



Halton Region Budget and Business Plan 2020



Capital Report

Halton Region

Budget and Business Plan 2020

Tax - Capital

CAPITAL BUDGET
TAX-CAPITAL

2020
BUDGET & BUSINESS PLAN

2020 - 2029 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
2020 Finance									
Capital & Development Financing	814	-	814	230	575	8	-	-	-
Health									
Paramedic Services	368	-	368	18	134	216	-	-	-
Health -Other	-	-	-	-	-	-	-	-	-
Sub-total	368	-	368	18	134	216	-	-	-
Legislative & Planning Services									
Planning	20,620	-	20,620	29	2,370	18,221	-	-	-
Economic Development	185	-	185	-	-	185	-	-	-
Sub-total	20,805	-	20,805	29	2,370	18,406	-	-	-
Social & Community Services									
Childrens Services	50	-	50	-	-	50	-	-	-
Services for Seniors	2,920	57	2,863	-	-	2,863	-	-	-
Sub-total	2,970	57	2,913	-	-	2,913	-	-	-
Strategic Transformation									
Energy, Fleet and Facilities	2,763	-	2,763	-	-	2,763	-	-	-
Information Technology	4,585	-	4,585	-	-	4,585	-	-	-
Communications and Customer Service	-	-	-	-	-	-	-	-	-
Sub-total	7,348	-	7,348	-	-	7,348	-	-	-
Public Works									
Transportation	305,516	44,817	260,699	-	124,311	136,388	-	-	-
Waste Management	3,668	-	3,668	-	-	3,668	-	-	-
Sub-total	309,184	44,817	264,367	-	124,311	140,056	-	-	-
Halton Regional Police Service	8,627	-	8,627	288	694	7,645	-	-	-
TOTAL 2020	350,117	44,874	305,242	565	128,085	176,592	-	-	-
2021 Finance									
Capital & Development Financing	610	-	610	173	431	6	-	-	-
Health									
Paramedic Services	2,103	-	2,103	76	570	1,457	-	-	-
Health -Other	-	-	-	-	-	-	-	-	-
Sub-total	2,103	-	2,103	76	570	1,457	-	-	-
Legislative & Planning Services									
Planning	12,820	-	12,820	29	2,870	9,921	-	-	-
Economic Development	-	-	-	-	-	-	-	-	-
Sub-total	12,820	-	12,820	29	2,870	9,921	-	-	-
Social & Community Services									
Childrens Services	50	-	50	-	-	50	-	-	-
Services for Seniors	650	57	593	-	-	593	-	-	-
Sub-total	700	57	643	-	-	643	-	-	-
Strategic Transformation									
Energy, Fleet and Facilities	8,228	-	8,228	-	-	8,228	-	-	-
Information Technology	5,759	-	5,759	-	-	5,759	-	-	-
Communications and Customer Service	-	-	-	-	-	-	-	-	-
Sub-total	13,987	-	13,987	-	-	13,987	-	-	-
Public Works									
Transportation	150,950	-	150,950	-	64,176	86,774	-	-	-
Waste Management	889	-	889	-	-	889	-	-	-
Sub-total	151,839	-	151,839	-	64,176	87,663	-	-	-
Halton Regional Police Service	5,777	-	5,777	279	680	4,818	-	-	-
TOTAL 2021	187,837	57	187,779	556	68,728	118,495	-	-	-

CAPITAL BUDGET
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BUDGET & BUSINESS PLAN

2020 - 2029 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									
Capital & Development Financing	305	-	305	86	216	3	-	-	-
Health									
Paramedic Services	1,779	-	1,779	37	280	1,462	-	-	-
Health -Other	51	-	51	-	-	51	-	-	-
Sub-total	1,830	-	1,830	37	280	1,513	-	-	-
Legislative & Planning Services									
Planning	29,719	-	29,719	138	5,682	23,899	-	-	-
Economic Development	8,000	-	8,000	-	-	8,000	-	-	-
Sub-total	37,719	-	37,719	138	5,682	31,899	-	-	-
Social & Community Services									
Childrens Services	50	-	50	-	-	50	-	-	-
Services for Seniors	650	57	593	-	-	593	-	-	-
Sub-total	700	57	643	-	-	643	-	-	-
Strategic Transformation									
Energy, Fleet and Facilities	3,697	-	3,697	-	-	3,697	-	-	-
Information Technology	4,257	-	4,257	-	-	4,257	-	-	-
Communications and Customer Service	-	-	-	-	-	-	-	-	-
Sub-total	7,954	-	7,954	-	-	7,954	-	-	-
Public Works									
Transportation	132,449	-	132,449	-	55,602	76,847	-	-	-
Waste Management	3,868	-	3,868	-	-	3,868	-	-	-
Sub-total	136,317	-	136,317	-	55,602	80,715	-	-	-
Halton Regional Police Service	10,294	-	10,294	279	690	6,265	-	954	2,106
TOTAL 2022	195,119	57	195,062	540	62,470	128,991	-	954	2,106
2023 Finance									
Capital & Development Financing	305	-	305	86	216	3	-	-	-
Health									
Paramedic Services	4,877	-	4,877	91	681	4,105	-	-	-
Health -Other	51	-	51	-	-	51	-	-	-
Sub-total	4,928	-	4,928	91	681	4,156	-	-	-
Legislative & Planning Services									
Planning	11,720	-	11,720	157	4,187	7,376	-	-	-
Economic Development	-	-	-	-	-	-	-	-	-
Sub-total	11,720	-	11,720	157	4,187	7,376	-	-	-
Social & Community Services									
Childrens Services	50	-	50	-	-	50	-	-	-
Services for Seniors	650	57	593	-	-	593	-	-	-
Sub-total	700	57	643	-	-	643	-	-	-
Strategic Transformation									
Energy, Fleet and Facilities	33,219	-	33,219	-	-	33,219	-	-	-
Information Technology	4,970	-	4,970	-	-	4,970	-	-	-
Communications and Customer Service	-	-	-	-	-	-	-	-	-
Sub-total	38,189	-	38,189	-	-	38,189	-	-	-
Public Works									
Transportation	94,246	-	94,246	-	45,542	48,704	-	-	-
Waste Management	13,870	-	13,870	33	636	13,201	-	-	-
Sub-total	108,116	-	108,116	33	46,178	61,905	-	-	-
Halton Regional Police Service	8,587	-	8,587	570	1,409	4,568	-	636	1,404
TOTAL 2023	172,545	57	172,488	938	52,671	116,839	-	636	1,404

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
2024 Finance									
Capital & Development Financing	305	-	305	86	216	3	-	-	-
Health									
Paramedic Services	5,269	-	5,269	31	229	5,009	-	-	-
Health -Other	51	-	51	-	-	51	-	-	-
Sub-total	5,320	-	5,320	31	229	5,060	-	-	-
Legislative & Planning Services									
Planning	14,460	-	14,460	315	5,074	9,071	-	-	-
Economic Development	-	-	-	-	-	-	-	-	-
Sub-total	14,460	-	14,460	315	5,074	9,071	-	-	-
Social & Community Services									
Childrens Services	50	-	50	-	-	50	-	-	-
Services for Seniors	650	57	593	-	-	593	-	-	-
Sub-total	700	57	643	-	-	643	-	-	-
Strategic Transformation									
Energy, Fleet and Facilities	3,262	-	3,262	-	-	3,262	-	-	-
Information Technology	5,340	-	5,340	-	-	5,340	-	-	-
Communications and Customer Service	15	-	15	-	-	15	-	-	-
Sub-total	8,617	-	8,617	-	-	8,617	-	-	-
Public Works									
Transportation	133,140	-	133,140	-	64,387	68,753	-	-	-
Waste Management	1,334	-	1,334	-	-	1,334	-	-	-
Sub-total	134,474	-	134,474	-	64,387	70,087	-	-	-
Halton Regional Police Service	7,111	-	7,111	279	700	6,132	-	-	-
TOTAL 2024	170,987	57	170,930	711	70,606	99,612	-	-	-
2025 Finance									
Capital & Development Financing	814	-	814	230	575	8	-	-	-
Health									
Paramedic Services	2,812	-	2,812	72	535	2,205	-	-	-
Health -Other	17	-	17	-	-	17	-	-	-
Sub-total	2,829	-	2,829	72	535	2,222	-	-	-
Legislative & Planning Services									
Planning	12,720	-	12,720	243	4,898	7,579	-	-	-
Economic Development	-	-	-	-	-	-	-	-	-
Sub-total	12,720	-	12,720	243	4,898	7,579	-	-	-
Social & Community Services									
Childrens Services	50	-	50	-	-	50	-	-	-
Services for Seniors	650	57	593	-	-	593	-	-	-
Sub-total	700	57	643	-	-	643	-	-	-
Strategic Transformation									
Energy, Fleet and Facilities	3,707	-	3,707	-	-	3,707	-	-	-
Information Technology	5,131	-	5,131	-	-	5,131	-	-	-
Communications and Customer Service	-	-	-	-	-	-	-	-	-
Sub-total	8,838	-	8,838	-	-	8,838	-	-	-
Public Works									
Transportation	221,532	-	221,532	-	109,574	111,958	-	-	-
Waste Management	15,223	-	15,223	-	-	15,223	-	-	-
Sub-total	236,755	-	236,755	-	109,574	127,181	-	-	-
Halton Regional Police Service	8,909	-	8,909	75	204	8,630	-	-	-
TOTAL 2025	271,565	57	271,508	621	115,787	155,101	-	-	-

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				NON- RESIDENTIAL	RESIDENTIAL			GROWTH	REGIONAL
2026 Finance									
Capital & Development Financing	610	-	610	173	431	6	-	-	-
Health									
Paramedic Services	2,942	-	2,942	62	461	2,419	-	-	-
Health -Other	34	-	34	-	-	34	-	-	-
Sub-total	2,976	-	2,976	62	461	2,453	-	-	-
Legislative & Planning Services									
Planning	21,470	-	21,470	172	4,722	16,576	-	-	-
Economic Development	-	-	-	-	-	-	-	-	-
Sub-total	21,470	-	21,470	172	4,722	16,576	-	-	-
Social & Community Services									
Childrens Services	50	-	50	-	-	50	-	-	-
Services for Seniors	650	57	593	-	-	593	-	-	-
Sub-total	700	57	643	-	-	643	-	-	-
Strategic Transformation									
Energy, Fleet and Facilities	4,043	-	4,043	-	-	4,043	-	-	-
Information Technology	4,432	-	4,432	-	-	4,432	-	-	-
Communications and Customer Service	-	-	-	-	-	-	-	-	-
Sub-total	8,475	-	8,475	-	-	8,475	-	-	-
Public Works									
Transportation	121,386	-	121,386	-	64,495	56,891	-	-	-
Waste Management	1,390	-	1,390	-	-	1,390	-	-	-
Sub-total	122,776	-	122,776	-	64,495	58,281	-	-	-
Halton Regional Police Service	5,638	-	5,638	75	204	5,359	-	-	-
TOTAL 2026	162,645	57	162,588	481	70,314	91,793	-	-	-
2027 Finance									
Capital & Development Financing	305	-	305	86	216	3	-	-	-
Health									
Paramedic Services	3,670	-	3,670	81	603	2,986	-	-	-
Health -Other	17	-	17	-	-	17	-	-	-
Sub-total	3,687	-	3,687	81	603	3,003	-	-	-
Legislative & Planning Services									
Planning	13,720	-	13,720	243	4,898	8,579	-	-	-
Economic Development	-	-	-	-	-	-	-	-	-
Sub-total	13,720	-	13,720	243	4,898	8,579	-	-	-
Social & Community Services									
Childrens Services	50	-	50	-	-	50	-	-	-
Services for Seniors	650	57	593	-	-	593	-	-	-
Sub-total	700	57	643	-	-	643	-	-	-
Strategic Transformation									
Energy, Fleet and Facilities	4,193	-	4,193	-	-	4,193	-	-	-
Information Technology	4,877	-	4,877	-	-	4,877	-	-	-
Communications and Customer Service	-	-	-	-	-	-	-	-	-
Sub-total	9,070	-	9,070	-	-	9,070	-	-	-
Public Works									
Transportation	205,181	-	205,181	-	113,137	92,044	-	-	-
Waste Management	606	-	606	-	-	606	-	-	-
Sub-total	205,787	-	205,787	-	113,137	92,650	-	-	-
Halton Regional Police Service	5,742	-	5,742	366	913	4,463	-	-	-
TOTAL 2027	239,012	57	238,955	777	119,767	118,411	-	-	-

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
2028 Finance									
Capital & Development Financing	305	-	305	86	216	3	-	-	-
Health									
Paramedic Services	3,171	-	3,171	77	578	2,516	-	-	-
Health -Other	-	-	-	-	-	-	-	-	-
Sub-total	3,171	-	3,171	77	578	2,516	-	-	-
Legislative & Planning Services									
Planning	13,220	-	13,220	243	4,898	8,079	-	-	-
Economic Development	-	-	-	-	-	-	-	-	-
Sub-total	13,220	-	13,220	243	4,898	8,079	-	-	-
Social & Community Services									
Childrens Services	50	-	50	-	-	50	-	-	-
Services for Seniors	650	57	593	-	-	593	-	-	-
Sub-total	700	57	643	-	-	643	-	-	-
Strategic Transformation									
Energy, Fleet and Facilities	6,725	-	6,725	-	-	6,725	-	-	-
Information Technology	5,129	-	5,129	-	-	5,129	-	-	-
Communications and Customer Service	-	-	-	-	-	-	-	-	-
Sub-total	11,854	-	11,854	-	-	11,854	-	-	-
Public Works									
Transportation	119,778	-	119,778	-	73,470	46,308	-	-	-
Waste Management	4,887	-	4,887	-	-	4,887	-	-	-
Sub-total	124,665	-	124,665	-	73,470	51,195	-	-	-
Halton Regional Police Service	4,038	-	4,038	75	204	3,759	-	-	-
TOTAL 2028	157,953	57	157,895	482	79,366	78,048	-	-	-
2029 Finance									
Capital & Development Financing	305	-	305	86	216	3	-	-	-
Health									
Paramedic Services	2,609	-	2,609	66	495	2,048	-	-	-
Health -Other	34	-	34	-	-	34	-	-	-
Sub-total	2,643	-	2,643	66	495	2,082	-	-	-
Legislative & Planning Services									
Planning	11,220	-	11,220	29	4,370	6,821	-	-	-
Economic Development	-	-	-	-	-	-	-	-	-
Sub-total	11,220	-	11,220	29	4,370	6,821	-	-	-
Social & Community Services									
Childrens Services	50	-	50	-	-	50	-	-	-
Services for Seniors	650	57	593	-	-	593	-	-	-
Sub-total	700	57	643	-	-	643	-	-	-
Strategic Transformation									
Energy, Fleet and Facilities	3,676	-	3,676	-	-	3,676	-	-	-
Information Technology	5,393	-	5,393	-	-	5,393	-	-	-
Communications and Customer Service	15	-	15	-	-	15	-	-	-
Sub-total	9,084	-	9,084	-	-	9,084	-	-	-
Public Works									
Transportation	106,280	-	106,280	-	55,751	50,529	-	-	-
Waste Management	910	-	910	-	-	910	-	-	-
Sub-total	107,190	-	107,190	-	55,751	51,439	-	-	-
Halton Regional Police Service	4,000	-	4,000	75	204	3,721	-	-	-
TOTAL 2029	135,142	57	135,085	256	61,036	73,793	-	-	-

CAPITAL BUDGET
TAX-CAPITAL
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BUDGET & BUSINESS PLAN
2020 - 2029 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
TOTAL Finance									
Capital & Development Financing	4,678	-	4,678	1,324	3,307	47	-	-	-
Health									
Paramedic Services	29,600	-	29,600	611	4,566	24,423	-	-	-
Health -Other	255	-	255	-	-	255	-	-	-
Sub-total	29,855	-	29,855	611	4,566	24,678	-	-	-
Legislative & Planning Services									
Planning	161,689	-	161,689	1,597	43,972	116,120	-	-	-
Economic Development	8,185	-	8,185	-	-	8,185	-	-	-
Sub-total	169,874	-	169,874	1,597	43,972	124,305	-	-	-
Social & Community Services									
Childrens Services	500	-	500	-	-	500	-	-	-
Services for Seniors	8,770	572	8,198	-	-	8,198	-	-	-
Sub-total	9,270	572	8,698	-	-	8,698	-	-	-
Strategic Transformation									
Energy, Fleet and Facilities	73,513	-	73,513	-	-	73,513	-	-	-
Information Technology	49,874	-	49,874	-	-	49,874	-	-	-
Communications and Customer Service	30	-	30	-	-	30	-	-	-
Sub-total	123,417	-	123,417	-	-	123,417	-	-	-
Public Works									
Transportation	1,590,458	44,817	1,545,641	-	770,445	775,196	-	-	-
Waste Management	46,645	-	46,645	33	636	45,976	-	-	-
Sub-total	1,637,103	44,817	1,592,286	33	771,081	821,172	-	-	-
Halton Regional Police Service	68,724	-	68,724	2,361	5,904	55,360	-	1,590	3,510
TOTAL 2020-2029	2,042,921	45,389	1,997,532	5,926	828,830	1,157,676	-	1,590	3,510

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

Halton Region

Budget and Business Plan 2020

Transportation

CAPITAL BUDGET

2020

TRANSPORTATION-CAPITAL

BUDGET & BUSINESS PLAN

2020 TRANSPORTATION SYSTEM PROJECT LISTING 2020 (000 DOLLARS)										
PROJECT NUMBER	UNIQUE ID	PROJECT DESCRIPTION	GROSS COST	SUB*Y/ RECOV	REGIONAL RESPONSIBILITY					
					DEVEL. CHGS.		GEN RESERV	CAP INVT RESERV	DEBENTURES	
					NON-RES	RES			GROWTH	REGIONAL
<u>Efficiency and Optimization</u>										
PR-3246	7567	Miscellaneous R.O.W. Purchases and Road Dedication Engineering & Surveys (REG)	100				100			
		Sub-total	100				100			
<u>Enhanced Levels of Service</u>										
PR-2890B	7853	Traffic Signal Interconnect (REG)	157				157			
PR-2891B	7854	Operational Improvements (REG)	200				200			
	7909	Retrofit Noise Attenuation Barriers - Various Locations (REG)	100				100			
		Sub-total	457				457			
<u>Growth</u>										
PR-2079D	3981	Trafalgar Road - Widening from 4 to 6 lanes from Dundas Street to Highway 407 (OAK) (Regional Rd 3)	27,447			14,053	13,394			
PR-3203	3991	Trafalgar Rd - Grade Separation at CN Crossing north of Maple Ave (HHS) (Regional Road 3)	305			180	125			
	5376	Trafalgar Rd - Grade Separation at Metrolinx Crossing south of Hwy 7 (HHS) (Regional Road 3)	305			166	139			
PR-2960B	7756	Trafalgar Road Widening from 2 to 4 Lanes from 10 Side Road to Hwy 7 (HHS) (Regional Road 3)	49,121			24,521	24,600			

Note: Schedule may not add due to rounding.



CAPITAL BUDGET

2020

TRANSPORTATION-CAPITAL

BUDGET & BUSINESS PLAN

2020 TRANSPORTATION SYSTEM PROJECT LISTING 2020 (000 DOLLARS)										
PROJECT NUMBER	UNIQUE ID	PROJECT DESCRIPTION	GROSS COST	SUB'Y/ RECOV	REGIONAL RESPONSIBILITY					
					DEVEL. CHGS.		GEN RESERV	CAP INVT RESERV	DEBENTURES	
					NON-RES	RES			GROWTH	REGIONAL
	5839	James Snow Parkway - Widening from 4 to 6 lanes from Highway 401 to Britannia Road (MIL) (Regional Road 4)	4,330			2,632	1,698			
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)	21,657			11,920	9,737			
PR-3200	3984	Dundas Street - Widening from 4 to 6 lanes from Guelph Line to North Hampton (BUR) (Regional Road 5)	681			344	337			
PR-3207B	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	3,884			1,516	2,368			
PR-3309	6802	Britannia Road - Widening from 4 to 6 lanes from Regional Road 25 to Highway 407 (MIL) (Regional Road 6)	44,900			22,127	22,773			
PR-3131	6819	Steeles Avenue - Widening from 2 to 4 lanes from Tremaine Road to Industrial Drive (MIL) (Regional Road 8)	3,325			1,681	1,644			
	6821	Steeles Avenue - Widening from 4 to 6 lanes from Regional Road 25 to Trafalgar Road (MIL) (Regional Road 8)	825			481	344			
	7933	Steeles Ave - Truck inspection station between 5th Line and 6th Line (HHS)	1,100			587	513			
PR-3036	6808	Ninth Line - Widening from 2 to 4 lanes from Burnhamthorpe Road to Highway 407 (OAK) (Regional Road 13)	1,550			744	806			
PR-2876B	7336	Ninth Line - Widening from 2 to 4 lanes from Steeles Avenue to 10 Side Road (HHS) Regional Road 13	25,189			10,801	14,388			
PR-2738	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)	1,337			505	832			
	7494	Norval Bypass (HHS)	4,258			2,725	1,533			

Note: Schedule may not add due to rounding.



CAPITAL BUDGET

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TRANSPORTATION-CAPITAL

BUDGET & BUSINESS PLAN

2020 TRANSPORTATION SYSTEM PROJECT LISTING 2020 (000 DOLLARS)										
PROJECT NUMBER	UNIQUE ID	PROJECT DESCRIPTION	GROSS COST	SUB/Y/ RECOV	REGIONAL RESPONSIBILITY					
					DEVEL. CHGS.		GEN RESERV	CAP INVT RESERV	DEBENTURES	
					NON-RES	RES			GROWTH	REGIONAL
	7927	Appleby Line and Britannia Road - Intersection Improvements (Roundabout) (BUR) Regional Road 20	2,407			770	1,637			
	5845	Tremaine Road - Widening from 4 to 6 lanes from Highway 401 to Derry Road (MIL) (Regional Road 22)	825			385	440			
	6834	Tremaine Road - Widening from 2 to 4 lanes from Lower Base Line to Britannia Road (MIL) (Regional Road 22)	550			278	272			
	6814	Regional Road 25 - Widening from 4 to 6 lanes from Highway 407 to Britannia Road (MIL) (Regional Road 25)	825			475	350			
PR-3130	6817	Regional Road 25 - Widening from 4 to 6 lanes from Steeles Avenue to 5 Side Road (MIL) (Regional Road 25)	1,785			982	803			
PR-2263F	5273	William Halton Parkway - New 4 lane road from Sixteen Mile Creek to Neyagawa Blvd. (OAK) (Regional Road 40)	19,850			12,704	7,146			
PR-3303	7809	Wycroft Road extension from 820 m east of Burloak Drive to Bronte Road (OAK)	55,755	44,817		7,000	3,938			
PR-2314	5426	Active Transportation Initiatives (REG)	51			16	35			
	7375	Active Transportation Infill Projects (REG)	942			301	641			
	7493	Active Transportation New Off-Road Capital Projects (REG)	3,794			2,186	1,608			
PR-2389	5641	Traffic Signal Controller, timer and signing upgrades - Various Intersections (REG)	780			250	530			
PR-2888	6854	New Traffic Signals - Development (REG)	1,719			1,100	619			
PR-2889	6855	New Signalized Intersections (REG)	128			41	87			
PR-3205	7377	Intelligent Transportation System Implementation (REG)	3,500			1,120	2,380			
PR-2258	5196	Travel Demand Management Initiative (REG)	356			114	242			

Note: Schedule may not add due to rounding.



