCRIPTION	GROSS COST	GROSS EXPENDITURE BY YEAR									
				2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
PR-2959A	6448	Winston Churchill Boulevard - Widening from 4 to 6 lanes from Highway 401 to Steeles Avenue (Halton's Share) (HHS) (Regional Road 19)	4,270	1,064	400	501	2,305						
		EA											
		Design	1,064	1,064									
		Property	400		400								
		Utility Relocate	501			501							
		Construction	2,305				2,305						
	6846	Winston Churchill Boulevard - Widening from 4 to 6 lanes 2km south of 5 Side Road to 5 Side Road (Halton's Share) (HHS) (Regional Road 19)	770									770	
		EA											
		Design	770									770	
		Property											
		Utility Relocate											
		Construction											
	6847	Winston Churchill Boulevard Widening 5-7 lanes from Steeles Avenue to 2 km South of 5 Side Road (Halton's Share) (HHS) (Regional Road 19)	686					249				437	
		EA	249					249					
		Design	437									437	
		Property											
		Utility Relocate											
		Construction											
PR-2921A	7494	Norval Bypass (HHS) Regional Road 19	23,520		1,523	4,258	17,739						
		EA											
		Design	1,523		1,523								
		Property	4,118			4,118							
		Utility Relocate	140			140							
		Construction	17,739				17,739						



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2018-2027 TRANSPORTATION FORECAST														
PROJECT FORECAST LISTING 2018 (000 DOLLARS)														
PR NO	UNIQ ID#	PROJECT DESCRIPTION	GROSS COST	GROSS EXPENDITURE BY YEAR										
				2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	
	6812	Appleby Line - Widening from 4 to 6 lanes from Fairview Street to Taywood Drive (BUR) (Regional Road 20)	8,701									5,576		3,125
		EA												
		Design	5,576									5,576		
		Property	3,125											3,125
		Utility Relocate												
		Construction												
	6803	Burloak Drive - Widening from 4 to 6 lanes from Harvester Road to Upper Middle Road (BUR) (Regional Road 21)	7,187									550	3,264	3,373
		EA	550									550		
		Design	3,264										3,264	
		Property	3,373											3,373
		Utility Relocate												
		Construction												
	6810	North Service Road - New 4 lanes from Burloak Drive to Bronte Road (OAK)	1,100										1,100	
		EA	1,100										1,100	
		Design												
		Property												
		Utility Relocate												
		Construction												
	5845	Tremaine Road - Widening from 4 to 6 lanes from Highway 401 to Derry Road (MIL) (Regional Road 22)	76,027			825		23,589			1,248	50,365		
		EA	825			825								
		Design	6,842					6,842						
		Property	16,747					16,747						
		Utility Relocate	1,248							1,248				
		Construction	50,365									50,365		



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2018-2027 TRANSPORTATION FORECAST													
PROJECT FORECAST LISTING 2018 (000 DOLLARS)													
PR NO	UNIQ ID#	PROJECT DESCRIPTION	GROSS COST	GROSS EXPENDITURE BY YEAR									
				2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
	6830	Tremaine Road - Widening from 2 to 4 lanes from Dundas Street to Lower Base Line (OAK) (Regional Road 22)	41,268		550		10,353		647	29,718			
		EA	550		550								
		Design	4,489				4,489						
		Property	5,864				5,864						
		Utility Relocate	647						647				
		Construction	29,718							29,718			
	6834	Tremaine Road - Widening from 2 to 4 lanes from Lower Base Line to Britannia Road (MIL) (Regional Road 22)	27,625			550		3,059	2,794	477	20,745		
		EA	550			550							
		Design	3,059					3,059					
		Property	2,794						2,794				
		Utility Relocate	477							477			
		Construction	20,745								20,745		
	6811	Regional Road 25 - Widening from 2 to 4 lanes from 5 Side Road to 10 Side Road (HHS) (Regional Road 25)	13,312		550		1,057	3,955	462	7,288			
		EA	550		550								
		Design	1,057				1,057						
		Property	3,955					3,955					
		Utility Relocate	462						462				
		Construction	7,288							7,288			
	6814	Regional Road 25 - Widening from 4 to 6 lanes from Highway 407 to Britannia Road (MIL) (Regional Road 25)	54,472			825		5,980	4,838		919	41,910	
		EA	825			825							
		Design	5,980					5,980					
		Property	4,838						4,838				
		Utility Relocate	919								919		
		Construction	41,910									41,910	



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2018-2027 TRANSPORTATION FORECAST													
PROJECT FORECAST LISTING 2018 (000 DOLLARS)													
PR NO	UNIQ ID#	PROJECT DESCRIPTION	GROSS COST	GROSS EXPENDITURE BY YEAR									
				2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
	6815	Regional Road 25 - Widening from 4 to 6 lanes from Britannia Road to Derry Road (MIL) (Regional Road 25)	24,011					825		2,430	2,978	474	17,304
		EA	825					825					
		Design	2,430							2,430			
		Property	2,978								2,978		
		Utility Relocate	474									474	
		Construction	17,304										17,304
	6817	Regional Road 25 - Widening from 4 to 6 lanes from Steeles Avenue to 5 Side Road (MIL) (Regional Road 25)	23,256		3,643	1,785	431	17,397					
		EA											
		Design	3,643		3,643								
		Property	1,785			1,785							
		Utility Relocate	431				431						
		Construction	17,397					17,397					
	6818	Bronte Road - Widening from 4 to 6 lanes from Speers Road to Highway 407 (OAK) (Regional Road 25)	66,143	825			7,166		6,945	1,035	50,172		
		EA	825	825									
		Design	7,166				7,166						
		Property	6,945						6,945				
		Utility Relocate	1,035							1,035			
		Construction	50,172								50,172		
	6825	Upper Middle Road - Widening from 4 to 6 lanes from Appleby Line to Burloak Drive (BUR) (Regional Road 38)	2,564								825		1,739
		EA	825								825		
		Design	1,739										1,739
		Property											
		Utility Relocate											
		Construction											



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2018-2027 TRANSPORTATION FORECAST													
PROJECT FORECAST LISTING 2018 (000 DOLLARS)													
PR NO	UNIQ ID#	PROJECT DESCRIPTION	GROSS COST	GROSS EXPENDITURE BY YEAR									
				2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
	6826	Upper Middle Road - Widening from 4 to 6 lanes from Trafalgar Road to Grand Boulevard (OAK) (Regional Road 38)	19,941					535	2,065	2,477	311	14,553	
		EA	535					535					
		Design	2,065						2,065				
		Property	2,477							2,477			
		Utility Relocate	311								311		
		Construction	14,553									14,553	
	6828	Upper Middle Road - Widening from 4 to 6 lanes from Bronte Road to Neyagawa Boulevard (OAK) (Regional Road 38)	43,416					825		4,416	6,045	810	31,320
		EA	825					825					
		Design	4,416							4,416			
		Property	6,045								6,045		
		Utility Relocate	810									810	
		Construction	31,320										31,320
	6829	Upper Middle Road - Widening from 4 to 6 lanes from Ninth Line to Winston Churchill Boulevard (OAK) (Regional Road 38)	5,157						825		2,579	1,359	394
		EA	825						825				
		Design	2,579								2,579		
		Property	1,359									1,359	-
		Utility Relocate	394										394
		Construction											
	7337	Upper Middle Road - Intersection Operational Improvements (OAK) Regional Road 38	5,345		5,345								
		EA											
		Design											
		Property											
		Utility Relocate											
		Construction	5,345		5,345								



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2018-2027 TRANSPORTATION FORECAST													
PROJECT FORECAST LISTING 2018 (000 DOLLARS)													
PR NO	UNIQ ID#	PROJECT DESCRIPTION	GROSS COST	GROSS EXPENDITURE BY YEAR									
				2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
	7338	Upper Middle Road - Widening from 4 to 6 lanes from Neyagawa Boulevard to Trafalgar Road (OAK) Regional Road 38	4,688					321		1,837		2,194	336
		EA	321					321					
		Design	1,837							1,837			
		Property	2,194									2,194	
		Utility Relocate	336										336
		Construction											
	7339	Upper Middle Road - Widening from 4 to 6 lanes from Grand Boulevard to Ninth Line (OAK) Regional Road 38	1,316					321		428		428	139
		EA	321					321					
		Design	428							428			
		Property	428									428	
		Utility Relocate	139										139
		Construction											
PR-2263F	5273	William Halton Parkway - New 4 lane road from Sixteen Mile Creek to Neyagawa Blvd. (OAK) (Regional Road 40)	13,318		13,318								
		EA											
		Design											
		Property											
		Utility Relocate											
		Construction	13,318		13,318								
PR-2263E	5413	William Halton Parkway - New 4 lane bridge over 16 Mile Creek to (Regional Road 40) (OAK)	45,000		45,000								
		EA											
		Design											
		Property											
		Utility Relocate											
		Construction	45,000		45,000								



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2018-2027 TRANSPORTATION FORECAST													
PROJECT FORECAST LISTING 2018 (000 DOLLARS)													
PR NO	UNIQ ID#	PROJECT DESCRIPTION	GROSS COST	GROSS EXPENDITURE BY YEAR									
				2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
PR-2263D	7460	William Halton Parkway (CONSTRUCTION ONLY) - New 4 lane road from Sixth Line to Neyagawa Boulevard (OAK) Regional Road 40	12,204	12,204									
		EA											
		Design											
		Property											
		Utility Relocate											
		Construction	12,204	12,204									
PR-2263C	7489	William Halton Parkway (CONSTRUCTION ONLY) - 2 to 4 lanes from Old Bronte Road to Hospital Gate (OAK) Regional Road 40	4,043	2,543	1,500								
		EA											
		Design											
		Property											
		Utility Relocate											
		Construction	4,043	2,543	1,500								
PR-2263G	7490	William Halton Parkway (CONSTRUCTION ONLY) - New 4 lane road from Third Line to Sixteen Mile Creek (OAK) Regional Road 40	13,500	13,500									
		EA											
		Design											
		Property	4,000	4,000									
		Utility Relocate											
		Construction	9,500	9,500									
	7375	Active Transportation Infill Projects (Region-wide) (REG)	6,146	2,730	1,374	942		877	223				
		Study	6,146	2,730	1,374	942		877	223				
		Design											
		Property											
		Utility Relocate											
		Construction											



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2018-2027 TRANSPORTATION FORECAST PROJECT FORECAST LISTING 2018 (000 DOLLARS)													
PR NO	UNIQ ID#	PROJECT DESCRIPTION	GROSS COST	GROSS EXPENDITURE BY YEAR									
				2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
	7493	Active Transportation New Off-Road Capital Projects (Region-wide) (REG)	22,599	2,322	1,438	3,794	242	1,928	1,729	3,415	4,421	899	2,411
		EA											
		Design											
		Property											
		Utility Relocate											
		Construction	22,599	2,322	1,438	3,794	242	1,928	1,729	3,415	4,421	899	2,411
	7398	New Vehicle - Road Operations (Region-wide) (REG)	80							80			
		EA											
		Design											
		Property											
		Utility Relocate											
		Construction	80							80			
		Sub-Total	1,348,959	154,464	222,482	152,781	66,189	107,971	79,911	107,254	185,338	99,978	172,591
Maintenance Activities													
PR-2280A	5173	Miscellaneous Bridges and Culverts Rehabilitation & Replacement Program (Region-wide) (REG)	6,972	3,376	261	250	373	1,462	250	250	250	250	250
		EA											
		Design											
		Property											
		Utility Relocate											
		Construction	6,972	3,376	261	250	373	1,462	250	250	250	250	250
PR-2662A	6106	Retaining Wall Rehabilitation & Replacement Program - Various Locations (Region-wide) (REG)	1,589	339	90	50	106	50	50	401	50	50	403
		EA											
		Design											
		Property											
		Utility Relocate											
		Construction	1,589	339	90	50	106	50	50	401	50	50	403



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2018-2027 TRANSPORTATION FORECAST PROJECT FORECAST LISTING 2018 (000 DOLLARS)													
PR NO	UNIQ ID#	PROJECT DESCRIPTION	GROSS COST	GROSS EXPENDITURE BY YEAR									
				2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
PR-2073A	4743	Retrofit Noise Attenuation Barriers - Various Locations (Region-wide) (REG)	1,600	700	100	100	100	100	100	100	100	100	100
		EA											
		Design											
		Property											
		Utility Relocate											
		Construction	1,600	700	100	100	100	100	100	100	100	100	100
	7377	Intelligent Transportation System Implementation (Region-wide) (REG)	500	500									
		EA											
		Design											
		Property											
		Utility Relocate											
		Construction	500	500									
PR-2389A	5641	Traffic Signal Controller, timer and signing upgrades - Various Intersections (Region-wide) (REG)	7,647	780	780	780	780	780	780	780	780	780	627
		EA											
		Design											
		Property											
		Utility Relocate											
		Construction	7,647	780	780	780	780	780	780	780	780	780	627
PR-2890A	6856	Traffic Signal Interconnect (Region-wide) (REG)	1,570	157	157	157	157	157	157	157	157	157	157
		EA											
		Design											
		Property											
		Utility Relocate											
		Construction	1,570	157	157	157	157	157	157	157	157	157	157



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2018-2027 TRANSPORTATION FORECAST PROJECT FORECAST LISTING 2018 (000 DOLLARS)													
PR NO	UNIQU ID#	PROJECT DESCRIPTION	GROSS COST	GROSS EXPENDITURE BY YEAR									
				2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
PR-2043A	4370	Emergency Diversion Route Signing for Road Closure Action Plan (Region-wide) (REG)	418		261	157							
		EA											
		Design											
		Property											
		Utility Relocate											
		Construction	418		261	157							
PR-2515A	5746	LED Street Light Replacement Program (Region-wide) (REG)	2,930	1,751	131	131	131	131	131	131	131	131	131
		EA											
		Design											
		Property											
		Utility Relocate											
		Construction	2,930	1,751	131	131	131	131	131	131	131	131	131
PR-2887A	6853	Centre-median Landscaping Improvements (Region-wide) (REG)	572		156		104	52	52	52	52	52	52
		EA											
		Design											
		Property											
		Utility Relocate											
		Construction	572		156		104	52	52	52	52	52	52
PR-2891A	6857	Operational Improvements (Region-wide) (REG)	5,230	523	523	523	523	523	523	523	523	523	523
		EA											
		Design											
		Property											
		Utility Relocate											
		Construction	5,230	523	523	523	523	523	523	523	523	523	523



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2018-2027 TRANSPORTATION FORECAST PROJECT FORECAST LISTING 2018 (000 DOLLARS)													
PR NO	UNIQ ID#	PROJECT DESCRIPTION	GROSS COST	GROSS EXPENDITURE BY YEAR									
				2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
	7666	Storm Pump Stations (REG) (Region-Wide)	3,967					485	840	840	840	481	481
		EA											
		Design											
		Property											
		Utility Relocate											
		Construction	3,967					485	840	840	840	481	481
PR-2416A	5642	Bridge Inspections & Evaluation Studies (Region-wide) (REG)	951	127	50	132	50	142	50	147	50	153	50
		Study	951	127	50	132	50	142	50	147	50	153	50
		Design											
		Property											
		Utility Relocate											
		Construction											
		Sub-Total	33,946	8,253	2,509	2,280	2,324	3,882	2,933	3,381	2,933	2,677	2,774
Non-Infrastructure Solutions													
PR-2875A	6831	Active Transportation Master Plan (Region-wide) (REG)	575	203					372				
		EA	575	203					372				
		Design											
		Property											
		Utility Relocate											
		Construction											
PR-1322A	7567	Miscellaneous R.O.W. Purchases and Road Dedication Engineering & Surveys (Region-wide) (REG)	2,090	209	209	209	209	209	209	209	209	209	209
		Study	100	10	10	10	10	10	10	10	10	10	10
		Design											
		Property	1,990	199	199	199	199	199	199	199	199	199	199
		Utility Relocate											
		Construction											



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2018-2027 TRANSPORTATION FORECAST PROJECT FORECAST LISTING 2018 (000 DOLLARS)													
PR NO	UNIQ ID#	PROJECT DESCRIPTION	GROSS COST	GROSS EXPENDITURE BY YEAR									
				2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
PR-2192A	5017	Transportation Infrastructure Management System (Region-wide) (REG)	600	60	60	60	60	60	60	60	60	60	60
		Study	600	60	60	60	60	60	60	60	60	60	60
		Design											
		Property											
		Utility Relocate											
		Construction											
PR-2258A	5196	Smart Commute Travel Demand Management Initiative (Region-wide) (REG)	3,560	356	356	356	356	356	356	356	356	356	356
		Study	3,560	356	356	356	356	356	356	356	356	356	356
		Design											
		Property											
		Utility Relocate											
		Construction											
PR-2319A	5425	Speed Reduction Education & Enforcement Campaign (Region-wide) (REG)	520	52	52	52	52	52	52	52	52	52	52
		Study	520	52	52	52	52	52	52	52	52	52	52
		Design											
		Property											
		Utility Relocate											
		Construction											
PR-2315A	5431	Traffic and Screen Line Counts & Studies (Region-wide) (REG)	1,778	157	157	157	261	157	157	157	157	261	157
		Study	1,778	157	157	157	261	157	157	157	157	261	157
		Design											
		Property											
		Utility Relocate											
		Construction											



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2018-2027 TRANSPORTATION FORECAST PROJECT FORECAST LISTING 2018 (000 DOLLARS)													
PR NO	UNIQ ID#	PROJECT DESCRIPTION	GROSS COST	GROSS EXPENDITURE BY YEAR									
				2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
PR-2316A	5432	Road Needs Study Update (Region-wide) (REG)	500	50	50	50	50	50	50	50	50	50	50
		Study	500	50	50	50	50	50	50	50	50	50	50
		Design											
		Property											
		Utility Relocate											
		Construction											
PR-2414A	5444	Transportation Master Plan Study (Region-wide) (REG)	2,092	1,046					1,046				
		Study	2,092	1,046					1,046				
		Design											
		Property											
		Utility Relocate											
		Construction											
PR-2415A	5643	Traffic Operations & Safety Related Studies (Region-wide) (REG)	1,680	168	168	168	168	168	168	168	168	168	168
		Study	1,680	168	168	168	168	168	168	168	168	168	168
		Design											
		Property											
		Utility Relocate											
		Construction											
PR-2526A	5644	Region-wide Traffic Operations Study Update (REG)	1,246					523					723
		Study	1,246					523					723
		Design											
		Property											
		Utility Relocate											
		Construction											
PR2877A	6832	Data Management Group (Region-wide) (REG)	1,570	157	157	157	157	157	157	157	157	157	157
		EA	1,570	157	157	157	157	157	157	157	157	157	157
		Design											
		Property											
		Utility Relocate											
		Construction											



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2018-2027 TRANSPORTATION FORECAST PROJECT FORECAST LISTING 2018 (000 DOLLARS)													
PR NO	UNIQ ID#	PROJECT DESCRIPTION	GROSS COST	GROSS EXPENDITURE BY YEAR									
				2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
PR-3070A	6833	Transportation Tomorrow Survey (Region-wide) (REG)	210				105						105
		EA	210				105						105
		Design											
		Property											
		Utility Relocate											
		Construction											
	6836	Regional Road 25/Third Line Alignment Options Study (MIL)	523			523							
		EA	523			523							
		Design											
		Property											
		Utility Relocate											
		Construction											
	6837	Development Charge Background Study (Region-wide) (REG)	942				471						471
		EA	942				471						471
		Design											
		Property											
		Utility Relocate											
		Construction											
PR-2874A	6838	Growth Management Studies (Region-wide) (REG)	5,230	523	523	523	523	523	523	523	523	523	523
		EA	5,230	523	523	523	523	523	523	523	523	523	523
		Design											
		Property											
		Utility Relocate											
		Construction											
PR-2878A	6858	Cordon Count Data (Region-wide) (REG)	626	52	52	52	105	52	52	52	52	105	52
		EA	626	52	52	52	105	52	52	52	52	105	52
		Design											
		Property											
		Utility Relocate											
		Construction											



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2018-2027 TRANSPORTATION FORECAST PROJECT FORECAST LISTING 2018 (000 DOLLARS)													
PR NO	UNIQ ID#	PROJECT DESCRIPTION	GROSS COST	GROSS EXPENDITURE BY YEAR									
				2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
PR-2262A	7568	MTO Highway Studies (Region-wide) (REG)	1,310	131	131	131	131	131	131	131	131	131	131
		Study	1,310	131	131	131	131	131	131	131	131	131	131
		Design											
		Property											
		Utility Relocate											
		Construction											
	7569	Urban Design Guidelines (Region-wide) (REG)	314	157					157				
		EA	314	157					157				
		Design											
		Property											
		Utility Relocate											
		Construction											
	7672	Replacement Noise Attenuation Studies (REG) (Region-wide)	500	100		100		100		100		100	
		Study	500	100		100		100		100		100	
		Design											
		Property											
		Utility Relocate											
		Construction											
	7675	Storm Sewer Inspections, Studies, and Needs Assessments (REG) (Region-wide)	450	250	100	100							
		Study	450	250	100	100							
		Design											
		Property											
		Utility Relocate											
		Construction											
		Sub-Total	26,316	3,671	2,015	2,638	2,648	2,538	3,490	2,015	1,915	2,748	2,638



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2018-2027 TRANSPORTATION FORECAST PROJECT FORECAST LISTING 2018 (000 DOLLARS)													
PR NO	UNIQU ID#	PROJECT DESCRIPTION	GROSS COST	GROSS EXPENDITURE BY YEAR									
				2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
Renewal/Rehabilitation Activities													
PR-2314A	5426	Active Transportation Initiatives (Region-wide) (REG)	834	51	51	51	51	105	105	105	105	105	105
		Study	834	51	51	51	51	105	105	105	105	105	105
		Design											
		Property											
		Utility Relocate											
		Construction											
PR-2888A	6854	New Traffic Signals - Development (Region-wide) (REG)	17,190	1,719	1,719	1,719	1,719	1,719	1,719	1,719	1,719	1,719	1,719
		EA											
		Design											
		Property											
		Utility Relocate											
		Construction	17,190	1,719	1,719	1,719	1,719	1,719	1,719	1,719	1,719	1,719	1,719
PR-2889A	6855	New Signalized Intersections (Region-wide) (REG)	7,036			128	1,256	628	1,256	628	1,256	628	1,256
		EA											
		Design											
		Property											
		Utility Relocate											
		Construction	7,036			128	1,256	628	1,256	628	1,256	628	1,256
PR-3035A	7142	Miscellaneous Works Related to Road Resurfacing (Region-wide) (REG)	7,383	898	838	798	830	826	767	573	386	700	767
		EA											
		Design											
		Property											
		Utility Relocate											
		Construction	7,383	898	838	798	830	826	767	573	386	700	767
		Sub-Total	32,443	2,668	2,608	2,696	3,856	3,278	3,847	3,025	3,466	3,152	3,847



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PROJECT FORECAST LISTING 2018 (000 DOLLARS)													
PR NO	UNIQ ID#	PROJECT DESCRIPTION	GROSS COST	GROSS EXPENDITURE BY YEAR									
				2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
Replacement Activities													
PR-2829A	6445	Guelph Line at Harvester Road (Intersection Improvements) (BUR) (Regional Road 1)	5,212	5,212									
		EA											
		Design											
		Property											
		Utility Relocate											
		Construction	5,212	5,212									
	7438	Guelph Line & 1 Side Road - Intersection Improvements (BUR) (Regional Road 1)	2,512	374	2,138								
		EA											
		Design											
		Property	214	214									
		Utility Relocate	160	160									
		Construction	2,138		2,138								
PR-2596B	7488	Guelph Line (CONSTRUCTION ONLY) Reconstruction, 1km north of Derry Road to Conservation Road (MIL) Regional Road 1	1,980	1,980									
		EA											
		Design											
		Property											
		Utility Relocate											
		Construction	1,980	1,980									
	7676	Guelph Line Reconstruction from Colling Road to Britannia Road (BUR) (Regional Road 1)	2,318		2,318								
		EA											
		Design											
		Property											
		Utility Relocate											
		Construction	2,318		2,318								



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2018-2027 TRANSPORTATION FORECAST													
PROJECT FORECAST LISTING 2018 (000 DOLLARS)													
PR NO	UNIQ ID#	PROJECT DESCRIPTION	GROSS COST	GROSS EXPENDITURE BY YEAR									
				2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
	7677	Guelph Line Reconstruction from No. 20 Side Road to No. 25 Side Road (MIL) (Regional Road 1)	3,836			3,836							
		EA											
		Design											
		Property											
		Utility Relocate											
		Construction	3,836			3,836							
	7678	Guelph Line Reconstruction from No. 25 Side Road to No. 30 Side Road (MIL) (Regional Road 1)	3,839			3,839							
		EA											
		Design											
		Property											
		Utility Relocate											
		Construction	3,839			3,839							
	7679	Guelph Line Reconstruction from No. 30 Side Road to No. 32 Side Road (MIL) (Regional Road 1)	1,433			1,433							
		EA											
		Design											
		Property											
		Utility Relocate											
		Construction	1,433			1,433							
	3991	Trafalgar Rd - Grade Separation at CN Crossing north of Maple Ave (HHS) (Regional Road 3)	27,129			305	26,824						
		EA											
		Design											
		Property											
		Utility Relocate	305			305							
		Construction	26,824				26,824						



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2018-2027 TRANSPORTATION FORECAST													
PROJECT FORECAST LISTING 2018 (000 DOLLARS)													
PR NO	UNIQ ID#	PROJECT DESCRIPTION	GROSS COST	GROSS EXPENDITURE BY YEAR									
				2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
	5376	Trafalgar Rd - Grade Separation at Metrolinx Crossing south of Hwy 7 (HHS) (Regional Road 3)	18,141	750		305	17,086						
		EA											
		Design	750	750									
		Property											
		Utility Relocate	305		305								
		Construction	17,086			17,086							
PR-2672B	5384	Dundas Street - Grade Separation at CNR Crossing between Appleby Line and Tremaine Road (BUR) (Regional Road 5)	19,068	1,800	17,268								
		EA											
		Design											
		Property											
		Utility Relocate	1,800	1,800									
		Construction	17,268		17,268								
	7486	Derry Road - Reconstruction from Milborough Line to McNiven Road (MIL) Regional Road 7	3,636						585		3,051		
		EA											
		Design	585					585					
		Property											
		Utility Relocate											
		Construction	3,051								3,051		
	7739	Derry Road Reconstruction from Guelph Line to Walkers Line, and Derry Road Reconstruction from Appleby Line to Tremaine Road (MIL)	5,131										5,131
		EA											
		Design											
		Property											
		Utility Relocate											
		Construction	5,131										5,131



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2018-2027 TRANSPORTATION FORECAST													
PROJECT FORECAST LISTING 2018 (000 DOLLARS)													
PR NO	UNIQ ID#	PROJECT DESCRIPTION	GROSS COST	GROSS EXPENDITURE BY YEAR									
				2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
	5181	Steeles Avenue - Grade Separation at CN crossing west of Bronte Street (MIL) (Regional Road 8)	11,273	11,273									
		EA											
		Design											
		Property											
		Utility Relocate											
		Construction	11,273	11,273									
	7740	Campbellville Road Reconstruction from Milborough Line to Campbell Avenue (MIL)	4,080										4,080
		EA											
		Design											
		Property											
		Utility Relocate											
		Construction	4,080										4,080
	7459	10 Side Road (CONSTRUCTION ONLY) - 2 Lane Reconstruction/Realignment to intersection at Winston Churchill Blvd. (HHS) Regional Road 10	4,068	4,068									
		EA											
		Design											
		Property											
		Utility Relocate											
		Construction	4,068	4,068									
	7681	Ninth Line (South Leg) Reconstruction from Halton Region Boundary to Steeles Avenue (HHS) (Regional Road 13)	921							921			
		EA											
		Design											
		Property											
		Utility Relocate											
		Construction	921							921			



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2018-2027 TRANSPORTATION FORECAST													
PROJECT FORECAST LISTING 2018 (000 DOLLARS)													
PR NO	UNIQ ID#	PROJECT DESCRIPTION	GROSS COST	GROSS EXPENDITURE BY YEAR									
				2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
	7683	Brant Street Reconstruction from Fairview Street to QEW (BUR) (Regional Road 18)	3,805										3,805
		EA											
		Design											
		Property											
		Utility Relocate											
		Construction	3,805										3,805
PR-2464A	5312	Winston Churchill Blvd - 2 lane Reconstruction from Credit River Bridge to Old Pine Road (Halton's Share) (HHS) (Regional Road 19)	3,025	351	500	1,000	1,174						
		EA											
		Design	351	351									
		Property	500		500								
		Utility Relocate	1,000			1,000							
		Construction	1,174				1,174						
	7374	Winston Churchill Boulevard - Reconstruction from Terra Cotta to Balinafad Rd/32 Side Road (Halton's Share) (HHS) Regional Road 19	2,483	2,483									
		EA											
		Design											
		Property											
		Utility Relocate											
		Construction	2,483	2,483									
PR-2144B	7491	Winston Churchill Boulevard - 2 lane Reconstruction from 5 Side Road to 10 Side Road (Halton's Share) (HHS) Regional Road 19	6,510		762	1,000	500	4,248					
		EA											
		Design	762		762								
		Property	1,000			1,000							
		Utility Relocate	500				500						
		Construction	4,248					4,248					



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2018-2027 TRANSPORTATION FORECAST													
PROJECT FORECAST LISTING 2018 (000 DOLLARS)													
PR NO	UNIQ ID#	PROJECT DESCRIPTION	GROSS COST	GROSS EXPENDITURE BY YEAR									
				2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
PR-2236A	7492	Winston Churchill Boulevard - 2 lane Reconstruction from Old Pine Road to 17 Side Road (Halton's Share) (HHS) Regional Road 19	7,499	4,300	1,000	500	1,699						
		EA											
		Design	4,300	4,300									
		Property	1,000		1,000								
		Utility Relocate	500			500							
		Construction	1,699				1,699						
	7668	Winston Churchill Boulevard Re-alignment and Reconstruction from About 500m South of King St. to King St. (HHS) (Regional Road 19)	850	850									
		EA											
		Design											
		Property											
		Utility Relocate											
		Construction	850	850									
PR-2867C	7689	Appleby Line at Harvester Road (Intersection Improvements) (BUR) (Regional Road 20)	6,767								2,992	3,775	
		EA											
		Design	2,992								2,992		
		Property											
		Utility Relocate											
		Construction	3,775									3,775	
	7485	Burloak Drive - (CONSTRUCTION ONLY) 4 lane urbanization from north of QEW to Upper Middle Road (BUR) Regional Road 21	4,384								4,384		
		EA											
		Design											
		Property											
		Utility Relocate											
		Construction	4,384								4,384		



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2018-2027 TRANSPORTATION FORECAST													
PROJECT FORECAST LISTING 2018 (000 DOLLARS)													
PR NO	UNIQ ID#	PROJECT DESCRIPTION	GROSS COST	GROSS EXPENDITURE BY YEAR									
				2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
	7669	Old Tremaine Road from South Cul De Sac to Old Tremaine Road (Access Road) (MIL) (Regional Road 22)	306				306						
		EA											
		Design											
		Property											
		Utility Relocate											
		Construction	306				306						
	7670	Old Tremaine Road Reconstruction from Old Tremaine Road (Access Road) to North Cul De Sac (MIL) (Regional Road 22)	783				783						
		EA											
		Design											
		Property											
		Utility Relocate											
		Construction	783				783						
	7686	Tremaine Road Reconstruction from Railway Crossing to South of Highway 401 Bridge (MIL) (Regional Road 22)	2,420	2,420									
		EA											
		Design											
		Property											
		Utility Relocate											
		Construction	2,420	2,420									
	7682	Regional Road 25 Reconstruction from North of Main Street to No. 32 Side Road (HHS) (Regional Road 25)	1,555								1,555		
		EA											
		Design											
		Property											
		Utility Relocate											
		Construction	1,555								1,555		



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2018-2027 TRANSPORTATION FORECAST PROJECT FORECAST LISTING 2018 (000 DOLLARS)													
PR NO	UNIQ ID#	PROJECT DESCRIPTION	GROSS COST	GROSS EXPENDITURE BY YEAR									
				2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
	7680	No. 32 Side Road Reconstruction from Halton Region Boundary to Highway 7 (MIL) (Regional Road 32)	2,923					2,923					
		EA											
		Design											
		Property											
		Utility Relocate											
		Construction	2,923					2,923					
	7674	Replacement Noise Attenuation Barriers (REG) (Region-wide)	4,192	2,042	214			291			366	12	1,267
		EA											
		Design											
		Property											
		Utility Relocate											
		Construction	4,192	2,042	214			291			366	12	1,267
PR-30002A	6885	Vehicle Replacements - Transportation (Region-wide) (REG)	244	80		27		35	35		27	40	
		EA											
		Design											
		Property											
		Utility Relocate											
		Construction	244	80		27		35	35		27	40	
	7671	Storm System Construction (REG) (Region-wide)	2,000					2,000					
		EA											
		Design											
		Property											
		Utility Relocate											
		Construction	2,000					2,000					
		Sub-Total	164,323	37,983	24,200	12,245	48,372	9,497	620	5,305	7,991	3,827	14,283
		TOTAL Required Financing	1,605,987	207,039	253,814	172,640	123,389	127,166	90,801	120,980	201,643	112,382	196,133



HALTON REGION

Budget and Business Plan 2018

Waste Management

CAPITAL BUDGET

2018

WASTE MANAGEMENT-CAPITAL

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2018 WASTE MANAGEMENT SYSTEM PROJECT LISTING 2018 (000 DOLLARS)										
PROJECT NUMBER	UNIQUE ID	PROJECT DESCRIPTION	GROSS COST	SUBY/ RECOV	REGIONAL RESPONSIBILITY					
					DEVEL. CHGS.		GEN RESERV	CAP INVT RESERV	DEBENTURES	
					NON-RES	RES			GROWTH	REGIONAL
Expansion Activities										
PR-3172	5629	Halton Waste Management Site- Cell 4 West (REG)	75				75			
PR-2823	6397	Halton Waste Management Site - Potable Water Hook-up (REG)	300				300			
PR-3025	7009	HWMS Optimization Study Implementation (REG)	300				300			
		Sub-total	675				675			
Maintenance Activities										
	6994	Closed Landfill Environmental Management Plan - 2019 - 2020 (REG)	125				125			
		Sub-total	125				125			
Non-Infrastructure Solutions										
PR-2368	5479	Halton Waste Management Site - Purchase Buffer Lands (REG)	500				500			
		Sub-total	500				500			
Renewal/Rehabilitation Activities										
	6999	Building Assessment for Household Hazardous Waste - Rehab (REG)	75				75			



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2018 WASTE MANAGEMENT SYSTEM PROJECT LISTING 2018 (000 DOLLARS)										
PROJECT NUMBER	UNIQUE ID	PROJECT DESCRIPTION	GROSS COST	SUBY/ RECOV	REGIONAL RESPONSIBILITY					
					DEVEL. CHGS.		GEN RESERV	CAP INVT RESERV	DEBENTURES	
					NON-RES	RES			GROWTH	REGIONAL
	7289	Burlington Closed Landfill - Flow Meter and Chamber Renew/Rehab (REG)	60				60			
	7290	Armstrong Closed Landfill - Stormwater Sewer (REG)	125				125			
	7292	Bayview Closed Landfill - Pump Station Upgrades (BUR)	125				125			
		Sub-total	385				385			
		Replacement Activities								
PR-2901	6888	Vehicle Replacements - Waste Management (REG)	85				85			
	7003	GPS System Landfill Equipment Replacement - 2018 & 2026 (REG)	150				150			
PR-3189	7004	Equipment Replacement - Compactor - 2017 (REG)	400				400			
PR-3085	7005	Equipment Replacement - Bulldozer - 2016 (REG)	400				400			
		Sub-total	1,035				1,035			



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2018 WASTE MANAGEMENT SYSTEM PROJECT LISTING 2018 (000 DOLLARS)										
PROJECT NUMBER	UNIQUE ID	PROJECT DESCRIPTION	GROSS COST	SUBY/ RECOV	REGIONAL RESPONSIBILITY					
					DEVEL. CHGS.		GEN	CAP INVT	DEBENTURES	
					NON-RES	RES	RESERV	RESERV	GROWTH	REGIONAL
		Total	2,720					2,720		
		Summary								
		Expansion Activities	675					675		
		Maintenance Activities	125					125		
		Non-Infrastructure Solutions	500					500		
		Renewal/Rehabilitation Activities	385					385		
		Replacement Activities	1,035					1,035		
		Grand Total	2,720					2,720		



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WASTE MANAGEMENT-CAPITAL

BUDGET & BUSINESS PLAN

2018-2027 WASTE MANAGEMENT FORECAST PROJECT FORECAST LISTING WASTE MANAGEMENT 2018 (000 DOLLARS)													
PR NO	UNIQ ID	PROJECT DESCRIPTION	GROSS COST	GROSS EXPENDITURE BY YEAR									
				2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
Expansion Activities													
PR-1742	3687	Halton Waste Management Site - Litter Control Fence (REG)	110			50					60		
PR-3172	5629	Halton Waste Management Site- Cell 4 West (REG)	17,575	75						2,500		15,000	
PR-2741	6222	Landfill Gas System (REG)	1,625		55	205	175	550	50	30	300	110	150
PR-2823	6397	Halton Waste Management Site - Potable Water Hook-up (REG)	300	300									
PR-3173	6998	Buildings Assessment for Household Hazardous Waste - Study (REG)	20					20					
PR-3025	7009	HWMS Optimization Study Implementation (REG)	400	300				100					
PR-3188	7141	Halton Waste Management Site - Final Cover - Erosion Control & Vegetation - Cell 3 (REG)	370			150			100		120		
	7229	Transfer Station - Organics - Construction (REG)	7,100			7,100							
		Sub-total	27,500	675	55	7,505	175	670	2,650	90	15,420	110	150
Maintenance Activities													
	6994	Closed Landfill Environmental Management Plan - 2019 - 2020 (REG)	425	125	300								
	6995	Closed Landfill Environmental Management Plan - 2023-2024 (REG)	425					125		300			
		Sub-total	850	125	300			125	300				
Non-Infrastructure Solutions													
PR-2368	5479	Halton Waste Management Site - Purchase Buffer Lands (REG)	2,500	500	500		500		500		500		



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WASTE MANAGEMENT-CAPITAL

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2018-2027 WASTE MANAGEMENT FORECAST PROJECT FORECAST LISTING WASTE MANAGEMENT 2018 (000 DOLLARS)													
PR NO	UNIQ ID	PROJECT DESCRIPTION	GROSS COST	GROSS EXPENDITURE BY YEAR									
				2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
	6997	Solid Waste Management Strategy 2023 (REG)	500							500			
		Sub-total	3,000	500	500		500			1,000		500	
Renewal/Rehabilitation Activities													
	7001	Bayview Closed Landfill SCADA - 2021 (BUR)	100				100						
	7292	Bayview Closed Landfill - Pump Station Upgrades (BUR)	1,625	125	1,500								
	6880	Halton Waste Management Site - Roads 5 and 6 Upgrades and Surfacing (REG)	520				120	400					
	6993	Halton Waste Management Site - Scales Upgrade - 2021 (REG)	50				50						
	6999	Building Assessment for Household Hazardous Waste - Rehab (REG)	175	75						100			
	7000	Armstrong Closed Landfill SCADA - 2021 (REG)	100				100						
	7218	Oakville 4th Line (Closed) Landfill - Pump Station Upgrades (REG)	150								150		
	7219	Halton Waste Management Site - Scales Upgrade - 2026 (REG)	50										50
	7288	Halton Waste Management Site - Pump Station 1 - Upgrades (REG)	200			200							
	7289	Burlington Closed Landfill - Flow Meter and Chamber Renew/Rehab (REG)	60	60									
	7290	Armstrong Closed Landfill - Stormwater Sewer (REG)	150	125						25			



CAPITAL BUDGET

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WASTE MANAGEMENT-CAPITAL

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2018-2027 WASTE MANAGEMENT FORECAST PROJECT FORECAST LISTING WASTE MANAGEMENT 2018 (000 DOLLARS)													
PR NO	UNIQ ID	PROJECT DESCRIPTION	GROSS COST	GROSS EXPENDITURE BY YEAR									
				2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
	7293	Armstrong Closed Landfill - Pump Station Upgrades (REG)	100					100					
	7638	LCM Grey Water Tank Replacement (REG)	30										30
	7639	LCM SCADA Landfill Gas HWMS (REG)	100										100
	7640	LCM SCADA HWMS (REG)	100										100
	7641	LCM Leachate Pumps HWMS (REG)	50										50
	7642	LCM East Pond Pumping Station (REG)	50										50
	7643	LCM Flow Meter Georgetown And Bayview (REG)	20										20
	7644	LCM Bayview Closed Landfill - Pump Station Upgrades (Pumps) (REG)	20										20
		Sub-total	3,650	385	1,500	200	370	500	125	150		50	370
Replacement Activities													
PR-2901	6888	Vehicle Replacements - Waste Management (REG)	1,840	85	379	174	24		389	40	41	238	470
	7003	GPS System Landfill Equipment Replacement - 2018 & 2026 (REG)	250	150								100	
PR-3189	7004	Equipment Replacement - Compactor - 2017 (REG)	400	400									
PR-3085	7005	Equipment Replacement - Bulldozer - 2016 (REG)	400	400									
	7006	Equipment Replacement - Bulldozer - 2024 (REG)	1,400							1,400			
	7094	Equipment Replacement - Compactor - 2023 (REG)	1,500						1,500				



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2018-2027 WASTE MANAGEMENT FORECAST PROJECT FORECAST LISTING WASTE MANAGEMENT 2018 (000 DOLLARS)													
PR NO	UNIQ ID	PROJECT DESCRIPTION	GROSS COST	GROSS EXPENDITURE BY YEAR									
				2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
	7291	Halton Waste Management Site - Tarping Machine Replacement (REG)	75			75							
		Sub-total	5,865	1,035	379	249	24		1,889	1,440	41	338	470
		Total Required Financing	40,865	2,720	2,734	7,954	1,069	1,170	5,789	1,980	15,961	498	990



HALTON REGION

Budget and Business Plan 2018

Other Regional Programs

CAPITAL BUDGET
OTHER REGIONAL PROGRAMS-CAPITAL

2018

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2018 OTHER REGIONAL PROGRAMS											
PROJECT LISTING 2018 (000 DOLLARS)											
PROJECT NUMBER	UNIQUE ID	PROJECT DESCRIPTION	GROSS COST	SUBY/ RECOV	NET REGIONAL RESPONSIBILITY	REGIONAL RESPONSIBILITY					
						DEVEL. CHGS.		GEN RESERV	CAP INVT RESERV	DEBENTURES	
						NON-RES	RES			GROWTH	REGIONAL
Finance											
Information Technology											
T5410A	CST000001	Desktop Growth Licensing	35		35			35			
T5410B	CST000002	ERP Growth Licensing	45		45			45			
T5460A	CST000006	Technology - Replacement Servers	150		150			150			
T5460B	CST000007	Technology - Replacement Network	305		305			305			
T5450A	CST000008	Technology Infrastructure - New	127		127			127			
T5440A	CST000010	Microcomputer - Replacement	649		649			649			
T5410D	CST000021	GIS Growth Licensing	50		50			50			
T5410E	CST000022	Security Infrastructure Growth Licensing	90		90			90			
T5410F	CST000023	Customer Service Growth Licensing	50		50			50			
T5410H	CST000024	Collaboration & Doc. Mngt Licensing	45		45			45			
T5430C	CST000031	Voice New	53		53			53			
T5440B	CST000032	Printers Replacement	132		132			132			
T5450B	CST000033	New Servers	141		141			141			
T5480A	CST000038	Water Lab Information System	25		25			25			
T5480C	CST000040	W/WW Application Maintenance	150		150			150			
T5440C	CST000041	Voice Replacement	150		150			150			
T5410J	CST000049	PS Growth Licensing	9		9			9			
T5460G	CST000069	SCADA Infrastructure/Server Replacement	105		105			105			
T5480K	CST000082	Maint. Work Management Replacement	250		250			250			
T5471H	CST000092	PS - Wireless	15		15			15			
T5480L	CST000093	PW CMMS Growth Licensing	60		60			60			
T5410Q	CST000103	DATS License Growth	14		14			14			
	CST000114	Microsoft/Office Upgrade	160		160			160			
T5420J	CST000116	Sire Upgrade/Replacement	125		125			125			
T5420FA	CST000117	Non-Enterprise Systems Upgrade/Replace	130		130			130			
T5420VA	CST000118	Halton.ca Upgrade/Replacement	50		50			50			
T5420MC	CST000123	New Non-Enterprise Systems	55		55			55			
T5422I	CST000130	Information Mgmt - Public Works	90		90			90			



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2018 OTHER REGIONAL PROGRAMS											
PROJECT LISTING 2018 (000 DOLLARS)											
PROJECT NUMBER	UNIQUE ID	PROJECT DESCRIPTION	GROSS COST	SUBY/ RECOV	NET REGIONAL RESPONSIBILITY	REGIONAL RESPONSIBILITY					
						DEVEL. CHGS.		GEN RESERV	CAP INVT RESERV	DEBENTURES	
						NON-RES	RES			GROWTH	REGIONAL
T5410R	CST000133	Non-Enterprise Systems Growth Licensing	12		12			12			
	CST000134	IT Service Request & Asset Mgmt Replacement	200		200			200			
	CST000135	IPFS Replacement	300		300			300			
	CST000136	Debenture Management System Replacement	100		100			100			
	CST000137	AMS Property Mgmt Replacement (Yardi)	300		300			300			
T5420MD	CST000138	Enterprise Sytem Enhancements	175		175			175			
T5420MF	CST000142	Service Access Strategy	250		250			250			
	CST000143	Internal Audit - Software	28		28			28			
	CST000144	Maintenance Module for Social Housing	89		89			89			
	CST000148	DATS Replacement - Phase 2	50		50			50			
	CST000149	Investment Management System	150		150			150			
	CST000150	Talent Management System	175		175			175			
		Division Sub-total	5,089		5,089			5,089			
Other											
T5219A	CSB000009	Growth Studies	305		305	86	216	3			
T5225B	CSB000014	Development Charge Appeal	100		100			100			
		Division Sub-total	405		405	86	216	103			
		Department Sub-total	5,494		5,494	86	216	5,192			



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OTHER REGIONAL PROGRAMS-CAPITAL

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2018 OTHER REGIONAL PROGRAMS PROJECT LISTING 2018 (000 DOLLARS)											
PROJECT NUMBER	UNIQUE ID	PROJECT DESCRIPTION	GROSS COST	SUBY/ RECOV	NET REGIONAL RESPONSIBILITY	REGIONAL RESPONSIBILITY					
						DEVEL. CHGS.		GEN RESERV	CAP INVT RESERV	DEBENTURES	
						NON-RES	RES			GROWTH	REGIONAL
Health Other											
	HO000005	Public Health Vehicle	51		51			51			
		Division Sub-total	51		51			51			
Paramedic Services											
T6714A	HAM000005	PS Stations	1,170		1,170	164	831	175			
T6715A	HAM000007	PS Stations	1,264		1,264			1,264			
T6717A	HAM000012	PS Stations	1,921		1,921	269	1,364	288			
	HAM000014	PS Vehicles	1,762		1,762	13	67	1,682			
T6719A	HAM000015	Defibrillators	1,615		1,615			1,615			
	HAM000018	Power Stretchers	100		100			100			
		Division Sub-total	7,832		7,832	446	2,262	5,124			
		Department Sub-total	7,883		7,883	446	2,262	5,175			



CAPITAL BUDGET
OTHER REGIONAL PROGRAMS-CAPITAL

2018

BUDGET & BUSINESS PLAN

2018 OTHER REGIONAL PROGRAMS											
PROJECT LISTING 2018 (000 DOLLARS)											
PROJECT NUMBER	UNIQUE ID	PROJECT DESCRIPTION	GROSS COST	SUB/Y/ RECOV	NET REGIONAL RESPONSIBILITY	REGIONAL RESPONSIBILITY					
						DEVEL. CHGS.		GEN RESERV	CAP INVT RESERV	DEBENTURES	
						NON-RES	RES			GROWTH	REGIONAL
Legislative & Planning Services											
Asset Management											
T5013A	CSA000001	HRC - Rehab & Replacement	10,930		10,930			10,930			
T5014A	CSA000002	Facility Office Space Accommodation	600		600			600			
T5016A	CSA000004	Region - Accessibility and Security	100		100			100			
T5021A	CSA000011	Landfill - Rehab & Replacement	70		70			70			
T5024A	CSA000015	Region - Building Condition Assessments	100		100			100			
T5025A	CSA000016	NOC - Rehab & Replacement	85		85			85			
T5026A	CSA000020	Energy Program	100		100			100			
T5029A	CSA000022	Building Automation System - Replacement	50		50			50			
T5032A	CSA000027	WOC - Rehab & Replacement	60		60			60			
T5017B	CSA000030	Regional Accommodation Plan - Child Care Centre	1,650		1,650			1,650			
	CSA000037	Non-Emergency Vehicle Replacement	47		47			47			
T5044A	CSA000040	First Line Properties	100		100			100			
T5041A	CSA000044	Site Services - Signage	50		50			50			
T5042A	CSA000045	Childcare Centres LTC	30		30			30			
T5020F	CSA000078	EMS - Station #07	70		70			70			
T5020G	CSA000079	EMS - Station #08	40		40			40			
T5022B	CSA000081	LTC - Allendale	720		720			720			
T5022C	CSA000082	LTC - Creek Way	230		230			230			
T5022D	CSA000083	LTC - Post Inn	165		165			165			
	CSA000107	Fleet Equipment - Replacement	30		30			30			
		Division Sub-total	15,227		15,227			15,227			
Planning											
T8019A	PPLN000002	Planning Litigation - OMB & Other Hearings	500		500			500			
	PPLN000016	Regional Official Plan Update (2019)	1,350		1,350	193	475	682			
T7103B	PPLN000028	CHS - Assisted Housing Development	9,000		9,000		1,700	7,300			
	PPLN000034	Burlington Beach - Land	2,100		2,100			2,100			



CAPITAL BUDGET
OTHER REGIONAL PROGRAMS-CAPITAL

2018

BUDGET & BUSINESS PLAN

2018 OTHER REGIONAL PROGRAMS PROJECT LISTING 2018 (000 DOLLARS)											
PROJECT NUMBER	UNIQUE ID	PROJECT DESCRIPTION	GROSS COST	SUBY/ RECOV	NET REGIONAL RESPONSIBILITY	REGIONAL RESPONSIBILITY					
						DEVEL. CHGS.		GEN RESERV	CAP INVT RESERV	DEBENTURES	
						NON-RES	RES			GROWTH	REGIONAL
	PPLN000036	Burlington Beach - Recreational Works	2,381		2,381	70	1,324	987			
	PPLN000037	Burlington Beach - Environmental Restoration	2,023		2,023	59	1,125	839			
	PPLN000040	IAH-E - Assisted Housing Development	2,850		2,850			2,850			
	PPLN000041	IAH-SIF - Assited Housing Development	1,939		1,939			1,939			
		Division Sub-total	22,143		22,143	322	4,624	17,197			
		Department Sub-total	37,370		37,370	322	4,624	32,424			
Social & Community Services											
Childrens Services											
T7009A	SCS000002	Capital Improvement Support	50		50			50			
		Division Sub-total	50		50			50			
Services for Seniors											
T7200B	SNR000012	Allendale Equipment Replacement	228		228			228			
T7200C	SNR000013	Post Inn Equipment Replacement	260		260			260			
T7200D	SNR000014	Creek Way Village Equipment Replacement	162		162			162			
		Division Sub-total	650		650			650			
		Department Sub-total	700		700			700			