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2020 TRANSPORTATION SYSTEM PROJECT LISTING 2020 (000 DOLLARS)										
PROJECT NUMBER	UNIQUE ID	PROJECT DESCRIPTION	GROSS COST	SUB'Y/ RECOV	REGIONAL RESPONSIBILITY					
					DEVEL. CHGS.		GEN RESERV	CAP INVT RESERV	DEBENTURES	
					NON-RES	RES			GROWTH	REGIONAL
PR-2258	5196	Travel Demand Management Initiative (REG)								
PR-2315	5431	Traffic and Screen Line Counts & Studies (REG)	157			50	107			
PR-2414	5444	Transportation Master Plan Study (REG)	1,046			669	377			
PR-2877	6832	Data Management Group (REG)	157			100	57			
	6836	Regional Road 25/Third Line Alignment Options Study (MIL)	523			335	188			
PR-2874	6838	Growth Management Studies (REG)	523			335	188			
PR-2878	6858	Cordon Count Data (REG)	52			33	19			
	7568	MTO Highway Studies (REG)	131			84	47			
		Sub-total	286,070	44,817		124,311	116,942			
Maintain Current Levels of Service										
PR-2464	5312	Winston Churchill Blvd - from Old Pine Crest Road to Credit River (HHS) (Regional Road 19)	1,000				1,000			
PR-2144	7491	Winston Churchill Boulevard - 2 lane Reconstruction from 10 Side Road to 5 Side Road (Halton's Share) - 2 (HHS) Regional Road 19	1,000				1,000			
PR-2236	7492	Winston Churchill Blvd - 17 Side Road to Old Pine Crest Road - 1 (HHS) Regional Road 19	500				500			
PR-2280	5173	Miscellaneous Bridges and Culverts Rehabilitation & Replacement Program (REG)	2,044				2,044			
PR-3252	7674	Replacement Noise Attenuation Barriers (REG)	1,404				1,404			

Note: Schedule may not add due to rounding.



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2020 TRANSPORTATION SYSTEM PROJECT LISTING 2020 (000 DOLLARS)										
PROJECT NUMBER	UNIQUE ID	PROJECT DESCRIPTION	GROSS COST	SUB'Y/ RECOV	REGIONAL RESPONSIBILITY					
					DEVEL. CHGS.		GEN RESERV	CAP INVT RESERV	DEBENTURES	
					NON-RES	RES			GROWTH	REGIONAL
	7666	Storm Pump Stations (REG)	756				756			
	7671	Storm System Construction (REG)	250				250			
PR-3291	7808	Regional Road Tree Replacement Program (REG)	100				100			
PR-2515B	7850	LED Street Light Replacement Program (REG)	400				400			
PR-2662B	7851	Retaining Wall Rehabilitation & Replacement Program - Various Locations (REG)	200				200			
PR-3035B	7856	Miscellaneous Capital Works Related to Road Resurfacing (REG)	864				864			
	7919	Road Resurfacing Capital Program (REG)	9,539				9,539			
PR-3242	7672	Replacement Noise Attenuation Studies (REG)	150				150			
PR-3243	7675	Storm Sewer Inspections, Studies, and Condition Assessments (REG)	100				100			
PR-2319B	7846	Speed Reduction Education & Enforcement Campaign (REG)	200				200			
PR-2316B	7847	Road Needs Study Update (REG)	50				50			
PR-2416B	7848	Bridge and Culvert Inspections, Condition Assessments & Evaluation Studies (REG)	132				132			
PR-2415B	7849	Traffic Operations & Safety Related Studies (REG)	110				110			
	7907	Retaining Wall Inspections, Condition Assessments and Evaluation Studies (REG)	40				40			
	7908	Asset Management Road Map Implementation (REG)	50				50			

Note: Schedule may not add due to rounding.



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2020 TRANSPORTATION SYSTEM PROJECT LISTING 2020 (000 DOLLARS)										
PROJECT NUMBER	UNIQUE ID	PROJECT DESCRIPTION	GROSS COST	SUB'Y/ RECOV	REGIONAL RESPONSIBILITY					
					DEVEL. CHGS.		GEN RESERV	CAP INVT RESERV	DEBENTURES	
					NON-RES	RES			GROWTH	REGIONAL
		Sub-total	18,889				18,889			
		Total	305,516	44,817		124,311	136,388			
		Summary								
		Efficiency and Optimization	100				100			
		Enhanced Levels of Service	457				457			
		Growth	286,070	44,817		124,311	116,942			
		Maintain Current Levels of Service	18,889				18,889			
		Grand Total	305,516	44,817		124,311	136,388			

Note: Schedule may not add due to rounding.

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2020-2029 TRANSPORTATION FORECAST PROJECT FORECAST LISTING 2020 (000 DOLLARS)													
PR NO	UNIQ ID#	PROJECT DESCRIPTION	Gross Cost	GROSS EXPENDITURE BY YEAR									
				2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Efficiency and Optimization													
PR-3246	7567	Miscellaneous R.O.W. Purchases and Road Dedication Engineering & Surveys (REG)	1,327	100	209	209	209	100	100	100	100	100	100
		EA											
		Study	100	10	10	10	10	10	10	10	10	10	10
		Design											
		Property	1,227	90	199	199	199	90	90	90	90	90	90
		Utility Relocate											
		Construction											
		Sub-Total	1,327	100	209	209	209	100	100	100	100	100	100
Enhanced Levels of Service													
PR-2890B	7853	Traffic Signal Interconnect (REG)	1,570	157	157	157	157	157	157	157	157	157	157
		EA											
		Study											
		Design											
		Property											
		Utility Relocate											
		Construction	1,570	157	157	157	157	157	157	157	157	157	157
PR-2891B	7854	Operational Improvements (REG)	2,646	200	523	523	200	200	200	200	200	200	200
		EA											
		Study											
		Design											
		Property											
		Utility Relocate											
		Construction	2,646	200	523	523	200	200	200	200	200	200	200

Note: Schedule may not add due to rounding.



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2020-2029 TRANSPORTATION FORECAST PROJECT FORECAST LISTING 2020 (000 DOLLARS)													
PR NO	UNIQ ID#	PROJECT DESCRIPTION	Gross Cost	GROSS EXPENDITURE BY YEAR									
				2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
	7923	Centre-median Landscaping Improvements (REG)	260								260		
		EA											
		Study											
		Design											
		Property											
		Utility Relocate											
		Construction	260								260		
	7909	Retrofit Noise Attenuation Barriers - Various Locations (REG)	300	100	100	100							
		EA											
		Study	300	100	100	100							
		Design											
		Property											
		Utility Relocate											
		Construction											
		Sub-Total	4,776	457	780	780	357	357	357	357	617	357	357
Growth													
PR-2322	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											
		Study											
		Design	1,217						1,217				
		Property	1,550							1,550			
		Utility Relocate	196								196		
		Construction	7,687								7,687		

Note: Schedule may not add due to rounding.



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TRANSPORTATION-CAPITAL

2020-2029 TRANSPORTATION FORECAST PROJECT FORECAST LISTING 2020 (000 DOLLARS)													
PR NO	UNIQ ID#	PROJECT DESCRIPTION	Gross Cost	GROSS EXPENDITURE BY YEAR									
				2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
	6805	Guelph Line - Widening from 4 to 6 lanes from Upper Middle Road to Dundas Street (Regional Road 1) (BUR)	4,665								825	1,744	2,096
		EA	825								825		
		Study											
		Design	1,744									1,744	
		Property	2,096										2,096
		Utility Relocate											
		Construction											
PR-2079D	3981	Trafalgar Road - Widening from 4 to 6 lanes from Dundas Street to Highway 407 (OAK) (Regional Rd 3)	27,447	27,447									
		EA											
		Study											
		Design											
		Property											
		Utility Relocate											
		Construction	27,447	27,447									
PR-3203	3991	Trafalgar Rd - Grade Separation at CN Crossing north of Maple Ave (HHS) (Regional Road 3)	27,129	305	26,824								
		EA											
		Study											
		Design											
		Property											
		Utility Relocate	305	305									
		Construction	26,824		26,824								

Note: Schedule may not add due to rounding.



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TRANSPORTATION-CAPITAL

2020-2029 TRANSPORTATION FORECAST PROJECT FORECAST LISTING 2020 (000 DOLLARS)													
PR NO	UNIQ ID#	PROJECT DESCRIPTION	Gross Cost	GROSS EXPENDITURE BY YEAR									
				2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
	5376	Trafalgar Rd - Grade Separation at Metrolinx Crossing south of Hwy 7 (HHS) (Regional Road 3)	17,391	305	17,086								
		EA											
		Study											
		Design											
		Property											
		Utility Relocate	305	305									
		Construction	17,086		17,086								
	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							
		Study											
		Design	3,733					3,733					
		Property	2,603						2,603				
		Utility Relocate	618							618			
		Construction	25,337								25,337		
PR-3197	6827	Trafalgar Road - Widening from 4 to 6 lanes from Britannia Road to Steeles Avenue including Highway 401 Structure (MIL) (Regional Road 3)	20,567		825					7,029	11,766		947
		EA	825		825								
		Study											
		Design	7,029							7,029			
		Property	11,766								11,766		
		Utility Relocate	947										947
		Construction											

Note: Schedule may not add due to rounding.



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2020-2029 TRANSPORTATION FORECAST PROJECT FORECAST LISTING 2020 (000 DOLLARS)													
PR NO	UNIQ ID#	PROJECT DESCRIPTION	Gross Cost	GROSS EXPENDITURE BY YEAR									
				2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
PR-2960B	7756	Trafalgar Road Widening from 2 to 4 Lanes from 10 Side Road to Hwy 7 (HHS) (Regional Road 3)	49,121	49,121									
		EA											
		Study											
		Design											
		Property											
		Utility Relocate											
		Construction	49,121	49,121									
	5839	James Snow Parkway - Widening from 4 to 6 lanes from Highway 401 to Britannia Road (MIL) (Regional Road 4)	37,698	4,330	3,604	887	28,877						
		EA											
		Study											
		Design	4,330	4,330									
		Property	3,604		3,604								
		Utility Relocate	887			887							
		Construction	28,877				28,877						
	6806	James Snow Parkway - New 6 lane road from Highway 407 to Britannia Road (MIL) (Regional Road 4)	21,067					1,100			3,538	15,719	710
		EA	1,100					1,100					
		Study											
		Design	3,538								3,538		
		Property	15,719									15,719	
		Utility Relocate	710										710
		Construction											

Note: Schedule may not add due to rounding.



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2020-2029 TRANSPORTATION FORECAST PROJECT FORECAST LISTING 2020 (000 DOLLARS)													
PR NO	UNIQ ID#	PROJECT DESCRIPTION	Gross Cost	GROSS EXPENDITURE BY YEAR									
				2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
	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						
		Study											
		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)	21,657	21,657									
		EA											
		Study											
		Design											
		Property											
		Utility Relocate											
		Construction	21,657	21,657									
PR-3200	3984	Dundas Street - Widening from 4 to 6 lanes from Guelph Line to North Hampton (BUR) (Regional Road 5)	18,847	681	18,166								
		EA											
		Study											
		Design											
		Property											
		Utility Relocate	681	681									
		Construction	18,166		18,166								

Note: Schedule may not add due to rounding.



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2020-2029 TRANSPORTATION FORECAST PROJECT FORECAST LISTING 2020 (000 DOLLARS)													
PR NO	UNIQ ID#	PROJECT DESCRIPTION	Gross Cost	GROSS EXPENDITURE BY YEAR									
				2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
PR-3207B	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	27,859	3,884	834	23,141							
		EA											
		Study											
		Design											
		Property	3,884	3,884									
		Utility Relocate	834		834								
		Construction	23,141			23,141							
PR-3128	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						
		Study											
		Design	9,082						9,082				
		Property	38,835								38,835		
		Utility Relocate											
		Construction											
PR-3309	6802	Britannia Road - Widening from 4 to 6 lanes from Regional Road 25 to Highway 407 (MIL) (Regional Road 6)	44,900	44,900									
		EA											
		Study											
		Design											
		Property											
		Utility Relocate											
		Construction	44,900	44,900									

Note: Schedule may not add due to rounding.



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2020-2029 TRANSPORTATION FORECAST PROJECT FORECAST LISTING 2020 (000 DOLLARS)													
PR NO	UNIQ ID#	PROJECT DESCRIPTION	Gross Cost	GROSS EXPENDITURE BY YEAR									
				2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
	6804	Derry Road - Widening from 4 to 6 lanes from Tremaine Road to Highway 407 (MIL) (Regional Road 7)	14,250							825		10,490	2,935
		EA	825							825			
		Study											
		Design	10,490									10,490	
		Property	2,935										2,935
		Utility Relocate											
		Construction											
PR-3131	6819	Steeles Avenue - Widening from 2 to 4 lanes from Tremaine Road to Industrial Drive (MIL) (Regional Road 8)	14,066	3,325	226	10,515							
		EA											
		Study											
		Design											
		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									
		Study											
		Design	6,561			6,561							
		Property	7,407				7,407						
		Utility Relocate	1,069				1,069						
		Construction	46,416					46,416					

Note: Schedule may not add due to rounding.



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2020-2029 TRANSPORTATION FORECAST PROJECT FORECAST LISTING 2020 (000 DOLLARS)													
PR NO	UNIQ ID#	PROJECT DESCRIPTION	Gross Cost	GROSS EXPENDITURE BY YEAR									
				2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
	6822	Steeles Avenue - Widening from 4 to 6 lanes (with RBL) from Trafalgar Road to Winston Churchill Boulevard (HHS) (Regional Road 8)	46,051				825		4,128	11,743	727	28,628	
		EA	825				825						
		Study											
		Design	4,128						4,128				
		Property	11,743							11,743			
		Utility Relocate	727								727		
		Construction	28,628									28,628	
	7933	Steeles Ave - Truck inspection station between 5th Line and 6th Line (HHS)	1,100	1,100									
		EA											
		Study											
		Design											
		Property											
		Utility Relocate											
		Construction	1,100	1,100									
	6758	10 Side Road - Widening from 2 to 4 lanes from Trafalgar Road to Winston Churchill Boulevard (HHS) (Regional Road 10)	11,785						550		3,370		7,865
		EA	550						550				
		Study											
		Design	3,370								3,370		
		Property	7,865										7,865
		Utility Relocate											
		Construction											

Note: Schedule may not add due to rounding.



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2020-2029 TRANSPORTATION FORECAST PROJECT FORECAST LISTING 2020 (000 DOLLARS)													
PR NO	UNIQ ID#	PROJECT DESCRIPTION	Gross Cost	GROSS EXPENDITURE BY YEAR									
				2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
PR-3036	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											
		Study											
		Design	1,550	1,550									
		Property	2,038		2,038								
		Utility Relocate	160			160							
		Construction	10,769				10,769						
PR-3037	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											
		Study											
		Design	1,528		1,528								
		Property	4,243			4,243							
		Utility Relocate	331					331					
		Construction	10,710						10,710				
PR-2876B	7336	Ninth Line - Widening from 2 to 4 lanes from Steeles Avenue to 10 Side Road (HHS) Regional Road 13	25,189	25,189									
		EA											
		Study											
		Design											
		Property											
		Utility Relocate											
		Construction	25,189	25,189									

Note: Schedule may not add due to rounding.



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2020-2029 TRANSPORTATION FORECAST PROJECT FORECAST LISTING 2020 (000 DOLLARS)													
PR NO	UNIQ ID#	PROJECT DESCRIPTION	Gross Cost	GROSS EXPENDITURE BY YEAR									
				2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
	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						
		Study											
		Design	2,348						2,348				
		Property	7,131							7,131			
		Utility Relocate	403							403			
		Construction	16,974								16,974		
PR-2738	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)	11,819	1,337		500	1,474		8,508				
		EA											
		Study											
		Design	1,337	1,337									
		Property	500			500							
		Utility Relocate	1,474				1,474						
		Construction	8,508						8,508				
PR-2666	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)	5,033				304		1,266		2,914		549
		EA	304				304						
		Study											
		Design	1,266						1,266				
		Property	2,914								2,914		
		Utility Relocate	549										549
		Construction											

Note: Schedule may not add due to rounding.



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2020-2029 TRANSPORTATION FORECAST PROJECT FORECAST LISTING 2020 (000 DOLLARS)													
PR NO	UNIQ ID#	PROJECT DESCRIPTION	Gross Cost	GROSS EXPENDITURE BY YEAR									
				2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
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)	2,886		501			2,385					
		EA											
		Study											
		Design											
		Property											
		Utility Relocate	501		501								
		Construction	2,385					2,385					
PR-3208	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)	1,585						797				788
		EA											
		Study											
		Design	797						797				
		Property											
		Utility Relocate	788										788
		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)	848						452				396
		EA											
		Study											
		Design	452						452				
		Property											
		Utility Relocate	396										396
		Construction											

Note: Schedule may not add due to rounding.



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2020-2029 TRANSPORTATION FORECAST PROJECT FORECAST LISTING 2020 (000 DOLLARS)													
PR NO	UNIQ ID#	PROJECT DESCRIPTION	Gross Cost	GROSS EXPENDITURE BY YEAR									
				2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
	7494	Norval Bypass (HHS)	21,997	4,258	17,739								
		EA											
		Study											
		Design											
		Property	4,118	4,118									
		Utility Relocate	140	140									
		Construction	17,739		17,739								
	6812	Appleby Line - Widening from 4 to 6 lanes from Fairview Street to Taywood Drive (BUR) (Regional Road 20)	48,362						5,576		3,125	724	38,937
		EA											
		Study											
		Design	5,576						5,576				
		Property	3,125								3,125		
		Utility Relocate	724									724	
		Construction	38,937										38,937
	7689	Appleby Line at Harvester Road (Intersection Improvements) (BUR) (Regional Road 20)	6,767						2,992	3,775			
		EA											
		Study											
		Design	2,992						2,992				
		Property											
		Utility Relocate											
		Construction	3,775							3,775			
	7927	Appleby Line and Britannia Road - Intersection Improvements (Roundabout) (BUR) Regional Road 20	2,407	2,407									
		EA											
		Study											
		Design											
		Property											
		Utility Relocate											
		Construction	2,407	2,407									

Note: Schedule may not add due to rounding.



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TRANSPORTATION-CAPITAL

2020-2029 TRANSPORTATION FORECAST PROJECT FORECAST LISTING 2020 (000 DOLLARS)													
PR NO	UNIQ ID#	PROJECT DESCRIPTION	Gross Cost	GROSS EXPENDITURE BY YEAR									
				2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
	6803	Burloak Drive - Widening from 4 to 6 lanes from Harvester Road to Upper Middle Road (BUR) (Regional Road 21)	30,165						550	3,264	3,373	394	22,584
		EA	550						550				
		Study											
		Design	3,264							3,264			
		Property	3,373								3,373		
		Utility Relocate	394									394	
		Construction	22,584										22,584
	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											
		Study											
		Design											
		Property											
		Utility Relocate											
		Construction	4,384					4,384					
	6810	North Service Road - New 4 lanes from Burloak Drive to Bronte Road (OAK)	13,296							1,100		1,622	10,574
		EA	1,100							1,100			
		Study											
		Design	1,622									1,622	
		Property	10,574										10,574
		Utility Relocate											
		Construction											

Note: Schedule may not add due to rounding.



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2020-2029 TRANSPORTATION FORECAST PROJECT FORECAST LISTING 2020 (000 DOLLARS)													
PR NO	UNIQ ID#	PROJECT DESCRIPTION	Gross Cost	GROSS EXPENDITURE BY YEAR									
				2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
	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									
		Study											
		Design	6,842			6,842							
		Property	16,747			16,747							
		Utility Relocate	1,248					1,248					
		Construction	50,365						50,365				
	6830	Tremaine Road - Widening from 2 to 4 lanes from Dundas Street to Lower Base Line (OAK) (Regional Road 22)	40,718		10,353		647	29,718					
		EA											
		Study											
		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									
		Study											
		Design	3,059			3,059							
		Property	2,794				2,794						
		Utility Relocate	477					477					
		Construction	20,745						20,745				

Note: Schedule may not add due to rounding.



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TRANSPORTATION-CAPITAL

2020-2029 TRANSPORTATION FORECAST PROJECT FORECAST LISTING 2020 (000 DOLLARS)													
PR NO	UNIQ ID#	PROJECT DESCRIPTION	Gross Cost	GROSS EXPENDITURE BY YEAR									
				2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
	6811	Regional Road 25 - Widening from 2 to 4 lanes from 5 Side Road to 10 Side Road (HHS) (Regional Road 25)	12,762		1,057	3,955	462	7,288					
		EA											
		Study											
		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									
		Study											
		Design	5,980			5,980							
		Property	4,838				4,838						
		Utility Relocate	919						919				
		Construction	41,910							41,910			
	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							
		Study											
		Design	2,430					2,430					
		Property	2,978						2,978				
		Utility Relocate	474							474			
		Construction	17,304								17,304		

Note: Schedule may not add due to rounding.



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2020-2029 TRANSPORTATION FORECAST PROJECT FORECAST LISTING 2020 (000 DOLLARS)													
PR NO	UNIQ ID#	PROJECT DESCRIPTION	Gross Cost	GROSS EXPENDITURE BY YEAR									
				2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
PR-3130	6817	Regional Road 25 - Widening from 4 to 6 lanes from Steeles Avenue to 5 Side Road (MIL) (Regional Road 25)	19,613	1,785	431	17,397							
		EA											
		Study											
		Design											
		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)	65,318		7,166		6,945	1,035	50,172				
		EA											
		Study											
		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)	4,990						825		1,739	2,109	317
		EA	825						825				
		Study											
		Design	1,739								1,739		
		Property	2,109									2,109	
		Utility Relocate	317										317
		Construction											

Note: Schedule may not add due to rounding.



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2020-2029 TRANSPORTATION FORECAST PROJECT FORECAST LISTING 2020 (000 DOLLARS)													
PR NO	UNIQ ID#	PROJECT DESCRIPTION	Gross Cost	GROSS EXPENDITURE BY YEAR									
				2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
	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							
		Study											
		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							
		Study											
		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)	23,027				825		2,579	1,359	394	17,870	
		EA	825				825						
		Study											
		Design	2,579						2,579				
		Property	1,359							1,359			
		Utility Relocate	394								394		
		Construction	17,870									17,870	

Note: Schedule may not add due to rounding.



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2020-2029 TRANSPORTATION FORECAST PROJECT FORECAST LISTING 2020 (000 DOLLARS)													
PR NO	UNIQ ID#	PROJECT DESCRIPTION	Gross Cost	GROSS EXPENDITURE BY YEAR									
				2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
	7338	Upper Middle Road - Widening from 4 to 6 lanes from Neyagawa Boulevard to Trafalgar Road (OAK) Regional Road 38	15,554			321		1,837		2,194	336	10,866	
		EA	321			321							
		Study											
		Design	1,837					1,837					
		Property	2,194							2,194			
		Utility Relocate	336								336		
		Construction	10,866									10,866	
	7339	Upper Middle Road - Widening from 4 to 6 lanes from Grand Boulevard to Ninth Line (OAK) Regional Road 38	7,806			321		428		428	139	6,490	
		EA	321			321							
		Study											
		Design	428					428					
		Property	428							428			
		Utility Relocate	139								139		
		Construction	6,490									6,490	
PR-2263F	5273	William Halton Parkway - New 4 lane road from Sixteen Mile Creek to Neyagawa Blvd. (OAK) (Regional Road 40)	19,850	19,850									
		EA											
		Study											
		Design											
		Property											
		Utility Relocate											
		Construction	19,850	19,850									

Note: Schedule may not add due to rounding.



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2020-2029 TRANSPORTATION FORECAST PROJECT FORECAST LISTING 2020 (000 DOLLARS)													
PR NO	UNIQ ID#	PROJECT DESCRIPTION	Gross Cost	GROSS EXPENDITURE BY YEAR									
				2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
PR-3303	7809	Wyecroft Road extension from 820 m east of Burloak Drive to Bronte Road (OAK)	55,755	55,755									
		EA											
		Study											
		Design											
		Property											
		Utility Relocate											
		Construction	55,755	55,755									
PR-2314	5426	Active Transportation Initiatives (REG)	942	51	51	105	105	105	105	105	105	105	105
		EA											
		Study	942	51	51	105	105	105	105	105	105	105	105
		Design											
		Property											
		Utility Relocate											
		Construction											
	7375	Active Transportation Infill Projects (REG)	2,042	942		877	223						
		EA											
		Study											
		Design											
		Property											
		Utility Relocate											
		Construction	2,042	942		877	223						
	7493	Active Transportation New Off-Road Capital Projects (REG)	22,217	3,794	242	1,928	1,729	3,415	4,421	899	2,411	2,254	1,124
		EA											
		Study											
		Design											
		Property											
		Utility Relocate											
		Construction	22,217	3,794	242	1,928	1,729	3,415	4,421	899	2,411	2,254	1,124

Note: Schedule may not add due to rounding.