CAPITAL BUDGET
OTHER REGIONAL PROGRAMS-CAPITAL

2018

BUDGET & BUSINESS PLAN

2018 OTHER REGIONAL PROGRAMS											
PROJECT LISTING 2018 (000 DOLLARS)											
PROJECT NUMBER	UNIQUE ID	PROJECT DESCRIPTION	GROSS COST	SUBY/ RECOV	NET REGIONAL RESPONSIBILITY	REGIONAL RESPONSIBILITY					
						DEVEL. CHGS.		GEN RESERV	CAP INVT RESERV	DEBENTURES	
						NON-RES	RES			GROWTH	REGIONAL
		Total	51,447		51,447	854	7,102	43,491			
		Summary									
		Finance									
		Financial Planning & Budgets	405		405	86	216	103			
		Information Technology	5,089		5,089			5,089			
		Health									
		Health - Other	51		51			51			
		Paramedic Services	7,832		7,832	446	2,262	5,124			
		Legislative & Planning Services									
		Asset Management	15,227		15,227			15,227			
		Planning	22,143		22,143	322	4,624	17,197			
		Social & Community Services									
		Childrens Services	50		50			50			
		Services for Seniors	650		650			650			
		Grand Total	51,447		51,447	854	7,102	43,491			



CAPITAL BUDGET
OTHER REGIONAL PROGRAMS-CAPITAL

2018

BUDGET & BUSINESS PLAN

2018-2027 TAX BUDGET ITEMS FORECAST PROJECT FORECAST LISTING 2018-2027 (000 DOLLARS)													
PR NO	UNIQUE ID	PROJECT DESCRIPTION	GROSS COST	GROSS EXPENDITURE BY YEAR									
				2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
Finance													
	Information Technology												
T5410A	CST000001	Desktop Growth Licensing	365	35	35	35	36	36	37	37	38	38	38
T5410B	CST000002	ERP Growth Licensing	450	45	45	45	45	45	45	45	45	45	45
T5460A	CST000006	Technology - Replacement Servers	1,889	150	165	149	139	150	192	224	284	208	228
T5460B	CST000007	Technology - Replacement Network	4,255	305	390	280	405	500	255	535	585	500	500
T5450A	CST000008	Technology Infrastructure - New	2,171	127	131	159	178	171	201	301	301	301	301
T5440A	CST000010	Microcomputer - Replacement	8,530	649	738	973	1,004	715	833	1,061	1,026	607	924
T5470B	CST000015	Long Term Care Systems Replacement	600		50	150		50	150		50	150	
T5410D	CST000021	GIS Growth Licensing	352	50	30	32	35	35	35	35	30	35	35
T5410E	CST000022	Security Infrastructure Growth Licensing	135	90	5	5	5	5	5	5	5	5	5
T5410F	CST000023	Customer Service Growth Licensing	500	50	50	50	50	50	50	50	50	50	50
T5410H	CST000024	Collaboration & Doc. Mngt Licensing	653	45	50	55	60	65	70	78	75	75	80
T5430C	CST000031	Voice New	368	53	23	23	23	24	24	24	24	25	125
T5440B	CST000032	Printers Replacement	1,836	132	122	317	258	59	176	130	325	120	197
T5450B	CST000033	New Servers	1,484	141	115	115	135	148	148	148	178	178	178
T5460F	CST000037	Computer Room Envelope	350			25	75	50		100	100		
T5480A	CST000038	Water Lab Information System	650	25	25	25	200	100	100	25	25	25	100
T5480C	CST000040	W/WW Application Maintenance	1,010	150	90	90	90	90	100	100	100	100	100
T5440C	CST000041	Voice Replacement	1,445	150	50	126	164	240	340	75	100	100	100
T5420N	CST000043	Waste Managment Systems Upgrade	195		20	75				20	80		
T5410I	CST000045	Region Aerial Photography	495		90		95		100		105		105
T5440D	CST000047	PS Mobile Computer Replace	1,122		306		20	10	337	5	31	20	393
T5410J	CST000049	PS Growth Licensing	121	9	26	4	9	9	4	22	4	17	17



CAPITAL BUDGET
OTHER REGIONAL PROGRAMS-CAPITAL

2018

BUDGET & BUSINESS PLAN

2018-2027 TAX BUDGET ITEMS FORECAST PROJECT FORECAST LISTING 2018-2027 (000 DOLLARS)													
PR NO	UNIQUE ID	PROJECT DESCRIPTION	GROSS COST	GROSS EXPENDITURE BY YEAR									
				2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
T5420Q	CST000054	Asset Reporting Sys Upgrade/Rplcmt Riva	150							150			
T5460G	CST000069	SCADA Infrastructure/Server Replacement	382	105	16	4	42	24	105	16	4	42	24
T5471E	CST000070	PS - Dispensing system replacement	250				250						
T5471F	CST000072	PS - ePCR System Replacement	480		240							240	
T5480K	CST000082	Maint. Work Management Replacement	1,150	250	100		200	200				200	200
T5471H	CST000092	PS - Wireless	568	15	22	192	18	13	15	26	237	16	14
T5480L	CST000093	PW CMMS Growth Licensing	520	60	60	60	60	60	60	40	40	40	40
T5471I	CST000100	PS - Information Sys. Repl.	135						75	30	30		
T5410Q	CST000103	DATS License Growth	45	14	3	3	3	3	3	4	4	4	4
T5460H	CST000107	Council AV Equip. Repl.	200								200		
T5471L	CST000108	PS - Dispatch Connectivity	240		120						120		
T5471M	CST000109	Enterprise WFM - Paramedics Replacement	200			100				100			
T5420A	CST000110	Siebel System Upgrade	500		100		100		100		100		100
T5420E	CST000111	SAP System Upgrade	960		200		200			280			280
T5420M	CST000112	GIS System Upgrade	270		20		50	50		50	50		50
T5420Y	CST000113	DATS Upgrade Replacement	550			150			200			200	
	CST000114	Microsoft/Office Upgrade	260	160					100				
T5420JB	CST000115	SharePoint Upgrade	300		75		75		75			75	
T5420J	CST000116	Sire Upgrade/Replacement	490	125	100		90	25			75	75	
T5420FA	CST000117	Non-Enterprise Systems Upgrade/Replace	993	130	88	60	125	125	75	125	80	100	85
T5420VA	CST000118	Halton.ca Upgrade/Replacement	450	50	100			50	100	50		50	50
T5420MC	CST000123	New Non-Enterprise Systems	1,013	55	58	120	125	125	75	125	80	125	125
T5420EC	CST000125	Enterprise WorkForce Mgmt - Corporate	300							300			



CAPITAL BUDGET
OTHER REGIONAL PROGRAMS-CAPITAL

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BUDGET & BUSINESS PLAN

2018-2027 TAX BUDGET ITEMS FORECAST PROJECT FORECAST LISTING 2018-2027 (000 DOLLARS)													
PR NO	UNIQUE ID	PROJECT DESCRIPTION	GROSS COST	GROSS EXPENDITURE BY YEAR									
				2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
T5420FC	CST000126	Mobile Strategy Implement. - Mobile Apps	100				50						50
T5420MB	CST000127	Information Management - Open Data	150			50			50				50
T5422I	CST000130	Information Mgmt - Public Works	180	90	90								
T5420JA	CST000131	Integration Platform Upgrd/Rplce-Biztalk	300				200						100
T5420V	CST000132	Halton Central Replacement Phases 2 & 3	350		100				100	50			50
T5410R	CST000133	Non-Enterprise Systems Growth Licensing	120	12	12	12	12	12	12	12	12	12	12
	CST000134	IT Service Request & Asset Mgmt Replacement	350	200			50			50			50
	CST000135	IPFS Replacement	450	300			50			50			50
	CST000136	Debenture Management System Replacement	250	100			50			50			50
	CST000137	AMS Property Mgmt Replacement (Yardi)	300	300									
T5420MD	CST000138	Enterprise Sytem Enhancements	920	175	120	115	110	105	100	100	95		
T5420MF	CST000142	Service Access Strategy	1,050	250	350	250	200						
	CST000143	Internal Audit - Software	28	28									
	CST000144	Maintenance Module for Social Housing	89	89									
	CST000145	Heritage Built Museum	100		100								
	CST000146	Child Care Management System	80		80								
	CST000148	DATS Replacement - Phase 2	150	50	100								
	CST000149	Investment Management System	150	150									
	CST000150	Talent Management System	175	175									
	Other												
T5219A	CSB000009	Growth Studies	4,678	305	305	814	610	305	305	305	814	610	305
T5225B	CSB000014	Development Charge Appeal	100	100									
		Finance	49,452	5,494	5,115	4,663	5,696	3,649	5,002	4,683	5,502	4,638	5,010



CAPITAL BUDGET
OTHER REGIONAL PROGRAMS-CAPITAL

2018

BUDGET & BUSINESS PLAN

2018-2027 TAX BUDGET ITEMS FORECAST PROJECT FORECAST LISTING 2018-2027 (000 DOLLARS)													
PR NO	UNIQUE ID	PROJECT DESCRIPTION	GROSS COST	GROSS EXPENDITURE BY YEAR									
				2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
Health													
Other													
T6501A	HO000001	Air Quality Program	2,023		333	175	345	110	124	350	113	123	350
	HO000005	Public Health Vehicle	102	51						51			
Paramedic Services													
T6714A	HAM000005	PS Stations	1,170	1,170									
T6715A	HAM000007	PS Stations	1,264	1,264									
T6717A	HAM000012	PS Stations	1,921	1,921									
	HAM000014	PS Vehicles	18,084	1,762	1,513	1,451	1,827	1,459	2,124	2,029	2,397	1,957	1,565
T6719A	HAM000015	Defibrillators	4,570	1,615	161	41	84	43	44	2,398	45	92	47
	HAM000016	PS Master Plan	150						150				
	HAM000018	Power Stretchers	3,128	100	102			57	1,176	1,284	115	235	59
Health			32,412	7,883	2,109	1,667	2,256	1,669	3,618	6,112	2,670	2,407	2,021
Legislative & Planning Services													
Asset Management													
T5013A	CSA000001	HRC - Rehab & Replacement	19,306	10,930	1,105	1,144	523	1,090	1,028	845	897	803	941
T5014A	CSA000002	Facility Office Space Accommodation	6,750	600	600	900	900	600	600	600	650	650	650
T5016A	CSA000004	Region - Accessibility and Security	1,000	100	100	100	100	100	100	100	100	100	100
T5018A	CSA000007	Museum - Rehab & Replacement	515		67	60	56	55	59	55	52	56	55
T5021A	CSA000011	Landfill - Rehab & Replacement	1,036	70	152	75	64	116	99	206	127	65	62
T5024A	CSA000015	Region - Building Condition Assessments	2,550	100	150	150	700	150	150	150	150	700	150
T5025A	CSA000016	NOC - Rehab & Replacement	556	85	24	54	60	35	80	68	63	35	52
T5026A	CSA000020	Energy Program	1,000	100	100	100	100	100	100	100	100	100	100
T5029A	CSA000022	Building Automation System - Replacement	750	50	150	200	50	50	50	50	50	50	50



CAPITAL BUDGET
OTHER REGIONAL PROGRAMS-CAPITAL

2018

BUDGET & BUSINESS PLAN

2018-2027 TAX BUDGET ITEMS FORECAST PROJECT FORECAST LISTING 2018-2027 (000 DOLLARS)													
PR NO	UNIQUE ID	PROJECT DESCRIPTION	GROSS COST	GROSS EXPENDITURE BY YEAR									
				2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
T5032A	CSA000027	WOC - Rehab & Replacement	1,032	60	100	60	66	200	59	50	43	83	311
T5017B	CSA000030	Regional Accommodation Plan - Child Care Centre	1,650	1,650									
T5046A	CSA000034	Relocation to HRC	1,200			1,200							
	CSA000037	Non-Emergency Vehicle Replacement	423	47	70		32		70	47	87		70
T5038A	CSA000039	Equipment - Building Sciences Investigation	70		35				35				
T5044A	CSA000040	First Line Properties	100	100									
T5040A	CSA000043	Woodlands Operation Centre Expansion	26,600			26,600							
T5041A	CSA000044	Site Services - Signage	200	50	50	50	50						
T5042A	CSA000045	Childcare Centres LTC	330	30	30	30	30	35	35	35	35	35	35
T5020B	CSA000074	EMS - Station #00	324		13	7	72	79	55		3	30	65
T5020C	CSA000075	EMS - Station #02	103		45	17		1		21	9	2	8
T5020D	CSA000076	EMS - Station #04	126		33		43	11	19	1	3	10	6
T5020E	CSA000077	EMS - Station #05	79		4	3		28	7	2	11	3	21
T5020F	CSA000078	EMS - Station #07	264	70			21	7	48	35	41	20	22
T5020G	CSA000079	EMS - Station #08	173	40		5	5	11	8	8	57	18	21
T5020H	CSA000080	EMS - Station #10	70		9	13	12		2	12	12	6	4
T5022B	CSA000081	LTC - Allendale	7,592	720	1,129	1,002	658	185	501	594	688	1,006	1,109
T5022C	CSA000082	LTC - Creek Way	1,645	230	278	264	260	134	202	60	188	5	24
T5022D	CSA000083	LTC - Post Inn	1,953	165	268	167	142	184	150	148	274	220	235
T5022E	CSA000093	LTC - IT Room - Allendale	20							20			
T5020I	CSA000101	EMS - Station #12	41			4			7	4	13	8	5
T5020J	CSA000102	EMS - Station #14	26		9	2			2		9		4
T5020K	CSA000103	EMS - Station #03	148			12	3	11	53	30	18	2	19



CAPITAL BUDGET
OTHER REGIONAL PROGRAMS-CAPITAL

2018

BUDGET & BUSINESS PLAN

2018-2027 TAX BUDGET ITEMS FORECAST PROJECT FORECAST LISTING 2018-2027 (000 DOLLARS)													
PR NO	UNIQUE ID	PROJECT DESCRIPTION	GROSS COST	GROSS EXPENDITURE BY YEAR									
				2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
T5020L	CSA000104	EMS - Station #06	152		10			10	77	4	11	10	30
T5020M	CSA000105	EMS - Station #13	59		8	1		21	2	5	4		18
T5020N	CSA000106	EMS - Storage Room	31					22	9				
	CSA000107	Fleet Equipment - Replacement	218	30	38	38	12	12	12	12	12	26	26
		Planning											
T8019A	PPLN000002	Planning Litigation - OMB & Other Hearings	13,000	500	1,000	2,500	1,000	1,000	1,000	1,500	2,000	1,500	1,000
T8022A	PPLN000009	Forest Management Program	554		62	78	54	65	56	67	53	54	65
	PPLN000016	Regional Official Plan Update (2019)	1,350	1,350									
	PPLN000017	Regional Official Plan Imp (2019)	1,050		350	350	350						
	PPLN000022	Regional Official Plan Update (2024)	4,000					2,000	1,000	1,000			
	PPLN000024	Vehicle Replacements - Planning	60		30					30			
	PPLN000025	Regional Official Plan Imp (2024)	1,050							350	350	350	
T7103B	PPLN000028	CHS - Assisted Housing Development	96,500	9,000	9,000	9,000	9,400	9,450	9,450	11,200	10,000	10,000	10,000
	PPLN000030	Burloak Waterfront Park	550		550								
	PPLN000033	Regional Official Plan (2029)	1,750									750	1,000
	PPLN000034	Burlington Beach - Land	10,600	2,100	1,500	800	800	800	800	800	1,500	1,500	
	PPLN000035	Burlington Beach - Hydro Tower	12,204			12,204							
	PPLN000036	Burlington Beach - Recreational Works	10,914	2,381	469	1,913						6,151	
	PPLN000037	Burlington Beach - Environmental Restoration	6,960	2,023	753	1,085						3,099	
	PPLN000038	Halton Heritage Centre	8,000		8,000								
	PPLN000040	IAH-E - Assisted Housing Development	3,600	2,850	750								
	PPLN000041	IAH-SIF - Assited Housing Development	1,939	1,939									
	PPLN000042	20-Year Forest Management Plan	150						150				



CAPITAL BUDGET
OTHER REGIONAL PROGRAMS-CAPITAL

2018

BUDGET & BUSINESS PLAN

2018-2027 TAX BUDGET ITEMS FORECAST PROJECT FORECAST LISTING 2018-2027 (000 DOLLARS)													
PR NO	UNIQUE ID	PROJECT DESCRIPTION	GROSS COST	GROSS EXPENDITURE BY YEAR									
				2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
		Legislative & Planning Services	252,323	37,370	27,041	60,188	15,563	16,562	16,075	18,209	17,610	27,447	16,258
		Social & Community Services											
		Childrens Services											
T7009A	SCS000002	Capital Improvement Support	500	50	50	50	50	50	50	50	50	50	50
		Services for Seniors											
T7200B	SNR000012	Allendale Equipment Replacement	2,280	228	228	228	228	228	228	228	228	228	228
T7200C	SNR000013	Post Inn Equipment Replacement	2,600	260	260	260	260	260	260	260	260	260	260
T7200D	SNR000014	Creek Way Village Equipment Replacement	1,620	162	162	162	162	162	162	162	162	162	162
		Social & Community Services	7,000	700	700	700	700	700	700	700	700	700	700
		Total Required Financing	341,187	51,447	34,965	67,218	24,215	22,580	25,395	29,704	26,482	35,192	23,989



HALTON REGION

Budget and Business Plan 2018

Halton Regional Police Service

CAPITAL BUDGET

HALTON REGIONAL POLICE SERVICE-CAPITAL

2018

BUDGET & BUSINESS PLAN

2018 HALTON REGIONAL POLICE SERVICE PROJECT LISTING 2018 (000 DOLLARS)											
PROJECT NUMBER	UNIQUE ID	PROJECT DESCRIPTION	GROSS COST	SUBY/ RECOV	NET REGIONAL RESPONSIBILITY	REGIONAL RESPONSIBILITY					
						DEVEL. CHGS.		GEN RESERV	CAP INVT RESERV	DEBENTURES	
						NON-RES	RES			GROWTH	REGIONAL
Halton Regional Police Services											
T6838C	PO000002	Business Applications	600		600			600			
T6865A	PO000013	Facilities - Building Projects/Upgrades	200		200			200			
T6836D	PO000043	Computer Replacement	250		250			250			
T6869A	PO000044	Search & Rescue Vessel (Marine I)	100		100			100			
T6844G	PO000046	Technology Replacements	560		560			560			
T6844E	PO000047	Network Server Replacements	250		250			250			
T6814E	PO000051	Mobile Workstation (MWS) Replacement	1,442		1,442			1,442			
	PO000056	Police Vehicles	2,196		2,196	80	154	1,962			
	PO000066	Video Conferencing	300		300			300			
	PO000073	Specialized Equipment	220		220			220			
	PO000078	Public Safety LTE Network Project	462		462	121	295	46			
	PO000079	Portal Re-design - Future Phases	150		150			150			
	PO000080	Training Mgmt Sys. Future Phases	100		100			100			
	PO000081	Backup Data Centre	150		150			150			
	PO000082	Property & Evidence Management Unit (PEMU) - Infrastructure	400		400	89	151	160			
		Total	7,380		7,380	290	600	6,490			
		Summary									
		Halton Regional Police Services	7,380		7,380	290	600	6,490			
		Grand Total	7,380		7,380	290	600	6,490			



CAPITAL BUDGET
HALTON REGIONAL POLICE SERVICE-CAPITAL

2018

BUDGET & BUSINESS PLAN

2018-2027 TAX BUDGET ITEMS FORECAST PROJECT FORECAST LISTING 2018-2027 (000 DOLLARS)														
PR NO	UNIQUE ID	PROJECT DESCRIPTION	GROSS COST	GROSS EXPENDITURE BY YEAR										
				2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	
Halton Regional Police Services														
T6838C	PO000002	Business Applications	1,800	600	600	600								
T6850B	PO000006	Automated Finger Printing System	200			200								
T6865A	PO000013	Facilities - Building Projects/Upgrades	2,000	200	200	200	200	200	200	200	200	200	200	200
	PO000014	Tactical Response Vehicle	450		450									
T6866A	PO000034	1 District - Consolidated Facility	20,677		20,677									
T6848A	PO000042	Search & Rescue Vessel (Marine II)	60					60						
T6836D	PO000043	Computer Replacement	850	250	300	300								
T6869A	PO000044	Search & Rescue Vessel (Marine I)	200	100					100					
T6844G	PO000046	Technology Replacements	1,760	560	600	600								
T6844E	PO000047	Network Server Replacements	750	250	250	250								
	PO000050	Tech. Proj. to Support Business Plan	11,200				1,600	1,600	1,600	1,600	1,600	1,600	1,600	1,600
T6814E	PO000051	Mobile Workstation (MWS) Replacement	1,442	1,442										
T6849B	PO000052	Radio System - Infrastructure / Towers	2,000						1,000					1,000
T6834B	PO000054	Building Security Systems	1,000							500	500			
	PO000056	Police Vehicles	21,128	2,196	2,162	2,187	2,211	2,059	2,063	2,017	2,007	2,036	2,190	
	PO000066	Video Conferencing	300	300										
	PO000072	Body-Worn Cameras	500		500									
	PO000073	Specialized Equipment	220	220										
	PO000075	1 District - Upgrade 11 Division	200		200									
	PO000076	2 & 3 District - Future Use Study	100		100									
	PO000078	Public Safety LTE Network Project	4,036	462	1,240	778	778	778						
	PO000079	Portal Re-design - Future Phases	150	150										



2018-2027 TAX BUDGET ITEMS FORECAST PROJECT FORECAST LISTING 2018-2027 (000 DOLLARS)													
PR NO	UNIQUE ID	PROJECT DESCRIPTION	GROSS COST	GROSS EXPENDITURE BY YEAR									
				2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
	PO000080	Training Mgmt Sys. Future Phases	260	100	80	80							
	PO000081	Backup Data Centre	300	150	150								
	PO000082	Property & Evidence Management Unit (PEMU) - Infrastructure	400	400									
	PO000083	Explosives Disposal Unit (EDU) - Replacement Vehicle	350			350							
		Total Required Financing	72,333	7,380	27,009	6,045	4,789	4,697	4,963	4,317	4,307	3,836	4,990

HALTON REGION

Budget and Business Plan 2018

Water & Wastewater – Capital

CAPITAL BUDGET
WATER/WASTEWATER - CAPITAL

2018
BUDGET & BUSINESS PLAN

2018 - 2027 WATER/WASTEWATER CAPITAL BUDGET (Uninflated 000s)

	GROSS COST	SUBSIDY/ RECOVERY	NET REG RESP	DEVELOPMENT CHARGES		GENERAL RESERVES & OTHERS	CAPITAL INVEST. RESERVE	DEBENTURES	
				NON-RESIDENTIAL	RESIDENTIAL			GROWTH	REG
2018 Non-Development Programs									
Water	41,500	986	40,514	-	-	40,514	-	-	-
Wastewater	26,259	-	26,259	-	-	26,259	-	-	-
Sub-total	67,759	986	66,773	-	-	66,773	-	-	-
Development Programs									
Water	53,338	-	53,338	-	40,712	1,459	11,167	-	-
Wastewater	52,508	-	52,508	-	32,967	8,071	11,470	-	-
Sub-total	105,846	-	105,846	-	73,679	9,530	22,637	-	-
TOTAL 2018	173,605	986	172,619	-	73,679	76,303	22,637	-	-
2019 Non-Development Programs									
Water	56,353	986	55,367	-	-	55,367	-	-	-
Wastewater	48,806	-	48,806	-	-	48,806	-	-	-
Sub-total	105,159	986	104,173	-	-	104,173	-	-	-
Development Programs									
Water	26,973	-	26,973	-	19,270	1,140	6,563	-	-
Wastewater	130,097	-	130,097	-	95,011	1,922	33,164	-	-
Sub-total	157,070	-	157,070	-	114,281	3,062	39,727	-	-
TOTAL 2019	262,229	986	261,243	-	114,281	107,235	39,727	-	-
2020 Non-Development Programs									
Water	36,969	986	35,983	-	-	35,983	-	-	-
Wastewater	27,756	-	27,756	-	-	27,756	-	-	-
Sub-total	64,725	986	63,739	-	-	63,739	-	-	-
Development Programs									
Water	57,367	-	57,367	-	41,991	1,038	14,338	-	-
Wastewater	49,490	-	49,490	-	31,573	6,947	10,970	-	-
Sub-total	106,857	-	106,857	-	73,564	7,985	25,308	-	-
TOTAL 2020	171,582	986	170,596	-	73,564	71,724	25,308	-	-
2021 Non-Development Programs									
Water	59,006	986	58,020	-	-	58,020	-	-	-
Wastewater	28,183	-	28,183	-	-	28,183	-	-	-
Sub-total	87,189	986	86,203	-	-	86,203	-	-	-
Development Programs									
Water	4,158	-	4,158	-	3,096	-	1,062	-	-
Wastewater	19,275	-	19,275	-	9,358	6,644	3,273	-	-
Sub-total	23,433	-	23,433	-	12,454	6,644	4,335	-	-
TOTAL 2021	110,622	986	109,636	-	12,454	92,847	4,335	-	-



CAPITAL BUDGET
WATER/WASTEWATER - CAPITAL

2018
BUDGET & BUSINESS PLAN

2018 - 2027 WATER/WASTEWATER CAPITAL BUDGET (Uninflated 000s)

	GROSS COST	SUBSIDY/ RECOVERY	NET REG RESP	DEVELOPMENT CHARGES		GENERAL RESERVES & OTHERS	CAPITAL INVEST. RESERVE	DEBENTURES	
				NON-RESIDENTIAL	RESIDENTIAL			GROWTH	REG
2022 Non-Development Programs									
Water	60,031	986	59,045	-	-	59,045	-	-	-
Wastewater	70,575	-	70,575	-	-	70,575	-	-	-
Sub-total	130,606	986	129,620	-	-	129,620	-	-	-
Development Programs									
Water	14,913	-	14,913	-	11,204	-	3,709	-	-
Wastewater	10,199	-	10,199	-	2,760	6,546	893	-	-
Sub-total	25,112	-	25,112	-	13,964	6,546	4,602	-	-
TOTAL 2022	155,718	986	154,732	-	13,964	136,166	4,602	-	-
2023 Non-Development Programs									
Water	54,431	986	53,445	-	-	53,445	-	-	-
Wastewater	59,945	-	59,945	-	-	59,945	-	-	-
Sub-total	114,376	986	113,390	-	-	113,390	-	-	-
Development Programs									
Water	143,178	-	143,178	-	107,267	10	35,901	-	-
Wastewater	106,908	-	106,908	-	54,693	33,033	19,182	-	-
Sub-total	250,086	-	250,086	-	161,960	33,043	55,083	-	-
TOTAL 2023	364,462	986	363,476	-	161,960	146,433	55,083	-	-
2024 Non-Development Programs									
Water	59,954	986	58,968	-	-	58,968	-	-	-
Wastewater	62,905	-	62,905	-	-	62,905	-	-	-
Sub-total	122,859	986	121,873	-	-	121,873	-	-	-
Development Programs									
Water	61,630	-	61,630	-	49,448	1,545	10,637	-	-
Wastewater	15,046	-	15,046	-	11,135	-	3,911	-	-
Sub-total	76,676	-	76,676	-	60,583	1,545	14,548	-	-
TOTAL 2024	199,535	986	198,549	-	60,583	123,418	14,548	-	-
2025 Non-Development Programs									
Water	42,128	986	41,142	-	-	41,142	-	-	-
Wastewater	67,923	-	67,923	-	-	67,923	-	-	-
Sub-total	110,051	986	109,065	-	-	109,065	-	-	-
Development Programs									
Water	47,589	-	47,589	-	35,226	40	12,323	-	-
Wastewater	115,701	-	115,701	-	71,592	19,106	25,003	-	-
Sub-total	163,290	-	163,290	-	106,818	19,146	37,326	-	-
TOTAL 2025	273,341	986	272,355	-	106,818	128,211	37,326	-	-



CAPITAL BUDGET
WATER/WASTEWATER - CAPITAL

2018
BUDGET & BUSINESS PLAN

2018 - 2027 WATER/WASTEWATER CAPITAL BUDGET (Uninflated 000s)

	GROSS COST	SUBSIDY/ RECOVERY	NET REG RESP	DEVELOPMENT CHARGES		GENERAL RESERVES & OTHERS	CAPITAL INVEST. RESERVE	DEBENTURES	
				NON-RESIDENTIAL	RESIDENTIAL			GROWTH	REG
2026 Non-Development Programs									
Water	49,564	986	48,578	-	-	48,578	-	-	-
Wastewater	53,373	-	53,373	-	-	53,373	-	-	-
Sub-total	102,937	986	101,951	-	-	101,951	-	-	-
Development Programs									
Water	82,563	-	82,563	-	56,986	6,179	19,398	-	-
Wastewater	66,875	-	66,875	-	47,838	2,302	16,735	-	-
Sub-total	149,438	-	149,438	-	104,824	8,481	36,133	-	-
TOTAL 2026	252,375	986	251,389	-	104,824	110,432	36,133	-	-
2027 Non-Development Programs									
Water	34,052	986	33,066	-	-	33,066	-	-	-
Wastewater	104,704	-	104,704	-	-	104,704	-	-	-
Sub-total	138,756	986	137,770	-	-	137,770	-	-	-
Development Programs									
Water	9,842	-	9,842	-	7,382	-	2,460	-	-
Wastewater	3,671	-	3,671	-	2,716	-	955	-	-
Sub-total	13,513	-	13,513	-	10,098	-	3,415	-	-
TOTAL 2027	152,269	986	151,283	-	10,098	137,770	3,415	-	-
TOTAL Non-Development Programs									
Water	493,988	9,860	484,128	-	-	484,128	-	-	-
Wastewater	550,429	-	550,429	-	-	550,429	-	-	-
Sub-total	1,044,417	9,860	1,034,557	-	-	1,034,557	-	-	-
Development Programs									
Water	501,551	-	501,551	-	372,582	11,411	117,558	-	-
Wastewater	569,770	-	569,770	-	359,643	84,571	125,556	-	-
Sub-total	1,071,321	-	1,071,321	-	732,225	95,982	243,114	-	-
TOTAL 2018-2027	2,115,738	9,860	2,105,878	-	732,225	1,130,539	243,114	-	-

Note: Schedule may not add due to rounding.

HALTON REGION

Budget and Business Plan 2018

Water Non-Development

CAPITAL BUDGET

2018

WATER-CAPITAL

BUDGET & BUSINESS PLAN

NON-DEVELOPMENT		2018 WATER SYSTEM PROJECT LISTING 2018 (000 DOLLARS)								
PROJECT NUMBER	UNIQUE ID	PROJECT DESCRIPTION	GROSS COST	SUBY/ RECOV	REGIONAL RESPONSIBILITY					
					DEVEL. CHGS.		GEN RESERV	CAP INVT RESERV	DEBENTURES	
					NON-RES	RES			GROWTH	REGIONAL
Expansion Activities										
	7646	New Water Meter - 20mm (REG)	791	791						
	7647	New Water Meter - 25mm (REG)	50	50						
	7648	New Water Meter - 40mm (REG)	30	30						
	7652	New Water Meter - 50mm (REG)	35	35						
	7654	New Water Meter - 75mm (REG)	60	60						
	7655	New Water Meter => 100mm (REG)	20	20						
		Sub-total	986	986						
Maintenance Activities										
	7440	Burlington Water Purification Plant Administration Roof (BUR)	600				600			
	7607	Kelso WPP - Greensand Filter Media Replacement (MIL)	60				60			
		Sub-total	660				660			
Non-Infrastructure Solutions										
PR-1660B	5538	WPP Optimization Program (REG)	200				200			
PR-2795	5688	Water Plant Operations Energy Management Program (REG)	265				265			



CAPITAL BUDGET

2018

WATER-CAPITAL

BUDGET & BUSINESS PLAN

NON-DEVELOPMENT		2018 WATER SYSTEM PROJECT LISTING 2018 (000 DOLLARS)						REGIONAL RESPONSIBILITY			
PROJECT NUMBER	UNIQUE ID	PROJECT DESCRIPTION	GROSS COST	SUBY/ RECOV	DEVEL. CHGS.		GEN RESERV	CAP INVT RESERV	DEBENTURES		
					NON-RES	RES			GROWTH	REGIONAL	
PR-2541B	6970	Study and implementation of improvements for the Regions SCADA System Std's (Water) (REG) (WWM)	50				50				
	7203	SCADA Master Plan Review for Water Purification Plants and Distribution Systems - 2018 (REG)	100				100				
	7259	2018 Capital Needs Assessments for Booster Stations and Reservoirs located in Milton and Halton Hills (REG)	350				350				
PR-3079	7346	Asset Management Roadmap Implementation (REG)	100				100				
		Sub-total	1,065				1,065				
		Renewal/Rehabilitation Activities									
	7688	Bailie Booster Station and Yard Piping Renewal (BUR)	412				412				
	7660	Prospect Park Water Purification Plant Fairy Lake Dam Rehabilitation (HHACT)	361				361				
	7606	Kelso WPP-Replacement of entrance road from Tremaine to treatment plant (MIL)	120				120				
	7754	300 mm WM on Fourth Line 70m North of Speers Rd to Rail Road (OAK)	105				105				
PR-2173	5004	Well Based Water System Upgrades (REG)	309				309				
PR-1907	5244	Corrosion Protection Program (REG)	649				649				
	7610	CNA Program-Water Treatment (REG)	350				350				
	7662	Water Maintenance Capital (Treatment) (REG)	833				833				



CAPITAL BUDGET

2018

WATER-CAPITAL

BUDGET & BUSINESS PLAN

NON-DEVELOPMENT		2018 WATER SYSTEM PROJECT LISTING 2018 (000 DOLLARS)								
PROJECT NUMBER	UNIQUE ID	PROJECT DESCRIPTION	GROSS COST	SUBY/ RECOV	REGIONAL RESPONSIBILITY					
					DEVEL. CHGS.		GEN RESERV	CAP INVT RESERV	DEBENTURES	
					NON-RES	RES			GROWTH	REGIONAL
	7664	Water Maintenance Capital (System Services) (REG)	500				500			
		Sub-total	3,639				3,639			
		Replacement Activities								
PR-3154	3014	150mm WM on Arleigh Cres. from Cindy to Cape (BUR) (RR)	835				835			
PR-3151	5997	200mm WM on Ramsgate Rd. from Rexway Dr. to Caplan Cres. (BUR) (RR)	287				287			
PR-3159	6298	200mm WM on Dynes Rd. from Prospect St. to Woodward Ave (BUR) (RR)	594				594			
PR-3155	6315	200mm WM on Cherryhill Cr. from Meadowhill Rd. to Meadowhill Rd. (BUR) (RR)	1,739				1,739			
PR-3159	6327	150mm WM on Valanna Crescent from Goodram Drive to End 150mm WM on Valanna Drive from Goodram Drive to Valanna Crescent (BUR) (RR)	918				918			
PR-3155	6329	200mm WM on Sinclair Cl. 150mm WM on Alconbury Cr. from Sinclair Cl. to Sinclair Cl. 150mm WM on Previn Cr. from Sinclair Cl. to End (BUR) (RR)	3,964				3,964			
PR-3155	6746	300mm WM on Longmoor Dr from North Of hydro Corridor to 114 meters south 150mm,200mm WM on Longmoor Dr from 114 meters south of Hydro Corridor to Appleby Line (BUR) (RR)	2,096				2,096			
PR-3159	7048	150mm WM on Tuck Drive from Spruce Avenue to Cosburn Crescent (BUR) (RR)	917				917			
	7096	200mm WM on Belvenia Rd from New Str to Longmoor Dr (BUR)	228				228			



CAPITAL BUDGET

2018

WATER-CAPITAL

BUDGET & BUSINESS PLAN

NON-DEVELOPMENT		2018 WATER SYSTEM PROJECT LISTING 2018 (000 DOLLARS)			REGIONAL RESPONSIBILITY					
PROJECT NUMBER	UNIQUE ID	PROJECT DESCRIPTION	GROSS COST	SUBY/ RECOV	DEVEL. CHGS.		GEN RESERV	CAP INVT RESERV	DEBENTURES	
					NON-RES	RES			GROWTH	REGIONAL
PR-3196	7101	300mm WM on South Service Road from Century Dr to Syscon Rd (BUR) (RR)	1,100				1,100			
PR-3155	7106	150mm WM on Autumnhill Cres from Snowhill Ct to Driftwood Dr., 150mm WM on Driftwood Dr from Autumnhill Cres to Hemlock Ct (BUR) (RR)	737				737			
PR-3154	7109	200mm WM on Riverside Drive from Sheldon Park to Mullin Way (BUR) (RR)	894				894			
PR-3154	7110	200mm WM on Cindy Lane from Mullin Way to Cape Ave., 200mm WM on Cape Ave from Cindy Lane to Mullin Way, 200mm WM on Joel Ave from Ardleigh Cres to Cape Ave. (BUR) (WWM) (RR)	1,667				1,667			
	7119	200mm WM on Mount Forest Drive /Tavistock Drive from Tait Ave to Guelph Line (BUR) (RR)	199				199			
PR-3155	7134	150mm WM on Cherrywood Drive from Greenwood Dr. to Vanderburgh Dr. (BUR) (RR)	966				966			
PR-3160	7214	150mm,200mm WM on Maple Avenue from north of Hammond Street to Lakeshore Road (BUR) (WWM)(RR)	2,540				2,540			
PR-3162	7406	300mm WM on Harvester Road from Appleby Line to South Service Road westerly (BUR)	1,346				1,346			
PR-3160	7409	300mm WM on Ontario Street from Maple Avenue to Brock Avenue (BUR) (RR)	713				713			
	7742	300mm WM on James Street from Martha St to Elizabeth St (BUR) (RR)	107				107			
	7753	300mm WM on Prospect Street from Guelph Line to Cumberland Ave (BUR) (RR)	224				224			
	6316	200mm WM on Prince Charles Dr. from Windsor Road to Delrex Blvd (HHGEO) (WWM)	344				344			



CAPITAL BUDGET

2018

WATER-CAPITAL

BUDGET & BUSINESS PLAN

NON-DEVELOPMENT		2018 WATER SYSTEM PROJECT LISTING 2018 (000 DOLLARS)						REGIONAL RESPONSIBILITY			
PROJECT NUMBER	UNIQUE ID	PROJECT DESCRIPTION	GROSS COST	SUBY/ RECOV	DEVEL. CHGS.		GEN RESERV	CAP INVT RESERV	DEBENTURES		
					NON-RES	RES			GROWTH	REGIONAL	
PR-3140	6324	150mm WM on Duncan Dr. from Moultre Cr. (north-end) to Weber Dr. (HHGEO) (RR)	743				743				
PR-2658	7611	Georgetown Princess Anne Well Replacement (HHGEO)	110				110				
PR-3152	7262	300mm WM on Ontario Street South from Parkway Drive East to Laurier Avenue (MIL)	1,062				1,062				
PR-3158	7480	400mm WM on Bronte Street from 500m north of Main Street to Steeles Avenue (MIL) (RR)	1,938				1,938				
PR-3122	5663	300mm WM on Iroquois Shore Rd from Trafalgar Rd. to Eighth Line and intersection realignment (OAK) (RR)	1,130				1,130				
PR-3106	6122	300mm WM on Birch Hill from Lakeshore Road to 330m south of Lakeshore Road 200mm WM on Birch Hill from 330m south Lakeshore Road to the cul-de-sac (OAK) (WWM)	685				685				
	6301	150mm WM on Selgrove Cr. from Woodhaven Park Dr. to Woodhaven Park Dr. (OAK) (WWM)	106				106				
PR-3122	6319	300mm WM on Leighland Ave. from Trafalgar Rd. to Sixth Line (OAK)	1,883				1,883				
	7105	300mm WM on Mississauga Street from Rebecca St to Lakeshore Road W (OAK)	2,196				2,196				
PR-3190	7400	SCADA controlled, Actuated Valve and Chamber on 600mm WM on Rebecca Street west of Bronte Road (OAK)	450				450				
	7627	500mm WM on Rebecca Street from Forsythe Street to west bridge abutment (OAK)	72				72				
	6889	Vehicle Replacements (Existing)- Water (REG)	540				540				
PR-3184E	7582	Large Meter Replacement Regular (REG)	560				560				



CAPITAL BUDGET

2018

WATER-CAPITAL

BUDGET & BUSINESS PLAN

NON-DEVELOPMENT		2018 WATER SYSTEM PROJECT LISTING 2018 (000 DOLLARS)								
PROJECT NUMBER	UNIQUE ID	PROJECT DESCRIPTION	GROSS COST	SUBY/ RECOV	REGIONAL RESPONSIBILITY					
					DEVEL. CHGS.		GEN RESERV	CAP INVT RESERV	DEBENTURES	
					NON-RES	RES			GROWTH	REGIONAL
	7630	Shut-Off Valve Replacement Program (REG)	360				360			
	7656	Curb Box Replacement (REG)	100				100			
	7658	Small Water Meter Replacement (<=25mm) (REG)	535				535			
	7659	Intermediate Water Meter Replacement (40 & 50mm) (REG)	265				265			
		Sub-total	35,150				35,150			
		Total	41,500	986			40,514			
		Summary								
		Expansion Activities	986	986						
		Maintenance Activities	660				660			
		Non-Infrastructure Solutions	1,065				1,065			
		Renewal/Rehabilitation Activities	3,639				3,639			
		Replacement Activities	35,150				35,150			
		Grand Total	41,500	986			40,514			



CAPITAL BUDGET

WATER-CAPITAL

2018

BUDGET & BUSINESS PLAN

NON-DEVELOPMENT		2018-2027 WATER FORECAST PROJECT FORECAST LISTING 2018 (000 DOLLARS)											
PR NO	UNIQ ID	PROJECT DESCRIPTION	GROSS COST	GROSS EXPENDITURE BY YEAR									
				2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
Disposal Activities													
	7597	Decommissioning of 200mm WM on Carruthers Road from Promenace Trail to End (HHGEO)	250		50		200						
		Sub-total	250		50		200						
Expansion Activities													
PR-3132	7201	Burlington WPP - Purchase and Installation of Ozone Liquid Storage Tank (BUR)	2,099		2,099								
PR-3147	7411	150mm WM on Adamson Street South from south of Green Street to No 10 Sideroad, 150mm WM on No 10 Sideroad from Adamson Street South to Tenth Line (HHGEO)	1,581			1,581							
PR-3138	7199	300mm WM on North Service Road West from 1333 NSR to 1395 NSR (OAK)	236		236								
	7007	Vehicle - New - Water (REG)	493			36	56	73			328		
	7646	New Water Meter - 20mm (REG)	7,910	791	791	791	791	791	791	791	791	791	791
	7647	New Water Meter - 25mm (REG)	500	50	50	50	50	50	50	50	50	50	50
	7648	New Water Meter - 40mm (REG)	300	30	30	30	30	30	30	30	30	30	30
	7652	New Water Meter - 50mm (REG)	350	35	35	35	35	35	35	35	35	35	35
	7654	New Water Meter - 75mm (REG)	600	60	60	60	60	60	60	60	60	60	60
	7655	New Water Meter => 100mm (REG)	200	20	20	20	20	20	20	20	20	20	20
		Sub-total	14,269	986	3,321	2,603	1,042	1,059	986	1,314	986	986	986
Maintenance Activities													



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NON-DEVELOPMENT				2018-2027 WATER FORECAST PROJECT FORECAST LISTING 2018 (000 DOLLARS)									
PR NO	UNIQ ID	PROJECT DESCRIPTION	GROSS COST	GROSS EXPENDITURE BY YEAR									
				2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
	7440	Burlington Water Purification Plant Administration Roof (BUR)	600	600									
	7607	Kelso WPP - Greensand Filter Media Replacement (MIL)	720	60	180	480							
	7609	Kelso WPP - Settling Tank (MIL)	600		600								
		Sub-total	1,920	660	780	480							
Non-Infrastructure Solutions													
	7623	Capital Needs Assessment for Booster Stations and Reservoirs located in Oakville (OAK)	350										350
PR-1660B	5538	WPP Optimization Program (REG)	2,000	200	200	200	200	200	200	200	200	200	200
PR-2795	5688	Water Plant Operations Energy Management Program (REG)	265	265									
PR-2541B	6970	Study and implementation of improvements for the Regions SCADA System Std's (Water) (REG) (WWM)	50	50									
	7203	SCADA Master Plan Review for Water Purification Plants and Distribution Systems - 2018 (REG)	200	100					100				
	7259	2018 Capital Needs Assessments for Booster Stations and Reservoirs located in Milton and Halton Hills (REG)	350	350									
PR-3079	7346	Asset Management Roadmap Implementation (REG)	200	100	100								
PR-3179	7425	Capital Needs Assessment of Elevated Storage Facilities (REG)	250										250
	7463	Capital Needs Assessment for Booster Stations and Reservoirs located in Burlington (REG)	350									350	



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NON-DEVELOPMENT		2018-2027 WATER FORECAST PROJECT FORECAST LISTING 2018 (000 DOLLARS)												
PR NO	UNIQ ID	PROJECT DESCRIPTION	GROSS COST	GROSS EXPENDITURE BY YEAR										
				2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	
	7464	2027 Capital Needs Assessments for Booster Stations and Reservoirs located in Milton and Halton Hills (REG)	350											350
	7635	Field and Bench Scale Testing to Support Water Model Refinement (REG)	25					25						
		Sub-total	4,390	1,065	300	200	200	225	300	200	200	550	1,150	
Renewal/Rehabilitation Activities														
	7299	Kingsway Booster Station and Yard Piping Renewal (BUR)	1,235		206		1,029							
	7301	Waterdown Booster Station and Yard Piping Renewal (BUR)	654			109		545						
	7414	Replacement of piping and addition of flow paced re-chlorination and meter at Headon Reservoir (BUR)	278			41		237						
	7614	Appleby Line Reservoir and Rechlorination Facility Renewal (BUR)	2,376			475		1,901						
	7615	Mount Forest Reservoir and Booster Station Renewal (BUR)	1,386			277		1,109						
	7688	Bailie Booster Station and Yard Piping Renewal (BUR)	2,470	412		2,058								
	7743	Installation of Waterproofing Membrane on Cell No.1 & No.2 at Bailie Reservoir (BUR)	639			639								
	7660	Prospect Park Water Purification Plant Fairy Lake Dam Rehabilitation (HHACT)	361	361										
	7619	Norval Tower Upgrades (HHGEO)	714		144		570							
	7051	Non-structural lining of 500mm CPP WM on James Snow Parkway from Holgate Cres. W. to east side of Boston Church Rd (MIL)	2,490		2,490									



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NON-DEVELOPMENT			2018-2027 WATER FORECAST PROJECT FORECAST LISTING 2018 (000 DOLLARS)										
PR NO	UNIQ ID	PROJECT DESCRIPTION	GROSS COST	GROSS EXPENDITURE BY YEAR									
				2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
	7123	Zone 5 Elevated Storage Tank Structural Upgrades (MIL)	617			617							
	7606	Kelso WPP-Replacement of entrance road from Tremaine to treatment plant (MIL)	2,460	120		240	420		1,680				
	7298	Eighth Line Zone 3 Booster Station and Yard Piping Renewal (OAK)	2,501		417		2,084						
	7412	Replacement of piping and addition of flow paced re-chlorination and meter at Moore Reservoir (OAK)	288		51		237						
	7626	Eight Line Zone 4 Booster Station, Reservoir & Rechlorination Facility Renewal (OAK)	3,236		647		2,589						
	7636	Davis Road Booster Station Renewal (OAK)	12,672		2,534		10,138						
	7754	300 mm WM on Fourth Line 70m North of Speers Rd to Rail Road (OAK)	105	105									
PR-2173	5004	Well Based Water System Upgrades (REG)	3,191	309	643	309	334	206	206	257	309	309	309
PR-1907	5244	Corrosion Protection Program (REG)	9,649	649	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000
PR-3116	7286	Region wide Air Release Valve Chamber Venting retrofits Program for mains 400mm and larger (REG)	2,468		617	617	617	617					
	7610	CNA Program-Water Treatment (REG)	350	350									
	7662	Water Maintenance Capital (Treatment) (REG)	14,333	833	1,500	1,500	1,500	1,500	1,500	1,500	1,500	1,500	1,500
	7664	Water Maintenance Capital (System Services) (REG)	5,000	500	500	500	500	500	500	500	500	500	500
Sub-total			69,473	3,639	10,749	8,382	21,018	7,615	4,886	3,257	3,309	3,309	3,309
Replacement Activities													



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NON-DEVELOPMENT				2018-2027 WATER FORECAST PROJECT FORECAST LISTING 2018 (000 DOLLARS)									
PR NO	UNIQ ID	PROJECT DESCRIPTION	GROSS COST	GROSS EXPENDITURE BY YEAR									
				2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
PR-3154	3014	150mm WM on Ardleigh Cres. from Cindy to Cape (BUR) (RR)	835	835									
	4525	300mm WM on Hampton Heath Rd from Norrie Cres (N) to Windermere Dr (BUR)	962		140		822						
	4527	250mm WM on Brant St from Bluefields Dr to Mount Forest Dr 250mm WM on Mount Forest Dr from Brant St to Royal Dr (BUR) (RR)	974			142		832					
	4597	300mm WM on Brant St from 100m North of Churchill Av to Plains Rd E. (BUR) (RR)	587			85		502					
	4598	300mm WM on Brant St from Mount Forest Dr to 120m South of N.Service Rd (BUR) (RR)	573			83		490					
PR-2946B	5993	200mm WM on Flatt Rd. from Waterdown Rd. to 35 meter west of Flatt Rd. intersection (BUR) (RR)	719		719								
PR-3151	5997	200mm WM on Ramsgate Rd. from Rexway Dr. to Caplan Cres. (BUR) (RR)	824	287	537								
PR-3151	6006	300mm WM on Rexway Dr. from Woodview Rd to Walkers Line (BUR) (RR)	1,277		1,277								
PR-3151	6008	200mm WM on Geneva Park from Thornwood Ave. to Thornwood Ave., 150mm WM on Geneva Pl. from Geneva Park to End, 150mm WM on Windsor Ct. from Geneva Park to End (BUR) (RR)	1,037			1,037							
	6074	200mm WM on Linmouth Tr. from Falmouth Tr. to Faversham Ave. (BUR)	816		122		694						
PR-3151	6076	200mm WM on Montego Cr. from Ramsgate Rd. to Ramsgate Rd. (BUR) (RR)	668		668								
PR-3151	6085	200mm WM on Glen Moor Cr. from MacLaren Dr. to MacLaren Dr. (BUR)	574		574								



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NON-DEVELOPMENT			2018-2027 WATER FORECAST PROJECT FORECAST LISTING 2018 (000 DOLLARS)										
PR NO	UNIQ ID	PROJECT DESCRIPTION	GROSS COST	GROSS EXPENDITURE BY YEAR									
				2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
PR-3151	6101	200mm WM on Thornwood Ave. from Rexway Dr. to Rockwood Dr. (BUR) (RR)	699			699							
	6135	200mm WM on Woodvale Place from Parkgate Crescent to End (BUR)	492		72		420						
	6260	300mm WM on Tyandaga Park Dr. from Kerns Rd. to Frontenac Pl. (BUR) (RR)	1,037			151		886					
	6262	300mm WM on Mainway from Guelph Line to Walkers Line (BUR) (RR)	3,688				538			3,150			
PR-3151	6264	150mm WM on Braemore Pl. from Braemore Rd. to End (BUR) (RR)	208			208							
	6265	150mm WM on Thomas Ct. from Bromley Road to End (BUR) (RR)	392				57			335			
	6278	200mm WM on Devlin Dr. from Cavendish Dr. to Sheffield Dr. (BUR) (RR)	693				101			592			
	6280	300mm WM on Cumberland Av. from New St. to Rexway Dr. (BUR) (RR)	1,080			157		923					
PR-2946B	6284	150mm WM on Ireson Rd. from Waterdown Rd. to End (BUR) (RR)	211		211								
	6285	150mm WM on Belfast Ave. from Wicklow Rd. to Tipperary Ave. (BUR) (RR)	421		61		360						
	6286	200mm WM on Fairway Ct. from Tyandaga Park Dr. to End. (BUR)	275			40		235					
	6287	250mm WM on Regency Ct. from Prospect St. to End (BUR) (RR)	324				51			273			
	6292	150mm WM on Blue Forest Hill from Bridle Wood to Pinedale Ave. (BUR) (RR)	374			55		319					