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2020-2029 TRANSPORTATION FORECAST PROJECT FORECAST LISTING 2020 (000 DOLLARS)													
PR NO	UNIQ ID#	PROJECT DESCRIPTION	Gross Cost	GROSS EXPENDITURE BY YEAR									
				2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
	7928	Active Transportation Master Plan (REG)	744				372					372	
		EA											
		Study	744				372					372	
		Design											
		Property											
		Utility Relocate											
		Construction											
PR-2389	5641	Traffic Signal Controller, timer and signing upgrades - Various Intersections (REG)	7,341	780	780	780	780	780	780	780	627	627	627
		EA											
		Study											
		Design											
		Property											
		Utility Relocate											
		Construction	7,341	780	780	780	780	780	780	780	627	627	627
PR-2888	6854	New Traffic Signals - Development (REG)	17,190	1,719	1,719	1,719	1,719	1,719	1,719	1,719	1,719	1,719	1,719
		EA											
		Study											
		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-2889	6855	New Signalized Intersections (REG)	8,920	128	1,256	628	1,256	628	1,256	628	1,256	628	1,256
		EA											
		Study											
		Design											
		Property											
		Utility Relocate											
		Construction	8,920	128	1,256	628	1,256	628	1,256	628	1,256	628	1,256

Note: Schedule may not add due to rounding.



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2020-2029 TRANSPORTATION FORECAST PROJECT FORECAST LISTING 2020 (000 DOLLARS)													
PR NO	UNIQ ID#	PROJECT DESCRIPTION	Gross Cost	GROSS EXPENDITURE BY YEAR									
				2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
PR-3205	7377	Intelligent Transportation System Implementation (REG)	8,500	3,500	2,500	2,500							
		EA											
		Study											
		Design	500	500									
		Property											
		Utility Relocate											
		Construction	8,000	3,000	2,500	2,500							
PR-2258	5196	Travel Demand Management Initiative (REG)	3,560	356	356	356	356	356	356	356	356	356	356
		EA											
		Study	3,560	356	356	356	356	356	356	356	356	356	356
		Design											
		Property											
		Utility Relocate											
		Construction											
PR-2315	5431	Traffic and Screen Line Counts & Studies (REG)	1,778	157	261	157	157	157	157	261	157	157	157
		EA											
		Study	1,778	157	261	157	157	157	157	261	157	157	157
		Design											
		Property											
		Utility Relocate											
		Construction											
PR-2414	5444	Transportation Master Plan Study (REG)	3,138	1,046			1,046					1,046	
		EA											
		Study	3,138	1,046			1,046					1,046	
		Design											
		Property											
		Utility Relocate											
		Construction											

Note: Schedule may not add due to rounding.



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2020-2029 TRANSPORTATION FORECAST PROJECT FORECAST LISTING 2020 (000 DOLLARS)													
PR NO	UNIQ ID#	PROJECT DESCRIPTION	Gross Cost	GROSS EXPENDITURE BY YEAR									
				2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
PR-2877	6832	Data Management Group (REG)	1,570	157	157	157	157	157	157	157	157	157	157
		EA											
		Study	1,570	157	157	157	157	157	157	157	157	157	157
		Design											
		Property											
		Utility Relocate											
		Construction											
PR-3070	6833	Transportation Tomorrow Survey (REG)	210		105					105			
		EA											
		Study	210		105					105			
		Design											
		Property											
		Utility Relocate											
		Construction											
	6836	Regional Road 25/Third Line Alignment Options Study (MIL)	523	523									
		EA											
		Study	523	523									
		Design											
		Property											
		Utility Relocate											
		Construction											
PR-3117	6837	Development Charge Background Study (REG)	942		471					471			
		EA											
		Study	942		471					471			
		Design											
		Property											
		Utility Relocate											
		Construction											

Note: Schedule may not add due to rounding.

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2020-2029 TRANSPORTATION FORECAST PROJECT FORECAST LISTING 2020 (000 DOLLARS)													
PR NO	UNIQ ID#	PROJECT DESCRIPTION	Gross Cost	GROSS EXPENDITURE BY YEAR									
				2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
PR-2874	6838	Growth Management Studies (REG)	5,230	523	523	523	523	523	523	523	523	523	523
		EA											
		Study	5,230	523	523	523	523	523	523	523	523	523	523
		Design											
		Property											
		Utility Relocate											
		Construction											
PR-2878	6858	Cordon Count Data (REG)	626	52	105	52	52	52	52	105	52	52	52
		EA											
		Study	626	52	105	52	52	52	52	105	52	52	52
		Design											
		Property											
		Utility Relocate											
		Construction											
	7568	MTO Highway Studies (REG)	1,310	131	131	131	131	131	131	131	131	131	131
		EA											
		Study	1,310	131	131	131	131	131	131	131	131	131	131
		Design											
		Property											
		Utility Relocate											
		Construction											
	7569	Urban Design Guidelines (REG)	314				157						157
		EA											
		Study	314				157						157
		Design											
		Property											
		Utility Relocate											
		Construction											
		Sub-Total	1,404,278	286,070	117,035	113,552	80,280	117,726	202,159	109,094	178,517	104,783	95,062

Note: Schedule may not add due to rounding.



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2020-2029 TRANSPORTATION FORECAST PROJECT FORECAST LISTING 2020 (000 DOLLARS)													
PR NO	UNIQ ID#	PROJECT DESCRIPTION	Gross Cost	GROSS EXPENDITURE BY YEAR									
				2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Maintain Current Levels of Service													
PR-3292	7676	Guelph Line Resurfacing/Reconstruction from Colling Road to Britannia Road (BUR) (Regional Road 1)	2,318		2,318								
		EA											
		Study											
		Design											
		Property											
		Utility Relocate											
		Construction	2,318		2,318								
PR-3292	7677	Guelph Line Resurfacing/Reconstruction from No. 20 Side Road to No. 25 Side Road (MIL) (Regional Road 1)	3,836		3,836								
		EA											
		Study											
		Design											
		Property											
		Utility Relocate											
		Construction	3,836		3,836								
PR-3292	7678	Guelph Line Resurfacing/Reconstruction from No. 25 Side Road to No. 30 Side Road (MIL) (Regional Road 1)	3,839		3,839								
		EA											
		Study											
		Design											
		Property											
		Utility Relocate											
		Construction	3,839		3,839								

Note: Schedule may not add due to rounding.

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2020-2029 TRANSPORTATION FORECAST PROJECT FORECAST LISTING 2020 (000 DOLLARS)													
PR NO	UNIQ ID#	PROJECT DESCRIPTION	Gross Cost	GROSS EXPENDITURE BY YEAR									
				2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
PR-3292	7679	Guelph Line Resurfacing/Reconstruction from No. 30 Side Road to No. 32 Side Road (MIL) (Regional Road 1)	1,433		1,433								
		EA											
		Study											
		Design											
		Property											
		Utility Relocate											
		Construction	1,433		1,433								
	7486	Derry Road - Reconstruction from Milborough Line to McNiven Road (MIL) Regional Road 7	3,636				585		3,051				
		EA											
		Study											
		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)	5,388						257		5,131		
		EA											
		Study											
		Design	257						257				
		Property											
		Utility Relocate											
		Construction	5,131								5,131		

Note: Schedule may not add due to rounding.



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2020-2029 TRANSPORTATION FORECAST PROJECT FORECAST LISTING 2020 (000 DOLLARS)													
PR NO	UNIQ ID#	PROJECT DESCRIPTION	Gross Cost	GROSS EXPENDITURE BY YEAR									
				2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
	7741	Derry Road Reconstruction from Twiss to Guelph Line, and Derry Road Reconstruction from Walkers Line to Appleby Line (BUR)	4,040							36	364	3,640	
		EA											
		Study	36							36			
		Design	364								364		
		Property											
		Utility Relocate											
		Construction	3,640									3,640	
	7740	Campbellville Road Reconstruction from Milborough Line to Campbell Avenue (MIL)	4,284						204		4,080		
		EA											
		Study											
		Design	204						204				
		Property											
		Utility Relocate											
		Construction	4,080								4,080		
PR-3241	7459	Winston Churchill Blvd. Roundabout and Realignment (10th Line to WCB) (HHS) (Regional Road 10)	2,114		2,114								
		EA											
		Study											
		Design											
		Property											
		Utility Relocate											
		Construction	2,114		2,114								

Note: Schedule may not add due to rounding.



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2020-2029 TRANSPORTATION FORECAST PROJECT FORECAST LISTING 2020 (000 DOLLARS)													
PR NO	UNIQ ID#	PROJECT DESCRIPTION	Gross Cost	GROSS EXPENDITURE BY YEAR									
				2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
	7683	Brant Street Reconstruction from Fairview Street to QEW (BUR) (Regional Road 18)	3,995						190		3,805		
		EA											
		Study											
		Design	190						190				
		Property											
		Utility Relocate											
		Construction	3,805								3,805		
PR-2464	5312	Winston Churchill Blvd - from Old Pine Crest Road to Credit River (HHS) (Regional Road 19)	2,215	1,000	1,215								
		EA											
		Study											
		Design											
		Property											
		Utility Relocate	1,000	1,000									
		Construction	1,215		1,215								
PR-2144	7491	Winston Churchill Boulevard - 2 lane Reconstruction from 10 Side Road to 5 Side Road (Halton's Share) - 2 (HHS) Regional Road 19	5,897	1,000	500	4,397							
		EA											
		Study											
		Design											
		Property	1,000	1,000									
		Utility Relocate	500		500								
		Construction	4,397			4,397							

Note: Schedule may not add due to rounding.



CAPITAL BUDGET

2020

TRANSPORTATION-CAPITAL

2020-2029 TRANSPORTATION FORECAST													
PROJECT FORECAST LISTING 2020 (000 DOLLARS)													
PR NO	UNIQ ID#	PROJECT DESCRIPTION	Gross Cost	GROSS EXPENDITURE BY YEAR									
				2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
PR-2236	7492	Winston Churchill Blvd - 17 Side Road to Old Pine Crest Road - 1 (HHS) Regional Road 19	2,258	500	1,758								
		EA											
		Study											
		Design											
		Property											
		Utility Relocate	500	500									
		Construction	1,758		1,758								
	7682	Regional Road 25 Reconstruction from North of Main Street to No. 32 Side Road (HHS) (Regional Road 25)	1,633				78		1,555				
		EA											
		Study											
		Design	78				78						
		Property											
		Utility Relocate											
		Construction	1,555						1,555				
PR-2280	5173	Miscellaneous Bridges and Culverts Rehabilitation & Replacement Program (REG)	9,499	2,044	4,093	513	1,119	1,351	379				
		EA											
		Study											
		Design	599	599									
		Property											
		Utility Relocate											
		Construction	8,900	1,445	4,093	513	1,119	1,351	379				
PR-3252	7674	Replacement Noise Attenuation Barriers (REG)	8,100	1,404	274	169	47	685	2,218	854	2,043	283	123
		EA											
		Study											
		Design	723	26	17		47	215	65	202	28		123
		Property											
		Utility Relocate											
		Construction	7,377	1,378	257	169		470	2,153	652	2,015	283	

Note: Schedule may not add due to rounding.



CAPITAL BUDGET

2020

TRANSPORTATION-CAPITAL

2020-2029 TRANSPORTATION FORECAST PROJECT FORECAST LISTING 2020 (000 DOLLARS)													
PR NO	UNIQ ID#	PROJECT DESCRIPTION	Gross Cost	GROSS EXPENDITURE BY YEAR									
				2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
PR-30002V	6885	Vehicle Replacements - Transportation (REG)	264				41		223				
		EA											
		Study											
		Design											
		Property											
		Utility Relocate											
		Construction	264				41		223				
	7666	Storm Pump Stations (REG)	1,927	756	62	84	40	58	76	472	165	174	40
		EA											
		Study											
		Design											
		Property											
		Utility Relocate											
		Construction	1,927	756	62	84	40	58	76	472	165	174	40
	7671	Storm System Construction (REG)	1,000	250	250	250	250						
		EA											
		Study											
		Design											
		Property											
		Utility Relocate											
		Construction	1,000	250	250	250	250						
PR-3291	7808	Regional Road Tree Replacement Program (REG)	300	100	100	100							
		EA											
		Study											
		Design											
		Property											
		Utility Relocate											
		Construction	300	100	100	100							

Note: Schedule may not add due to rounding.



CAPITAL BUDGET

2020

TRANSPORTATION-CAPITAL

2020-2029 TRANSPORTATION FORECAST PROJECT FORECAST LISTING 2020 (000 DOLLARS)													
PR NO	UNIQ ID#	PROJECT DESCRIPTION	Gross Cost	GROSS EXPENDITURE BY YEAR									
				2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
PR-2515B	7850	LED Street Light Replacement Program (REG)	950	400	100	100	50	50	50	50	50	50	50
		EA											
		Study											
		Design											
		Property											
		Utility Relocate											
		Construction	950	400	100	100	50	50	50	50	50	50	50
PR-2662B	7851	Retaining Wall Rehabilitation & Replacement Program - Various Locations (REG)	440	200	106					58	76		
		EA											
		Study											
		Design											
		Property											
		Utility Relocate											
		Construction	440	200	106					58	76		
PR-3035B	7856	Miscellaneous Capital Works Related to Road Resurfacing (REG)	8,707	864	874	962	901	1,002	854	811	826	797	816
		EA											
		Study											
		Design											
		Property											
		Utility Relocate											
		Construction	8,707	864	874	962	901	1,002	854	811	826	797	816
	7919	Road Resurfacing Capital Program (REG)	95,792	9,539	9,644	10,576	9,929	10,919	9,374	8,921	9,072	8,796	9,022
		EA											
		Study											
		Design											
		Property											
		Utility Relocate											
		Construction	95,792	9,539	9,644	10,576	9,929	10,919	9,374	8,921	9,072	8,796	9,022

Note: Schedule may not add due to rounding.



CAPITAL BUDGET

2020

TRANSPORTATION-CAPITAL

2020-2029 TRANSPORTATION FORECAST PROJECT FORECAST LISTING 2020 (000 DOLLARS)													
PR NO	UNIQ ID#	PROJECT DESCRIPTION	Gross Cost	GROSS EXPENDITURE BY YEAR									
				2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
PR-2526	5644	Region-wide Traffic Operations Study Update (REG)	600					300					300
		EA											
		Study	600					300					300
		Design											
		Property											
		Utility Relocate											
		Construction											
PR-3242	7672	Replacement Noise Attenuation Studies (REG)	1,100	150	50	160	50	170	50	180	50	190	50
		EA											
		Study	1,100	150	50	160	50	170	50	180	50	190	50
		Design											
		Property											
		Utility Relocate											
		Construction											
PR-3243	7675	Storm Sewer Inspections, Studies, and Condition Assessments (REG)	700	100	100	100	50	50	50	50	50	50	100
		EA											
		Study	700	100	100	100	50	50	50	50	50	50	100
		Design											
		Property											
		Utility Relocate											
		Construction											
PR-2192B	7844	Transportation Infrastructure Management System (REG)	460			130			150			180	
		EA											
		Study	460			130			150			180	
		Design											
		Property											
		Utility Relocate											
		Construction											

Note: Schedule may not add due to rounding.



CAPITAL BUDGET

2020

TRANSPORTATION-CAPITAL

2020-2029 TRANSPORTATION FORECAST PROJECT FORECAST LISTING 2020 (000 DOLLARS)													
PR NO	UNIQ ID#	PROJECT DESCRIPTION	Gross Cost	GROSS EXPENDITURE BY YEAR									
				2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
PR-2319B	7846	Speed Reduction Education & Enforcement Campaign (REG)	675	200	75	50	50	50	50	50	50	50	50
		EA											
		Study	675	200	75	50	50	50	50	50	50	50	50
		Design											
		Property											
		Utility Relocate											
		Construction											
PR-2316B	7847	Road Needs Study Update (REG)	500	50	50	50	50	50	50	50	50	50	50
		EA											
		Study	500	50	50	50	50	50	50	50	50	50	50
		Design											
		Property											
		Utility Relocate											
		Construction											
PR-2416B	7848	Bridge and Culvert Inspections, Condition Assessments & Evaluation Studies (REG)	977	132	50	142	50	147	50	153	50	153	50
		EA											
		Study	977	132	50	142	50	147	50	153	50	153	50
		Design											
		Property											
		Utility Relocate											
		Construction											
PR-2415B	7849	Traffic Operations & Safety Related Studies (REG)	950	110	85	85	110	85	85	110	85	85	110
		EA											
		Study	950	110	85	85	110	85	85	110	85	85	110
		Design											
		Property											
		Utility Relocate											
		Construction											

Note: Schedule may not add due to rounding.

CAPITAL BUDGET

2020

TRANSPORTATION-CAPITAL

2020-2029 TRANSPORTATION FORECAST PROJECT FORECAST LISTING 2020 (000 DOLLARS)													
PR NO	UNIQ ID#	PROJECT DESCRIPTION	Gross Cost	GROSS EXPENDITURE BY YEAR									
				2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
	7907	Retaining Wall Inspections, Condition Assessments and Evaluation Studies (REG)	200	40		40		40		40		40	
		EA											
		Study	200	40		40		40		40		40	
		Design											
		Property											
		Utility Relocate											
		Construction											
	7908	Asset Management Road Map Implementation (REG)	50	50									
		EA											
		Study											
		Design											
		Property											
		Utility Relocate											
		Construction	50	50									
		Sub-Total	180,077	18,889	32,926	17,908	13,400	14,957	18,916	11,835	25,947	14,538	10,761
		TOTAL Required Financing	1,590,458	305,516	150,950	132,449	94,246	133,140	221,532	121,386	205,181	119,778	106,280

Note: Schedule may not add due to rounding.



Halton Region

Budget and Business Plan 2020

Waste Management

CAPITAL BUDGET

2020

WASTE MANAGEMENT-CAPITAL

BUDGET & BUSINESS PLAN

2020 WASTE MANAGEMENT SYSTEM PROJECT LISTING 2020 (000 DOLLARS)										
PROJECT NUMBER	UNIQUE ID	PROJECT DESCRIPTION	GROSS COST	SUB'Y/ RECOV	REGIONAL RESPONSIBILITY					
					DEVEL. CHGS.		GEN RESERV	CAP INVT RESERV	DEBENTURES	
					NON-RES	RES			GROWTH	REGIONAL
<u>Efficiency and Optimization</u>										
PR-3268	7784	Halton Waste Management Site Optimization Implementation – Design & Construction (REG) (Master Plan)	2,580				2,580			
	7924	Closed Landfill Sites - Property Sale (REG)	50				50			
		Sub-total	2,630				2,630			
<u>Enhanced Levels of Service</u>										
	7906	Vehicle - New - Waste Management (REG)	22				22			
		Sub-total	22				22			
<u>Maintain Current Levels of Service</u>										
PR-1742	3687	Halton Waste Management Site - Litter Control Fence (REG)	50				50			
PR-2368	5479	Halton Waste Management Site - Purchase Buffer Lands (REG)	500				500			
	6888	Vehicle Replacements - Waste Management (REG)	191				191			
	7874	Asset Management Road Map Implementation (REG)	50				50			
		Sub-total	791				791			
<u>Regulation and Environmental Protection</u>										

Note: Schedule may not add due to rounding.



CAPITAL BUDGET

2020

WASTE MANAGEMENT-CAPITAL

BUDGET & BUSINESS PLAN

2020 WASTE MANAGEMENT SYSTEM PROJECT LISTING 2020 (000 DOLLARS)									
PROJECT NUMBER	UNIQUE ID	PROJECT DESCRIPTION	GROSS COST	SUB'Y/ RECOV	REGIONAL RESPONSIBILITY				
					DEVEL. CHGS.		GEN RESERV	CAP INVT RESERV	DEBENTURES GROWTH REGIONAL
PR-2741	6222	Landfill Gas System (REG)	75				75		
PR-3188	7141	Halton Waste Management Site - Final Cover - Erosion Control & Vegetation - Cell 3 (REG)	150				150		
		Sub-total	225				225		
		Total	3,668				3,668		
		<u>Summary</u>							
		Efficiency and Optimization	2,630				2,630		
		Enhanced Levels of Service	22				22		
		Maintain Current Levels of Service	791				791		
		Regulation and Environmental Protection	225				225		
		Grand Total	3,668				3,668		

Note: Schedule may not add due to rounding.



CAPITAL BUDGET

WASTE MANAGEMENT-CAPITAL

2020

BUDGET & BUSINESS PLAN

2020-2029 WASTE MANAGEMENT FORECAST PROJECT FORECAST LISTING WASTE MANAGEMENT 2020 (000 DOLLARS)													
PR NO	UNIQ ID	PROJECT DESCRIPTION	GROSS COST	GROSS EXPENDITURE BY YEAR									
				2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
<u>Efficiency and Optimization</u>													
PR-3268	7924	Closed Landfill Sites - Property Sale (REG)	50	50									
	7784	Halton Waste Management Site Optimization Implementation – Design & Construction (REG) (Master Plan)	2,580	2,580									
		Sub-total	2,630	2,630									
<u>Enhanced Levels of Service</u>													
	7906	Vehicle - New - Waste Management (REG)	44	22								22	
		Sub-total	44	22								22	
<u>Maintain Current Levels of Service</u>													
PR-1742	3687	Halton Waste Management Site - Litter Control Fence (REG)	190	50		20		60					60
PR-2368	5479	Halton Waste Management Site - Purchase Buffer Lands (REG)	2,500	500		500		500		500		500	
PR-3172	5629	Halton Waste Management Site- Cell 4 West (REG)	17,500				2,500		15,000				
PR-3025	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								
	7009	HWMS Optimization Study Implementation (REG)	100			100							
	7219	Halton Waste Management Site - Scales Upgrade - 2026 (REG)	50							50			
	7288	Halton Waste Management Site - Pump Station 1 - Upgrades (REG)	200				200						

Note: Schedule may not add due to rounding.



CAPITAL BUDGET

2020

WASTE MANAGEMENT-CAPITAL

BUDGET & BUSINESS PLAN

2020-2029 WASTE MANAGEMENT FORECAST PROJECT FORECAST LISTING WASTE MANAGEMENT 2020 (000 DOLLARS)													
PR NO	UNIQ ID	PROJECT DESCRIPTION	GROSS COST	GROSS EXPENDITURE BY YEAR									
				2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
PR-3235	7291	Halton Waste Management Site - Tarping Machine Replacement (REG)	120			120							
	7638	Halton Waste Management Site - Grey Water Tank Replacement (REG)	130		20	100						10	
	7639	Halton Waste Management Site - Gas Collection System (REG)	125									125	
	7641	Halton Waste Management Site - Leachate System (REG)	515								50	465	
	7642	Halton Waste Management Site - Site Works (REG)	584								50	534	
	7795	Halton Waste Management Site - Buildings Management Site - 2028 (REG)	148									148	
	7796	Halton Waste Management Facility - SCADA Upgrades (REG)	579		174	405							
	7872	Halton Waste Management Site Optimization - Phase 2 (REG)	2,297		324	1,973							
	6995	Closed Landfill Environmental Management Plan - 2023-2024 (REG)	425				125	300					
	7003	GPS System Landfill Equipment Replacement (REG)	300				150					150	
	7006	Equipment Replacement - Bulldozer - 2024 (REG)	2,800				1,400					1,400	
	7094	Equipment Replacement - Compactor (REG)	3,000				1,500					1,500	
	7218	Oakville 4th Line (Closed) Landfill - Pump Station Upgrades (REG)	100					50					50
	7229	Transfer Station - Organics - Construction (REG)	7,100				7,100						

Note: Schedule may not add due to rounding.



CAPITAL BUDGET

WASTE MANAGEMENT-CAPITAL

2020

BUDGET & BUSINESS PLAN

2020-2029 WASTE MANAGEMENT FORECAST PROJECT FORECAST LISTING WASTE MANAGEMENT 2020 (000 DOLLARS)													
PR NO	UNIQ ID	PROJECT DESCRIPTION	GROSS COST	GROSS EXPENDITURE BY YEAR									
				2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
PR-3236	7290	Armstrong Closed Landfill - Stormwater Sewer (REG)	50				25					25	
	7293	Armstrong Closed Landfill - Pump Station Upgrades (REG)	50			50							
	7643	Georgetown And Bayview - Flow Meter (REG)	20								20		
	7644	Bayview Closed Landfill - Pump Station (REG)	50										50
	6997	Solid Waste Management Strategy 2023 (REG)	500				500						
PR-3173	6998	Buildings Assessment for Household Hazardous Waste - Study (REG)	20							20			
PR-3239	6999	Building Assessment for Household Hazardous Waste - Rehab (REG)	100								100		
	7874	Asset Management Road Map Implementation (REG)	50	50									
	6888	Vehicle Replacements - Waste Management (REG)	2,013	191	26		220	374	28	710	214		250
		Sub-total	42,186	791	714	3,668	13,720	1,284	15,028	1,280	434	4,857	410
Regulation and Environmental Protection													
PR-3188	7141	Halton Waste Management Site - Final Cover - Erosion Control & Vegetation - Cell 3 (REG)	370	150			100		120				
PR-2741	6222	Landfill Gas System (REG)	1,415	75	175	200	50	50	75	110	150	30	500
		Sub-total	1,785	225	175	200	150	50	195	110	150	30	500
		Total Required Financing	46,645	3,668	889	3,868	13,870	1,334	15,223	1,390	606	4,887	910

Note: Schedule may not add due to rounding.



Halton Region

Budget and Business Plan 2020

Other Regional Programs

CAPITAL BUDGET

OTHER REGIONAL PROGRAMS-CAPITAL

2020

BUDGET & BUSINESS PLAN

2020 OTHER REGIONAL PROGRAMS PROJECT LISTING 2020 (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
Finance Capital & Development Financing T5219A	CSB000009	Growth Studies	814		813	230	575	8			
		Division Sub-total	814		813	230	575	8			
		Department Sub-total	814		813	230	575	8			
Health Paramedic Services T6719A	HAM000014 HAM000015 HAM000018	PS Vehicles	275		275	18	134	123			
		Defibrillators	41		41			41			
		Power Stretchers	52		52			52			
		Division Sub-total	368		368	18	134	216			
		Department Sub-total	368		368	18	134	216			

Note: Schedule may not add due to rounding.



CAPITAL BUDGET

OTHER REGIONAL PROGRAMS-CAPITAL

2020

BUDGET & BUSINESS PLAN

2020 OTHER REGIONAL PROGAMS PROJECT LISTING 2020 (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
<u>Legislative & Planning Services</u> Economic Development <											

Note: Schedule may not add due to rounding.



CAPITAL BUDGET
OTHER REGIONAL PROGRAMS-CAPITAL

2020

BUDGET & BUSINESS PLAN

2020 OTHER REGIONAL PROGRAMS PROJECT LISTING 2020 (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
<u>Social & Community Services</u>											
Childrens Services											
T7009A	SCS000002	Capital Improvement Support	50		50			50			
		Division Sub-total	50		50			50			
Services for Seniors											
T7217A	SNR000009	Production Kitchen Equipment	1,650		1,650			1,650			
T7200B	SNR000012	Allendale Equipment Replacement	228	20	208			208			
T7200C	SNR000013	Post Inn Equipment Replacement	260	23	237			237			
T7200D	SNR000014	Creek Way Village Equipment Replacement	162	14	148			148			
T7217B	SNR000017	Production Kitchen Post Inn	500		500			500			
	SNR000018	LTC - Vehicle Replacement	120		120			120			
		Division Sub-total	2,920	57	2,863			2,863			
		Department Sub-total	2,970	57	2,913			2,913			

Note: Schedule may not add due to rounding.



CAPITAL BUDGET

OTHER REGIONAL PROGRAMS-CAPITAL

2020

BUDGET & BUSINESS PLAN

2020 OTHER REGIONAL PROGAMS											
PROJECT LISTING 2020 (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
Strategic Transformation											
Energy, Fleet and Facilities											
T5016A	CSA000004	Region - Accessibility and Security	394		394			394			
T5021A	CSA000011	Landfill - Rehab & Replacement	208		208			208			
T5026A	CSA000020	Energy Program	100		100			100			
T5032B	CSA000067	WOC - Exterior Closures	30		30			30			
T5022B	CSA000081	LTC - Allendale	1,392		1,392			1,392			
T5022C	CSA000082	LTC - Creek Way	165		165			165			
T5022D	CSA000083	LTC - Post Inn	400		400			400			
T5048A	CSA000107	Fleet Equipment - Replacement	74		74			74			
Division Sub-total			2,763		2,763			2,763			
Information Technology											
T5410A	CST000001	Desktop Growth Licensing	35		35			35			
T5460A	CST000006	Technology - Replacement Servers	273		273			273			
T5460B	CST000007	Technology - Replacement Network	280		280			280			
T5450A	CST000008	Technology Infrastructure - New	159		159			159			
T5440A	CST000010	Microcomputer - Replacement	1,109		1,109			1,109			
T5410E	CST000022	Security Infrastructure Growth Licensing	5		5			5			
T5430C	CST000031	Voice New	23		23			23			
T5450B	CST000033	New Servers	115		115			115			
T5480A	CST000038	Water Lab Information System	100		100			100			
T5480C	CST000040	W/WW Application Maintenance	90		90			90			
T5440C	CST000041	Voice Replacement	326		326			326			
T5420N	CST000043	Waste Managment Systems Upgrade	75		75			75			
T5440D	CST000047	PS Mobile Computer Replace	392		392			392			
T5410J	CST000049	PS Growth Licensing	26		26			26			
T5460G	CST000069	SCADA Infrastructure/Server Replacement	84		84			84			
T5480K	CST000082	Maint. Work Management Replacement	100		100			100			
T5471H	CST000092	PS - Wireless	206		206			206			

Note: Schedule may not add due to rounding.



CAPITAL BUDGET

OTHER REGIONAL PROGRAMS-CAPITAL

2020

BUDGET & BUSINESS PLAN

2020 OTHER REGIONAL PROGRAMS											
PROJECT LISTING 2020 (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
T5480L	CST000093	PW CMMS Growth Licensing	60		60			60			
T5410Q	CST000103	DATS License Growth	3		3			3			
T5420FA	CST000117	Non-Enterprise Systems Upgrade/Replace	60		60			60			
T5420VA	CST000118	Halton.ca Upgrade/Replacement	100		100			100			
T5420MC	CST000123	New Non-Enterprise Systems	120		120			120			
T5420MB	CST000127	Information Management - Open Data	50		50			50			
T5420JA	CST000131	Integration Platform Upgrd/Rplce-Biztalk	50		50			50			
T5420MD	CST000138	Enterprise Sytem Enhancements	115		115			115			
T5420MF	CST000142	Service Access Strategy	250		250			250			
T5420YA	CST000148	DATS Replacement - Phase 2	100		100			100			
T5420EE	CST000150	Talent Management System	30		30			30			
	CST000152	Emergency Mass Notification System	50		50			50			
	CST000154	Purchasing - System Implementation	200		200			200			
Division Sub-total			4,585		4,585			4,585			
Department Sub-total			7,348		7,348			7,348			

Note: Schedule may not add due to rounding.



CAPITAL BUDGET
OTHER REGIONAL PROGRAMS-CAPITAL

2020

BUDGET & BUSINESS PLAN

2020 OTHER REGIONAL PROGRAMS PROJECT LISTING 2020 (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
		Total	32,306	57	32,248	277	3,079	28,892			
		<u>Summary</u>									
		Finance									
		Capital & Development Financing	814		813	230	575	8			
		Health									
		Paramedic Services	368		368	18	134	216			
		Legislative & Planning Services									
		Economic Development	185		185			185			
		Planning	20,620		20,620	29	2,370	18,221			
		Social & Community Services									
		Childrens Services	50		50			50			
		Services for Seniors	2,920	57	2,863			2,863			
		Strategic Transformation									
		Energy, Fleet and Facilities	2,763		2,763			2,763			
		Information Technology	4,585		4,585			4,585			
		Grand Total	32,305	57	32,247	277	3,079	28,891			

Note: Schedule may not add due to rounding.



CAPITAL BUDGET
OTHER REGIONAL PROGRAMS-CAPITAL

2020

BUDGET & BUSINESS PLAN

2020-2029 TAX BUDGET ITEMS FORECAST PROJECT FORECAST LISTING 2020-2029 (000 DOLLARS)													
PR NO	UNIQUE ID	PROJECT DESCRIPTION	GROSS COST	GROSS EXPENDITURE BY YEAR									
				2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Finance													
	Capital & Development Financing												
T5219A	CSB000009	Growth Studies	4,678	814	610	305	305	305	814	610	305	305	305
		Finance	4,678	814	610	305	305	305	814	610	305	305	305
Health													
	Paramedic Services												
	HAM000014	PS Vehicles	22,571	275	1,871	1,682	3,157	1,609	2,490	2,731	3,457	2,907	2,392
T6719A	HAM000015	Defibrillators	3,121	41	126	43	132	2,250	92	94	96	147	100
	HAM000016	PS Master Plan	150				150						
	HAM000018	Power Stretchers	3,758	52	106	54	1,438	1,410	230	117	117	117	117
	Public Health												
	HO000005	Public Health Vehicle	51					51					
	HO000007	Vaccine Fridges	204			51	51		17	34	17		34
		Health	29,855	368	2,103	1,830	4,928	5,320	2,829	2,976	3,687	3,171	2,643
Legislative & Planning Services													
	Economic Development												
	ED000001	Halton Heritage Centre	8,000			8,000							
	ED000004	Regional Wayfinding	185	185									
	Planning												
T8019A	PPLN000002	Planning Litigation - OMB Hearings	17,500	5,500	1,500	2,000	1,000	1,000	1,000	1,000	2,000	1,500	1,000
T8022A	PPLN000009	Forest Management Program	180		20	20	20	20	20	20	20	20	20
T8021C	PPLN000017	Regional Official Plan Imp (2019)	600	200	200	100	100						
	PPLN000022	Regional Official Plan Update (2024)	4,500				1,000	2,000	1,500				
	PPLN000024	Vehicle Replacements - Planning	40					40					

Note: Schedule may not add due to rounding.



CAPITAL BUDGET
OTHER REGIONAL PROGRAMS-CAPITAL

2020

BUDGET & BUSINESS PLAN

2020-2029 TAX BUDGET ITEMS FORECAST PROJECT FORECAST LISTING 2020-2029 (000 DOLLARS)													
PR NO	UNIQUE ID	PROJECT DESCRIPTION	GROSS COST	GROSS EXPENDITURE BY YEAR									
				2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
T7103B	PPLN000025	Regional Official Plan Imp (2024)	800					200	200	200	200		
	PPLN000028	CHS - Assisted Housing Development	98,500	9,000	9,400	9,450	9,450	11,200	10,000	10,000	10,000	10,000	10,000
	PPLN000033	Regional Official Plan (2029)	4,000							1,000	1,500	1,500	
	PPLN000034	Burlington Beach - Land	9,345	5,920	1,700	1,725							
	PPLN000035	Burlington Beach - Hydro Tower	12,204			12,204							
	PPLN000036	Burlington Beach - Recreational Works	8,533			2,382				6,151			
	PPLN000037	Burl Beach - Environmental Restoration	4,937			1,838				3,099			
	PPLN000042	20-Year Forest Management Plan	150				150						
	PPLN000044	Regional Official Plan Impl (2029)	400									200	200
		Legislative & Planning Services	169,874	20,805	12,820	37,719	11,720	14,460	12,720	21,470	13,720	13,220	11,220
		Social & Community Services											
		Childrens Services											
T7009A	SCS000002	Capital Improvement Support	500	50	50	50	50	50	50	50	50	50	50
		Services for Seniors											
T7217A	SNR000009	Production Kitchen Equipment	1,650	1,650									
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
T7217B	SNR000017	Production Kitchen Post Inn	500	500									
	SNR000018	LTC - Vehicle Replacement	120	120									
		Social & Community Services	9,270	2,970	700	700	700	700	700	700	700	700	700
		Strategic Transformation											
		Communications & Customer Service											
	CCS000001	Postage Meter Replacement	30					15					15

Note: Schedule may not add due to rounding.



CAPITAL BUDGET

OTHER REGIONAL PROGRAMS-CAPITAL

2020

BUDGET & BUSINESS PLAN

2020-2029 TAX BUDGET ITEMS FORECAST PROJECT FORECAST LISTING 2020-2029 (000 DOLLARS)													
PR NO	UNIQUE ID	PROJECT DESCRIPTION	GROSS COST	GROSS EXPENDITURE BY YEAR									
				2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
	Energy, Fleet and Facilities												
T5014A	CSA000002	Facility Office Space Accommodation	6,850		1,350	1,050	600	600	650	650	650	650	650
T5016A	CSA000004	Region - Accessibility and Security	1,294	394	100	100	100	100	100	100	100	100	100
T5018A	CSA000007	Museum - Rehab & Replacement	537		56	55	59	55	52	56	55	57	92
T5021A	CSA000011	Landfill - Rehab & Replacement	2,082	208	64	116	99	206	127	65	62	673	462
T5024A	CSA000015	Region - Building Condition Assessments	2,450		700	150	150	150	150	700	150	150	150
T5026A	CSA000020	Energy Program	1,000	100	100	100	100	100	100	100	100	100	100
T5029A	CSA000022	Building Automation System - Replacement	450		50	50	50	50	50	50	50	50	50
T5046A	CSA000034	Relocation to HRC	1,200		1,200								
	CSA000037	Non-Emergency Vehicle Replacement	338		32		70	47	87		70	32	
T5038A	CSA000039	Equipment - Building Sciences Investigat	70				35					35	
T5040A	CSA000043	PS HQ & PW Operations Centre Expansion	31,600		2,000		29,600						
T5041A	CSA000044	Site Services - Signage	50		50								
T5042A	CSA000045	Childcare Centres LTC	310		30	35	35	35	35	35	35	35	35
T5013Q	CSA000046	HRC - Exterior Closures	922			46	6				5	865	
T5013C	CSA000047	HRC - Roofing	157						37	120			
T5013D	CSA000048	HRC - Interior Construction	415		104	159	12		5	3	96	36	
T5013F	CSA000049	HRC - Interior Finishes	942		14	54	153		124	280	300	17	
T5013H	CSA000050	HRC - Plumbing	449		24	94	42		228	10	7	44	
T5013I	CSA000051	HRC - HVAC	964		167	413	88	33	94	109		32	28
T5013J	CSA000052	HRC - Fire Protection	70						70				
T5013K	CSA000053	HRC - Electrical	1,043		163	105	269	72	51	39	2	342	
T5013L	CSA000054	HRC - Equipment	194		18	2			4	170			

Note: Schedule may not add due to rounding.



CAPITAL BUDGET
OTHER REGIONAL PROGRAMS-CAPITAL

2020

BUDGET & BUSINESS PLAN

2020-2029 TAX BUDGET ITEMS FORECAST PROJECT FORECAST LISTING 2020-2029 (000 DOLLARS)													
PR NO	UNIQUE ID	PROJECT DESCRIPTION	GROSS COST	GROSS EXPENDITURE BY YEAR									
				2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
T5013M	CSA000055	HRC - Furnishings	138		25		7		51		55		
T5013O	CSA000056	HRC - Site Improvements	1,538			28	6	740	213	72	476	3	
T5025B	CSA000057	NOC - Exterior Closures	10					10					
T5025C	CSA000058	NOC - Interior Construction	15			8					7		
T5025E	CSA000060	NOC - Interior Finishes	55		50	5							
T5025F	CSA000061	NOC - Plumbing	24			3				21			
T5025G	CSA000062	NOC - HVAC	170			15		58	63	14		20	
T5025M	CSA000066	NOC - Civil and Mechanical Utilities	80				80						
T5032B	CSA000067	WOC - Exterior Closures	159	30						14	20	95	
T5032D	CSA000068	WOC - Interior Construction	45			25				4	16		
T5032E	CSA000069	WOC - Plumbing	105		79	15					11		
T5032F	CSA000070	WOC - HVAC	478		176	122	59			15	106		
T5032I	CSA000071	WOC - Equipment	57		27						4		26
T5032K	CSA000072	WOC - Site Improvements	12			12							
T5020B	CSA000074	EMS - Station #00	458		72	79	55		3	30	65	154	
T5020C	CSA000075	EMS - Station #02	72			1		21	9	2	8	5	26
T5020D	CSA000076	EMS - Station #04	113		43	11	19	1	3	10	6	20	
T5020E	CSA000077	EMS - Station #05	273		200	28	7	2	11	3	21	1	
T5020F	CSA000078	EMS - Station #07	280		21	7	48	35	41	20	22	55	31
T5020G	CSA000079	EMS - Station #08	199		5	11	8	8	57	18	21	45	26
T5020H	CSA000080	EMS - Station #10	83		12		2	12	12	6	4	4	31
T5022B	CSA000081	LTC - Allendale	8,661	1,392	658	185	501	594	688	1,006	1,109	1,655	873
T5022C	CSA000082	LTC - Creek Way	2,142	165	260	134	202	60	188	5	24	945	159

Note: Schedule may not add due to rounding.



CAPITAL BUDGET
OTHER REGIONAL PROGRAMS-CAPITAL

2020

BUDGET & BUSINESS PLAN

2020-2029 TAX BUDGET ITEMS FORECAST PROJECT FORECAST LISTING 2020-2029 (000 DOLLARS)													
PR NO	UNIQUE ID	PROJECT DESCRIPTION	GROSS COST	GROSS EXPENDITURE BY YEAR									
				2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
T5022D	CSA000083	LTC - Post Inn	2,630	400	142	184	150	148	274	220	235	224	653
T5013E	CSA000085	HRC - Stairs	10			10							
T5013G	CSA000086	HRC - Conveying	455				435		20				
T5013N	CSA000087	HRC - Special Construction	16		8		8						
T5025H	CSA000088	NOC - Fire Protection	4			4							
T5025I	CSA000089	NOC - Electrical	10		10								
T5032H	CSA000090	WOC - Electrical	71		3	15			43		10		
T5032N	CSA000091	WOC - Interior Finishes	240					50		50	90	50	
T5032M	CSA000092	WOC - Furnishings	134								38		96
T5022E	CSA000093	LTC - IT Room - Allendale	20					20					
T5013R	CSA000094	HRC - Civil and Mechanical Utilities	34				2						32
T5013P	CSA000095	HRC - Electrical Utilities	179			179							
T5025N	CSA000096	NOC - Electrical Utilities	7								7		
T5025O	CSA000097	NOC - Furnishings	38								38		
T5032C	CSA000098	WOC - Roofing	20			4					16		
T5032O	CSA000100	WOC - Electrical Utilities	7			7							
T5020I	CSA000101	EMS - Station #12	249		200		7	4	13	8	5	12	
T5020J	CSA000102	EMS - Station #14	15				2		9		4		
T5020K	CSA000103	EMS - Station #03	164		3	11	53	30	18	2	19	28	
T5020L	CSA000104	EMS - Station #06	185			10	77	4	11	10	30	43	
T5020M	CSA000105	EMS - Station #13	63			21	2	5	4		18	2	11
T5020N	CSA000106	EMS - Storage Room	31			22	9						
T5048A	CSA000107	Fleet Equipment - Replacement	238	74	12	12	12	12	12	26	26	26	26

Note: Schedule may not add due to rounding.



CAPITAL BUDGET
OTHER REGIONAL PROGRAMS-CAPITAL

2020

BUDGET & BUSINESS PLAN

2020-2029 TAX BUDGET ITEMS FORECAST PROJECT FORECAST LISTING 2020-2029 (000 DOLLARS)													
PR NO	UNIQUE ID	PROJECT DESCRIPTION	GROSS COST	GROSS EXPENDITURE BY YEAR									
				2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
T5025P	CSA000108	NOC - Roofing	30									30	
T5032P	CSA000110	WOC - Conveying	90									90	
T5013S	CSA000111	HRC - Superstructure	19										19
		Information Technology											
T5410A	CST000001	Desktop Growth Licensing	372	35	36	36	37	37	38	38	38	38	39
T5410B	CST000002	ERP Growth Licensing	451		68	68	45	45	45	45	45	45	45
T5460A	CST000006	Technology - Replacement Servers	2,016	273	77	147	196	210	315	119	189	238	252
T5460B	CST000007	Technology - Replacement Network	4,560	280	405	500	255	535	585	500	500	500	500
T5450A	CST000008	Technology Infrastructure - New	2,515	159	178	171	201	301	301	301	301	301	301
T5440A	CST000010	Microcomputer - Replacement	12,118	1,109	1,159	1,075	1,212	1,265	1,328	1,044	1,239	1,209	1,478
T5470B	CST000015	Long Term Care Systems Replacement	750		150	50	150		50	150		50	150
T5410D	CST000021	GIS Growth Licensing	342		51	51	35	35	30	35	35	35	35
T5410E	CST000022	Security Infrastructure Growth Licensing	50	5	5	5	5	5	5	5	5	5	5
T5410F	CST000023	Customer Service Growth Licensing	500		75	75	50	50	50	50	50	50	50
T5410H	CST000024	Collaboration & Doc. Mngt Licensing	719		88	93	70	78	75	75	80	80	80
T5430C	CST000031	Voice New	242	23	23	24	24	24	24	25	25	25	25
T5440B	CST000032	Printers Replacement	1,798		254	263	168	128	326	124	195	170	170
T5450B	CST000033	New Servers	1,584	115	135	148	148	148	178	178	178	178	178
T5460F	CST000037	IT Data Centre	450		100	50		100	100			100	
T5480A	CST000038	Water Lab Information System	925	100	100	100	100	100	100	100	25	100	100
T5480C	CST000040	W/WW Application Maintenance	970	90	90	90	100	100	100	100	100	100	100
T5440C	CST000041	Voice Replacement	1,746	326	164	240	340	75	100	100	100	100	201
T5420N	CST000043	Waste Managment Systems Upgrade	195	75				20	80				20

Note: Schedule may not add due to rounding.