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NON-DEVELOPMENT			2018-2027 WATER FORECAST PROJECT FORECAST LISTING 2018 (000 DOLLARS)										
PR NO	UNIQ ID	PROJECT DESCRIPTION	GROSS COST	GROSS EXPENDITURE BY YEAR									
				2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
PR-3151	6293	150mm WM on Reeves Rd. from White Pines Dr. to Cheltenham Rd. (BUR)	494		72		422						
	6294	200mm WM on Woodview Rd. from Maclaren Dr. to Rexway Dr. (BUR) (RR)	501			501							
PR-3159	6295	200mm WM on Francis Rd. from Glenview Ave. to Plains Rd. (BUR)	1,139		166		973						
	6298	200mm WM on Dynes Rd. from Prospect St. to Woodward Ave (BUR) (RR)	594	594									
PR-3146	6303	200mm WM on Havendale Blvd. from Winchester Ct. to Brant St. (BUR)	871		128		743						
	6304	150mm WM on Verhoeven Rd. from Bromley Rd. to White Pines Dr. 150mm WM on Brewer Ct. from Verhoeven Rd. to End, 150mm WM on Broughton Cres. from Verhoeven Rd. to Verhoeven Rd. (BUR) (RR)	1,307		1,307								
PR-3151	6306	200mm WM on Rockwood Dr. from Jennifer Cr. to Walkers Line (BUR) (RR)	707			707							
PR-3151	6308	200mm WM on MacLaren Dr. from Woodview Rd. to Rexway Dr. (BUR) (WWM) (RR)	762		762								
PR-3146	6312	200mm WM on Bromley Rd. from Kenwood Ave. to White Pines Dr. (BUR) (RR)	896		896								
PR-3155	6315	200mm WM on Cherryhill Cr. from Meadowhill Rd. to Meadowhill Rd. (BUR) (RR)	1,739	1,739									
PR-3099	6326	150mm WM on Green Meadow Dr. from Heather Hills Dr. to Heather Hills Dr. (BUR) (RR)	629		629								
PR-3159	6327	150mm WM on Valanna Crescent from Goodram Drive to End 150mm WM on Valanna Drive from Goodram Drive to Valanna Crescent (BUR) (RR)	918	918									



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NON-DEVELOPMENT			2018-2027 WATER FORECAST PROJECT FORECAST LISTING 2018 (000 DOLLARS)										
PR NO	UNIQ ID	PROJECT DESCRIPTION	GROSS COST	GROSS EXPENDITURE BY YEAR									
				2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
	6328	150mm WM on Turner Dr. from Bennett Rd. to Longmoor Dr. (BUR)	993		145		848						
PR-3155	6329	200mm WM on Sinclair Cl. 150mm WM on Alconbury Cr. from Sinclair Cl. to Sinclair Cl. 150mm WM on Previn Crt. from Sinclair Cl. to End (BUR) (RR)	3,964	3,964									
PR-3100	6337	300mm WM on Ester Dr. from Brant St. to Janina Blvd. (BUR) (RR) (WWM)	1,738		1,738								
PR-3099	6342	200mm WM on Beaufort Dr. from Somerset Dr. to 175m West of Somerset Dr. (BUR)	275			275							
PR-3155	6746	300mm WM on Longmoor Dr from North Of hydro Corridor to 114 meters south 150mm,200mm WM on Longmoor Dr from 114 meters south of Hydro Corridor to Appleby Line (BUR) (RR)	2,096	2,096									
PR-3100	6859	150mm WM on Janina Boulevard from Ester Drive to Humphreys Crescent (north-end) and Install Pressure Reducing & Check Valve (BUR) (WWM) (RR)	404		404								
PR-2946B	6946	300mm WM on Waterdown Road from Mountainbrow Rd to Waterdown BS (BUR) (RR)	2,114		2,114								
PR-3029	7027	300mm WM on Glenwood School Drive from Guelph Line to Queensway Drive, 400mm WM on Harvester Road from Guelph Line to South Service Road/Laurentian Drive (BUR) (RR)	1,699		1,699								
PR-3099	7034	200mm WM on Majestic Drive from Palmer Drive to Centennial Drive (BUR)	648			648							
	7037	600mm WM on Queensway Drive from Brenda Crescent to Guelph Line Easement (BUR)	2,646			386		2,260					
PR-3100	7038	150mm WM on Janina Blvd from Humprey's Cres (North) to End (BUR) (RR)	1,150		1,150								



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NON-DEVELOPMENT			2018-2027 WATER FORECAST PROJECT FORECAST LISTING 2018 (000 DOLLARS)										
PR NO	UNIQ ID	PROJECT DESCRIPTION	GROSS COST	GROSS EXPENDITURE BY YEAR									
				2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
PR-3159	7048	150mm WM on Tuck Drive from Spruce Avenue to Cosburn Crescent (BUR) (RR)	917	917									
	7096	200mm WM on Belvenia Rd from New Str to Longmoor Dr (BUR)	1,566	228		1,338							
PR-3196	7101	300mm WM on South Service Road from Century Dr to Syscon Rd (BUR) (RR)	1,100	1,100									
	7104	300mm WM on Palmer Drive from Guelph Line to Centennial Dr (BUR) (RR)	1,717			251		1,466					
PR-3155	7106	150mm WM on Autumnhill Cres from Snowhill Ct to Driftwood Dr., 150mm WM on Driftwood Dr from Autumnhill Cres to Hemlock Ct (BUR) (RR)	737	737									
PR-3154	7109	200mm WM on Riverside Drive from Sheldon Park to Mullin Way (BUR) (RR)	894	894									
PR-3154	7110	200mm WM on Cindy Lane from Mullin Way to Cape Ave., 200mm WM on Cape Ave from Cindy Lane to Mullin Way, 200mm WM on Joel Ave from Ardleigh Cres to Cape Ave. (BUR) (WWM) (RR)	1,667	1,667									
PR-3146	7111	300mm WM on Coldstream Drive from Duncaster Dr to Melissa Cres (BUR) (RR)	962		962								
	7119	200mm WM on Mount Forest Drive /Tavistock Drive from Tait Ave to Guelph Line (BUR) (RR)	1,365	199		1,166							
	7120	300mm WM on Newlands Cres from Palmer Dr to Palmer Dr., 150mm WM on Epping Rd from Newlands Cres to Newlands Cres (BUR) (RR)	2,004				292		1,712				
	7126	450mm WM on North Service Road from Brant Street to West of Kerns Road (BUR)	1,565		228		1,337						



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NON-DEVELOPMENT		2018-2027 WATER FORECAST PROJECT FORECAST LISTING 2018 (000 DOLLARS)											
PR NO	UNIQU ID	PROJECT DESCRIPTION	GROSS COST	GROSS EXPENDITURE BY YEAR									
				2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
PR-3155	7134	150mm WM on Cherrywood Drive from Greenwood Dr. to Vanderburgh Dr. (BUR) (RR)	966	966									
PR-3160	7214	150mm,200mm WM on Maple Avenue from north of Hammond Street to Lakeshore Road (BUR) (WWM)(RR)	2,540	2,540									
PR-3100	7325	150mm WM on Humphreys Crescent from Janina Boulevard to Janina Boulevard (BUR) (RR) (WWM)	700		700								
	7331	Burlington WPP - Replacement of Ozone Generators (2) (BUR)	4,034			360		1,837			1,837		
PR-3163	7399	300mm WM on Truman Street from Churchill Avenue to north End and Abandon easement north of Churchill Avenue (BUR)	243		243								
	7405	Second Feed on Tyandaga Park from Kerns Road to Easement (BUR) (RR)	542			79		463					
PR-3162	7406	300mm WM on Harvester Road from Appleby Line to South Service Road westerly (BUR)	1,346	1,346									
PR-3151	7408	300mm WM on Rexway Drive from Cumberland Avenue to Woodview Road (BUR) (RR) (WWM)	758		758								
PR-3160	7409	300mm WM on Ontario Street from Maple Avenue to Brock Avenue (BUR) (RR)	713	713									
	7410	300mm WM on Tyandaga Park from Frontenac Place to Brant Street (BUR) (RR)	1,589			224		1,365					
	7441	Burlington Water Purification Plant Exterior Metal Siding Cladding (BUR)	154		154								
PR-3171	7446	Burlington WPP High Lift and Low Lift Pump Station Upgrades (BUR)	8,233		8,233								
PR-3151	7458	150mm WM on Jennifer Crescent from Ronald Drive to Manfred Drive (BUR) (RR)	422			422							



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NON-DEVELOPMENT			2018-2027 WATER FORECAST PROJECT FORECAST LISTING 2018 (000 DOLLARS)											
PR NO	UNIQ ID	PROJECT DESCRIPTION	GROSS COST	GROSS EXPENDITURE BY YEAR										
				2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	
PR-3150	7462	300mm WM on Waterdown Road from Waterdown Booster Station to 50m south of Craven Avenue (BUR) (RR)	643		643									
	7558	Construction of 200,300 mm WM on John Street from Caroline Street to 30 m south of James Street (ID 6410, 6171) (BUR) (RR)	675				675							
	7562	Construction of 150mm WM on Wicklow Road from Limerick Road to 40m south of Belfast Street (ID 6274) (BUR) (RR)	703			703								
	7691	300 mm and 400 mm WM Replacements at intersection of Harvester Road and Appleby Line (BUR) (RR)	194										194	
	7692	Waterdown Reservoir - Valve and piping replacements (BUR)	672					12	132			528		
	7700	Brant Street Pump Station Upgrades/Replacement (BUR)	2,640									2,640		
	7710	Vertical Water - Water Purification Plants - Burlington WPP (BUR)	102,332					13,622	9,395	30,592	13,713	25,342	9,668	
	7732	300mm WM on Lakeshore Road from Elizabeth Street to Martha Street (BUR)	599						88		511			
	7735	300mm WM on Prospect Street and Guelph Line Intersection (BUR)	247		247									
	7742	300mm WM on James Street from Martha St to Elizabeth St (BUR) (RR)	732	107		625								
PR-3058B	7744	250mm WM on Havendale Blvd from Rosseau Place to End (BUR)	605				605							
	7753	300mm WM on Prospect Street from Guelph Line to Cumberland Ave (BUR) (RR)	1,536	224	1,312									



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NON-DEVELOPMENT			2018-2027 WATER FORECAST PROJECT FORECAST LISTING 2018 (000 DOLLARS)										
PR NO	UNIQ ID	PROJECT DESCRIPTION	GROSS COST	GROSS EXPENDITURE BY YEAR									
				2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
PR-2808	6248	150mm WM on Peel St. from Wellington St. to Churchill Rd. (HHACT)	823				823						
	6261	300mm WM on Commerce Cr. from Wallace St. to End (HHACT)	1,420		208		1,212						
	7103	300mm WM on Third Line from McDonald Blvd to Acton Reservoir (HHACT) (RR)	5,768				841		4,927				
	7706	Vertical Water - Water Purification Plants - Fourth Line (HHACT)	2,611					761	469	411	332	254	384
	7707	Vertical Water - Water Purification Plants - Davidson (HHACT)	2,012					462	462	272	272	272	272
	7712	Vertical Water - Water Purification Plants - Prospect Park (HHACT)	211					44	44	33	31	30	29
	6001	150mm WM on Marilyn Cr. from Torino Gt. to Torino Gt (HHGEO) (WWM)	1,375		200		1,175						
	6070	200mm WM on Pennington Cr. from Mountainview Rd. to End (HHGEO)	1,115		163		952						
PR-3082	6080	200mm WM on Joycelyn Cr. from Hyland Ave. to Moore Park Cr. (HHGEO)	1,243			1,243							
PR-3082	6086	200mm WM on Eleanor Cr. from Moore Park Cr. to End (HHGEO)	761			761							
	6092	200mm WM on Delrex Blvd. from Mountainview Rd. to Chelvin Dr. (HHGEO)	3,807		555		3,252						
PR-3082	6099	150mm WM on Hyland Ave from Highway 7 to Joycelyn Cr. (HHGEO)	315			315							
	6316	200mm WM on Prince Charles Dr. from Windsor Road to Delrex Blvd (HHGEO) (WWM)	2,361	344		2,017							



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NON-DEVELOPMENT		2018-2027 WATER FORECAST PROJECT FORECAST LISTING 2018 (000 DOLLARS)											
PR NO	UNIQ ID	PROJECT DESCRIPTION	GROSS COST	GROSS EXPENDITURE BY YEAR									
				2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
PR-3140	6324	150mm WM on Duncan Dr. from Moultre Cr. (north-end) to Weber Dr. (HHGEO) (RR)	743	743									
	7055	150mm WM on Campbell Gate from Prince Charles Drive to Mountainview Road South (HHGEO) (WWM)	365		53			312					
PR-3082	7211	150mm WM on Arletta Street from Ewing Street to north End (HHGEO) (WWM)	352			352							
PR-3178	7449	Upgrades to Cedarvale WellHouses 1A, 3A and 4/4A (HHGEO)	226		226								
PR-3082	7461	150mm WM on Uplands Court from Hyland Avenue to End (HHGEO)	170			170							
PR-2657B	7482	150mm WM on Easement from Highway 7 to South of 22 Side Road (HHGEO)	412			412							
PR-2658	7611	Georgetown Princess Anne Well Replacement (HHGEO)	110	110									
	7620	150mm WM on Ontario Street from Ewing Street to 100m North (HHGEO) (WWM)	272			60		212					
	7703	Vertical Water - Water Purification Plants - North WPP Georgetown (HHGEO)	1,628					312	312	339	281	221	163
	7704	Vertical Water - Water Purification Plants - Lindsay Court (HHGEO)	1,300					66	66	129	129	455	455
	7713	Vertical Water - Water Purification Plants - Princess Anne (HHGEO)	2,008					70	70	70	70	70	1,658
PR-2907	6199	300mm WM on McGeachie Drive from Harrop Drive to End (MIL) (RR) (WWM)	412			412							
PR-2907	6250	300mm WM on Harrop Dr. from Steeles Avenue to Highway 401 (MIL)	617			617							



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NON-DEVELOPMENT				2018-2027 WATER FORECAST PROJECT FORECAST LISTING 2018 (000 DOLLARS)										
PR NO	UNIQ ID	PROJECT DESCRIPTION	GROSS COST	GROSS EXPENDITURE BY YEAR										
				2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	
PR-3152	7262	300mm WM on Ontario Street South from Parkway Drive East to Laurier Avenue (MIL)	1,062	1,062										
PR-3158	7480	400mm WM on Bronte Street from 500m north of Main Street to Steeles Avenue (MIL) (RR)	1,938	1,938										
	7622	Service Connection Improvements at 1151 Louis St Laurent Avenue Kielburger Secondary School (MIL)	399				80			319				
	7705	Vertical Water - Water Purification Plants - Kelso (MIL)	7,932					345		345	1,295	1,295	2,281	2,371
	7708	Vertical Water - Water Purification Plants - Campbellville (MIL)	1,057					230		230	198	165	133	101
	7711	Vertical Water - Water Purification Plants - Walkers Line (MIL)	475					70		70	76	69	99	91
	4567	300mm WM on Shepherd Rd from Kerr St to Speers Rd (OAK) (RR)	400				59			341				
	5556	150mm WM on West St from Riverview St. to Victoria St. , and 150mm WM on Victoria St. from West St. to Mississauga St. (OAK)	629		92		537							
PR-3122	5663	300mm WM on Iroquois Shore Rd from Trafalgar Rd. to Eighth Line and intersection realignment (OAK) (RR)	1,130	1,130										
PR-3106	6122	300mm WM on Birch Hill from Lakeshore Road to 330m south of Lakeshore Road 200mm WM on Birch Hill from 330m south Lakeshore Road to the cul-de-sac (OAK) (WWM)	685	685										
	6126	200mm WM on Donessle Drive from Esselmont Avenue to End 200mm WM on Esselmont Avenue from Donessle Drive to Chartwell Road (OAK)	504		74		430							
	6131	200mm WM on Stills Lane from Devon Road to End (OAK)	330		51		279							



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NON-DEVELOPMENT			2018-2027 WATER FORECAST PROJECT FORECAST LISTING 2018 (000 DOLLARS)										
PR NO	UNIQ ID	PROJECT DESCRIPTION	GROSS COST	GROSS EXPENDITURE BY YEAR									
				2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
PR-3005	6134	200mm WM on Wood Place from Tower Drive to End (OAK)	266		51		215						
	6232	300mm WM on Normandy Place from Kerr Street to End (OAK)	864		864								
	6269	150mm WM on Devon Rd. from Donnybrook Rd. to Brookmille Rd. (OAK)	634		92		542						
PR-2838	6276	150mm WM on Holton Heights Dr. from Hillview Cr. to Falgarwood Dr. (OAK)	1,478		215		1,263						
	6282	300mm WM on North Service Rd. from 350 m East of Iroquois Shore Rd. to 200 m West of Invicta Dr. (OAK) (RR)	906		906								
	6301	150mm WM on Selgrove Cr. from Woodhaven Park Dr. to Woodhaven Park Dr. (OAK) (WWM)	727	106		621							
PR-3122	6319	300mm WM on Leighland Ave. from Trafalgar Rd. to Sixth Line (OAK)	1,883	1,883									
PR-3005	6333	200mm WM on John St. from Brock St. to Forsythe St. (OAK) (WWM)	1,421		1,421								
	6336	150mm WM on Stanfield Dr. from Bridge Rd. to Rebecca St. (OAK)	925		135		790						
	6348	150mm WM on Orsett St. from Sixth Line to End (OAK)	771		112		659						
PR-2838	7024	300mm WM on Lakeshore Road West from Solingate Dr to 80 m East of East St (OAK) (RR)	625				92		533				
	7032	300mm WM on Invicta Drive from North Service Road East to 1140 North Service Rd (OAK) (RR)	365		365								
	7033	150mm WM on Ennisclaire Drive from Lakeshore Road E to Lakeshore Road E (OAK)	1,386		202		1,184						



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NON-DEVELOPMENT			2018-2027 WATER FORECAST PROJECT FORECAST LISTING 2018 (000 DOLLARS)										
PR NO	UNIQ ID	PROJECT DESCRIPTION	GROSS COST	GROSS EXPENDITURE BY YEAR									
				2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
PR-3137	7041	150mm WM on Lees Lane from Summerlea St to Pine Grove Rd (OAK) (WWM)	1,905				278		1,627				
	7075	200m, 300mm WM from Oakville W.P.P., both branches from Plant to Wilson Street (OAK)	155				23	132					
	7099	300mm WM on Speers Road from Kerr St to 150m East (OAK)	317				317						
	7105	300mm WM on Mississauga Street from Rebecca St to Lakeshore Road W (OAK)	2,196	2,196									
	7107	150mm WM on Howard Ave from Carson Lane to Esplande Drive (OAK) (WWM)	468			68		400					
PR-3190	7137	300mm WM on Rimmington Drive from Munn's Ave to End (OAK)	623		122		501						
	7400	SCADA controlled, Actuated Valve and Chamber on 600mm WM on Rebecca Street west of Bronte Road (OAK)	450	450									
PR-3149	7407	300mm WM on Lakeshore Road from Navy Street to Allan Road (OAK) (RR) (WWM)	1,718		1,718								
	7456	Burloak WPP - Replace Zebra Mussel Chlorination and Sampling Lines (Intake) (OAK)	3,087		3,087								
	7624	150mm WM on St. Augustine Drive from Speers Road to Elmwood Road (OAK)	769		154		615						
	7625	150mm,200mm WM on McCraney Street from Richmond Road to 100m south of Montclair Drive (OAK)	5,183		1,037		4,146						
	7627	500mm WM on Rebecca Street from Forsythe Street to west bridge abutment (OAK)	324	72		252							
	7695	150mm WM on Secord Avenue from Sherin Drive to Sandhurst Drive (OAK)	566					566					



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NON-DEVELOPMENT		2018-2027 WATER FORECAST PROJECT FORECAST LISTING 2018 (000 DOLLARS)											
PR NO	UNIQ ID	PROJECT DESCRIPTION	GROSS COST	GROSS EXPENDITURE BY YEAR									
				2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
	7698	150mm WM on Bomorda Drive from Leighland Ave. to Germorda Dr. (OAK)	424					424					
	7699	150mm WM on Churchill Ave from Leighland Ave to North Service (OAK)	405					405					
	7702	Vertical Water - Water Purification Plants - Oakville WPP (OAK)	2,663					935	550	443	344	245	146
	7709	Vertical Water - Water Purification Plants - Burloak WPP (OAK)	433					83	83	62	55	78	72
	7736	150mm WM on Saxon Rd. from Swan Dr. to Seabrook Dr. (OAK)	949				949						
	7737	150mm WM on Water Street from William Street to Robinson Street 150mm WM on Robinson Street from Water Street to Navy Street (OAK)	553		75		478						
	7748	200mm WM on Seabrook Dr. from Saxon Rd. to Swan Drive 200mm WM on Swan Drive from Seabrook Drive to Saxon Road, 200mm WM on Seaton from Bridge Rd to Seabrook Dr, 200mm WM on Saxon from Trafford Cres to Saxon Road (OAK)	1,622				1,622						
	6889	Vehicle Replacements (Existing)- Water (REG)	7,310	540	862	442	532	800	1,056	1,335	543	795	405
PR-3184E	7582	Large Meter Replacement Regular (REG)	5,861	560	762	563	564	565	567	568	569	571	572
	7630	Shut-Off Valve Replacement Program (REG)	1,440	360	360	360	360						
	7656	Curb Box Replacement (REG)	3,550	100	250	400	400	400	400	400	400	400	400
	7658	Small Water Meter Replacement (<=25mm) (REG)	23,232	535	1,169	1,853	2,157	2,360	4,272	5,705	2,268	1,833	1,080



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NON-DEVELOPMENT				2018-2027 WATER FORECAST PROJECT FORECAST LISTING 2018 (000 DOLLARS)									
PR NO	UNIQ ID	PROJECT DESCRIPTION	GROSS COST	GROSS EXPENDITURE BY YEAR									
				2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
	7659	Intermediate Water Meter Replacement (40 & 50mm) (REG)	2,929	265	270	275	281	287	293	298	304	340	316
	7701	Vertical Water - Pump Stations (REG)	168					14	14	35	35	35	35
	7715	Watermain Renewals - 150 mm Cast Iron Cohort (REG)	50,013					9,219	8,836	8,477	8,139	7,821	7,521
	7726	Other Public Works Assets - Water (REG)	1,608					268	268	268	268	268	268
	7727	Vertical Water - Bulk Water Stations (REG)	595					159	159	67	75	74	61
	7728	Vertical Water Life Cycle Model - Wells (REG)	8,869					1,596	2,022	1,633	1,386	1,181	1,051
	7729	Vertical Water - Tower (REG)	15,631					4,308	4,308	1,945	1,870	1,717	1,483
	7730	Vertical Water - Reservoirs (REG)	105					27	27	21	15	10	5
		Sub-total	403,686	35,150	41,153	25,304	36,546	51,132	48,259	55,183	37,633	44,719	28,607
		Total Required Financing	493,988	41,500	56,353	36,969	59,006	60,031	54,431	59,954	42,128	49,564	34,052



HALTON REGION

Budget and Business Plan 2018

Water Development

CAPITAL BUDGET

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DEVELOPMENT		2018 WATER SYSTEM PROJECT LISTING 2018 (000 DOLLARS)						REGIONAL RESPONSIBILITY			
PROJECT NUMBER	UNIQUE ID	PROJECT DESCRIPTION	GROSS COST	SUBY/ RECOV	DEVEL. CHGS.		GEN RESERV	CAP INVT RESERV	DEBENTURES		
					NON-RES	RES			GROWTH	REGIONAL	
<u>Expansion Activities</u>											
	6709	300mm WM on Plains Rd East from north of Grandview Rd to twinned section on Plains (BUR)	492			374		118			
	6608	750mm WM on Trafalgar from 15th Siderd to 22nd Siderd Lake Based Reservoir (Zone G6L) (HHGEO)	2,533			1,874		659			
	6611	600mm WM on No 10 Siderd from 8th Line to 9th Line (Zone G6L) (HHGEO)	612			453		159			
	6612	600mm WM on No 10 Siderd from 9th Line to 10th Line (Zone G6L) (HHGEO)	691			511		180			
	6654	750mm WM on on Trafalgar Rd from 10th Siderd to approximately 1,700 m north of 10th Siderd (Zone G6L) (HHGEO)	840			622		218			
	6655	750mm WM on Trafalgar from 1,700 m north of 10th Siderd to 15th Siderd (Zone G6L) (HHGEO)	753			557		196			
	6735	300 mm replacement on Guelph St between Mountainview Rd North and Sinclair Ave (HHGEO)	391			297		94			
	7499	2 system PRV's on Mountain View and Eighth Line at the creek (Georgetown Lakebased Transfer Implementation) (Construction) (HHGEO)	69			52		17			
	6318	300mm WM on No 14 Siderd from Tremaine Rd. to Milton Reservoir (Zone M5G) (MIL)	279			52	209	18			
PR-3153	6721	300mm WM on Ontario Street South from Main Street East to Parkway Drive East (MIL)	1,666			1,266		400			
PR-3153	6722	300mm WM on Woodward Avenue between Martin Street and Ontario Street North (MIL)	1,366			1,038		328			



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DEVELOPMENT		2018 WATER SYSTEM PROJECT LISTING 2018 (000 DOLLARS)						REGIONAL RESPONSIBILITY			
PROJECT NUMBER	UNIQUE ID	PROJECT DESCRIPTION	GROSS COST	SUBY/ RECOV	DEVEL. CHGS.		GEN RESERV	CAP INVT RESERV	DEBENTURES		
					NON-RES	RES			GROWTH	REGIONAL	
	7500	Milton West Looping - 400mm WM on Derry Rd from Santa Maria Blvd. to Bronte St South, and a 400 mm WM on Main St West from Scott Blvd. to Tremaine Road. (MIL)	579			418	29	132			
	7504	1200mm WM on Britannia Rd from 4th Line to RR 25 (Zone M4) - Construction (MIL)	25,000			20,580		4,420			
	7513	4th Line Pumping Station alterations to support Zone 3/4/5 Boundary Re-alignment (MIL)	377			269	19	89			
PR-3067	3713	400mm WM on Burnhamthorpe Rd from Trafalgar Rd to new North Oakville road (Zone O4) (Design) (OAK)	468			346		122			
	4983	400mm WM on new North Oakville road from Burnhamthorpe Rd to Dundas St (Zone O4) (Design) (OAK)	635			470		165			
PR-3120	6684	Construction of Oakville WPP Re-rating from 109 to 130 ML/d (OAK)	10,000			6,750	1,000	2,250			
	6726	300mm WM on Sovereign St between Bronte Rd and East St (OAK)	419			318		101			
PR-2388B	7284	400mm WM and valve chamber to be constructed on Neyagawa Blvd. (RR 4) (OAK)	223			165		58			
PR-2263B	7357	400mm WM on Sixth Line from the proposed William Halton Parkway (RR 40) to southward approximately 300m (OAK)	270			200		70			
	7497	400mm WM on Sixth Line from approximately 300m southward of William Halton Parkway (RR 40) to Burnhamthorpe Rd (OAK)	642			475		167			
	7503	300 mm WM on Sixth Line from Hays Blvd to River Glen Blvd. Project required to support Zone 3/4/5 Boundary Re-alignment (OAK)	30			21	2	7			
	7509	Neyagawa Pumping Station alterations to support Zone 3/4/5 Boundary Re-alignment (100 MLD) (OAK)	1,493			1,064	75	354			