CAPITAL BUDGET
OTHER REGIONAL PROGRAMS-CAPITAL

2020

BUDGET & BUSINESS PLAN

2020-2029 TAX BUDGET ITEMS FORECAST PROJECT FORECAST LISTING 2020-2029 (000 DOLLARS)													
PR NO	UNIQUE ID	PROJECT DESCRIPTION	GROSS COST	GROSS EXPENDITURE BY YEAR									
				2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
T5410T	CST000045	Region Aerial Photography	510		95		100		105		105		105
T5440D	CST000047	PS Mobile Computer Replace	1,495	392		6	36	403	42	30	84	424	78
T5410J	CST000049	PS Growth Licensing	251	26	26	26	26	9	26	26	30	30	26
T5420Q	CST000054	Asset Reporting Sys Upgrade/Rplcmt Riva	300				150					150	
T5460G	CST000069	SCADA Infrastructure/Server Replacement	517	84		24	105	75	42	42	24	105	16
T5471E	CST000070	PS - Dispensing system replacement	500		250							250	
T5471F	CST000072	PS - ePCR System Replacement	480		240						240		
T5480K	CST000082	Maint. Work Management Replacement	950	100	100	150	50	50	50	200	200	50	
T5471H	CST000092	PS - Wireless	628	206	20	15	33	11	260	20	23	21	19
T5480L	CST000093	PW CMMS Growth Licensing	480	60	60	60	60	40	40	40	40	40	40
T5471I	CST000100	PS - Information Sys. Repl.	135				75	30	30				
T5410Q	CST000103	DATS License Growth	36	3	3	3	3	4	4	4	4	4	4
T5460H	CST000107	Council AV Equip. Repl.	200						200				
T5471L	CST000108	PS - Dispatch Connectivity	240					120					120
T5471M	CST000109	Enterprise WFM - PS Upgrade/Replacement	300		100		100			100			
T5420A	CST000110	Siebel System Upgrade	500		100		100		100		100		100
T5420E	CST000111	SAP System Upgrade	760		200			280			280		
T5420MA	CST000112	GIS System Upgrade	300		50	50		50	50		50	50	
	CST000113	DATS Future Upgrade Replacement	600				200			200			200
T5420FB	CST000114	Microsoft/Office Upgrade	200				100					100	
T5420JB	CST000115	SharePoint Upgrade	300		75		75			75			75
T5420J	CST000116	Sire Upgrade/Replacement	365		90	25			75	75			100
T5420FA	CST000117	Non-Enterprise Systems Upgrade/Replace	1,075	60	125	150	75	125	80	125	85	125	125

Note: Schedule may not add due to rounding.



CAPITAL BUDGET
OTHER REGIONAL PROGRAMS-CAPITAL

2020

BUDGET & BUSINESS PLAN

2020-2029 TAX BUDGET ITEMS FORECAST PROJECT FORECAST LISTING 2020-2029 (000 DOLLARS)													
PR NO	UNIQUE ID	PROJECT DESCRIPTION	GROSS COST	GROSS EXPENDITURE BY YEAR									
				2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
T5420VA	CST000118	Halton.ca Upgrade/Replacement	450	100		50	100	50		50	50	50	
T5420MC	CST000123	New Non-Enterprise Systems	1,175	120	125	150	75	125	80	125	125	125	125
T5420EC	CST000125	Enterprise WorkForce Mgmt - Corporate	600					300					300
T5420MB	CST000127	Information Management - Open Data	200	50			50			50			50
T5471J	CST000128	Information Mgmt - PS Data Warehouse	200				100					100	
T5422I	CST000130	Information Mgmt - Public Works	140					90				50	
T5420JA	CST000131	Integration Platform Upgrd/Rplce-Biztalk	350	50	200					100			
T5420V	CST000132	Halton Central Replacement Phases 2 & 3	300				100	50		50	50		50
T5410R	CST000133	Non-Enterprise Systems Growth Licensing	220		33	33	22	22	22	22	22	22	22
T5420R	CST000134	IT Service Request & Asset Mgmt Rplce	150		50			50			50		
T5420U	CST000135	IPFS Replacement	150		50			50			50		
T5420X	CST000136	Debenture Management System Replacement	150		50			50			50		
T5420MD	CST000138	Enterprise Sytem Enhancements	1,090	115	110	130	100	100	95	110	110	110	110
T5420MF	CST000142	Service Access Strategy	450	250	200								
T5420YA	CST000148	DATS Replacement - Phase 2	100	100									
T5420EE	CST000150	Talent Management System	30	30									
	CST000152	Emergency Mass Notification System	50	50									
	CST000154	Purchasing - System Implementation	650	200	250	200							
		Strategic Transformation	123,417	7,348	13,987	7,954	38,189	8,617	8,838	8,475	9,070	11,854	9,084
		Total Required Financing	337,094	32,305	30,220	48,508	55,842	29,402	25,901	34,231	27,482	29,250	23,952

Note: Schedule may not add due to rounding.



Halton Region

Budget and Business Plan 2020

Halton Regional Police Service

CAPITAL BUDGET

HALTON REGIONAL POLICE SERVICE-CAPITAL

2020

BUDGET & BUSINESS PLAN

2020 HALTON REGIONAL POLICE SERVICE											
PROJECT LISTING 2020 (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
<u>Halton Regional Police Services</u>											
T6838C	PO000002	Business Applications	618		618			618			
T6850B	PO000006	Automated Finger Printing System	200		200			200			
T6865A	PO000013	Facilities - Building Projects/Upgrades	300		300			300			
	PO000028	Handgun Replacement	604		604			604			
T6836D	PO000043	Computer Replacement	250		250			250			
T6844G	PO000046	Technology Replacements	482		482			482			
T6844E	PO000047	Network Server Replacements	150		150			150			
T6814E	PO000051	Mobile Workstation (MWS) Replacement	200		200			200			
	PO000056	Police Vehicles	1,969		1,969	75	174	1,720			
	PO000061	Conducted Energy Weapons	340		340			340			
	PO000078	Public Safety LTE Network Project	815		815	213	520	82			
	PO000079	Portal Re-design - Future Phases	80		80			80			
	PO000087	CAD Replacement	650		650			650			
	PO000092	Next Generation 911	825		825			825			
	PO000095	Intelligence Database	200		200			200			
	PO000097	Front Desk Glass - 12 & 30 Division	100		100			100			
	PO000098	12 Division - Major Parking Lot Repairs	165		165			165			
	PO000100	E-Ticketing	337		337			337			
	PO000102	Noise Cancelling Microphones	160		160			160			
	PO000103	20 Div - Female Locker Room Expansion	33		33			33			
	PO000104	Chair Replacement Program	150		150			150			
Total			8,628		8,628	288	694	7,645			
<u>Summary</u>											
Halton Regional Police Services			8,627		8,627	288	694	7,645			
Grand Total			8,627		8,627	288	694	7,645			

Note: Schedule may not add due to rounding.



CAPITAL BUDGET

HALTON REGIONAL POLICE SERVICE-CAPITAL

2020

BUDGET & BUSINESS PLAN

2020-2029 HALTON REGIONAL POLICE SERVICE FORECAST PROJECT FORECAST LISTING 2020-2029 (000 DOLLARS)													
PR NO	UNIQUE ID	PROJECT DESCRIPTION	GROSS COST	GROSS EXPENDITURE BY YEAR									
				2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
		<u>Halton Regional Police Services</u>											
T6838C	PO000002	Business Applications	5,568	618	700	750	500	500	500	500	500	500	500
T6850B	PO000006	Automated Finger Printing System	200	200									
T6865A	PO000013	Facilities - Building Projects/Upgrades	2,100	300	200	200	200	200	200	200	200	200	200
	PO000028	Handgun Replacement	604	604									
T6866A	PO000034	1 District - Consolidated Facility	5,100			3,060	2,040						
T6848A	PO000042	Search & Rescue Vessel (Marine II)	500				500						
T6836D	PO000043	Computer Replacement	2,500	250	250	250	250	250	250	250	250	250	250
T6869A	PO000044	Search & Rescue Vessel (Marine I)	1,300		100					1,200			
T6844G	PO000046	Technology Replacements	5,832	482	550	600	600	600	600	600	600	600	600
T6844E	PO000047	Network Server Replacements	2,400	150	250	250	250	250	250	250	250	250	250
T6814E	PO000051	Mobile Workstation (MWS) Replacement	200	200									
T6849B	PO000052	Radio System - Infrastructure / Towers	2,000				1,000				1,000		
T6834B	PO000054	Building Security Systems	1,000							500	500		
	PO000056	Police Vehicles	21,478	1,969	2,274	2,106	2,369	2,283	2,009	2,038	2,192	2,138	2,100
	PO000061	Conducted Energy Weapons	340	340									
	PO000072	Body-Worn Cameras	500			500							
	PO000078	Public Safety LTE Network Project	3,927	815	778	778	778	778					
	PO000079	Portal Re-design - Future Phases	280	80	100	100							
	PO000083	Explosives Disposal Unit (EDU) - Replacement Vehicle	350			350							
	PO000084	Disaster Recovery Centre/Bus. Continuity	1,000			1,000							
	PO000085	Secure WAN	1,650					1,650					
	PO000087	CAD Replacement	5,650	650					5,000				

Note: Schedule may not add due to rounding.



CAPITAL BUDGET

HALTON REGIONAL POLICE SERVICE-CAPITAL

2020

BUDGET & BUSINESS PLAN

2020-2029 HALTON REGIONAL POLICE SERVICE FORECAST PROJECT FORECAST LISTING 2020-2029 (000 DOLLARS)													
PR NO	UNIQUE ID	PROJECT DESCRIPTION	GROSS COST	GROSS EXPENDITURE BY YEAR									
				2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
	PO000089	Replacement EDU Robot	150								150		
	PO000090	Operational Support Program	500		100		100		100		100		100
	PO000092	Next Generation 911	825	825									
	PO000093	Research & Development - IT	400			100		100		100		100	
	PO000094	GPS Portable Phase 2	250			250							
	PO000095	Intelligence Database	200	200									
	PO000096	Body Scanner	250		250								
	PO000097	Front Desk Glass - 12 & 30 Division	100	100									
	PO000098	12 Division - Major Parking Lot Repairs	165	165									
	PO000099	Water Tank Room	225		225								
	PO000100	E-Ticketing	337	337									
	PO000101	Shared Infrastructure with Peel Region	500					500					
	PO000102	Noise Cancelling Microphones	160	160									
	PO000103	20 Div - Female Locker Room Expansion	33	33									
	PO000104	Chair Replacement Program	150	150									
		Total Required Financing	68,724	8,627	5,777	10,294	8,587	7,111	8,909	5,638	5,742	4,038	4,000

Note: Schedule may not add due to rounding.



Halton Region

Budget and Business Plan 2020

Water & Wasterwater - Capital

CAPITAL BUDGET
WATER/WASTEWATER - CAPITAL

2020
BUDGET & BUSINESS PLAN

2020 - 2029 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
2020 Non-Development Programs									
Water	103,526	986	102,540	-	-	102,540	-	-	-
Wastewater	37,840	-	37,840	-	-	37,840	-	-	-
Sub-total	141,366	986	140,380	-	-	140,380	-	-	-
Development Programs									
Water	68,311	-	68,311	-	50,093	1,038	17,180	-	-
Wastewater	50,858	-	50,858	-	32,585	6,947	11,326	-	-
Sub-total	119,169	-	119,169	-	82,678	7,985	28,506	-	-
TOTAL 2020	260,535	986	259,549	-	82,678	148,365	28,506	-	-
2021 Non-Development Programs									
Water	48,148	986	47,162	-	-	47,162	-	-	-
Wastewater	46,115	-	46,115	-	-	46,115	-	-	-
Sub-total	94,263	986	93,277	-	-	93,277	-	-	-
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	117,696	986	116,710	-	12,454	99,921	4,335	-	-
2022 Non-Development Programs									
Water	48,976	986	47,990	-	-	47,990	-	-	-
Wastewater	46,628	-	46,628	-	-	46,628	-	-	-
Sub-total	95,604	986	94,618	-	-	94,618	-	-	-
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	120,716	986	119,730	-	13,964	101,164	4,602	-	-
2023 Non-Development Programs									
Water	50,468	986	49,482	-	-	49,482	-	-	-
Wastewater	91,183	-	91,183	-	-	91,183	-	-	-
Sub-total	141,651	986	140,665	-	-	140,665	-	-	-
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	391,737	986	390,751	-	161,960	173,708	55,083	-	-

CAPITAL BUDGET
WATER/WASTEWATER - CAPITAL

2020
BUDGET & BUSINESS PLAN

2020 - 2029 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
2024 Non-Development Programs									
Water	49,725	986	48,739	-	-	48,739	-	-	-
Wastewater	69,990	-	69,990	-	-	69,990	-	-	-
Sub-total	119,715	986	118,729	-	-	118,729	-	-	-
Development Programs									
Water	59,507	-	59,507	-	47,878	1,545	10,084	-	-
Wastewater	14,816	-	14,816	-	10,965	-	3,851	-	-
Sub-total	74,323	-	74,323	-	58,843	1,545	13,935	-	-
TOTAL 2024	194,038	986	193,052	-	58,843	120,274	13,935	-	-
2025 Non-Development Programs									
Water	36,891	986	35,905	-	-	35,905	-	-	-
Wastewater	66,680	-	66,680	-	-	66,680	-	-	-
Sub-total	103,571	986	102,585	-	-	102,585	-	-	-
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	266,861	986	265,875	-	106,818	121,731	37,326	-	-
2026 Non-Development Programs									
Water	49,269	986	48,283	-	-	48,283	-	-	-
Wastewater	72,003	-	72,003	-	-	72,003	-	-	-
Sub-total	121,272	986	120,286	-	-	120,286	-	-	-
Development Programs									
Water	74,069	-	74,069	-	50,701	6,179	17,189	-	-
Wastewater	65,957	-	65,957	-	47,159	2,302	16,496	-	-
Sub-total	140,026	-	140,026	-	97,860	8,481	33,685	-	-
TOTAL 2026	261,298	986	260,312	-	97,860	128,767	33,685	-	-
2027 Non-Development Programs									
Water	31,695	986	30,709	-	-	30,709	-	-	-
Wastewater	82,050	-	82,050	-	-	82,050	-	-	-
Sub-total	113,745	986	112,759	-	-	112,759	-	-	-
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	127,258	986	126,272	-	10,098	112,759	3,415	-	-

CAPITAL BUDGET
WATER/WASTEWATER - CAPITAL

2020
BUDGET & BUSINESS PLAN

2020 - 2029 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
2028 Non-Development Programs									
Water	50,487	986	49,501	-	-	49,501	-	-	-
Wastewater	85,017	-	85,017	-	-	85,017	-	-	-
Sub-total	135,504	986	134,518	-	-	134,518	-	-	-
Development Programs									
Water	12,345	-	12,345	-	10,957	-	1,388	-	-
Wastewater	30,267	-	30,267	-	15,810	9,206	5,251	-	-
Sub-total	42,612	-	42,612	-	26,767	9,206	6,639	-	-
TOTAL 2028	178,116	986	177,130	-	26,767	143,724	6,639	-	-
2029 Non-Development Programs									
Water	56,547	986	55,561	-	-	55,561	-	-	-
Wastewater	87,723	-	87,723	-	-	87,723	-	-	-
Sub-total	144,270	986	143,284	-	-	143,284	-	-	-
Development Programs									
Water	10,503	-	10,503	-	7,774	-	2,729	-	-
Wastewater	573	-	573	-	424	-	149	-	-
Sub-total	11,076	-	11,076	-	8,198	-	2,878	-	-
TOTAL 2029	155,346	986	154,360	-	8,198	143,284	2,878	-	-
TOTAL Non-Development Programs									
Water	525,732	9,860	515,872	-	-	515,872	-	-	-
Wastewater	685,229	-	685,229	-	-	685,229	-	-	-
Sub-total	1,210,961	9,860	1,201,101	-	-	1,201,101	-	-	-
Development Programs									
Water	444,415	-	444,415	-	331,578	8,812	104,025	-	-
Wastewater	418,225	-	418,225	-	248,062	83,784	86,379	-	-
Sub-total	862,640	-	862,640	-	579,640	92,596	190,404	-	-
TOTAL 2020-2029	2,073,601	9,860	2,063,741	-	579,640	1,293,697	190,404	-	-

Note: Schedule may not add due to rounding.

Halton Region

Budget and Business Plan 2020

Water Non-Development

CAPITAL BUDGET

2020

WATER-CAPITAL

BUDGET & BUSINESS PLAN

NON-DEVELOPMENT		2020 WATER SYSTEM PROJECT LISTING 2020 (000 DOLLARS)								
PROJECT NUMBER	UNIQUE ID	PROJECT DESCRIPTION	GROSS COST	SUB*Y/ RECOV	REGIONAL RESPONSIBILITY					
					DEVEL. CHGS.		GEN RESERV	CAP INVT RESERV	DEBENTURES	
					NON-RES	RES				
<u>Efficiency and Optimization</u>										
	7885	Water System Optimization and Artificial Intelligence Software for Distribution System (REG)	2,000				2,000			
	7898	Water - Treatment Plant Optimization Studies (REG)	200				200			
		Sub-total	2,200				2,200			
<u>Enhanced Levels of Service</u>										
	7931	300mm WM on Ninth Line from Upper Middle Road to 1000m north of Upper Middle Road (Hydro Corridor) (OAK)	2,300				2,300			
	7007	Vehicle - New - Water (REG)	438				438			
		Sub-total	2,738				2,738			
<u>Growth</u>										
PR-3184I	7646	New Water Meter - 20mm (REG)	791	791						
PR-3184J	7647	New Water Meter - 25mm (REG)	50	50						
PR-3184K	7648	New Water Meter - 40mm (REG)	30	30						
PR-3184L	7652	New Water Meter - 50mm (REG)	35	35						
PR-3184M	7654	New Water Meter - 75mm (REG)	60	60						
PR-3184N	7655	New Water Meter => 100mm (REG)	20	20						

Note: Schedule may not add due to rounding.



CAPITAL BUDGET

2020

WATER-CAPITAL

BUDGET & BUSINESS PLAN

NON-DEVELOPMENT		2020 WATER SYSTEM PROJECT LISTING 2020 (000 DOLLARS)								
PROJECT NUMBER	UNIQUE ID	PROJECT DESCRIPTION	GROSS COST	SUB'Y/ RECOV	REGIONAL RESPONSIBILITY					
					DEVEL. CHGS.		GEN RESERV	CAP INVT RESERV	DEBENTURES	
					NON-RES	RES				
PR-3184N	7655	New Water Meter => 100mm (REG)								
		Sub-total	986	986						
		<u>Maintain Current Levels of Service</u>								
PR-3310	6074	200mm WM on Linmouth Tr. from Falmouth Tr. to Faversham Ave. (BUR)	223				223			
PR-3310	6303	300mm WM on Havendale Blvd. from Brant St to End (BUR)	631				631			
PR-3146	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)	1,569				1,569			
PR-3146	6312	200mm WM on Bromley Rd. from Kenwood Ave. to White Pines Dr. (BUR) (RR)	1,076				1,076			
PR-3099	6326	150mm WM on Green Meadow Dr. from Heather Hills Dr. to Heather Hills Dr. (BUR) (RR)	1,669				1,669			
PR-3313	6328	150mm WM on Turner Dr from Bennett Rd. to Longmoor Dr. (BUR) (WWM)	243				243			
PR-3264	6334	150mm WM on Canterbury Dr. from Kerns Rd. to Tyandaga Park Dr. (BUR) (RR)	1,684				1,684			
PR-3029	7026	600mm WM on Easement north of Glenwood School Drive, from Guelph Line to 100 m West (BUR) (RR)	150				150			
PR-3264	7039	150mm WM on Agincourt Crescent from Canterbury Dr to Canterbury Dr (BUR) (RR)	972				972			
PR-3216	7096	200mm WM on Belvenia Rd from New Str to Longmoor Dr (BUR)	1,538				1,538			

Note: Schedule may not add due to rounding.



CAPITAL BUDGET

2020

WATER-CAPITAL

BUDGET & BUSINESS PLAN

NON-DEVELOPMENT 2020 WATER SYSTEM PROJECT LISTING 2020 (000 DOLLARS)										
PROJECT NUMBER	UNIQUE ID	PROJECT DESCRIPTION	GROSS COST	SUB'Y/ RECOV	REGIONAL RESPONSIBILITY					
					DEVEL. CHGS.		GEN RESERV	CAP INVT RESERV	DEBENTURES	
					NON-RES	RES			GROWTH	REGIONAL
PR-3311	7104	300mm WM on Palmer Drive from Guelph Line to Centennial Dr (BUR) (RR)	389				389			
PR-3146	7111	300mm WM on Coldstream Drive from Duncaster Dr to Melissa Cres (BUR) (RR)	1,155				1,155			
PR-3310B	7410	300mm WM on Tyandaga Park Dr from Brant Street to Kerns Road and 200mm WM on Easement from Tyandaga Park Dr to Ester Dr and 150mm WM on Westbury Ave from Tyandaga Park Dr to 80m south of Tyandaga Park Dr and 150mm WM on Wakefield Cres from Tyan	1,024				1,024			
PR-3313	7562	150mm WM on Wicklow Road from Limerick Road to 40m south of Belfast Street (ID 6274) 150mm WM on from Wicklow Road to Tipperary Ave (BUR) (RR) (WWM)	250				250			
	7615	Mount Forest Reservoir and Booster Station Renewal (BUR)	300				300			
PR-3095B	7688	Bailie Booster Station and Yard Piping Renewal (BUR)	3,226				3,226			
PR-3215	7742	300mm WM on James Street from Martha St to Brant St (BUR) (RR)	1,900				1,900			
PR-3095B	7743	Installation of Waterproofing Membrane on Cell No.1 & No.2 at Bailie Reservoir (BUR)	489				489			
PR-3249B	7825	Brant Street Reservoir Roof Waterproofing Membrane (BUR)	431				431			
PR-3269	7827	150mm WM on Lomond Crescent from Inverary Road to Longmoor Drive 150mm WM on Ayr Place from Lomond Crescent to End (BUR) (RR)	1,405				1,405			
PR-3311	7899	150mm WM on Autumn Hill Cres. from Snowhill Ct. to Driftwood Dr. 150mm WM on Driftwood Dr. from Autumn Hill Cres. to Hemlock Ct. (BUR)	357				357			

Note: Schedule may not add due to rounding.

CAPITAL BUDGET

2020

WATER-CAPITAL

BUDGET & BUSINESS PLAN

NON-DEVELOPMENT 2020 WATER SYSTEM PROJECT LISTING 2020 (000 DOLLARS)										
PROJECT NUMBER	UNIQUE ID	PROJECT DESCRIPTION	GROSS COST	SUB'Y/ RECOV	REGIONAL RESPONSIBILITY					
					DEVEL. CHGS.		GEN RESERV	CAP INVT RESERV	DEBENTURES	
					NON-RES	RES			GROWTH	REGIONAL
PR-3312	7900	300mm WM on Grahams Lane from Brant St to Easement (BUR)	200				200			
PR-3213	7660	Prospect Park Water Purification Plant Fairy Lake Dam Rehabilitation (HHACT)	345				345			
	7905	150mm WM on Reid Crt from Rexway Dr to End (HHACT) (WWM)	120				120			
	6070	200mm WM on Pennington Cr. from Mountainview Rd. to End (HHGEO)	330				330			
	6092	200mm WM on Delrex Blvd. from Mountainview Rd. to Chelvin Dr. (HHGEO)	761				761			
PR-3212	6316	200mm WM on Prince Charles Dr. from Windsor Road to Delrex Blvd (HHGEO) (WWM)	2,242				2,242			
	7620	150mm WM on Ontario Street from Ewing Street to 100m North (HHGEO) (WWM)	50				50			
PR-2907	6199	300mm WM on McGeachie Drive from Harrop Drive to End (MIL) (RR) (WWM)	1,248				1,248			
PR-2907	6250	300mm WM on Harrop Dr. from Steeles Avenue to Highway 401 (MIL)	1,343				1,343			
PR-3152	7262	300mm WM on Ontario Street South from Parkway Drive East to Laurier Avenue (MIL) (DEV)	1,352				1,352			
PR-3158	7480	400mm WM on Bronte Street from 500m north of Main Street to Steeles Avenue (MIL) (RR)	4,970				4,970			
PR-3315	7873	200mm WM on Maple Ave from West of Thompson Rd North to Woodward Ave (MIL) (RR)	233				233			
PR-3314	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)	182				182			

Note: Schedule may not add due to rounding.

CAPITAL BUDGET

2020

WATER-CAPITAL

BUDGET & BUSINESS PLAN

NON-DEVELOPMENT 2020 WATER SYSTEM PROJECT LISTING 2020 (000 DOLLARS)										
PROJECT NUMBER	UNIQUE ID	PROJECT DESCRIPTION	GROSS COST	SUB/Y/ RECOV	REGIONAL RESPONSIBILITY					
					DEVEL. CHGS.		GEN RESERV	CAP INVT RESERV	DEBENTURES	
					NON-RES	RES			GROWTH	REGIONAL
PR-3108	6042	Burloak WPP - Replacement of Membranes (OAK)	4,500				4,500			
PR-3209	6301	150mm WM on Selgrove Cr. from Woodhaven Park Dr. to Woodhaven Park Dr. (OAK) (WWM)	745				745			
PR-3314	6336	150mm WM on Stanfield Dr. from Bridge Rd. to Rebecca St. 150mm WM on Southland Crescent from Stanfield Drive to Stanfield Drive (OAK)	367				367			
	7298	Eighth Line Zone 3 Booster Station and Yard Piping Renewal (OAK)	417				417			
PR-3190	7400	SCADA controlled, Actuated Valve and Chamber on 600mm WM on Rebecca Street west of Bronte Road (OAK)	300				300			
	7636	Davis Road Booster Station Renewal (OAK)	300				300			
PR-3314	7695	150mm WM on Secord Avenue from Sherin Drive to Sandhurst Drive (OAK)	100				100			
PR-3314	7737	150mm WM on Water Street from William Street to Robinson Street 150mm WM on Robinson Street from Water Street to Navy Street 150mm WM on William Street from Water Street to Navy Street (OAK)	195				195			
	7819	Burloak WPP - Membrane Filtration Upgrade (Valve) (OAK)	550				550			
	7893	Burloak WPP - Landscaping Phase 2 (OAK)	200				200			
	6889	Vehicle Replacements (Existing)- Water (REG)	649				649			
PR-3026	7043	Water Distribution Pump Curve and Condition Base Line (REG)	90				90			
PR-3184E	7582	Large Meter Replacement Regular (REG)	173				173			
	7635	Water System Pressure & Flow Monitoring Program (REG)	100				100			

Note: Schedule may not add due to rounding.

CAPITAL BUDGET

2020

WATER-CAPITAL

BUDGET & BUSINESS PLAN

NON-DEVELOPMENT 2020 WATER SYSTEM PROJECT LISTING 2020 (000 DOLLARS)										
PROJECT NUMBER	UNIQUE ID	PROJECT DESCRIPTION	GROSS COST	SUB'Y/ RECOV	REGIONAL RESPONSIBILITY					
					DEVEL. CHGS.		GEN RESERV	CAP INVT RESERV	DEBENTURES	
					NON-RES	RES			GROWTH	REGIONAL
PR-3184H	7658	Small Water Meter Replacement (<=25mm) (REG)	557				557			
PR-3184G	7659	Intermediate Water Meter Replacement (40 & 50mm) (REG)	133				133			
PR-3249	7664	Water Maintenance Capital (System Services) (REG)	500				500			
PR-3079B	7785	Asset Management Roadmap Implementation - SP4 (REG)	200				200			
PR-3289	7789	Development and Implementation of a detailed AMI Plan (REG)	2,043				2,043			
PR-3276	7797	SCADA Master Plan Implementation - Water (REG)	200				200			
PR-3249B	7862	Brant Street structural interior and exterior repairs (REG)	835				835			
	7875	Monitoring Well Replacement Program (REG)	15				15			
	7883	Ozone Generator - Condition Appraisal and Mid-Life Refurbishments (OWPP, BWPP, BOWPP) (REG)	500				500			
	7891	Water - New Maintenance Facility (REG)	325				325			
PR-2173B	7895	North Water Well Rehabilitation (REG)	144				144			
	7914	System Operations Equipment - Water (REG)	47				47			
	7915	Regional Lab Equipment - Water (REG)	27				27			
	7916	System Services Equipment - Water (REG)	41				41			
	7921	Water Treatment Maintenance Capital - 2020 (REG)	1,000				1,000			
	7926	AMI Deployment & Meter Replacement (REG)	47,557				47,557			

Note: Schedule may not add due to rounding.

CAPITAL BUDGET

2020

WATER-CAPITAL

BUDGET & BUSINESS PLAN

NON-DEVELOPMENT										
2020 WATER SYSTEM PROJECT LISTING 2020 (000 DOLLARS)										
PROJECT NUMBER	UNIQUE ID	PROJECT DESCRIPTION	GROSS COST	SUB'Y/ RECOV	REGIONAL RESPONSIBILITY					
					DEVEL. CHGS.		GEN RESERV	CAP INVT RESERV	DEBENTURES	
					NON-RES	RES			GROWTH	REGIONAL
		Sub-total	96,867				96,867			
		Regulation and Environmental Protection								
	7788	Update to Halton Hills Water Quantity Models (REG) (WM)	300				300			
	7877	TSSA Upgrades - Water Booster Stations (REG)	435				435			
		Sub-total	735				735			
		Total	103,526	986			102,540			
		Summary								
		Efficiency and Optimization	2,200				2,200			
		Enhanced Levels of Service	2,738				2,738			
		Growth	986	986						
		Maintain Current Levels of Service	96,867				96,867			
		Regulation and Environmental Protection	735				735			
		Grand Total	103,526	986			102,540			

Note: Schedule may not add due to rounding.

CAPITAL BUDGET

WATER-CAPITAL

2020

BUDGET & BUSINESS PLAN

NON-DEVELOPMENT													
2020-2029 WATER FORECAST													
PROJECT FORECAST LISTING 2020 (000 DOLLARS)													
PR NO	UNIQ ID	PROJECT DESCRIPTION	GROSS COST	GROSS EXPENDITURE BY YEAR									
				2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
<u>Efficiency and Optimization</u>													
PR-3224	7203	SCADA Master Plan Review for Water Purification Plants and Distribution Systems - 2018 (REG)	100						100				
	7885	Water System Optimization and Artificial Intelligence Software for Distribution System (REG)	2,000	2,000									
	7898	Water - Treatment Plant Optimization Studies (REG)	1,000	200		100	100	100	100	100	100	100	100
		Sub-total	3,100	2,200		100	100	100	200	100	100	100	100
<u>Enhanced Levels of Service</u>													
	7931	300mm WM on Ninth Line from Upper Middle Road to 1000m north of Upper Middle Road (Hydro Corridor) (OAK)	2,300	2,300									
	7007	Vehicle - New - Water (REG)	876	438							438		
		Sub-total	3,176	2,738							438		
<u>Growth</u>													
PR-3184I	7646	New Water Meter - 20mm (REG)	7,910	791	791	791	791	791	791	791	791	791	791
PR-3184J	7647	New Water Meter - 25mm (REG)	500	50	50	50	50	50	50	50	50	50	50
PR-3184K	7648	New Water Meter - 40mm (REG)	300	30	30	30	30	30	30	30	30	30	30
PR-3184L	7652	New Water Meter - 50mm (REG)	350	35	35	35	35	35	35	35	35	35	35
PR-3184M	7654	New Water Meter - 75mm (REG)	600	60	60	60	60	60	60	60	60	60	60
PR-3184N	7655	New Water Meter => 100mm (REG)	200	20	20	20	20	20	20	20	20	20	20

Note: Schedule may not add due to rounding.



CAPITAL BUDGET

2020

WATER-CAPITAL

BUDGET & BUSINESS PLAN

NON-DEVELOPMENT													
2020-2029 WATER FORECAST													
PROJECT FORECAST LISTING 2020 (000 DOLLARS)													
PR NO	UNIQ ID	PROJECT DESCRIPTION	GROSS COST	GROSS EXPENDITURE BY YEAR									
				2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
		Sub-total	9,860	986	986	986	986	986	986	986	986	986	986
Maintain Current Levels of Service													
	4525	300mm WM on Hampton Heath Rd from Norrie Cres (N) to Windermere Dr (BUR)	1,352		244		1,108						
PR-2946B	5993	200mm WM on Flatt Rd. from Waterdown Rd. to 35 meter west of Flatt Rd. intersection (BUR) (RR)	1,511		1,511								
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)	1,510		1,510								
PR-3310	6074	200mm WM on Linmouth Tr. from Falmouth Tr. to Faversham Ave. (BUR)	1,209	223		986							
PR-3151	6101	200mm WM on Thornwood Ave. from Rexway Dr. to Rockwood Dr. (BUR) (RR)	1,010		1,010								
PR-3151	6264	150mm WM on Braemore Pl. from Braemore Rd. to End (BUR) (RR)	300		300								
PR-2946B	6284	150mm WM on Ireson Rd. from Waterdown Rd. to End (BUR) (RR)	446		446								
PR-3151	6294	200mm WM on Woodview Rd. from Maclaren Dr. to Rexway Dr. (BUR) (RR)	820		820								
	6295	200mm WM on Francis Rd. from Glenview Ave. to Plains Rd. (BUR)	1,216		243		973						
PR-3159	6298	200mm WM on Dynes Rd. from Prospect St. to Woodward Ave (BUR) (RR)	713		713								
PR-3310	6303	300mm WM on Havendale Blvd. from Brant St to End (BUR)	4,803	631		4,172							

Note: Schedule may not add due to rounding.



CAPITAL BUDGET

WATER-CAPITAL

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BUDGET & BUSINESS PLAN

NON-DEVELOPMENT 2020-2029 WATER FORECAST PROJECT FORECAST LISTING 2020 (000 DOLLARS)													
PR NO	UNIQ ID	PROJECT DESCRIPTION	GROSS COST	GROSS EXPENDITURE BY YEAR									
				2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
PR-3146	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)	1,569	1,569									
PR-3151	6306	200mm WM on Rockwood Dr. from Jennifer Cr. to Walkers Line (BUR) (RR)	1,070		1,070								
PR-3146	6312	200mm WM on Bromley Rd. from Kenwood Ave. to White Pines Dr. (BUR) (RR)	1,076	1,076									
PR-3099	6326	150mm WM on Green Meadow Dr. from Heather Hills Dr. to Heather Hills Dr. (BUR) (RR)	1,669	1,669									
PR-3313	6328	150mm WM on Turner Dr from Bennett Rd. to Longmoor Dr. (BUR) (WWM)	1,346	243		1,103							
PR-3264	6334	150mm WM on Canterbury Dr. from Kerns Rd. to Tyandaga Park Dr. (BUR) (RR)	1,684	1,684									
PR-2946B	6946	300mm WM on Waterdown Road from Mountainbrow Rd to Waterdown BS (BUR) (RR)	4,301		4,301								
PR-3029	7026	600mm WM on Easement north of Glenwood School Drive, from Guelph Line to 100 m West (BUR) (RR)	710	150		560							
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-3264	7039	150mm WM on Agincourt Crescent from Canterbury Dr to Canterbury Dr (BUR) (RR)	972	972									
PR-3216	7096	200mm WM on Belvenia Rd from New Str to Longmoor Dr (BUR)	1,538	1,538									

Note: Schedule may not add due to rounding.



CAPITAL BUDGET

WATER-CAPITAL

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BUDGET & BUSINESS PLAN

NON-DEVELOPMENT													
2020-2029 WATER FORECAST													
PROJECT FORECAST LISTING 2020 (000 DOLLARS)													
PR NO	UNIQ ID	PROJECT DESCRIPTION	GROSS COST	GROSS EXPENDITURE BY YEAR									
				2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
PR-3311	7104	300mm WM on Palmer Drive from Guelph Line to Centennial Dr (BUR) (RR)	2,343	389		1,954							
PR-3146	7111	300mm WM on Coldstream Drive from Duncaster Dr to Melissa Cres (BUR) (RR)	1,155	1,155									
PR-3214	7119	200mm WM on Mount Forest Drive /Tavistock Drive from Tait Ave to Guelph Line (BUR) (RR)	1,308		1,308								
	7130	150mm WM on Manchester Drive from Middlesmoor Cres to Middlesmoor Cres (BUR)	84										84
	7331	Burlington WPP - Replacement of Ozone Generators (2) (BUR)	4,034			360		3,674					
PR-3310B	7410	300mm WM on Tyandaga Park Dr from Brant Street to Kerns Road and 200mm WM on Easement from Tyandaga Park Dr to Ester Dr and 150mm WM on Westbury Ave from Tyandaga Park Dr to 80m south of Tyandaga Park Dr and 150mm WM on Wakefield Cres from Tyan	5,892	1,024			4,868						
	7414	Replacement of piping and addition of flow paced re-chlorination and meter at Headon Reservoir (BUR)	278				41		237				
PR-3151	7458	150mm WM on Jennifer Crescent from Ronald Drive to Manfred Drive (BUR) (RR)	520		520								
PR-3150	7462	300mm WM on Waterdown Road from Waterdown Booster Station to 50m south of Craven Avenue (BUR) (RR)	1,348		1,348								
PR-3313	7562	150mm WM on Wicklow Road from Limerick Road to 40m south of Belfast Street (ID 6274) 150mm WM on from Wicklow Road to Tipperary Ave (BUR) (RR) (WWM)	1,477	250		1,227							
	7615	Mount Forest Reservoir and Booster Station Renewal (BUR)	1,409	300		1,109							
PR-3095B	7688	Bailie Booster Station and Yard Piping Renewal (BUR)	3,226	3,226									

Note: Schedule may not add due to rounding.



CAPITAL BUDGET

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BUDGET & BUSINESS PLAN

NON-DEVELOPMENT													
2020-2029 WATER FORECAST													
PROJECT FORECAST LISTING 2020 (000 DOLLARS)													
PR NO	UNIQ ID	PROJECT DESCRIPTION	GROSS COST	GROSS EXPENDITURE BY YEAR									
				2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
	7710	Vertical Water - Water Purification Plants - Burlington WPP (BUR)	88,763				115	20,447	11,696	23,195	8,136	12,493	12,681
PR-3219	7735	300mm WM on Prospect Street and Guelph Line Intersection (BUR) (RR)	294		294								
PR-3215	7742	300mm WM on James Street from Martha St to Brant St (BUR) (RR)	1,900	1,900									
PR-3095B	7743	Installation of Waterproofing Membrane on Cell No.1 & No.2 at Bailie Reservoir (BUR)	489	489									
PR-3219	7753	300mm WM on Prospect Street from Guelph Line to Cumberland Ave (BUR) (RR)	1,312		1,312								
	7822	Burlington WPP Surge Tanks and Primary Power Replacement (BUR)	5,000		1,000	4,000							
PR-3270	7824	Washburn PS and Reservoir Upgrades (BUR)	1,968		1,968								
PR-3249B	7825	Brant Street Reservoir Roof Waterproofing Membrane (BUR)	431	431									
PR-3269	7827	150mm WM on Lomond Crescent from Inverary Road to Longmoor Drive 150mm WM on Ayr Place from Lomond Crescent to End (BUR) (RR)	1,405	1,405									
	7871	New Watermain Installation on North Service Road from Brant Street to Kerns Road (BUR)	2,232		326		1,906						
PR-3311	7899	150mm WM on Autumn Hill Cres. from Snowhill Ct. to Driftwood Dr. 150mm WM on Driftwood Dr. from Autumn Hill Cres. to Hemlock Ct. (BUR)	2,445	357		2,088							
PR-3312	7900	300mm WM on Grahams Lane from Brant St to Easement (BUR)	1,369	200		1,169							

Note: Schedule may not add due to rounding.



CAPITAL BUDGET

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BUDGET & BUSINESS PLAN

NON-DEVELOPMENT													
2020-2029 WATER FORECAST PROJECT FORECAST LISTING 2020 (000 DOLLARS)													
PR NO	UNIQ ID	PROJECT DESCRIPTION	GROSS COST	GROSS EXPENDITURE BY YEAR									
				2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
PR-3271	7103	300mm WM on Third Line from McDonald Blvd to Acton Reservoir (HHACT) (RR)	5,913		5,913								
PR-3213	7660	Prospect Park Water Purification Plant Fairy Lake Dam Rehabilitation (HHACT)	345	345									
	7703	Vertical Water - Water Purification Plants - Prospect Park (HHACT)	1,697				237	359	293	259	189	117	243
	7709	Vertical Water - Water Purification Plants - Fourth Line (HHACT)	655				63	70	61	87	74	206	94
	7711	Vertical Water - Water Purification Plants - Davidson (HHACT)	773				53	81	71	104	88	265	111
	7905	150mm WM on Reid Crt from Rexway Dr to End (HHACT) (WWM)	541	120		421							
	6001	150mm WM on Marilyn Cr. from Torino Gt. to Torino Gt (HHGEO) (WWM)	1,764		314		1,450						
	6070	200mm WM on Pennington Cr. from Mountainview Rd. to End (HHGEO)	1,943	330		1,613							
	6092	200mm WM on Delrex Blvd. from Mountainview Rd. to Chelvin Dr. (HHGEO)	4,897	761		4,136							
PR-3212	6316	200mm WM on Prince Charles Dr. from Windsor Road to Delrex Blvd (HHGEO) (WWM)	2,242	2,242									
PR-3147	7411	Watermain on 10th Side Road from 10th Line to Winston Churchill Blvd (HHGEO)	1,581		1,581								
PR-2657B	7482	150mm WM on Easement from Highway 7 to South of 22 Side Road (HHGEO)	412		412								
	7620	150mm WM on Ontario Street from Ewing Street to 100m North (HHGEO) (WWM)	315	50		265							

Note: Schedule may not add due to rounding.



CAPITAL BUDGET

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BUDGET & BUSINESS PLAN

NON-DEVELOPMENT													
2020-2029 WATER FORECAST													
PROJECT FORECAST LISTING 2020 (000 DOLLARS)													
PR NO	UNIQ ID	PROJECT DESCRIPTION	GROSS COST	GROSS EXPENDITURE BY YEAR									
				2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
PR-2907	7704	Vertical Water - Water Purification Plants - Princess Anne (HHGEO)	3,399				50	127	122	429	394	1,791	486
	7706	Vertical Water - Water Purification Plants - North WPP Georgetown (HHGEO)	3,780				394	504	413	372	451	1,106	540
	7707	Vertical Water - Water Purification Plants - Lindsay Court (HHGEO)	2,263				352	326	311	334	307	309	324
	6199	300mm WM on McGeachie Drive from Harrop Drive to End (MIL) (RR) (WWM)	1,248	1,248									
	6250	300mm WM on Harrop Dr. from Steeles Avenue to Highway 401 (MIL)	1,343	1,343									
PR-3152	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		498		1,992						
	7123	Zone 5 Elevated Storage Tank Structural Upgrades (MIL)	617			617							
	7262	300mm WM on Ontario Street South from Parkway Drive East to Laurier Avenue (MIL) (DEV)	1,352	1,352									
PR-3158	7480	400mm WM on Bronte Street from 500m north of Main Street to Steeles Avenue (MIL) (RR)	4,970	4,970									
PR-3226	7606	Kelso WPP-Resurfacing of entrance road from Tremaine to treatment plant (MIL)	300				300						
	7702	Vertical Water - Water Purification Plants - Walkers Line (MIL)	2,581				467	563	453	395	280	54	369
	7708	Vertical Water - Water Purification Plants - Kelso (MIL)	3,002				175	218	180	164	124	1,712	429
	7712	Vertical Water - Water Purification Plants - Campbellville (MIL)	313				33	37	34	36	32	96	45

Note: Schedule may not add due to rounding.



CAPITAL BUDGET

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BUDGET & BUSINESS PLAN

NON-DEVELOPMENT 2020-2029 WATER FORECAST PROJECT FORECAST LISTING 2020 (000 DOLLARS)													
PR NO	UNIQ ID	PROJECT DESCRIPTION	GROSS COST	GROSS EXPENDITURE BY YEAR									
				2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
PR-3315	7873	200mm WM on Maple Ave from West of Thompson Rd North to Woodward Ave (MIL) (RR)	1,595	233		1,362							
PR-3314	5556	150mm WM on West St from Riverview St. to Victoria St. , and 150mm WM on Victoria St. from West St. to Mississaga St. (OAK)	928	182		746							
PR-3108	6042	Burloak WPP - Replacement of Membranes (OAK)	4,500	4,500									
	6126	200mm WM on Donessle Drive from Esselmont Avenue to End 200mm WM on Esselmont Avenue from Donessle Drive to Chartwell Road (OAK)	801		164		637						
PR-2838	6172	400mm WM on North Service Road from Invicta Drive to 200 m Westerly (OAK) (RR)	550		550								
	6269	150mm WM on Devon Rd. from Donnybrook Rd. to Brookmille Rd. (OAK)	898		178		720						
PR-2838	6282	400mm WM on North Service Rd. from 350 m East of Iroquois Shore Rd. to 200 m West of Invicta Dr. (OAK) (RR)	1,975		1,975								
PR-3209	6301	150mm WM on Selgrove Cr. from Woodhaven Park Dr. to Woodhaven Park Dr. (OAK) (WWM)	745	745									
PR-3314	6336	150mm WM on Stanfield Dr. from Bridge Rd. to Rebecca St. 150mm WM on Southland Crescent from Stanfield Drive to Stanfield Drive (OAK)	2,816	367		2,449							
	7024	300mm WM on Lakeshore Road West from Solingate Dr to 80 m East of East St (OAK) (RR)	910		180		730						
PR-2838	7032	400mm WM on Invicta Drive from North Service Road East to 1140 North Service Rd (OAK) (RR)	870		870								
	7041	150mm WM on Lees Lane from Summerlea St to Pine Grove Rd (OAK) (WWM)	2,290		381		1,909						

Note: Schedule may not add due to rounding.



CAPITAL BUDGET

WATER-CAPITAL

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BUDGET & BUSINESS PLAN

NON-DEVELOPMENT													
2020-2029 WATER FORECAST													
PROJECT FORECAST LISTING 2020 (000 DOLLARS)													
PR NO	UNIQ ID	PROJECT DESCRIPTION	GROSS COST	GROSS EXPENDITURE BY YEAR									
				2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
PR-3190	7075	200m, 300mm WM from Oakville W.P.P., both branches from Plant to Wilson Street (OAK)	155		23		132						
	7107	150mm WM on Howard Ave from Carson Lane to Esplanade Drive (OAK) (WWM)	543		143		400						
	7298	Eighth Line Zone 3 Booster Station and Yard Piping Renewal (OAK)	2,501	417		2,084							
	7400	SCADA controlled, Actuated Valve and Chamber on 600mm WM on Rebecca Street west of Bronte Road (OAK)	300	300									
	7412	Replacement of piping and addition of flow paced re-chlorination and meter at Moore Reservoir (OAK)	288			51		237					
	7456	Burloak WPP - Replace Zebra Mussel Chlorination and Sampling Lines (Intake) (OAK)	3,087		300	2,787							
	7623	Capital Needs Assessment for Booster Stations and Reservoirs located in Oakville (OAK)	350								350		
PR-3210	7626	Eight Line Zone 4 Booster Station, Reservoir & Rechlorination Facility Renewal (OAK)	3,236		647		2,589						
	7627	500mm WM on Rebecca Street from Forsythe Street to west bridge abutment (OAK)	732		732								
PR-3314	7636	Davis Road Booster Station Renewal (OAK)	10,438	300			10,138						
	7695	150mm WM on Secord Avenue from Sherin Drive to Sandhurst Drive (OAK)	754	100		654							
	7698	150mm WM on Bomorda Drive from Leighland Ave. to Germorda Dr. (OAK)	512			512							
	7699	150mm WM on Churchill Ave from Leighland Ave to North Service (OAK)	493			493							

Note: Schedule may not add due to rounding.