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DEVELOPMENT										
2018 WATER SYSTEM PROJECT LISTING 2018 (000 DOLLARS)										
PROJECT NUMBER	UNIQUE ID	PROJECT DESCRIPTION	GROSS COST	SUBY/ RECOV	REGIONAL RESPONSIBILITY					
					DEVEL. CHGS.		GEN RESERV	CAP INVT RESERV	DEBENTURES	
					NON-RES	RES			GROWTH	REGIONAL
	7514	8th Line Zone 4 Pumping Station alterations to support Zone 3/4/5 Boundary Re-alignment (OAK)	900			641	45	214		
	7515	System PRV implementation to support Zone 3/4/5 Boundary Re-alignment (REG)	1,600			1,140	80	380		
		Sub-total	52,328			39,953	1,459	10,916		
		Non-Infrastructure Solutions								
	7502	Halton Water Master Plan (REG)	350			263		87		
PR-2676C	7510	Water Distribution System Analysis (REG)	110			83		27		
PR-2677C	7511	Water Supply Capacity Annual Monitoring Report (REG)	50			38		12		
	7512	System Wide Transient Analysis Modelling Study (REG)	500			375		125		
		Sub-total	1,010			759		251		



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DEVELOPMENT		2018 WATER SYSTEM PROJECT LISTING 2018 (000 DOLLARS)								
PROJECT NUMBER	UNIQUE ID	PROJECT DESCRIPTION	GROSS COST	SUBY/ RECOV	REGIONAL RESPONSIBILITY					
					DEVEL. CHGS.		GEN RESERV	CAP INVT RESERV	DEBENTURES	
					NON-RES	RES			GROWTH	REGIONAL
		Total	53,338			40,712	1,459	11,167		
		<u>Summary</u>								
		Expansion Activities	52,328		39,953	1,459	10,916			
		Non-Infrastructure Solutions	1,010		759	251				
		Grand Total	53,338		40,712	1,459	11,167			



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DEVELOPMENT		2018-2027 WATER FORECAST PROJECT FORECAST LISTING 2018 (000 DOLLARS)											
PR NO	UNIQ ID	PROJECT DESCRIPTION	GROSS COST	GROSS EXPENDITURE BY YEAR									
				2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
Disposal Activities													
	7496	Decommissioning of Burnhamthorpe Water Tower. (OAK)	1,000							200		800	
		Sub-total	1,000							200		800	
Expansion Activities													
PR-2695	5850	1050mm WM on Upper Middle Road from Burloak Drive to Appleby Line (Zone B2) (Construction) (BUR)	10,283								10,283		
	5881	400 mm WM from Waterdown pumping station along North Service Rd to King Rd (Zone B2) (BUR)	7,055							1,411		5,644	
PR-2727B	6367	Burloak Pumping Station Phase 1, 60 ML/d (Zone B2) - Construction (BUR)	13,693								13,693		
	6602	7.5 ML storage expansion at Waterdown Reservoir (existing site) (Zone B1A) (BUR)	8,305								1,661		6,644
	6704	200mm WM on Brock Ave from Elgin Street to Lakeshore Rd (BUR)	454			91		363					
	6705	200mm WM on Regina Drive from Maple Avenue to Ecole Renaissance Schoolyard (BUR)	377			75		302					
	6708	300mm WM on Elizabeth Street from James Street to approximately 95 m north (BUR)	192							38		154	
	6709	300mm WM on Plains Rd East from north of Grandview Rd to twinned section on Plains (BUR)	2,460	492	1,968								
	6711	300mm WM on Birchwood Avenue from Plains Rd East southwards towards Fairwood Place East (BUR)	22										22
	6712	300mm WM on Gallagher Rd from Plains Rd East to 160 m Northerly (BUR)	51										51



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DEVELOPMENT														
2018-2027 WATER FORECAST														
PROJECT FORECAST LISTING 2018 (000 DOLLARS)														
PR NO	UNIQ ID	PROJECT DESCRIPTION	GROSS COST	GROSS EXPENDITURE BY YEAR										
				2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	
	6713	300mm WM on Downsview Rd from Plains Rd East to Dowland Crescent (BUR)	48										48	
	6714	300mm WM on Brant from Fairview St to 180 m northerly (BUR)	405			81		324						
	6715	300mm WM on Woodview Rd from Fairview St to 100 m Northerly (BUR)	231			46		185						
	6716	200mm WM on from end of Commerce Crt north to Fairview St (BUR)	370			74		296						
	6717	300mm WM on Fairview St from Appleby Line to Taylor Crescent (BUR)	1,000			200		800						
	6863	Waterdown Road Pumping Station Expansion (Zones B2, B3A & B5A) (BUR)	5,629							1,126			4,503	
	7014	400 mm WM from Waterdown Reservoir Pumping Station to new North Aldershot Reservoir (Zone B3A) (BUR)	2,437										487	1,950
	7570	4.5 ML North Aldershot in ground Reservoir (Zone B3B) (BUR)	5,623							200	1,085			4,338
	6597	300mm WM on RR 25 from No. 32 Siderd to 640 m north of Wallace St. (Zone A9G) (HHACTION) from (HHACTION)	1,430							286			1,144	
	6600	300 mm WM on No. 32 Siderd from RR 25 to 3rd Line Reservoir (Zone A9G) (HHACTION) (HHACTION)	1,333							267			1,066	
	6603	400mm WM on 8th Line from 10th Siderd to existing 400mm (Zone G6L) (HHGEO)	2,324		361	1,963								
	6608	750mm WM on Trafalgar from 15th Siderd to 22nd Siderd Lake Based Reservoir (Zone G6L) (HHGEO)	16,339	2,533		13,806								
	6609	400mm WM on 17th Siderd from Trafalgar Rd to Main St (Zone G6L) (HHGEO)	2,504		388	2,116								



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DEVELOPMENT		2018-2027 WATER FORECAST PROJECT FORECAST LISTING 2018 (000 DOLLARS)											
PR NO	UNIQU ID	PROJECT DESCRIPTION	GROSS COST	GROSS EXPENDITURE BY YEAR									
				2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
	6611	600mm WM on No 10 Siderd from 8th Line to 9th Line (Zone G6L) (HHGEO)	3,951	612	3,339								
	6612	600mm WM on No 10 Siderd from 9th Line to 10th Line (Zone G6L) (HHGEO)	4,459	691	3,768								
	6613	600mm WM on No 10 Siderd from 10th Line to Adamson St S (Zone G6L) (HHGEO)	321										321
	6614	600 mm WM on Adamson St from 10th Siderd to Guelph St (Zone G6L) (HHGEO) (HHGEO)	532										532
	6615	600mm WM on Guelph St from Adamson St to Bovaird Dr (Region of Peel) (Zone G6L) (HHGEO)	394										394
	6654	750mm WM on on Trafalgar Rd from 10th Siderd to approximately 1,700 m north of 10th Siderd (Zone G6L) (HHGEO)	5,423	840		4,583							
	6655	750mm WM on Trafalgar from 1,700 m north of 10th Siderd to 15th Siderd (Zone G6L) (HHGEO)	4,861	753		4,108							
	6694	10 ML Zone G6L Storage at 22nd Siderd (HHGEO)	11,660							2,332		9,328	
	6697	15 ML storage expansion at Zone M4 Reservoir (TWL=250m) (HHGEO)	16,609								3,322		13,287
	6735	300 mm replacement on Guelph St between Mountainview Rd North and Sinclair Ave (HHGEO)	1,955	391		1,564							
	7499	2 system PRV's on Mountain View and Eighth Line at the creek (Georgetown Lakebased Transfer Implementation) (Construction) (HHGEO)	345	69		276							
	7506	750mm WM on Trafalgar Rd from Zone 4 Reservoir to No 10 Siderd (Zone G6L) - Construction (HHGEO)	5,639			5,639							



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DEVELOPMENT													
2018-2027 WATER FORECAST													
PROJECT FORECAST LISTING 2018 (000 DOLLARS)													
PR NO	UNIQ ID	PROJECT DESCRIPTION	GROSS COST	GROSS EXPENDITURE BY YEAR									
				2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
	7507	600mm WM on 10th Siderd from Trafalgar Rd to 8th Line (Zone G6L) - Construction (HHGEO)	3,675		3,675								
	7508	20 ML/d Zone G6L Pumping Station at Zone 4 Reservoir - Construction (HHGEO)	4,880		4,880								
	6641	400 mm WM on Hornby Rd from Steeles Ave to Trafalgar Rd (Zone 250) (HHS)	2,368						474		1,894		
	6642	400 mm WM in the 401 growth corridor north of Steeles from Hornby Rd to Trafalgar Rd (Zone 250) (HHS)	1,810						362		1,448		
	6643	400 mm WM in the 401 growth corridor north of Steeles from Trafalgar Rd to approximately 400m east of 8th Line (Zone 250) (HHS)	2,640						528		2,112		
	6644	400mm WM in the 401 growth corridor north of Steeles from to approximately 300 m north (Zone 250) (HHS)	1,141						228		913		
	6645	400mm WM in the 401 growth corridor north of Steeles Ave. from 1,000 m west of 9th Line to 900 m east of 9th Line (Zone 250) (HHS)	386										386
	6646	400mm WM in the 401 growth corridor from Steeles Ave to approximately 330 m north (Zone 250) (HHS)	222										222
	6647	400mm WM in the 401 growth corridor north of Steeles Ave. from 600 m west of 10th Line to 1,000 m east of 10th Line (Zone 250) (HHS)	427										427
	6648	400mm WM in the 401 growth corridor from Steeles Ave to 340 m north (Zone 250) (HHS)	302										302
	6318	300mm WM on No 14 Siderd from Tremaine Rd. to Milton Reservoir (Zone M5G) (MIL)	1,799	279	1,520								
	6616	400mm WM on Thompson Rd South from Britannia Rd to approx. 1,211 south (Zone M4) (MIL)	1,746							349		1,397	



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DEVELOPMENT		2018-2027 WATER FORECAST PROJECT FORECAST LISTING 2018 (000 DOLLARS)											
PR NO	UNIQ ID	PROJECT DESCRIPTION	GROSS COST	GROSS EXPENDITURE BY YEAR									
				2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
	6617	400mm WM on new roadway south of Britannia Rd from Thompson Rd South to 4th Line (Zone M4) (MIL)	2,278								456		1,822
	6618	400mm WM on new roadway south of Britannia Rd from 4th Line to 5th Line (Zone M4) (MIL)	2,314							463		1,851	
	6619	400mm WM on new roadway south of Britannia Rd from 5th Line to 6th Line (Zone M4) (MIL)	1,559							312		1,247	
	6620	400mm WM on 6th Line from Britannia Rd to 600 m south (Zone M4) (MIL)	1,078							216		862	
	6621	400mm WM on 6th Line from Britannia Rd to future Louis St. Laurent Blvd. (Zone M4) (MIL)	2,763							553		2,210	
	6622	400mm WM on 6th Line from Derry Rd to future Louis St. Laurent Blvd. (Zone M4) (MIL)	3,328							666		2,662	
	6623	400mm WM on 5th Line from Britannia Rd to future Louis St. Lauren Blvd. (Zone M4) (MIL)	2,034							407		1,627	
	6624	400mm WM on 4th Line from Britannia Rd to 650 m south (Zone M4) (MIL)	724								145		579
	6625	400mm WM on Lower Base Line (East) from 4th Line to 5th Line (Zone M4) (MIL)	2,714								543		2,171
	6626	400mm WM on 5th Line from Britannia Rd to 650 m south (Zone M4) (MIL)	736								147		589
	6627	400mm WM on 4th Line from 650 m south of Britannia Rd to Lower Base Line (West) (Zone M4) (MIL)	2,322								464		1,858
	6628	400mm WM on 5th Line from 650 m south of Britannia Rd to Lower Base Line (West) (Zone M4) (MIL)	3,081								616		2,465
	6629	600mm WM on Louis St. Laurent Ave from 5th Line to 6th Line (Zone M4) (MIL)	2,651								530		2,121



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BUDGET & BUSINESS PLAN

DEVELOPMENT		2018-2027 WATER FORECAST PROJECT FORECAST LISTING 2018 (000 DOLLARS)											
PR NO	UNIQ ID	PROJECT DESCRIPTION	GROSS COST	GROSS EXPENDITURE BY YEAR									
				2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
	6630	600mm WM on Louis St. Laurent Ave from 6th Line to Trafalgar Rd (Zone M4) (MIL)	4,358								872		3,486
	6631	400mm WM on Louis St. Laurent Ave from Trafalgar Rd to 8th Line (Zone M4) (MIL)	2,725								545		2,180
	6632	400mm WM on Britannia Rd from Trafalgar Rd to 600 m east (Zone M4) (MIL)	1,071								214		857
	6633	400mm WM on Britannia Rd from 600 m east of Trafalgar Rd to 8th Line (Zone M4) (MIL)	1,167								233		934
	6634	400mm WM on new Milton Rd from Trafalgar Rd to approximately 700 m east (Zone M4) (MIL)	1,571								314		1,257
	6635	400mm WM on 8th Line from Derry Rd. to future Louis St. Laurent Blvd (Zone M4) (MIL)	2,947								589		2,358
	6636	400mm WM on 8th Line from Britannia Rd to future Louis St. Laurent Blvd (Zone M4) (MIL)	2,338								468		1,870
	6637	400mm WM on new roadway from Britannia Rd to approx. 1,200 m south (Zone M4) (MIL)	1,679								336		1,343
	6638	400mm WM on Derry Rd from Trafalgar Rd to 8th Line (Zone M4) (MIL)	1,528								306		1,222
	6649	400mm WM on Esquesing Line from James Snow Parkway to approximately 800 m north (Zone 267) (MIL)	1,270								254		1,016
	6650	400mm WM on new roadway from Esquesing Line to approximately 360 m west of Boston Church Rd (Zone 267) (MIL)	3,443								689		2,754
	6652	400mm WM on new roadway from 400 m west of Third Line to No 5 Siderd (Zone 267) (MIL)	1,177								235		942



CAPITAL BUDGET

2018

WATER-CAPITAL

BUDGET & BUSINESS PLAN

DEVELOPMENT													
2018-2027 WATER FORECAST													
PROJECT FORECAST LISTING 2018 (000 DOLLARS)													
PR NO	UNIQ ID	PROJECT DESCRIPTION	GROSS COST	GROSS EXPENDITURE BY YEAR									
				2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
	6653	400mm WM on No 5 Siderd from approximately 400 m west of 3rd Line to 3rd Line (Zone 267) (MIL)	465								93		372
	6657	400mm WM on Tremaine Rd from Britannia Rd to 2,200 m south of Britannia Rd (Zone 223.5) (MIL)	3,632								726		2,906
	6659	400mm WM on new road alignment from Tremaine Rd to approximately 360 m west (Zone 223.5) (MIL)	467									93	374
PR-3153	6721	300mm WM on Ontario Street South from Main Street East to Parkway Drive East (MIL)	1,666	1,666									
PR-3153	6722	300mm WM on Woodward Avenue between Martin Street and Ontario Street North (MIL)	1,366	1,366									
	6723	400mm WM on Bronte St between Main Street West and Barton Street (MIL)	1,212									242	970
	6724	300mm WM on Main Street East between James Street and Martin Street (MIL)	115										115
	6725	300mm WM on Laurier Avenue between Bronte Street and Commercial Street (MIL)	2,436									487	1,949
	7498	Lake Based Servicing transfer of Derry Rd/R.R. 25 area (MIL)	280			56		224					
	7500	Milton West Looping - 400mm WM on Derry Rd from Santa Maria Blvd. to Bronte St South, and a 400 mm WM on Main St West from Scott Blvd. to Tremaine Road. (MIL)	3,737	579		3,158							
	7504	1200mm WM on Britannia Rd from 4th Line to RR 25 (Zone M4) - Construction (MIL)	25,000	25,000									
	7513	4th Line Pumping Station alterations to support Zone 3/4/5 Boundary Re-alignment (MIL)	1,884	377		1,507							
PR-3067	3713	400mm WM on Burnhamthorpe Rd from Trafalgar Rd to new North Oakville road (Zone O4) (Design) (OAK)	468	468									



CAPITAL BUDGET

WATER-CAPITAL

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BUDGET & BUSINESS PLAN

DEVELOPMENT		2018-2027 WATER FORECAST PROJECT FORECAST LISTING 2018 (000 DOLLARS)											
PR NO	UNIQ ID	PROJECT DESCRIPTION	GROSS COST	GROSS EXPENDITURE BY YEAR									
				2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
	4983	400mm WM on new North Oakville road from Burnhamthorpe Rd to Dundas St (Zone O4) (Design) (OAK)	635	635									
PR-2894	5627	600mm WM through North Oakville Lands from Tremaine Rd to Bronte Rd (Zone O3) (OAK)	7,739							1,548		6,191	
PR-2894	5853	600mm WM on Tremaine Rd from Dundas St to approximately 950 m north (North Oakville Lands) (Zone O3) (OAK)	1,422						284		1,138		
PR2581B	5951	Design of Burloak WPP Phase 2 Expansion from 55 to 165ML/d (OAK)	11,975						11,975				
PR-2695B	6368	1050 mm WM on Burloak Dr from the QEW to Upper Middle Rd (Zone B2) - Construction (OAK)	9,766								9,766		
PR-2581C	6372	Construction of Burloak WPP Phase 2 Expansion from 55 to 165ML/d (OAK)	130,601							130,601			
PR-3067	6443	400mm WM on Burnhamthorpe Rd from Trafalgar Rd to new North Oakville road (Zone O4) (Construction) (OAK)	2,547			2,547							
PR-3067	6444	400mm WM from Burnhamthorpe Rd to Dundas St on new North Oakville road (Zone O4) (Construction) (OAK)	3,461			3,461							
	6662	600mm WM on Wycroft Rd from Burloak Dr to the 900mm WM on the SE corner of the 3rd Line and QEW (OAK)	16,341								3,268		13,073
PR-3120	6684	Construction of Oakville WPP Re-rating from 109 to 130 ML/d (OAK)	10,000	10,000									
	6701	Kitchen Zone O3 Pumping Station expansion by 80 ML/d (OAK)	2,566										2,566
	6702	40 ML/d Expansion at the Neyagawa Pumping Station (OAK)	7,200								1,440		5,760



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WATER-CAPITAL

BUDGET & BUSINESS PLAN

DEVELOPMENT		2018-2027 WATER FORECAST PROJECT FORECAST LISTING 2018 (000 DOLLARS)											
PR NO	UNIQU ID	PROJECT DESCRIPTION	GROSS COST	GROSS EXPENDITURE BY YEAR									
				2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
	6726	300mm WM on Sovereign St between Bronte Rd and East St (OAK)	2,097	419		1,678							
	6728	300mm WM on Cowan Ave between Kerr St and Inglewood Drive (OAK)	653									131	522
	6729	300mm WM on Deane Ave between Kerr St and Felan Ave (OAK)	1,049									210	839
	6731	300mm WM on Forsythe St between Rebecca St and Burnet St (OAK)	617									123	494
PR-2388B	7284	400mm WM and valve chamber to be constructed on Neyagawa Blvd. (RR 4) (OAK)	223	223									
PR-2263B	7357	400mm WM on Sixth Line from the proposed William Halton Parkway (RR 40) to southward approximately 300m (OAK)	270	270									
	7497	400mm WM on Sixth Line from approximately 300m southward of William Halton Parkway (RR 40) to Burnhamthorpe Rd (OAK)	642	642									
	7501	400mm WM on new North Oakville Rd west of Neyagawa Blvd. (OAK)	3,000		600		2,400						
	7503	300 mm WM on Sixth Line from Hays Blvd to River Glen Blvd. Project required to support Zone 3/4/5 Boundary Re-alignment (OAK)	150	30		120							
	7505	1050mm WM on Burloak Dr from Burloak Pumping Station to the QEW - Construction (OAK)	6,690								6,690		
	7509	Neyagawa Pumping Station alterations to support Zone 3/4/5 Boundary Re-alignment (100 MLD) (OAK)	7,466	1,493		5,973							
	7514	8th Line Zone 4 Pumping Station alterations to support Zone 3/4/5 Boundary Re-alignment (OAK)	4,500	900		3,600							



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WATER-CAPITAL

BUDGET & BUSINESS PLAN

DEVELOPMENT		2018-2027 WATER FORECAST PROJECT FORECAST LISTING 2018 (000 DOLLARS)											
PR NO	UNIQ ID	PROJECT DESCRIPTION	GROSS COST	GROSS EXPENDITURE BY YEAR									
				2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
PR-2502C	6685	Bulk Water Stations on Existing Sites (REG)	1,997		399		1,598						
	7515	System PRV implementation to support Zone 3/4/5 Boundary Re-alignment (REG)	8,000	1,600		6,400							
		Sub-total	497,301	52,328	26,813	57,207	3,998	14,753	142,018	61,470	46,629	82,403	9,682
Non-Infrastructure Solutions													
	7502	Halton Water Master Plan (REG)	1,150	350					800				
PR-2676C	7510	Water Distribution System Analysis (REG)	1,100	110	110	110	110	110	110	110	110	110	110
PR-2677C	7511	Water Supply Capacity Annual Monitoring Report (REG)	500	50	50	50	50	50	50	50	50	50	50
	7512	System Wide Transient Analysis Modelling Study (REG)	500	500									
		Sub-total	3,250	1,010	160	160	160	160	960	160	160	160	160
		Total Required Financing	501,551	53,338	26,973	57,367	4,158	14,913	143,178	61,630	47,589	82,563	9,842



HALTON REGION

Budget and Business Plan 2018

Wastewater Non-Development

CAPITAL BUDGET

2018

WASTEWATER-CAPITAL

BUDGET & BUSINESS PLAN

NON-DEVELOPMENT		2018 WASTEWATER SYSTEM PROJECT LISTING 2018 (000 DOLLARS)						REGIONAL RESPONSIBILITY			
PROJECT NUMBER	UNIQUE ID	PROJECT DESCRIPTION	GROSS COST	SUBY/ RECOV	DEVEL. CHGS.		GEN RESERV	CAP INVT RESERV	DEBENTURES		
					NON-RES	RES			GROWTH	REGIONAL	
Expansion Activities											
PR-3195	7594	Hauled Waste Receiving Facility at Biosolids Management Site (OAK)	700				700				
		Sub-total	700				700				
Maintenance Activities											
	7599	Burlington WWTP-building air unit- Grit Building (BUR)	150				150				
		Sub-total	150				150				
Non-Infrastructure Solutions											
	7385	Wastewater Servicing Rationalization Review for Georgetown Wastewater Treatment Plant (HHGEO)	125				125				
PR-2185	4946	SCADA Master Plan Review for Wastewater Treatment Plants and Collection Systems (REG)	100				100				
PR-2700	5929	SCADA System Installation at Regional Wastewater Pumping Stations (REG)	515				515				
PR-2541B	6969	Study and implementation of improvements for the Regions SCADA System Std's (REG)	50				50				
PR-2948	6975	SPS Equipment Lock-Out Procedures (REG)	100				100				
PR-3079	7347	Asset Management Roadmap Implementation (REG)	100				100				



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WASTEWATER-CAPITAL

BUDGET & BUSINESS PLAN

NON-DEVELOPMENT		2018 WASTEWATER SYSTEM PROJECT LISTING 2018 (000 DOLLARS)						REGIONAL RESPONSIBILITY			
PROJECT NUMBER	UNIQUE ID	PROJECT DESCRIPTION	GROSS COST	SUBY/ RECOV	DEVEL. CHGS.		GEN RESERV	CAP INVT RESERV	DEBENTURES		
					NON-RES	RES			GROWTH	REGIONAL	
		Sub-total	990				990				
Renewal/Rehabilitation Activities											
PR-3061	7213	Skyway Wastewater Treatment Plant Sidestream Treatment Improvements (BUR)	290				290				
PR-3155	7386	200mm WWM on Chamberlain Road from Longmoor Drive to Turner Drive (BUR) (RR)	872				872				
PR-3154	7390	200mm WWM on Joel Avenue from Cape Avenue to Ardleigh Crescent (BUR) (WM)(RR)	456				456				
PR-3156	7394	Upgrades at Bridgview Wastewater Pumping Station from 11.5 L/s to 13 L/s and Force Main extension and upsizing (BUR)	125				125				
PR-3143	7395	Upgrade Bayshore Wastewater Pumping Station (WWPS) from 9.5 L/s to 14 L/s (BUR)	51				51				
	7612	Bromley (No.6) Wastewater Pumping Station Renewal (BUR)	500				500				
	7613	Paletta Gardens (No. 10) Wastewater Pumping Station Renewal (BUR)	600				600				
	6960	Georgetown WWTP - Electrical Upgrades (HHGEO)	515				515				
	6945	Retrofit the heating system at the Mid-Halton WWTP Biosolids handling facility (OAK)	288				288				
PR-2886	7604	Boiler unit 1 & Hot water Pumps (OAK)	1,920				1,920				
PR-2194	4960	Regional WWM Pump Station - Flow Monitoring Equipment Installation (REG)	100				100				



CAPITAL BUDGET

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WASTEWATER-CAPITAL

BUDGET & BUSINESS PLAN

NON-DEVELOPMENT										
2018 WASTEWATER SYSTEM PROJECT LISTING 2018 (000 DOLLARS)										
PROJECT NUMBER	UNIQUE ID	PROJECT DESCRIPTION	GROSS COST	SUBY/ RECOV	REGIONAL RESPONSIBILITY					
					DEVEL. CHGS.		GEN RESERV	CAP INVT RESERV	DEBENTURES	
					NON-RES	RES			GROWTH	REGIONAL
PR-2640	5307	Wastewater Manhole Capital Improvement Prgm (REG)	400				400			
PR-1589D	5539	Halton WWTP Optimization Program (REG)	250				250			
PR-2830	5748	Regional Inflow / Infiltration Remediation Program (REG)	2,550				2,550			
	7605	2018 CNA Program-Wastewater Treatment (REG)	550				550			
	7663	Wastewater Maintenance Capital (Treatment) (REG)	1,328				1,328			
	7665	Wastewater Maintenance Capital (System Services) (REG)	500				500			
	7734	Capital upgrades to address basement flooding (REG)	5,951				5,951			
	7747	WW Plant Enhancements for Odour Control per Region-Wide Odour Control Study (REG)	82				82			
		Sub-total	17,328				17,328			
		Replacement Activities								
	7601	Burlington Skyway WWTP - Transformer Replacement (BUR)	120				120			
	7616	Agnest Street Wastewater Pumping Station Feasibility Study and Upgrades (HHACT)	50				50			
PR-3053B	7071	200mm WWM on Mill Street from 60m east of Guelph Street to 120m east of Guelph Street (HHGEO)	164				164			
PR-3082	7345	Transferring of Laterals from Easement to Main Street South and Park Avenue (HHGEO)	1,382				1,382			



CAPITAL BUDGET

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WASTEWATER-CAPITAL

BUDGET & BUSINESS PLAN

NON-DEVELOPMENT		2018 WASTEWATER SYSTEM PROJECT LISTING 2018 (000 DOLLARS)					REGIONAL RESPONSIBILITY			
PROJECT NUMBER	UNIQUE ID	PROJECT DESCRIPTION	GROSS COST	SUBY/ RECOV	DEVEL. CHGS.		GEN RESERV	CAP INVT RESERV	DEBENTURES	
					NON-RES	RES			GROWTH	REGIONAL
	7621	200mm,300mm WWM on Prince Charles Drive from Rexway Drive to Delrex Boulevard (HHGEO) (WM)	348				348			
PR-3152	7205	200mm WWM on Woodward Avenue from Riverplace Crescent to Elm Avenue (MIL) (RR)	410				410			
PR-3152	7402	250mm WWM on Ontario Street South from Main Street East to Donald Campbell Avenue (MIL) (RR) (WM)	1,591				1,591			
PR-2904	6791	15Ls WWPS (including SCADA) and onsite connections to new PS in BMC and 150mm Forcemain from new PS to Boyne Trunk Sewer (OAK)	350				350			
PR-2979	7067	200mm,300mm WWM on Reynolds Street from King Street to Randall Street (OAK) (RR)	320				320			
PR-2940B	7095	Decommission and Relocation of Sewer currently located in backyard easements in the Felan Ave and Maurice Drive Area Phase 2 (OAK)	1,500				1,500			
	7280	250mm WWM on Selgrove Crescent from Woodhaven Park Drive to Woodhaven Park Drive (OAK) (WM)	125				125			
	7628	Abandoning and Relocating 250mm WWM on Easement from Falgarwood Drive to Invicta Drive (OAK)	228				228			
PR-30001	6886	Vehicle Replacements - (Existing) Wastewater (REG)	428				428			
	7316	Regional Environmental Laboratory - Kjeltec Auto Distillation Analyzer - WW (REG)	60				60			
	7661	Regional Environmental Laboratory - LAB Digestion Block for Nitrogens (DA) (REG)	15				15			



CAPITAL BUDGET

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WASTEWATER-CAPITAL

BUDGET & BUSINESS PLAN

NON-DEVELOPMENT		2018 WASTEWATER SYSTEM PROJECT LISTING 2018 (000 DOLLARS)								
PROJECT NUMBER	UNIQUE ID	PROJECT DESCRIPTION	GROSS COST	SUBY/ RECOV	REGIONAL RESPONSIBILITY					
					DEVEL. CHGS.		GEN RESERV	CAP INVT RESERV	DEBENTURES	
					NON-RES	RES			GROWTH	REGIONAL
		Sub-total	7,091				7,091			
		Total	26,259				26,259			
		<u>Summary</u>								
		Expansion Activities	700				700			
		Maintenance Activities	150				150			
		Non-Infrastructure Solutions	990				990			
		Renewal/Rehabilitation Activities	17,328				17,328			
		Replacement Activities	7,091				7,091			
		Grand Total	26,259				26,259			



CAPITAL BUDGET

WASTEWATER-CAPITAL

2018

BUDGET & BUSINESS PLAN

NON-DEVELOPMENT													
2018-2027 WASTEWATER FORECAST													
PROJECT FORECAST LISTING 2018 (000 DOLLARS)													
PR NO	UNIQ ID	PROJECT DESCRIPTION	GROSS COST	GROSS EXPENDITURE BY YEAR									
				2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
Disposal Activities													
	7560	Milton WWTP Decommissioning (MIL)	4,862			486	4,376						
		Sub-total	4,862			486	4,376						
Expansion Activities													
PR-3129	7450	Installation of two (2) 600mm Forcemains across Sixteen Mile Creek for the Milton WWTP, Fulton SPS (MIL)	1,029		1,029								
	7561	New Diversion Forcemain (MIL)	5,140			514	4,626						
PR-3195	7594	Hauled Waste Receiving Facility at Biosolids Management Site (OAK)	700	700									
	7008	Vehicle - New - Wastewater (REG)	562		36	140	38	8	38	95	67	140	
		Sub-total	7,431	700	1,065	654	4,664	8	38	95	67	140	
Maintenance Activities													
	7599	Burlington WWTP-building air unit- Grit Building (BUR)	150	150									
		Sub-total	150	150									
Non-Infrastructure Solutions													
	7434	Capital Needs Assessment of Wastewater Pumping Stations within the Skyway Drainage Area (West) (BUR)	300				300						
	7474	Capital Needs Assessment of Wastewater Pumping Stations within the Skyway Drainage Area (East) (BUR)	300						300				
	7385	Wastewater Servicing Rationalization Review for Georgetown Wastewater Treatment Plant (HHGEO)	125	125									
	7437	Capital Needs Assessments for Wastewater Pumping Stations in Acton and Georgetown Drainage Areas (HHS)	300										300



CAPITAL BUDGET

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WASTEWATER-CAPITAL

BUDGET & BUSINESS PLAN

NON-DEVELOPMENT													
2018-2027 WASTEWATER FORECAST													
PROJECT FORECAST LISTING 2018 (000 DOLLARS)													
PR NO	UNIQ ID	PROJECT DESCRIPTION	GROSS COST	GROSS EXPENDITURE BY YEAR									
				2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
	7436	Capital Needs Assessments for Wastewater Pumping Stations within the Mid-Halton Drainage Area (MIL)	300									300	
	7427	Capital Needs Assessment for Wastewater Pumping Stations within the Oakville South-East Drainage Area (OAK)	250		250								
PR-2185	4946	SCADA Master Plan Review for Wastewater Treatment Plants and Collection Systems (REG)	200	100						100			
PR-2700	5929	SCADA System Installation at Regional Wastewater Pumping Stations (REG)	1,545	515	515	515							
PR-2541B	6969	Study and implementation of improvements for the Regions SCADA System Std's (REG)	50	50									
PR-2948	6975	SPS Equipment Lock-Out Procedures (REG)	100	100									
PR-3079	7347	Asset Management Roadmap Implementation (REG)	200	100	100								
	7629	Development of a Wastewater System Capacity Management Program (REG)	75		75								
	7634	Wastewater Collection System Odour Studies (REG)	75					75					
		Sub-total	3,820	990	940	515	300	75	400		300		300
Renewal/Rehabilitation Activities													
PR-3061	7213	Skyway Wastewater Treatment Plant Sidestream Treatment Improvements (BUR)	5,090	290	4,800								
PR-3155	7386	200mm WWM on Chamberlain Road from Longmoor Drive to Turner Drive (BUR) (RR)	872	872									
PR-3154	7390	200mm WWM on Joel Avenue from Cape Avenue to Ardleigh Crescent (BUR) (WM)(RR)	456	456									



CAPITAL BUDGET

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WASTEWATER-CAPITAL

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NON-DEVELOPMENT													
2018-2027 WASTEWATER FORECAST													
PROJECT FORECAST LISTING 2018 (000 DOLLARS)													
PR NO	UNIQ ID	PROJECT DESCRIPTION	GROSS COST	GROSS EXPENDITURE BY YEAR									
				2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
PR-3156	7394	Upgrades at Bridgview Wastewater Pumping Station from 11.5 L/s to 13 L/s and Force Main extension and upsizing (BUR)	977	125	852								
PR-3143	7395	Upgrade Bayshore Wastewater Pumping Station (WWPS) from 9.5 L/s to 14 L/s (BUR)	257	51	206								
PR-3144	7396	Upgrade of Roseland Creek Wastewater Pumping Station (Piping Improvement) (BUR)	1,029		103		926						
PR-3151	7422	200mm WWM on MacLaren Drive from Woodview Road to Rexway Drive (BUR) (WM) (RR)	889		889								
	7435	Capital Needs Assessment for Wastewater Pumping Stations within the Skyway Drainage Area (BUR)	300					300					
	7612	Bromley (No.6) Wastewater Pumping Station Renewal (BUR)	500	500									
	7613	Paletta Gardens (No. 10) Wastewater Pumping Station Renewal (BUR)	600	600									
	6073	Acton Plant Replacement & Improvements (HHACTION)	4,781		4,781								
	6077	Acton - Digester Replacement and Upgrades (HHACTION)	784		784								
	6960	Georgetown WWTP - Electrical Upgrades (HHGEO)	2,573	515	2,058								
	7391	200mm WWM on McIntyre Crescent from Rexway Drive to Rexway Drive and abandon easement (HHGEO)	1,472		237		1,235						
PR-2987	7557	Construction of 400mm WWM on John Street from John Street PS Wet Well to Credit River (Overflow Pipe) (ID 7081) (HHGEO)	1,647		1,647								
	7600	Georgetown WWTP-Replacement of the digester mixing system from gas to hydraulic (HHGEO)	552		552								



CAPITAL BUDGET

WASTEWATER-CAPITAL

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BUDGET & BUSINESS PLAN

NON-DEVELOPMENT													
2018-2027 WASTEWATER FORECAST													
PROJECT FORECAST LISTING 2018 (000 DOLLARS)													
PR NO	UNIQ ID	PROJECT DESCRIPTION	GROSS COST	GROSS EXPENDITURE BY YEAR									
				2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
PR-3129	7559	Fulton Pump Station Modifications (MIL)	592		592								
	6945	Retrofit the heating system at the Mid-Halton WWTP Biosolids handling facility (OAK)	288	288									
	7602	Mid-Halton WWTP-Concrete Restoration in Aeration tanks (OAK)	1,303		12		1,291						
PR-2886	7604	Boiler unit 1 & Hot water Pumps (OAK)	1,920	1,920									
PR-2194	4960	Regional WWM Pump Station - Flow Monitoring Equipment Installation (REG)	250	100	150								
PR-2640	5307	Wastewater Manhole Capital Improvement Prgm (REG)	5,100	400	400	400	500	500	500	600	600	600	600
PR-1589D	5539	Halton WWTP Optimization Program (REG)	250	250									
PR-2830	5748	Regional Inflow / Infiltration Remediation Program (REG)	2,550	2,550									
	7605	2018 CNA Program-Wastewater Treatment (REG)	550	550									
	7663	Wastewater Maintenance Capital (Treatment) (REG)	14,828	1,328	1,500	1,500	1,500	1,500	1,500	1,500	1,500	1,500	1,500
	7665	Wastewater Maintenance Capital (System Services) (REG)	5,000	500	500	500	500	500	500	500	500	500	500
	7734	Capital upgrades to address basement flooding (REG)	47,711	5,951	5,999	6,000	5,976	6,008	6,000	6,033	5,744		
	7746	2019 CNA program-Wastewater Treatment (REG)	275		275								
	7747	WW Plant Enhancements for Odour Control per Region-Wide Odour Control Study (REG)	164	82		82							
		Sub-total	103,560	17,328	20,463	14,356	11,002	9,434	8,800	8,633	8,344	2,600	2,600



CAPITAL BUDGET

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WASTEWATER-CAPITAL

BUDGET & BUSINESS PLAN

NON-DEVELOPMENT		2018-2027 WASTEWATER FORECAST PROJECT FORECAST LISTING 2018 (000 DOLLARS)											
PR NO	UNIQ ID	PROJECT DESCRIPTION	GROSS COST	GROSS EXPENDITURE BY YEAR									
				2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
Replacement Activities													
PR-3100	7276	200mm WWM on Ester Drive from Brant Street to Janina Boulevard (BUR) (RR)(WM)	1,276		1,276								
PR-3100	7277	200mm WWM on Janina Boulevard from Ester Drive to west leg of Humphrey Crescent (BUR) (RR) (WM)	650		650								
PR-3100	7279	200mm WWM on Humphreys Crescent from Janina Boulevard to Janina Boulevard (BUR) (RR) (WM)	740		740								
PR-3163	7387	200mm WWM on Adrian Avenue from Wilson Avenue to Henderson Road (BUR)	231			231							
PR-3163	7392	200mm WWM on Fowler Court from Walker's Line to End (BUR)	327		327								
	7393	200mm WWM on John Street from James Street to 50m south (BUR) (RR)	159		51		108						
PR-3151	7403	200mm WWM on Rexway Drive from Cumberland Avenue to Woodview Road (BUR) (WM) (RR)	792		792								
PR-3176	7439	Replace two (2) existing belt filter presses with a new Centrifuge (BUR)	3,602		3,602								
	7454	Burlington Skyway WWTP - RAS & Secondary Clarifiers #5 - 8 Upgrades (Phase 2) (BUR)	6,998		6,998								
	7455	Burlington Skyway WWTP - RAS & Secondary Clarifiers #9 - 12 Upgrades (Phase 3) (BUR)	6,072			6,072							
	7601	Burlington Skyway WWTP - Transformer Replacement (BUR)	3,600	120	600		2,880						
	7687	200mm,300mm WWM on Glenwood School Drive from Brenda Crescent to Queensway Drive (BUR) (RR)	1,727			288		1,439					



NON-DEVELOPMENT		2018-2027 WASTEWATER FORECAST PROJECT FORECAST LISTING 2018 (000 DOLLARS)											
PR NO	UNIQ ID	PROJECT DESCRIPTION	GROSS COST	GROSS EXPENDITURE BY YEAR									
				2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
	7690	Upgrade Elizabeth Gardens, Install second forcemain, tunneling deep trunk (BEAST) (Phase 1) (BUR)	70,000					14,000		10,000	16,000		30,000
	7722	Vertical Wastewater - Wastewater Treatment Plants - Burlington WWTP (BUR)	31,798					6,604	7,610	4,728	4,142	4,443	4,271
	7616	Agnest Street Wastewater Pumping Station Feasibility Study and Upgrades (HHACT)	1,188	50	188		950						
	7723	Vertical Wastewater - Wastewater Treatment Plants - Acton WWTP (HHACT)	1,626					645	645	89	80	88	79
PR-3053B	7071	200mm WWM on Mill Street from 60m east of Guelph Street to 120m east of Guelph Street (HHGEO)	164	164									
PR-3082	7082	200mm WWM on Arletta Street from Kennedy Street to End (HHGEO) (WM)	317			317							
PR-3089	7193	Georgetown WWTP Aeration System Upgrades (HHGEO)	1,456		1,456								
PR-2987B	7197	John Street Pumping Station Upgrades and Rehabilitation (HHGEO)	2,768		2,768								
	7274	200mm WWM on Todd Road from south of Sinclair Avenue to Mountainview Road North (HHGEO) (RR)	1,869			312		1,557					
PR-3082	7345	Transferring of Laterals from Easement to Main Street South and Park Avenue (HHGEO)	1,382	1,382									
	7423	200mm WWM on Campbell Gate from Prince Charles Drive to Mountainview Road South (HHGEO) (WM)	396			66		330					
	7473	250mm WWM on Temple Road from Ewing Street to End (HHGEO)	453		76		377						
	7617	200mm WWM on Gower Road from Duncan Drive to Raylawn Crescent (HHGEO)	537		90		447						



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NON-DEVELOPMENT													
2018-2027 WASTEWATER FORECAST													
PROJECT FORECAST LISTING 2018 (000 DOLLARS)													
PR NO	UNIQ ID	PROJECT DESCRIPTION	GROSS COST	GROSS EXPENDITURE BY YEAR									
				2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
	7618	150mm,250mm WWM on Marilyn Crescent (HHGEO) (WM)	1,649		275		1,374						
	7621	200mm,300mm WWM on Prince Charles Drive from Rexway Drive to Delrex Boulevard (HHGEO) (WM)	2,088	348		1,740							
	7696	200mm WWM on Ontario Street from west of Riverview Crescent to south of Ewing Street and lateral transfer from easement (HHGEO)	412					412					
	7721	Vertical Wastewater - Wastewater Treatment Plants - Georgetown WWTP (HHGEO)	9,967					1,210	2,041	1,951	1,735	1,588	1,442
	7745	200mm WWM on Reid Court from Rexway Drive to End (HHGEO)	118			118							
PR-2907	7184	250mm WWM on McGeachie Drive from Harrop Drive to End (MIL) (RR)(WM)	412			412							
PR-3152	7205	200mm WWM on Woodward Avenue from Riverplace Crescent to Elm Avenue (MIL) (RR)	410	410									
PR-3152	7402	250mm WWM on Ontario Street South from Main Street East to Donald Campbell Avenue (MIL) (RR) (WM)	1,591	1,591									
	7719	Vertical Wastewater - Wastewater Treatment Plants - Milton WWTP (MIL)	23,177					3,786	3,959	3,647	3,328	4,025	4,432
PR-2904	6791	15Ls WWPS (including SCADA) and onsite connections to new PS in BMC and 150mm Forcemain from new PS to Boyne Trunk Sewer (OAK)	350	350									
PR-3032	7063	BMC Administration Buildings and Servicing Replacement (OAK)	2,480		2,480								
PR-2979	7067	200mm,300mm WWM on Reynolds Street from King Street to Randall Street (OAK) (RR)	320	320									



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NON-DEVELOPMENT		2018-2027 WASTEWATER FORECAST PROJECT FORECAST LISTING 2018 (000 DOLLARS)											
PR NO	UNIQ ID	PROJECT DESCRIPTION	GROSS COST	GROSS EXPENDITURE BY YEAR									
				2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
PR-2940B	7095	Decommission and Relocation of Sewer currently located in backyard easements in the Felan Ave and Maurice Drive Area Phase 2 (OAK)	1,500	1,500									
PR-3054	7183	250mm,300mm WWM on Lakeshore Road East from Navy Street to Allan Street (OAK) (RR)	1,093		1,093								
	7280	250mm WWM on Selgrove Crescent from Woodhaven Park Drive to Woodhaven Park Drive (OAK) (WM)	745	125		620							
PR-3005	7379	200mm WWM on Brant Street from John Street to 35m north (OAK) (WM)	131		131								
PR-3005	7380	200mm WWM on John Street from Brock Street to Forsythe Street (OAK) (WM)	1,101		1,101								
	7401	250mm WWM on Secord Avenue from Sherin Drive to Thornhill Drive (OAK) (WM)	566			93		473					
	7404	200mm WWM on Howard Avenue from Esplanade to Carson Lane (OAK) (WM)	416			70		346					
PR-3149	7417	200mm WWM on Thomas Street from Randall Street to Lakeshore Road East (OAK)	341		341								
	7419	200mm WWM on Park Avenue from Carson Lane to Lakeshore Road East (OAK)	388		65		323						
	7420	250mm WWM on Lees Lane from Pine Grove Road to Wingrove Crescent (south-leg) (OAK) (WM)	448				83		365				
PR-3149	7470	250mm WWM on Lakeshore Road East from Allan Road to Douglas Avenue (OAK) (RR)(WM)	222		222								
	7628	Abandoning and Relocating 250mm WWM on Easement from Falgarwood Drive to Invicta Drive (OAK)	1,356	228		1,128							
	7631	Third Line PS- Replacement of Sewage Lowlift (OAK)	720		144		576						



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NON-DEVELOPMENT		2018-2027 WASTEWATER FORECAST PROJECT FORECAST LISTING 2018 (000 DOLLARS)												
PR NO	UNIQ ID	PROJECT DESCRIPTION	GROSS COST	GROSS EXPENDITURE BY YEAR										
				2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	
	7693	Oakville Southeast WWTP - digester valves (OAK)	600							120		480		
	7694	Sixteen Mile Creek Pump Station - Pumping and Piping (OAK)	1,002					12	198			792		
	7697	300mm WWM on Churchill Avenue from Leighland Avenue to North Service Road East (OAK)	604					604						
	7714	Vertical Wastewater - Biosolids (OAK)	4,326					794	794	279	1,599	430	430	
	7718	Vertical Wastewater - Wastewater Treatment Plants - Oakville Southwest WWTP (OAK)	6,550					502	510	946	1,085	1,756	1,751	
	7720	Vertical Wastewater - Wastewater Treatment Plants - Mid-Halton WWTP (OAK)	64,972					7,983	9,185	8,221	6,971	9,636	22,976	
	7733	Vertical Wastewater - Wastewater Treatment Plants - Oakville Southeast WWTP (OAK)	42,396					2,732	7,132	6,856	6,361	9,408	9,907	
PR-30001V	6886	Vehicle Replacements - (Existing) Wastewater (REG)	6,565	428	872	278	723	798	850	550	462	585	1,019	
	7316	Regional Environmental Laboratory - Kjeltec Auto Distillation Analyzer - WW (REG)	60	60										
	7661	Regional Environmental Laboratory - LAB Digestion Block for Nitrogens (DA) (REG)	15	15										
	7716	Vertical Wastewater - Storage (REG)	30,542					3,374	3,661	3,737	3,341	4,574	11,855	
	7717	Vertical Wastewater - Wastewater Pump Stations (REG)	33,047					5,518	5,698	5,225	4,871	6,111	5,624	
	7724	Wastewater Force Mains (REG)	1,410					235	235	235	235	235	235	
	7725	Other Public Works Assets - Wastewater (REG)	1,440					240	240	240	240	240	240	



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NON-DEVELOPMENT													
2018-2027 WASTEWATER FORECAST													
PROJECT FORECAST LISTING 2018 (000 DOLLARS)													
PR NO	UNIQ ID	PROJECT DESCRIPTION	GROSS COST	GROSS EXPENDITURE BY YEAR									
				2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
	7731	Wastewater Gravity Mains (REG)	44,948					7,464	7,464	7,473	7,490	7,514	7,543
		Sub-total	430,606	7,091	26,338	11,745	7,841	61,058	50,707	54,177	59,212	50,633	101,804
		Total Required Financing	550,429	26,259	48,806	27,756	28,183	70,575	59,945	62,905	67,923	53,373	104,704



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WASTEWATER-CAPITAL

BUDGET & BUSINESS PLAN

BASEMENT FLOODING MITIGATION DETAILS				
ID 7734 - CAPITAL UPGRADES TO ADDRESS BASEMENT FLOODING				
SEWER CATCHMENT ID NUMBER	NAME OF CATCHMENT	NUMBER OF PROJECTS	MUNICIPALITY	TYPE OF WORK
2018 Projects				
WWTP	Georgetown Wastewater Treatment Plant	60	Georgetown	Opencut
1	Armstrong Avenue	1	Georgetown	Opencut
2	Gollop Crescent	3	Georgetown	Opencut
3	Lynden Circle	1	Georgetown	Opencut
4	Moore Park	1	Georgetown	Opencut
76	John Street	4	Georgetown	Opencut
80	Norval	1	Georgetown	Opencut
83	Main Street	3	Georgetown	Opencut
WWTP	Acton Wastewater Treatment Plant	14	Acton	Opencut
5	Agnes Street	5	Acton	Opencut
53	Lakeview	3	Acton	Opencut
33	Junction	8	Burlington	Opencut
71	Unsworth Avenue	2	Burlington	Opencut
77	Bridgeview	2	Burlington	Opencut
92	Garden Trails	2	Burlington	Opencut
2018 Sub-Total		110		5,951
2019 Projects				
WWTP	Skyway Wastewater Treatment Plant	70	Burlington	Opencut
65	Coronation Park	32	Burlington	Opencut
54	La Salle Park	2	Burlington	Opencut
57	NorthShore Boulevard	1	Burlington	Opencut
2019 Sub-Total		105		5,999
2020 Projects				
WWTP	Skyway Wastewater Treatment Plant	104	Burlington	Opencut
2020 Sub-Total		104		6,000



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WASTEWATER-CAPITAL

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BASEMENT FLOODING MITIGATION DETAILS				
ID 7734 - CAPITAL UPGRADES TO ADDRESS BASEMENT FLOODING				
SEWER CATCHMENT ID NUMBER	NAME OF CATCHMENT	NUMBER OF PROJECTS	MUNICIPALITY	TYPE OF WORK
2021 Projects				
14	Argyle Drive	1	Oakville	Opencut
66	Belvedere Drive	3	Oakville	Opencut
87	16 Mile Creek	68	Oakville	Opencut
16	First Street	2	Oakville	Opencut
20	Lakewood Drive	4	Oakville	Opencut
23	BirchHill Lane	2	Oakville	Opencut
29	West River Street	1	Oakville	Opencut
31	Elizabeth Gardens	5	Oakville	Opencut
42	Chartwell Road	4	Oakville	Opencut
WWTP	Skyway Wastewater Treatment Plant	10	Burlington	Opencut
2021 Sub-Total		100		5,976
2022 Projects				
34	Roseland	23	Burlington	Opencut
12	Ninth Line	59	Oakville	Opencut
45	Weaver Avenue	1	Oakville	Opencut
	Oakville Southeast	30	Oakville	Opencut
2022 Sub-Total		113		6,008
2023 Projects				
WWTP	Mid Halton Wastewater Treatment Plant	23	Oakville	Opencut
55	Third Line	54	Oakville	Opencut
43	Morrison Heights	2	Oakville	Opencut
50	Sheldon Creek	3	Oakville	Opencut
21	Walker Street	10	Oakville	Opencut
18	Navy Street	7	Oakville	Opencut
40	Oakland Park	9	Burlington	Opencut
WWTP	Georgetown Wastewater Treatment Plant	3	Georgetown	Full Length Liner