CAPITAL BUDGET

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BUDGET & BUSINESS PLAN

NON-DEVELOPMENT 2020-2029 WATER FORECAST PROJECT FORECAST LISTING 2020 (000 DOLLARS)													
PR NO	UNIQ ID	PROJECT DESCRIPTION	GROSS COST	GROSS EXPENDITURE BY YEAR									
				2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
PR-3314	7705	Vertical Water - Water Purification Plants - Oakville WPP (OAK)	8,521							77	1,995	6,449	
	7713	Vertical Water - Water Purification Plants - Burloak WPP (OAK)	8,400								1,051	7,349	
	7737	150mm WM on Water Street from William Street to Robinson Street 150mm WM on Robinson Street from Water Street to Navy Street 150mm WM on William Street from Water Street to Navy Street (OAK)	1,017	195		822							
	7807	Oakville WPP - Low Lift and Filter Structural Rehabilitation (OAK)	480		480								
PR-3282	7816	Oakville WPP - Electrical Replacement (OAK)	2,976		2,976								
PR-3282	7819	Burloak WPP - Membrane Filtration Upgrade (Valve) (OAK)	550	550									
	7893	Burloak WPP - Landscaping Phase 2 (OAK)	200	200									
	7920	300mm WM on Speers Road from Fourth Line to Morden Road (OAK)	1,985		1,985								
	5244	Corrosion Protection Program (REG)	7,000			1,000	1,000	1,000	1,000	1,000	1,000	1,000	
PR-1907	6889	Vehicle Replacements (Existing)- Water (REG)	8,429	649	903	862	807	1,048	508	1,191	517	711	1,233
	7043	Water Distribution Pump Curve and Condition Base Line (REG)	90	90									
	7286	Region wide Air Release Valve Chamber Venting retrofits Program for mains 400mm and larger (REG)	1,851		617	617	617						
	7425	Capital Needs Assessment of Elevated Storage Facilities (REG)	250								250		

Note: Schedule may not add due to rounding.



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BUDGET & BUSINESS PLAN

NON-DEVELOPMENT 2020-2029 WATER FORECAST PROJECT FORECAST LISTING 2020 (000 DOLLARS)													
PR NO	UNIQ ID	PROJECT DESCRIPTION	GROSS COST	GROSS EXPENDITURE BY YEAR									
				2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
PR-3184E	7463	Capital Needs Assessment for Booster Stations and Reservoirs located in Burlington (REG)	250				250						
	7464	Capital Needs Assessments for Booster Stations and Reservoirs located in Milton and Halton Hills (REG)	250				250						
	7582	Large Meter Replacement Regular (REG)	1,819	173	178	179	181	182	183	185	186	186	186
PR-3248	7630	Shut-Off Valve Replacement Program (REG)	360		360								
	7635	Water System Pressure & Flow Monitoring Program (REG)	600	100	100	100	100	100	100				
PR-3184H	7658	Small Water Meter Replacement (<=25mm) (REG)	5,866	557	568	579	591	602	615	627	569	569	589
PR-3184G	7659	Intermediate Water Meter Replacement (40 & 50mm) (REG)	1,559	133	138	141	144	155	161	167	174	174	172
PR-3249	7664	Water Maintenance Capital (System Services) (REG)	4,500	500	500	500	500	500	500	500	500	500	
	7701	Vertical Water Life Cycle Model - Wells (REG)	218				10	34	32	35	32	40	35
	7715	Watermain Renewals - 150 mm Cast Iron Cohort (REG)	83,356				3,067	9,697	9,348	9,020	8,711	10,131	33,382
	7726	Other Public Works Assets - Water (REG)	2,324				332	332	332	332	332	332	332
	7727	Vertical Water - Tower (REG)	857					102	110	109	96	297	143
	7728	Vertical Water - Reservoirs (REG)	9,810				1,251	1,637	1,352	1,263	1,052	1,828	1,427
	7729	Vertical Water - Pump Stations (REG)	15,089				2,840	2,401	2,228	2,250	1,872	1,456	2,042
	7730	Vertical Water - Bulk Water Stations (REG)	108				33	27	21	16	11		

Note: Schedule may not add due to rounding.



CAPITAL BUDGET

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BUDGET & BUSINESS PLAN

NON-DEVELOPMENT													
2020-2029 WATER FORECAST													
PROJECT FORECAST LISTING 2020 (000 DOLLARS)													
PR NO	UNIQ ID	PROJECT DESCRIPTION	GROSS COST	GROSS EXPENDITURE BY YEAR									
				2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
PR-3079B	7785	Asset Management Roadmap Implementation - SP4 (REG)	470	200	120	150							
PR-3289	7789	Development and Implementation of a detailed AMI Plan (REG)	2,043	2,043									
PR-3276	7797	SCADA Master Plan Implementation - Water (REG)	17,952	200	854	1,085	4,572	2,292	4,339	3,697	393	215	305
PR-3249B	7862	Brant Street structural interior and exterior repairs (REG)	835	835									
	7875	Monitoring Well Replacement Program (REG)	100	15	5	15	5	15	5	15	5	15	5
	7883	Ozone Generator - Condition Appraisal and Mid-Life Refurbishments (OWPP, BWPP, BOWPP) (REG)	500	500									
	7891	Water - New Maintenance Facility (REG)	2,500	325		2,175							
PR-2173B	7895	North Water Well Rehabilitation (REG)	144	144									
	7896	North Water Well Rehabilitation - 2021 (REG)	3,581		1,181			872		1,324			204
	7913	Plant Capital Maintenance Equipment - Water (REG)	5			5							
	7914	System Operations Equipment - Water (REG)	80	47	33								
	7915	Regional Lab Equipment - Water (REG)	89	27	29	33							
	7916	System Services Equipment - Water (REG)	81	41	30	10							
	7921	Water Treatment Maintenance Capital - 2020 (REG)	8,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000		
	7926	AMI Deployment & Meter Replacement (REG)	47,557	47,557									

Note: Schedule may not add due to rounding.



WATER-CAPITAL

2020

BUDGET & BUSINESS PLAN

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Note: Schedule may not add due to rounding.

Halton Region

Budget and Business Plan 2020

Water Development

CAPITAL BUDGET

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WATER-CAPITAL

BUDGET & BUSINESS PLAN

DEVELOPMENT										
2020 WATER SYSTEM PROJECT LISTING 2020 (000 DOLLARS)										
PROJECT NUMBER	UNIQUE ID	PROJECT DESCRIPTION	GROSS COST	SUB'Y/ RECOV	REGIONAL RESPONSIBILITY					
					DEVEL. CHGS.		GEN RESERV	CAP INVT RESERV	DEBENTURES	
					NON-RES	RES			GROWTH	REGIONAL
<u>Growth</u>										
	6704	200mm WM on Brock Ave from Elgin Street to Lakeshore Rd (BUR)	91			69		22		
	6705	200mm WM on Regina Drive from Maple Avenue to Ecole Renaissance Schoolyard (BUR)	75			57		18		
	6714	300mm WM on Brant from Fairview St to 180 m northerly (BUR)	81			62		19		
	6715	300mm WM on Woodview Rd from Fairview St to 100 m Northerly (BUR)	46			35		11		
	6716	200mm WM from end of Commerce Crt north to Fairview St (BUR)	74			56		18		
	6717	300mm WM on Fairview St from Appleby Line to Taylor Crescent (BUR)	200			152		48		
	6603	400mm WM on 8th Line from 10th Siderd to existing 400mm (Zone G6L) (HHGEO)	1,963			1,453		510		
	6608	750mm WM on Trafalgar from 15th Siderd to 22nd Siderd Lake Based Reservoir (Zone G6L) (HHGEO)	13,806			10,216		3,590		
	6609	400mm WM on 17th Siderd from Trafalgar Rd to Main St (Zone G6L) (HHGEO)	2,116			1,566		550		
	6654	750mm WM on Trafalgar Rd from 10th Side Rd to approximately 1,700 m north of 10th Side Rd (Zone G6L) (HHGEO)	4,583			3,391		1,192		
	6655	750mm WM on Trafalgar from 1,700 m north of 10th Siderd to 15th Siderd (Zone G6L) (HHGEO)	4,108			3,040		1,068		
	6735	300 mm replacement on Guelph St between Mountainview Rd North and Sinclair Ave (HHGEO)	1,564			1,189		375		

Note: Schedule may not add due to rounding.



CAPITAL BUDGET

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DEVELOPMENT										
2020 WATER SYSTEM PROJECT LISTING 2020 (000 DOLLARS)										
PROJECT NUMBER	UNIQUE ID	PROJECT DESCRIPTION	GROSS COST	SUB'Y/ RECOV	REGIONAL RESPONSIBILITY					
					DEVEL. CHGS.		GEN RESERV	CAP INVT RESERV	DEBENTURES	
					NON-RES	RES			GROWTH	REGIONAL
PR-2668	6632	400mm WM on Britannia Rd from Trafalgar Rd to 600 m east (Zone M4) (MIL)	857			634		223		
PR-2668	6633	400mm WM on Britannia Rd from 600 m east of Trafalgar Rd to 8th Line (Zone M4) (MIL)	934			691		243		
	7498	Lake Based Servicing transfer of Derry Rd/R.R. 25 area (MIL)	56			41		15		
	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)	3,158			2,280	158	720		
PR-3254	7513	4th Line Pumping Station alterations to support Zone 3/4/5 Boundary Re-alignment (MIL)	1,507			1,074	75	358		
PR-3067	6443	400mm WM on Burnhamthorpe Rd from Trafalgar Rd to new North Oakville road (Zone O4) (Construction) (OAK)	2,547			1,885		662		
PR-3067	6444	400mm WM from Burnhamthorpe Rd to Dundas St on new North Oakville road (Zone O4) (Construction) (OAK)	3,461			2,561		900		
PR-3303	6662	600mm WM on Wyecroft Rd from Burloak Dr to the 900mm WM on the SE corner of the 3rd Line and QEW (OAK)	6,703			4,960		1,743		
	6726	300mm WM on Sovereign St between Bronte Rd and East St (OAK)	1,678			1,275		403		
	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)	120			87	6	27		
PR-3253	7509	Neyagawa Pumping Station alterations to support Zone 3/4/5 Boundary Re-alignment (100 MLD) (OAK)	5,973			4,256	299	1,418		
	7514	8th Line Zone 4 Pumping Station alterations to support Zone 3/4/5 Boundary Re-alignment (OAK)	3,600			2,565	180	855		

Note: Schedule may not add due to rounding.



CAPITAL BUDGET

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BUDGET & BUSINESS PLAN

DEVELOPMENT										
2020 WATER SYSTEM PROJECT LISTING 2020 (000 DOLLARS)										
PROJECT NUMBER	UNIQUE ID	PROJECT DESCRIPTION	GROSS COST	SUB'Y/ RECOV	REGIONAL RESPONSIBILITY					
					DEVEL. CHGS.		GEN RESERV	CAP INVT RESERV	DEBENTURES	
					NON-RES	RES			GROWTH	REGIONAL
	7935	400mm WM from Third Line under William Halton Parkway easterly (OAK)	2,100			1,554		546		
PR-3258	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		
	7515	System PRV implementation to support Zone 3/4/5 Boundary Re-alignment (REG)	6,400			4,560	320	1,520		
		Sub-total	68,311			50,093	1,038	17,180		
		Total	68,311			50,093	1,038	17,180		
		<u>Summary</u>								
		Growth	68,311			50,093	1,038	17,180		
		Grand Total	68,311			50,093	1,038	17,180		

Note: Schedule may not add due to rounding.



CAPITAL BUDGET

WATER-CAPITAL

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BUDGET & BUSINESS PLAN

DEVELOPMENT													
2020-2029 WATER FORECAST PROJECT FORECAST LISTING 2020 (000 DOLLARS)													
PR NO	UNIQ ID	PROJECT DESCRIPTION	GROSS COST	GROSS EXPENDITURE BY YEAR									
				2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Growth													
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				
	6710	300mm WM on Plains Rd East (Twinning adjacent to 6709) (BUR)	134									134	
	6711	300mm WM on Birchwood Avenue from Plains Rd East southwards towards Fairwood Place East (BUR)	111							22		89	
	6712	300mm WM on Gallagher Rd from Plains Rd East to 160 m Northerly (BUR)	256							51		205	
	6713	300mm WM on Downsview Rd from Plains Rd East to Dowland Crescent (BUR)	238							48		190	
	6714	300mm WM on Brant from Fairview St to 180 m northerly (BUR)	405	81		324							

Note: Schedule may not add due to rounding.



CAPITAL BUDGET

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DEVELOPMENT													
2020-2029 WATER FORECAST PROJECT FORECAST LISTING 2020 (000 DOLLARS)													
PR NO	UNIQ ID	PROJECT DESCRIPTION	GROSS COST	GROSS EXPENDITURE BY YEAR									
				2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
	6715	300mm WM on Woodview Rd from Fairview St to 100 m Northerly (BUR)	231	46		185							
	6716	200mm WM 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) (HHACT) from (HHACT)	1,430				286		1,144				
	6600	300 mm WM on No. 32 Siderd from RR 25 to 3rd Line Reservoir (Zone A9G) (HHACT) (HHACT)	1,333				267		1,066				
	6603	400mm WM on 8th Line from 10th Siderd to existing 400mm (Zone G6L) (HHGEO)	1,963	1,963									
	6608	750mm WM on Trafalgar from 15th Siderd to 22nd Siderd Lake Based Reservoir (Zone G6L) (HHGEO)	13,806	13,806									
	6609	400mm WM on 17th Siderd from Trafalgar Rd to Main St (Zone G6L) (HHGEO)	2,116	2,116									
	6613	600mm WM on No 10 Siderd from 10th Line to Adamson St S (Zone G6L) (HHGEO)	1,606								321		1,285
	6614	600 mm WM on Adamson St from 10th Siderd to Guelph St (Zone G6L) (HHGEO) (HHGEO)	2,661								532		2,129

Note: Schedule may not add due to rounding.



CAPITAL BUDGET

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DEVELOPMENT													
2020-2029 WATER FORECAST PROJECT FORECAST LISTING 2020 (000 DOLLARS)													
PR NO	UNIQ ID	PROJECT DESCRIPTION	GROSS COST	GROSS EXPENDITURE BY YEAR									
				2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
	6615	600mm WM on Guelph St from Adamson St to Bovaird Dr (Region of Peel) (Zone G6L) (HHGEO)	1,971								394		1,577
	6654	750mm WM on Trafalgar Rd from 10th Side Rd to approximately 1,700 m north of 10th Side Rd (Zone G6L) (HHGEO)	4,583	4,583									
	6655	750mm WM on Trafalgar from 1,700 m north of 10th Siderd to 15th Siderd (Zone G6L) (HHGEO)	4,108	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			
	6733	300 mm Replacement on Cross St from Guelph St to Main St (HHGEO)	43									43	
	6735	300 mm replacement on Guelph St between Mountainview Rd North and Sinclair Ave (HHGEO)	1,564	1,564									
	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)	1,931								386		1,545

Note: Schedule may not add due to rounding.



CAPITAL BUDGET

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DEVELOPMENT													
2020-2029 WATER FORECAST PROJECT FORECAST LISTING 2020 (000 DOLLARS)													
PR NO	UNIQ ID	PROJECT DESCRIPTION	GROSS COST	GROSS EXPENDITURE BY YEAR									
				2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
	6646	400mm WM in the 401 growth corridor from Steeles Ave to approximately 330 m north (Zone 250) (HHS)	1,110								222		888
	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)	2,136								427		1,709
	6648	400mm WM in the 401 growth corridor from Steeles Ave to 340 m north (Zone 250) (HHS)	1,512								302		1,210
	6616	400mm WM on Thompson Rd South from Britannia Rd to approx. 1,211 south (Zone M4) (MIL)	1,746					349		1,397			
	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			

Note: Schedule may not add due to rounding.



CAPITAL BUDGET

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BUDGET & BUSINESS PLAN

DEVELOPMENT													
2020-2029 WATER FORECAST PROJECT FORECAST LISTING 2020 (000 DOLLARS)													
PR NO	UNIQ ID	PROJECT DESCRIPTION	GROSS COST	GROSS EXPENDITURE BY YEAR									
				2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
PR-2668	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			
	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)	857	857									
	6633	400mm WM on Britannia Rd from 600 m east of Trafalgar Rd to 8th Line (Zone M4) (MIL)	934	934									
	6634	400mm WM on new Milton Rd from Trafalgar Rd to approximately 700 m east (Zone M4) (MIL)	1,571					314		1,257			
PR-2668	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			

Note: Schedule may not add due to rounding.



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DEVELOPMENT													
2020-2029 WATER FORECAST PROJECT FORECAST LISTING 2020 (000 DOLLARS)													
PR NO	UNIQ ID	PROJECT DESCRIPTION	GROSS COST	GROSS EXPENDITURE BY YEAR									
				2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
	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			
	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		
	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)	575							115		460	
	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)	3,158	3,158									

Note: Schedule may not add due to rounding.



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BUDGET & BUSINESS PLAN

DEVELOPMENT													
2020-2029 WATER FORECAST PROJECT FORECAST LISTING 2020 (000 DOLLARS)													
PR NO	UNIQ ID	PROJECT DESCRIPTION	GROSS COST	GROSS EXPENDITURE BY YEAR									
				2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
PR-3254	7513	4th Line Pumping Station alterations to support Zone 3/4/5 Boundary Re-alignment (MIL)	1,507	1,507									
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					
PR-2581B	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									
PR-3303	6662	600mm WM on Wycroft Rd from Burloak Dr to the 900mm WM on the SE corner of the 3rd Line and QEW (OAK)	14,665	6,703				1,592		6,370			
	6701	Kitchen Zone O3 Pumping Station expansion by 80 ML/d (OAK)	12,830							2,566		10,264	
	6702	40 ML/d Expansion at the Neyagawa Pumping Station (OAK)	7,200					1,440		5,760			
	6726	300mm WM on Sovereign St between Bronte Rd and East St (OAK)	1,678	1,678									

Note: Schedule may not add due to rounding.



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DEVELOPMENT													
2020-2029 WATER FORECAST PROJECT FORECAST LISTING 2020 (000 DOLLARS)													
PR NO	UNIQ ID	PROJECT DESCRIPTION	GROSS COST	GROSS EXPENDITURE BY YEAR									
				2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
PR-3253	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		
	7496	Decommissioning of Burnhamthorpe Water Tower. (OAK)	1,000				200		800				
	7501	400mm WM on new North Oakville Rd west of Neyagawa Blvd. (OAK)	2,400		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)	120	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)	5,973	5,973									
	7514	8th Line Zone 4 Pumping Station alterations to support Zone 3/4/5 Boundary Re-alignment (OAK)	3,600	3,600									
PR-2502C	7935	400mm WM from Third Line under William Halton Parkway easterly (OAK)	2,100	2,100									
PR-2502C	6685	Bulk Water Stations on Existing Sites (REG)	1,598		1,598								
PR-3258	7502	Halton Water Master Plan (REG)	1,950	350			800					800	
PR-2676C	7510	Water Distribution System Analysis (REG)	1,100	110	110	110	110	110	110	110	110	110	110

Note: Schedule may not add due to rounding.



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Note: Schedule may not add due to rounding.

Halton Region

Budget and Business Plan 2020

Wastewater Non-Development

CAPITAL BUDGET

2020

WASTEWATER-CAPITAL

BUDGET & BUSINESS PLAN

NON-DEVELOPMENT		2020 WASTEWATER SYSTEM PROJECT LISTING 2020 (000 DOLLARS)								
PROJECT NUMBER	UNIQUE ID	PROJECT DESCRIPTION	GROSS COST	SUB'Y/ RECOV	REGIONAL RESPONSIBILITY					
					DEVEL. CHGS.		GEN RESERV	CAP INVT RESERV	DEBENTURES	
					NON-RES	RES			GROWTH	REGIONAL
<u>Efficiency and Optimization</u>										
	7886	Biogas Utilization Program (REG)	250				250			
	7887	Energy Generation Facility from Source Separated Organics (SSO) (REG)	500				500			
	7890	Public Works Green Energy Program (REG)	100				100			
	7897	Wastewater - Treatment Plant Optimization Studies (REG)	200				200			
		Sub-total	1,050				1,050			
<u>Enhanced Levels of Service</u>										
	7884	BMC Dewatering System Upgrade (OAK)	350				350			
	7930	300mm WWM on Ninth Line from Upper Middle Road to 950m north of Upper Middle Road (south of Hydro Corridor) (OAK)	2,300				2,300			
	7008	Vehicle - New - Wastewater (REG)	220				220			
		Sub-total	2,870				2,870			
<u>Maintain Current Levels of Service</u>										
	7434	Capital Needs Assessment of Wastewater Pumping Stations within the Skyway Drainage Area (West) (BUR)	300				300			
PR-3176	7439	Burlington Skyway WWTP - Dewatering System Upgrade (BUR)	1,100				1,100			

Note: Schedule may not add due to rounding.



CAPITAL BUDGET

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WASTEWATER-CAPITAL

BUDGET & BUSINESS PLAN

NON-DEVELOPMENT 2020 WASTEWATER SYSTEM PROJECT LISTING 2020 (000 DOLLARS)										
PROJECT NUMBER	UNIQUE ID	PROJECT DESCRIPTION	GROSS COST	SUB'Y/ RECOV	REGIONAL RESPONSIBILITY					
					DEVEL. CHGS.		GEN RESERV	CAP INVT RESERV	DEBENTURES	
					NON-RES	RES			GROWTH	REGIONAL
PR-3245	7612	Bromley (No.6) Wastewater Pumping Station Renewal (BUR)	605				605			
PR-3244	7613	Paletta Gardens (No. 10) Wastewater Pumping Station Renewal (BUR)	533				533			
	7687	200mm,300mm WWM on Glenwood School Drive from Brenda Crescent to Queensway Drive (BUR) (RR)	348				348			
PR-3278	7802	Skyway WWTP - Primary Clarifiers -Travelling Bridge Rehabilitation (BUR)	300				300			
PR-3269	7826	200mm WWM on Ayr Place from Lomond Crescent to End (BUR) (RR) (WM)	307				307			
PR-3307	7869	New 200mm WWM from Bonnie Court to the 900mm trunk on Glendor Ave (BUR)	960				960			
PR-3312	7901	250mm WWM on Grahams Lane from Brant St to Easement (BUR)	113				113			
PR-3313	7902	200mm WWM on Wicklow Road from Limerick Road to SMH11125 and on Belfast Ave from Wicklow Road to Tipperary Ave (BUR) (RR) (WM)	408				408			
PR-3313	7903	250mm WWM on Turner Dr from Bennett Road to Longmoor Dr (BUR) (WM)	279				279			
	7882	Acton WWTP - Secondary Digester Rehabilitation (HHACT)	500				500			
	7274	200mm WWM on Todd Road from south of Sinclair Avenue to Mountainview Road North (HHGEO) (RR)	355				355			
	7391	200mm WWM on McIntyre Crescent from Rexway Drive to Rexway Drive and abandon easement (HHGEO)	399				399			
	7437	Capital Needs Assessments for Wastewater Pumping Stations in Acton and Georgetown Drainage Areas (HHS)	250				250			

Note: Schedule may not add due to rounding.

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NON-DEVELOPMENT 2020 WASTEWATER SYSTEM PROJECT LISTING 2020 (000 DOLLARS)										
PROJECT NUMBER	UNIQUE ID	PROJECT DESCRIPTION	GROSS COST	SUB'Y/ RECOV	REGIONAL RESPONSIBILITY					
					DEVEL. CHGS.		GEN RESERV	CAP INVT RESERV	DEBENTURES	
					NON-RES	RES			GROWTH	REGIONAL
	7473	250mm WWM on Temple Road from Ewing Street to End (HHGEO)	136				136			
	7617	200mm WWM on Gower Road from Duncan Drive to Raylawn Crescent, 200mm WWM on Gower Court from Duncan Drive to End (HHGEO)	162				162			
PR-3212	7621	200mm,300mm WWM on Prince Charles Drive from Rexway Drive to Delrex Boulevard (HHGEO) (WM)	2,115				2,115			
	7696	200mm WWM on Ontario Street from west of Riverview Crescent to south of Ewing Street and lateral transfer from easement (HHGEO)	136				136			
	7745	200mm WWM on Reid Court from Rexway Drive to End (HHGEO) (WM)	50				50			
PR-2987C	7839	John Street Pumping Station Upgrades and Rehabilitation - Design & Construction (HHGEO)	925				925			
PR-2907	7184	250mm WWM on McGeachie Drive from Harrop Drive to End (MIL) (RR)(WM)	1,284				1,284			
PR-3152	7205	200mm WWM on Woodward Avenue from Riverplace Crescent to Elm Avenue (MIL) (RR)	1,865				1,865			
	7436	Capital Needs Assessments for Wastewater Pumping Stations within the Mid-Halton Drainage Area (MIL)	250				250			
	7560	Milton WWTP Plant Decommissioning (MIL)	500				500			
PR-3209	7280	250mm WWM on Selgrove Crescent from Woodhaven Park Drive to Woodhaven Park Drive (OAK) (WM)	763				763			
PR-3314	7401	250mm WWM on Secord Avenue from Sherin Drive to Thornhill Drive (OAK) (WM)	155				155			

Note: Schedule may not add due to rounding.