CAPITAL BUDGET

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WASTEWATER-CAPITAL

BUDGET & BUSINESS PLAN

BASEMENT FLOODING MITIGATION DETAILS				
ID 7734 - CAPITAL UPGRADES TO ADDRESS BASEMENT FLOODING				
SEWER CATCHMENT ID NUMBER	NAME OF CATCHMENT	NUMBER OF PROJECTS	MUNICIPALITY	TYPE OF WORK
2	Gollop Crescent	1	Georgetown	Full Length Liner
83	Main Street	1	Georgetown	Full Length Liner
100	10 Side Road	1	Georgetown	Full Length Liner
33	Junction	3	Burlington	Full Length Liner
34	Roseland	3	Burlington	Full Length Liner
2023 Sub-Total		97		6,000
2024 Projects				
WWTP	Skyway Wastewater Treatment Plant	41	Burlington	Full Length Liner
WWTP	Milton Wastewater Treatment Plant	5	Milton	Full Length Liner
86	MidBlock Arterial	3	Milton	Full Length Liner
88	Laurier Avenue	1	Milton	Full Length Liner
WWTP	Acton Wastewater Treatment Plant	1	Acton	Full Length Liner
83	Lakeview	1	Acton	Full Length Liner
55	Third Line	7	Oakville	Full Length Liner
65	Coronation Park	16	Oakville	Full Length Liner
87	16 Mile Creek	3	Oakville	Full Length Liner
0	Oak SW	16	Oakville	Full Length Liner
12	Ninth Line	11	Oakville	Full Length Liner
29	West River	1	Oakville	Full Length Liner
31	Elizabeth Gardens	1	Oakville	Full Length Liner
50	Sheldon Creek	1	Oakville	Full Length Liner
WWTP	Mid Halton Wastewater Treatment Plant	2	Oakville	Full Length Liner
WWTP	Oakville SouthEast Wastewater Treatment Plant	5	Oakville	Full Length Liner
WWTP	Skyway Wastewater Treatment Plant	327	Burlington	Spot Repair
2024 Sub-Total		442		6,033
2025 Projects				
55	Third Line	45	Oakville	Spot Repair



BASEMENT FLOODING MITIGATION DETAILS				
ID 7734 - CAPITAL UPGRADES TO ADDRESS BASEMENT FLOODING				
SEWER CATCHMENT ID NUMBER	NAME OF CATCHMENT	NUMBER OF PROJECTS	MUNICIPALITY	TYPE OF WORK
65	Coronation Park	61	Oakville	Spot Repair
66	Belvedere Drive	4	Oakville	Spot Repair
78	Providence Road	1	Oakville	Spot Repair
79	Riverbank Way	1	Oakville	Spot Repair
87	16 Mile Creek	39	Oakville	Spot Repair
WWTP	Oakville SouthWest Wastewater Treatment Plant	60	Oakville	Spot Repair
9	Carrington Park	6	Oakville	Spot Repair
12	Ninth Line	79	Oakville	Spot Repair
13	Bel Air Estates	4	Oakville	Spot Repair
15	Raymar Place	1	Oakville	Spot Repair
17	Gairloch Gardens	2	Oakville	Spot Repair
18	Navy Street	3	Oakville	Spot Repair
20	Lakewood Drive	1	Oakville	Spot Repair
21	Walker Street	1	Oakville	Spot Repair
23	BirchHill Lane	2	Oakville	Spot Repair
29	West River Street	8	Oakville	Spot Repair
31	Elizabeth Gardens	4	Oakville	Spot Repair
42	Chartwell Road	1	Oakville	Spot Repair
45	Weaver Avenue	8	Oakville	Spot Repair
50	Sheldon Creek	1	Oakville	Spot Repair
WWTP	Mid Halton Wastewater Treatment Plant	13	Oakville	Spot Repair
WWTP	Oakville SouthEest Wastewater Treatment Plant	24	Oakville	Spot Repair
33	Junction	10	Burlington	Spot Repair
34	Roseland	21	Burlington	Spot Repair
57	NorthShore Boulevard	4	Burlington	Spot Repair
68	Indian Road	1	Burlington	Spot Repair
77	Bridgeview	7	Burlington	Spot Repair
WWTP	Georgetown Wastewater Treatment Plant	36	Georgetown	Spot Repair

BASEMENT FLOODING MITIGATION DETAILS				
ID 7734 - CAPITAL UPGRADES TO ADDRESS BASEMENT FLOODING				
SEWER CATCHMENT ID NUMBER	NAME OF CATCHMENT	NUMBER OF PROJECTS	MUNICIPALITY	TYPE OF WORK
1	Armstrong Avenue	2	Georgetown	Spot Repair
2	Gollop Crescent	1	Georgetown	Spot Repair
3	Lynden Circle	2	Georgetown	Spot Repair
4	Moore Park	1	Georgetown	Spot Repair
83	Main Street	5	Georgetown	Spot Repair
WWTP	Acton Wastewater Treatment Plant	8	Acton	Spot Repair
5	Agnes Street	5	Acton	Spot Repair
53	Lakeview	4	Acton	Spot Repair
0	Milton Main	67	Milton	Spot Repair
84	Boyne	5	Milton	Spot Repair
86	MidBlock Arterial	65	Milton	Spot Repair
88	Laurier Avenue	22	Milton	Spot Repair
103	Tremaine Road	28	Milton	Spot Repair
	2025 Sub-Total	663		5,744
	Total	1,281		47,711

HALTON REGION

Budget and Business Plan 2018

Wastewater Development

CAPITAL BUDGET

2018

WASTEWATER-CAPITAL

BUDGET & BUSINESS PLAN

DEVELOPMENT		2018 WASTEWATER SYSTEM PROJECT LISTING 2018 (000 DOLLARS)					REGIONAL RESPONSIBILITY			
PROJECT NUMBER	UNIQUE ID	PROJECT DESCRIPTION	GROSS COST	SUBY/ RECOV	DEVEL. CHGS.		GEN RESERV	CAP INVT RESERV	DEBENTURES	
					NON-RES	RES			GROWTH	REGIONAL
<u>Disposal Activities</u>										
	7544	Boyne WWPS - Decommissioning upon completion of gravity sewers #7159, #6382, #6381 (MIL)	20			15		5		
	7540	Decommissioning of Riverside WWPS and Shorewood Place WWPS (OAK)	60			46		14		
		Sub-total	80			61		19		
<u>Expansion Activities</u>										
PR-3161	6492	825-900 mm WWM on Maple Avenue East Between Lakeshore Rd and Plains Rd East (BUR)	7,764			1,180	6,211	373		
	6511	Twinning of 525 - 600 mm WWM from Elgin St South along Black Creek alignment to Acton WWTP (HHACT)	50			14	31	5		
	7526	Agnes St WWPS Strategy. Scoping Study, EA, Design and Construction (HHACT)	50			6	42	2		
	6493	375 mm WWM on Atwood Ave/Murno Circle and existing sewer alignment from Berton Blvd to Maple Ave (HHGEO)	422			71	329	22		
	6506	750 mm WWM on 9th Line from Argyll Rd to 10th Side Rd - Georgetown South Connection (HHGEO)	1,290			955		335		
	6567	Twinned 300mm WWFM on 10th Side Rd from 9th Ln to New WW #9 (HHGEO)	157			116		41		
	6570	360 L/s WWPS at 10 Side Rd/9th Line (HHGEO)	1,420			1,051		369		
	7539	Norval WWPS - Capacity upgrade (HHGEO)	69			52		17		



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BUDGET & BUSINESS PLAN

DEVELOPMENT		2018 WASTEWATER SYSTEM PROJECT LISTING 2018 (000 DOLLARS)						REGIONAL RESPONSIBILITY			
PROJECT NUMBER	UNIQUE ID	PROJECT DESCRIPTION	GROSS COST	SUBY/ RECOV	DEVEL. CHGS.		GEN RESERV	CAP INVT RESERV	DEBENTURES		
					NON-RES	RES			GROWTH	REGIONAL	
	7546	750 mm WWM on No 10 Side Road from WWPS #100 to Eighth Line (in order to decommission WWPS #100) (HHGEO)	694			527		167			
PR-3009	5906	750 mm WWM on new road alignment from Louis St. Laurent to Britannia Rd (MIL)	1,594			1,180		414			
	6553	450 mm WWM on Louis St Laurent extension from 340m west of Tremaine Rd to Tremaine Rd (MIL)	844			625		219			
PR-3024	6562	450 mm WWM on new road from 440 m north of Derry Rd to Derry Rd and 525 mm WWM on Derry Rd from 725 m east of 5th Line to 5th Line (MIL)	227			168		59			
	7524	450 mm WWM through developer subdivison from ID 6114 on Thompson Rd westerly (MIL)	117			87		30			
	7531	525mm WWM on Fourth Line from Britannia Rd to approximately 900 m north (MIL)	673			498		175			
	7533	Twinned 750 mm WWFM on Britannia Rd from Trafalgar Rd to 6th Line - Construction (MIL)	11,774			8,713		3,061			
	7535	1200 mm WWM on Britannia Rd from 6th Line to 5th Line - Construction (MIL)	13,707			10,143		3,564			
	7547	1200 mm WWM on Britannia Rd to 5th Line to James Snow Pkwy - Construction (MIL)	5,812			4,301		1,511			
	7551	1,200 L/s WWPS on Trafalgar Rd/ Britannia Rd - Construction (MIL)	334			247		87			
PR-3021	4994	600 mm WWM on new North Oakville road from Burnhamthorpe Rd to Dundas St (OAK)	1,268			938		330			
	6527	Twin 600 mm WWM on service road to Marine Drive WWPS from Marine Drive (OAK)	26			20		6			



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WASTEWATER-CAPITAL

BUDGET & BUSINESS PLAN

DEVELOPMENT		2018 WASTEWATER SYSTEM PROJECT LISTING 2018 (000 DOLLARS)						REGIONAL RESPONSIBILITY			
PROJECT NUMBER	UNIQUE ID	PROJECT DESCRIPTION	GROSS COST	SUBY/ RECOV	DEVEL. CHGS.		GEN RESERV	CAP INVT RESERV	DEBENTURES		
					NON-RES	RES			GROWTH	REGIONAL	
PR-2388	7168	450 mm sewer on Burnhamthorpe Rd from Neyagawa Blvd. to King's Christian Collegiate (OAK)	130			96		34			
	7522	525 mm WWM through developer subdivision from ID 5063 to Burnhamthorpe Rd W (OAK)	301			223		78			
	7543	Gravity Sewers from Decommissioned Riverside WWPS and Shorewood Place SPS to New Rebecca Trunk (OAK)	780			593		187			
	7556	West River WWPS - Capacity Upgrade to 120 L/s WWPS - Design and Construction, including 450 mm inlet WWM to the station on Service Rd from West River St to West River WWPS (OAK)	2,315			651	1,458	206			
		Sub-total	51,818			32,455	8,071	11,292			
Non-Infrastructure Solutions											
	7517	Halton Wastewater Master Plan (REG)	450			333		117			
PR-2678C	7518	Wastewater Collection System Analysis (REG)	110			81		29			
PR-2679C	7519	Wastewater Treatment Capacity Annual Monitoring Report (REG)	50			37		13			
		Sub-total	610			451		159			



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WASTEWATER-CAPITAL

BUDGET & BUSINESS PLAN

DEVELOPMENT		2018 WASTEWATER SYSTEM PROJECT LISTING 2018 (000 DOLLARS)								
PROJECT NUMBER	UNIQUE ID	PROJECT DESCRIPTION	GROSS COST	SUBY/ RECOV	REGIONAL RESPONSIBILITY					
					DEVEL. CHGS.		GEN	CAP INVT	DEBENTURES	
					NON-RES	RES	RESERV	RESERV	GROWTH	REGIONAL
		Total	52,508			32,967	8,071	11,470		
		Summary								
		Disposal Activities	80		61		19			
		Expansion Activities	51,818		32,455	8,071	11,292			
		Non-Infrastructure Solutions	610		451		159			
		Grand Total	52,508		32,967	8,071	11,470			



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BUDGET & BUSINESS PLAN

DEVELOPMENT													
2018-2027 WASTEWATER FORECAST PROJECT FORECAST LISTING 2018 (000 DOLLARS)													
PR NO	UNIQ ID	PROJECT DESCRIPTION	GROSS COST	GROSS EXPENDITURE BY YEAR									
				2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
Disposal Activities													
	6508	Decommissioning of HH WWPS #3, connection to new 8th Line trunk sewer and conversion of site to septage receiving facility (HHS)	785				157	628					
	7544	Boyne WWPS - Decommissioning upon completion of gravity sewers #7159, #6382, #6381 (MIL)	100	20	80								
	7540	Decommissioning of Riverside WWPS and Shorewood Place WWPS (OAK)	300	60	240								
		Sub-total	1,185	80	320		157	628					
Expansion Activities													
	5907	300 mm WWM North Aldershot Servicing (BUR)	4,563							913			3,650
PR-3161	6492	825-900 mm WWM on Maple Avenue East Between Lakeshore Rd and Plains Rd East (BUR)	7,764	7,764									
	7527	Upsize WWM on Lasalle Park Road from Fairwood Pl to Lasalle WWPS (BUR)	683		137		546						
PR-3134	7532	New 2400 mm WWM inlet to Skyway WWTP parallel to QEW (BUR)	24,312						3,768			20,544	
	7534	450 mm WWM on new road in Milton Education Village from 800m north of Louis St Laurent extension to Louis St Laurent extension (BUR)	634							127			507
	7537	Junction St WWPS - Capacity Upgrade to 150 L/s WWPS - Design and Construction (BUR)	2,455										2,455
	6511	Twinning of 525 - 600 mm WWM from Elgin St South along Black Creek alignment to Acton WWTP (HHACT)	3,028	50		462		2,516					



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PR NO	UNIQ ID	PROJECT DESCRIPTION	GROSS COST	GROSS EXPENDITURE BY YEAR									
				2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
	7526	Agnes St WWPS Strategy. Scoping Study, EA, Design and Construction (HHACT)	7,239	50	150	1,002		6,037					
	6493	375 mm WWM on Atwood Ave/Murno Circle and existing sewer alignment from Berton Blvd to Maple Ave (HHGEO)	2,726	422	2,304								
	6506	750 mm WWM on 9th Line from Argyll Rd to 10th Side Rd - Georgetown South Connection (HHGEO)	8,320	1,290	7,030								
	6567	Twinned 300mm WWFM on 10th Side Rd from 9th Ln to New WW #9 (HHGEO)	1,006	157	849								
	6570	360 L/s WWPS at 10 Side Rd/9th Line (HHGEO)	8,363	1,420	6,943								
	6586	750 mm WWM on 8th Line from Argyll Rd to 10th Side Rd (HHGEO)	3,135		486	2,649							
	6587	600 mm WWM on 8th Line from Miller Rd to Argyll Rd (HHGEO)	2,671		415	2,256							
	7539	Norval WWPS - Capacity upgrade (HHGEO)	347	69	278								
	7542	Main St WWPS Capacity Upgrade (HHGEO)	260		260								
	7546	750 mm WWM on No 10 Side Road from WWPS #100 to Eighth Line (in order to decommission WWPS #100) (HHGEO)	4,477	694	3,783								
	7549	900 mm WWM on 8th Line from 10th Side Rd to 5th Side Rd - Construction (HHGEO)	24,072		24,072								
	7550	900 mm WWM on 8th Line from 5th Side Rd to Steeles Ave - Construction (HHGEO)	9,530		9,530								
	7552	1050 mm WWM on Steeles Ave from 8th Line to Crossing Easement - Construction (HHGEO)	3,156		3,156								



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2018-2027 WASTEWATER FORECAST													
PROJECT FORECAST LISTING 2018 (000 DOLLARS)													
PR NO	UNIQ ID	PROJECT DESCRIPTION	GROSS COST	GROSS EXPENDITURE BY YEAR									
				2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
PR-3009	5906	750 mm WWM on new road alignment from Louis St. Laurent to Britannia Rd (MIL)	10,288	1,594		8,694							
	6497	300 mm WWM on Derry Rd from 8th Line to Trafalgar Rd (MIL)	885							177		708	
	6498	450 mm WWM on new road from 8th Line to Trafalgar Rd (MIL)	1,651							330		1,321	
	6499	300 mm WWM on Britannia Rd from 8th Line to Trafalgar/ Britannia WWPS (MIL)	1,148							230		918	
	6500	600mm WWM on 4th Line from new road to Lower Base Line WWPS (MIL)	4,632							926		3,706	
	6501	450 mm WWM on 4th Line from south of Britannia Rd to new road (MIL)	3,722							744		2,978	
	6502	525 mm WWM on Thompson Rd and new internal road from south of Britannia to 4th Line (MIL)	2,520							504		2,016	
	6503	300 mm WWM on 8th Line from north of Derry Rd to Derry Rd (MIL)	537							107		430	
	6504	450 mm WWM on 8th Line from north of new road to new road (MIL)	864							173		691	
	6505	300 mm WWM on 8th Line from north of Britannia Rd to Britannia Rd (MIL)	424							85		339	
	6515	300 mm WWM on Childs Drive between the south entrance of Satok Crescent and Nipissing Road (MIL)	89									89	
	6517	450 mm WWM on Oak Street between Ontario St South and Fulton St (MIL)	223									223	



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DEVELOPMENT		2018-2027 WASTEWATER FORECAST PROJECT FORECAST LISTING 2018 (000 DOLLARS)												
PR NO	UNIQU ID	PROJECT DESCRIPTION	GROSS COST	GROSS EXPENDITURE BY YEAR										
				2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	
	6552	450mm WWM on new road alignment in Milton Education Village from Louis St Laurent extension to 1115 m south (MIL)	883								177		706	
	6553	450 mm WWM on Louis St Laurent extension from 340m west of Tremaine Rd to Tremaine Rd (MIL)	844	844										
	6554	600 mm WWM on Lower Base Line from WWFM discharge approx 650 m west of 1st Line to Regional Rd 25 (MIL)	9,034								1,807		7,227	
	6555	New 225 L/s WWPS on Tremaine Rd at Lower Base Line (MIL)	7,314							1,463		5,851		
	6556	Twin 400 mm WWFM from Tremaine WWPS to Lower Base Line, approx 650 m west of 1st Line (MIL)	4,520							904		3,616		
	6557	600 mm WWM on Tremaine Rd from approximately 1500 m north of South Tremaine Rd WWPS to South Tremaine Rd WWPS (MIL)	6,583								1,317		5,266	
	6559	525 mm WWM on Tremaine Rd from Britannia Rd to 1050 m south of Britannia Rd (MIL)	4,629								926		3,703	
	6560	525 mm WWM on James Snow Pkwy and new road alignment from Steeles Ave to Esquesing Line (MIL)	2,065								413		1,652	
	6561	450 mm WWM on new road and Britannia Rd from Milton Education Village to Tremaine Rd (MIL)	562								112		450	
PR-3024	6562	450 mm WWM on new road from 440 m north of Derry Rd to Derry Rd and 525 mm WWM on Derry Rd from 725 m east of 5th Line to 5th Line (MIL)	1,465	227		1,238								
	6564	525 mm WWM on new alignment from Esquesing Line to 3rd Line (MIL)	3,157								631		2,526	
	6578	525 WWM on Trafalgar Rd from south of Britannia Rd to Britannia Rd/ Trafalgar Rd WWPS (MIL)	4,389									878		3,511



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2018-2027 WASTEWATER FORECAST PROJECT FORECAST LISTING 2018 (000 DOLLARS)													
PR NO	UNIQ ID	PROJECT DESCRIPTION	GROSS COST	GROSS EXPENDITURE BY YEAR									
				2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
	6581	1350mm WWM on 5th Line from Britannia Rd to Lower Base Line (MIL)	15,678								3,136		12,542
	6582	1350 mm WWM on Lower Base Line from 5th Line to 4th Line (MIL)	10,003								2,001		8,002
	6583	525 mm WWM on new road from 1400 m north of Britannia Rd to Britannia Rd (MIL)	5,727							1,145		4,582	
	6584	1,805 L/s WWPS at Lower Base Line and 4th Line (MIL)	30,369		607					6,074		23,688	
	6585	Twinned 900 mm WWFM from Lower Base Line to RR 25 (MIL)	63,500		1,270					11,430		50,800	
	7524	450 mm WWM through developer subdivision from ID 6114 on Thompson Rd westerly (MIL)	756	117		639							
	7529	1050 mm WWM on Trafalgar Rd from Derry Rd to Golf Course - Construction (MIL)	7,307		7,307								
	7530	1050 mm WWM on Trafalgar Rd from Golf Course to Britannia Rd / Trafalgar Rd WWPS - Construction (MIL)	11,134		11,134								
	7531	525mm WWM on Fourth Line from Britannia Rd to approximately 900 m north (MIL)	4,337	673		3,664							
	7533	Twinned 750 mm WWFM on Britannia Rd from Trafalgar Rd to 6th Line - Construction (MIL)	11,774	11,774									
	7535	1200 mm WWM on Britannia Rd from 6th Line to 5th Line - Construction (MIL)	13,707	13,707									
	7547	1200 mm WWM on Britannia Rd to 5th Line to James Snow Pkwy - Construction (MIL)	5,812	5,812									
	7551	1,200 L/s WWPS on Trafalgar Rd/ Britannia Rd - Construction (MIL)	22,107	334	21,773								



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PROJECT FORECAST LISTING 2018 (000 DOLLARS)													
PR NO	UNIQ ID	PROJECT DESCRIPTION	GROSS COST	GROSS EXPENDITURE BY YEAR									
				2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
	7553	1050 mm WWM 401 Crossing from Steeles Ave to Auburn Rd - Construction (MIL)	13,843		13,843								
	7554	1050 mm WWM on Auburn Rd from Hwy 401 crossing easement to Trafalgar Rd - Construction (MIL)	4,473		4,473								
	7555	1050 mm WWM on Trafalgar Rd from Auburn Rd to Derry Rd - Construction (MIL)	10,005		10,005								
PR-3021	4994	600 mm WWM on new North Oakville road from Burnhamthorpe Rd to Dundas St (OAK)	8,184	1,268		6,916							
PR-3019	6481	450 mm WWM on internal road parallel to Dundas St from west of 16 Mile Creek Bridge to 190 m east of Proudfoot Trail (OAK)	480		75		405						
	6527	Twin 600 mm WWM on service road to Marine Drive WWPS from Marine Drive (OAK)	153	26		127							
	6530	300 mm WWM on Kerr St between Forster Park and Rebecca St (OAK)	957			149		808					
	6531	250 mm WWM on Chisholm/Rebecca St between Forsyth St and Chisholm St on Rebecca St and on Chisholm St between Rebecca St and 45 m north of Lakeshore Rd West (OAK)	47									47	
	6535	450 mm WWM on Trafalgar Rd between 10 m north of Inglehart Street North to Cross Ave (OAK)	1,273						255			1,018	
	6537	675 mm WWM on Trafalgar Rd, through GO lot and on Argus St from Spruce St to 60 m north of Cross Ave (OAK)	3,503						701			2,802	
PR-3135	6588	Mid-Halton WWTP expansion from 125 ML/d to 175 ML/d (OAK)	97,766				17,957			79,809			
PR-2388	7168	450 mm sewer on Burnhamthorpe Rd from Neyagawa Blvd. to King's Christian Collegiate (OAK)	130	130									



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2018-2027 WASTEWATER FORECAST PROJECT FORECAST LISTING 2018 (000 DOLLARS)													
PR NO	UNIQ ID	PROJECT DESCRIPTION	GROSS COST	GROSS EXPENDITURE BY YEAR									
				2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
PR-2079D	7520	600 mm WWM crossing Dundas St and 600 mm WWM on Dundas St from 900m west of Colonel Williams Parkway to Colonel Williams Parkway (Construction) (OAK)	3,849		3,849								
	7522	525 mm WWM through developer subdivision from ID 5063 to Burnhamthorpe Rd W (OAK)	1,944	301		1,643							
	7523	600 mm WWM on Trafalgar Rd from ID 5062 to Burnhamthorpe Rd E (OAK)	3,014			3,014							
	7528	North WWPS expansion of 1,200 L/s at Mid-Halton WWTP (OAK)	4,513									4,513	
	7541	Walker St WWPS - I/I reduction Program to gain capacity at the station. Scoping Study, Design and Construction (OAK)	2,347		286				349			1,712	
	7543	Gravity Sewers from Decommissioned Riverside WWPS and Shorewood Place SPS to New Rebecca Trunk (OAK)	3,900	780	3,120								
	7556	West River WWPS - Capacity Upgrade to 120 L/s WWPS - Design and Construction, including 450 mm inlet WWM to the station on Service Rd from West River St to West River WWPS (OAK)	11,574	2,315	9,259								
		Sub-total	565,335	51,818	129,567	49,280	18,908	9,361	105,898	14,836	115,491	66,665	3,511
Non-Infrastructure Solutions													
PR-2678C PR-2679C	7521	Black Creek Monitoring Program (HHACT)	400		50	50	50	50	50	50	50	50	50
	7517	Halton Wastewater Master Plan (REG)	1,250	450					800				
	7518	Wastewater Collection System Analysis (REG)	1,100	110	110	110	110	110	110	110	110	110	110
	7519	Wastewater Treatment Capacity Annual Monitoring Report (REG)	500	50	50	50	50	50	50	50	50	50	50
		Sub-total	3,250	610	210	210	210	210	1,010	210	210	210	160



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2018-2027 WASTEWATER FORECAST PROJECT FORECAST LISTING 2018 (000 DOLLARS)													
PR NO	UNIQ ID	PROJECT DESCRIPTION	GROSS COST	GROSS EXPENDITURE BY YEAR									
				2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
		Total Required Financing	569,770	52,508	130,097	49,490	19,275	10,199	106,908	15,046	115,701	66,875	3,671