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WASTEWATER-CAPITAL

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NON-DEVELOPMENT 2020 WASTEWATER SYSTEM PROJECT LISTING 2020 (000 DOLLARS)										
PROJECT NUMBER	UNIQUE ID	PROJECT DESCRIPTION	GROSS COST	SUB'Y/ RECOV	REGIONAL RESPONSIBILITY					
					DEVEL. CHGS.		GEN RESERV	CAP INVT RESERV	DEBENTURES	
					NON-RES	RES			GROWTH	REGIONAL
PR-2886	7604	Oakville Southeast WWTP - Boiler unit 1 & Hot water Pumps (OAK)	700				700			
PR-3266	7777	250mm WWM on Bridge Road from Third Line to Sherin Drive (OAK) (RR)	1,174				1,174			
PR-3287	7803	Mid-Halton WWTP - Air Handling Unit and BAS System Replacement (OAK)	360				360			
	7810	Oakville Southeast WWTP - Primary Digester #1 Rehab/Upgrade (OAK)	450				450			
	7812	Oakville Southwest WWTP - Plant 4 -Ras Upgrades (OAK)	150				150			
	7879	Oakville Southeast WWTP - Ninth Line SPS Upgrades (OAK)	475				475			
	7888	Oakville Southwest WWTP - Primary Digester #2 Rehab/Upgrade (OAK)	780				780			
	6886	Vehicle Replacements - (Existing) Wastewater (REG)	857				857			
PR-3250	7665	Wastewater Maintenance Capital (REG)	500				500			
	7734	Capital upgrades to address basement flooding (REG)	6,000				6,000			
PR-2700C	7760	SCADA System Installation at Regional Wastewater Pumping Stations (REG)	1,290				1,290			
PR-3079B	7790	Asset Management Roadmap Implementation - SP4 (REG)	200				200			
PR-3277	7798	SCADA Master Plan Implementation - Wastewater (REG)	1,000				1,000			
	7876	Condition Assessments of WWM (REG)	500				500			
	7892	Wastewater - New Maintenance Facility (REG)	325				325			

Note: Schedule may not add due to rounding.

CAPITAL BUDGET

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WASTEWATER-CAPITAL

BUDGET & BUSINESS PLAN

NON-DEVELOPMENT										
2020 WASTEWATER SYSTEM PROJECT LISTING 2020 (000 DOLLARS)										
PROJECT NUMBER	UNIQUE ID	PROJECT DESCRIPTION	GROSS COST	SUB/Y/ RECOV	REGIONAL RESPONSIBILITY					
					DEVEL. CHGS.		GEN RESERV	CAP INVT RESERV	DEBENTURES	
					NON-RES	RES			GROWTH	REGIONAL
	7894	2020 CNA program - Wastewater Treatment (REG)	150				150			
	7911	System Operations Equipment - Wastewater (REG)	47				47			
	7912	Regional Lab Equipment - Wastewater (REG)	254				254			
	7922	Wastewater Treatment Maintenance Capital - 2020 (REG)	1,500				1,500			
		Sub-total	31,810				31,810			
		Regulation and Environmental Protection								
PR-2948	6975	SPS Equipment Lock-Out Procedures (REG)	175				175			
	7878	TSSA Upgrades - Wastewater Pump Stations (REG)	1,935				1,935			
		Sub-total	2,110				2,110			

Note: Schedule may not add due to rounding.

CAPITAL BUDGET

WASTEWATER-CAPITAL

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BUDGET & BUSINESS PLAN

NON-DEVELOPMENT													
2020-2029 WASTEWATER FORECAST PROJECT FORECAST LISTING 2020 (000 DOLLARS)													
PR NO	UNIQ ID	PROJECT DESCRIPTION	GROSS COST	GROSS EXPENDITURE BY YEAR									
				2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
<u>Efficiency and Optimization</u>													
PR-2700	7889	Georgetown WWTP - Energy Recovery Facility (HHGEO)	3,300				300		3,000				
	7881	Oakville Southwest WWTP - Energy Recovery Facility (OAK)	3,300		300		3,000						
	5929	SCADA System Installation at Regional Wastewater Pumping Stations (REG)	1,030		515	515							
	7886	Biogas Utilization Program (REG)	2,050	250		1,800							
	7887	Energy Generation Facility from Source Separated Organics (SSO) (REG)	500	500									
	7890	Public Works Green Energy Program (REG)	650	100	550								
	7897	Wastewater - Treatment Plant Optimization Studies (REG)	1,000	200		100	100	100	100	100	100	100	100
		Sub-total	11,830	1,050	1,365	2,415	3,400	100	3,100	100	100	100	100
<u>Enhanced Levels of Service</u>													
	7884	BMC Dewatering System Upgrade (OAK)	3,850	350	3,500								
	7930	300mm WWM on Ninth Line from Upper Middle Road to 950m north of Upper Middle Road (south of Hydro Corridor) (OAK)	2,300	2,300									
	7008	Vehicle - New - Wastewater (REG)	440	220							220		
		Sub-total	6,590	2,870	3,500						220		
<u>Maintain Current Levels of Service</u>													
	7393	200mm WWM on John Street from James Street to 50m south (BUR) (RR)	250		84		166						

Note: Schedule may not add due to rounding.



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NON-DEVELOPMENT 2020-2029 WASTEWATER FORECAST PROJECT FORECAST LISTING 2020 (000 DOLLARS)													
PR NO	UNIQ ID	PROJECT DESCRIPTION	GROSS COST	GROSS EXPENDITURE BY YEAR									
				2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
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)	1,970		1,970								
PR-3143	7395	Upgrade Bayshore Wastewater Pumping Station (WWPS) from 9.5 L/s to 14 L/s (BUR)	206		206								
PR-3144	7396	Upgrade of Roseland Creek Wastewater Pumping Station (Piping Improvement) (BUR)	1,050		124		926						
	7434	Capital Needs Assessment of Wastewater Pumping Stations within the Skyway Drainage Area (West) (BUR)	300	300									
PR-3176	7439	Burlington Skyway WWTP - Dewatering System Upgrade (BUR)	8,460	1,100	7,360								
PR-3273	7454	Burlington Skyway WWTP - RAS & Secondary Clarifiers #5 - 8 Upgrades (Phase 2) (BUR)	4,000		4,000								
	7455	Burlington Skyway WWTP - RAS & Secondary Clarifiers #9 - 12 Upgrades (Phase 3) (BUR)	5,450		450		5,000						
	7474	Capital Needs Assessment of Wastewater Pumping Stations within the Skyway Drainage Area (East) (BUR)	250		250								
PR-3225	7601	Burlington Skyway WWTP - Transformer Replacement (BUR)	2,880		2,880								
PR-3245	7612	Bromley (No.6) Wastewater Pumping Station Renewal (BUR)	605	605									
PR-3244	7613	Paletta Gardens (No. 10) Wastewater Pumping Station Renewal (BUR)	533	533									
	7687	200mm,300mm WWM on Glenwood School Drive from Brenda Crescent to Queensway Drive (BUR) (RR)	1,815	348		1,467							

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NON-DEVELOPMENT 2020-2029 WASTEWATER FORECAST PROJECT FORECAST LISTING 2020 (000 DOLLARS)													
PR NO	UNIQ ID	PROJECT DESCRIPTION	GROSS COST	GROSS EXPENDITURE BY YEAR									
				2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
	7690	Upgrade Elizabeth Gardens, Install second forcemain, tunneling deep trunk (BEAST) (Phase 1) (BUR)	70,000				14,000		10,000	16,000			30,000
	7720	Vertical Wastewater - Wastewater Treatment Plants - Burlington WWTP (BUR)	95,221				4,606	11,471	7,352	10,060	23,194	24,921	13,617
PR-3278	7802	Skyway WWTP - Primary Clarifiers -Travelling Bridge Rehabilitation (BUR)	300	300									
PR-3269	7826	200mm WWM on Ayr Place from Lomond Crescent to End (BUR) (RR) (WM)	307	307									
PR-3307	7869	New 200mm WWM from Bonnie Court to the 900mm trunk on Glendor Ave (BUR)	960	960									
PR-3312	7901	250mm WWM on Grahams Lane from Brant St to Easement (BUR)	772	113		659							
PR-3313	7902	200mm WWM on Wicklow Road from Limerick Road to SMH11125 and on Belfast Ave from Wicklow Road to Tipperary Ave (BUR) (RR) (WM)	2,364	408		1,956							
PR-3313	7903	250mm WWM on Turner Dr from Bennett Road to Longmoor Dr (BUR) (WM)	1,754	279		1,475							
	6073	Acton Plant Replacement & Improvements (HHACT)	4,781			1,000		3,781					
	7721	Vertical Wastewater - Wastewater Treatment Plants - Acton WWTP (HHACT)	15,709				2,193	2,246	2,075	2,054	1,940	2,943	2,258
	7882	Acton WWTP - Secondary Digester Rehabilitation (HHACT)	500	500									
PR-3229	6960	Georgetown WWTP - Electrical Upgrades (HHGEO)	2,152		2,152								
PR-3089	7193	Georgetown WWTP Aeration System Upgrades (HHGEO)	1,456		1,456								

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NON-DEVELOPMENT 2020-2029 WASTEWATER FORECAST PROJECT FORECAST LISTING 2020 (000 DOLLARS)													
PR NO	UNIQ ID	PROJECT DESCRIPTION	GROSS COST	GROSS EXPENDITURE BY YEAR									
				2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
PR-3212	7274	200mm WWM on Todd Road from south of Sinclair Avenue to Mountainview Road North (HHGEO) (RR)	2,111	355		1,756							
	7391	200mm WWM on McIntyre Crescent from Rexway Drive to Rexway Drive and abandon easement (HHGEO)	2,414	399		2,015							
	7437	Capital Needs Assessments for Wastewater Pumping Stations in Acton and Georgetown Drainage Areas (HHS)	250	250									
	7473	250mm WWM on Temple Road from Ewing Street to End (HHGEO)	609	136		473							
	7617	200mm WWM on Gower Road from Duncan Drive to Raylawn Crescent, 200mm WWM on Gower Court from Duncan Drive to End (HHGEO)	787	162		625							
	7618	150mm,250mm WWM on Marilyn Crescent (HHGEO) (WM)	1,677		303	1,374							
	7621	200mm,300mm WWM on Prince Charles Drive from Rexway Drive to Delrex Boulevard (HHGEO) (WM)	2,115	2,115									
	7696	200mm WWM on Ontario Street from west of Riverview Crescent to south of Ewing Street and lateral transfer from easement (HHGEO)	610	136		474							
PR-3302	7719	Vertical Wastewater - Wastewater Treatment Plants - Georgetown WWTP (HHGEO)	34,034				4,529	4,343	4,087	4,887	5,354	5,958	4,876
	7745	200mm WWM on Reid Court from Rexway Drive to End (HHGEO) (WM)	168	50		118							
PR-3302	7828	Replacement of Laterals on Faludon Drive (HHGEO)	286				286						
PR-2987C	7839	John Street Pumping Station Upgrades and Rehabilitation - Design & Construction (HHGEO)	8,125	925		7,200							

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NON-DEVELOPMENT 2020-2029 WASTEWATER FORECAST PROJECT FORECAST LISTING 2020 (000 DOLLARS)													
PR NO	UNIQ ID	PROJECT DESCRIPTION	GROSS COST	GROSS EXPENDITURE BY YEAR									
				2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
PR-2907	7184	250mm WWM on McGeachie Drive from Harrop Drive to End (MIL) (RR)(WM)	1,284	1,284									
PR-3152	7205	200mm WWM on Woodward Avenue from Riverplace Crescent to Elm Avenue (MIL) (RR)	1,865	1,865									
	7436	Capital Needs Assessments for Wastewater Pumping Stations within the Mid-Halton Drainage Area (MIL)	250	250									
	7560	Milton WWTP Plant Decommissioning (MIL)	5,162	500	662	4,000							
	7561	New Diversion Forcemain (MIL)	6,000						514		5,486		
PR-3032	7063	BMC Administration Buildings and Servicing Replacement (OAK)	2,000		2,000								
PR-3209	7280	250mm WWM on Selgrove Crescent from Woodhaven Park Drive to Woodhaven Park Drive (OAK) (WM)	763	763									
PR-3314	7401	250mm WWM on Secord Avenue from Sherin Drive to Thornhill Drive (OAK) (WM)	739	155		584							
	7404	200mm WWM on Howard Avenue from Esplanade to Carson Lane (OAK) (WM)	485		139		346						
	7419	200mm WWM on Park Avenue from Carson Lane to Lakeshore Road East (OAK)	555		133		422						
	7420	250mm WWM on Lees Lane from Pine Grove Road to Wingrove Crescent (south-leg) (OAK) (WM)	589		133		456						
PR-3275	7602	Mid-Halton WWTP-Concrete Restoration in Aeration tanks (OAK)	1,291		1,291								
PR-2886	7604	Oakville Southeast WWTP - Boiler unit 1 & Hot water Pumps (OAK)	700	700									

Note: Schedule may not add due to rounding.



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NON-DEVELOPMENT 2020-2029 WASTEWATER FORECAST PROJECT FORECAST LISTING 2020 (000 DOLLARS)													
PR NO	UNIQ ID	PROJECT DESCRIPTION	GROSS COST	GROSS EXPENDITURE BY YEAR									
				2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
PR-3211	7628	Abandoning and Relocating 250mm WWM on Easement from Falgarwood Drive to Invicta Drive (OAK)	1,128		1,128								
	7631	Third Line PS- Replacement of Sewage Lowlift (OAK)	942		366		576						
	7697	300mm WWM on Churchill Avenue from Leighland Avenue to North Service Road East (OAK)	604			604							
	7714	Vertical Wastewater - Biosolids (OAK)	5,116				707	318	1,580	467	474	839	731
	7716	Vertical Wastewater - Wastewater Treatment Plants - Oakville Southwest WWTP (OAK)	50,365				3,245	4,214	3,829	5,060	12,719	14,089	7,209
	7717	Vertical Wastewater - Wastewater Treatment Plants - Oakville Southeast WWTP (OAK)	39,411				5,307	4,972	4,697	5,986	5,612	7,193	5,644
	7733	Vertical Wastewater - Wastewater Treatment Plants - Mid-Halton WWTP (OAK)	57,348				3,848	9,668	6,259	9,328	9,947	10,091	8,207
PR-3266	7777	250mm WWM on Bridge Road from Third Line to Sherin Drive (OAK) (RR)	1,174	1,174									
PR-3287	7803	Mid-Halton WWTP - Air Handling Unit and BAS System Replacement (OAK)	360	360									
PR-3280	7805	Biosolids Management Centre - Culvert Replacement and Road Resurfacing (OAK)	426		426								
	7810	Oakville Southeast WWTP - Primary Digester #1 Rehab/Upgrade (OAK)	450	450									
	7812	Oakville Southwest WWTP - Plant 4 -Ras Upgrades (OAK)	500	150	350								
	7814	Oakville Southeast WWTP - Secondary Digester #4 Rehab/Upgrade (OAK)	1,060		482	578							

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NON-DEVELOPMENT 2020-2029 WASTEWATER FORECAST PROJECT FORECAST LISTING 2020 (000 DOLLARS)													
PR NO	UNIQ ID	PROJECT DESCRIPTION	GROSS COST	GROSS EXPENDITURE BY YEAR									
				2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
PR-2185	7815	Oakville Southwest WWTP - Primary Digester #1 Rehab/Upgrade (OAK)	660			660							
	7829	Boyne Trunk Decommissioning and Downsizing (OAK)	5,354		500		4,854						
	7879	Oakville Southeast WWTP - Ninth Line SPS Upgrades (OAK)	4,750	475		4,275							
	7880	Oakville Southeast WWTP - Secondary Digester #3 Rehab/Upgrade (OAK)	1,060				1,060						
	7888	Oakville Southwest WWTP - Primary Digester #2 Rehab/Upgrade (OAK)	780	780									
PR-2640	4946	SCADA Master Plan Review for Wastewater Treatment Plants and Collection Systems (REG)	100						100				
PR-3250	5307	Wastewater Manhole Capital Improvement Prgm (REG)	4,500		500	500	500	600	600	600	600	600	
	6886	Vehicle Replacements - (Existing) Wastewater (REG)	7,694	857	999	816	976	600	189	935	503	1,623	196
	7665	Wastewater Maintenance Capital (REG)	4,500	500	500	500	500	500	500	500	500	500	
	7722	Vertical Wastewater - Wastewater Pump Stations (REG)	37,905				7,305	7,329	3,953	4,264	4,159	5,795	5,100
	7723	Vertical Wastewater - Storage (REG)	1,186					207	199	209	202	171	198
	7724	Wastewater Force Mains (REG)	2,037				291	291	291	291	291	291	291
	7725	Other Public Works Assets - Wastewater (REG)	2,079				297	297	297	297	297	297	297
	7731	Wastewater Gravity Mains (REG)	60,640				8,477	8,486	8,504	8,529	8,559	9,391	8,694

Note: Schedule may not add due to rounding.



CAPITAL BUDGET

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NON-DEVELOPMENT 2020-2029 WASTEWATER FORECAST PROJECT FORECAST LISTING 2020 (000 DOLLARS)													
PR NO	UNIQ ID	PROJECT DESCRIPTION	GROSS COST	GROSS EXPENDITURE BY YEAR									
				2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
PR-2700C	7734	Capital upgrades to address basement flooding (REG)	35,762	6,000	5,976	6,008	6,001	6,033	5,744				
	7760	SCADA System Installation at Regional Wastewater Pumping Stations (REG)	1,290	1,290									
PR-3079B	7790	Asset Management Roadmap Implementation - SP4 (REG)	470	200	120	150							
PR-3277	7798	SCADA Master Plan Implementation - Wastewater (REG)	20,000	1,000	2,579	2,298	7,930	3,034	1,310	936	393	215	305
	7876	Condition Assessments of WWM (REG)	500	500									
	7892	Wastewater - New Maintenance Facility (REG)	2,500	325		2,175							
	7894	2020 CNA program - Wastewater Treatment (REG)	150	150									
	7910	Plant Capital Maintenance Equipment - Wastewater (REG)	5			5							
	7911	System Operations Equipment - Wastewater (REG)	80	47	33								
	7912	Regional Lab Equipment - Wastewater (REG)	444	254	23	167							
	7922	Wastewater Treatment Maintenance Capital - 2020 (REG)	12,000	1,500	1,500	1,500	1,500	1,500	1,500	1,500	1,500		
		Sub-total	664,244	31,810	41,075	44,038	87,678	69,890	63,580	71,903	81,730	84,917	87,623
Regulation and Environmental Protection													
PR-2948	6975	SPS Equipment Lock-Out Procedures (REG)	630	175	175	175	105						
	7878	TSSA Upgrades - Wastewater Pump Stations (REG)	1,935	1,935									
		Sub-total	2,565	2,110	175	175	105						
		Total Required Financing	685,229	37,840	46,115	46,628	91,183	69,990	66,680	72,003	82,050	85,017	87,723

Note: Schedule may not add due to rounding.



CAPITAL BUDGET

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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
2020 Projects				
WWTP	Skyway Wastewater Treatment Plant	104	Burlington	Opencut
	2020 Sub-Total	104		6,000
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

Note: Schedule may not add due to rounding.



CAPITAL BUDGET

2020

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
18	Navy Street	7	Oakville	Opencut
40	Oakland Park	9	Burlington	Opencut
WWTP	Georgetown Wastewater Treatment Plant	3	Georgetown	Full Length Liner
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		120		6,001
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

Note: Schedule may not add due to rounding.



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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
2025 Projects				
55	Third Line	45	Oakville	Spot Repair
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 SouthEast 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

Note: Schedule may not add due to rounding.



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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
77	Bridgeview	7	Burlington	Spot Repair
WWTP	Georgetown Wastewater Treatment Plant	36	Georgetown	Spot Repair
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	1,542		35,762

Note: Schedule may not add due to rounding.



Halton Region

Budget and Business Plan 2020

Wastewater Development

CAPITAL BUDGET

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WASTEWATER-CAPITAL

BUDGET & BUSINESS PLAN

DEVELOPMENT										
2020 WASTEWATER SYSTEM PROJECT LISTING 2020 (000 DOLLARS)										
PROJECT NUMBER	UNIQUE ID	PROJECT DESCRIPTION	GROSS COST	SUB'Y/ RECOV	REGIONAL RESPONSIBILITY					
					DEVEL. CHGS.		GEN RESERV	CAP INVT RESERV	DEBENTURES	
					NON-RES	RES			GROWTH	REGIONAL
<u>Growth</u>										
PR-3257	6511	Twinning of 525 - 600 mm WWM from Elgin St South along Black Creek alignment to Acton WWTP (HHACT)	462			137	282	43		
	7521	Black Creek Monitoring Program (HHACT)	50			37		13		
PR-3255	7526	Agnes St WWPS Strategy. Scoping Study, EA, Design and Construction (HHACT)	1,002			129	832	41		
	6506	750 mm WWM on 9th Line from Argyll Rd to 10th Side Rd - Georgetown South Connection (HHGEO)	7,030			5,202		1,828		
	6586	750 mm WWM on 8th Line from Argyll Rd to 10th Side Rd (HHGEO)	2,649			1,960		689		
	6587	600 mm WWM on 8th Line from Miller Rd to Argyll Rd (HHGEO)	2,256			1,669		587		
	7539	Norval WWPS - Capacity upgrade (HHGEO)	278			211		67		
	7542	Main St WWPS Capacity Upgrade (HHGEO)	260			198		62		
PR-3009	5906	750 mm WWM on new road alignment from Louis St. Laurent to Britannia Rd (MIL)	8,694			6,434		2,260		
PR-2668	6499	300 mm WWM on Britannia Rd from 8th Line to Trafalgar/ Britannia WWPS (MIL)	918			679		239		
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)	1,238			916		322		
	7524	450 mm WWM through developer subdivison from ID 6114 on Thompson Rd westerly (MIL)	639			473		166		

Note: Schedule may not add due to rounding.



CAPITAL BUDGET

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WASTEWATER-CAPITAL

BUDGET & BUSINESS PLAN

DEVELOPMENT										
2020 WASTEWATER SYSTEM PROJECT LISTING 2020 (000 DOLLARS)										
PROJECT NUMBER	UNIQUE ID	PROJECT DESCRIPTION	GROSS COST	SUB'Y/ RECOV	REGIONAL RESPONSIBILITY					
					DEVEL. CHGS.		GEN RESERV	CAP INVT RESERV	DEBENTURES	
					NON-RES	RES			GROWTH	REGIONAL
	7531	525mm WWM on Fourth Line from Britannia Rd to approximately 900 m north (MIL)	3,664			2,711		953		
PR-3021	4994	600 mm WWM on new North Oakville road from Burnhamthorpe Rd to Dundas St (OAK)	6,916			5,118		1,798		
	6527	Twin 600 mm WWM on service road to Marine Drive WWPS from Marine Drive (OAK)	127			97		30		
	6530	300 mm WWM on Kerr St between Forster Park and Rebecca St (OAK)	149			113		36		
	7522	525 mm WWM through developer subdivision from ID 5063 to Burnhamthorpe Rd W (OAK)	1,643			1,216		427		
PR-2079	7523	600 mm WWM on Trafalgar Rd from ID 5062 to Burnhamthorpe Rd E (OAK)	3,014			2,230		784		
	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)	9,259			2,604	5,833	822		
PR-3256	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	50,858			32,585	6,947	11,326		

Note: Schedule may not add due to rounding.



CAPITAL BUDGET

WASTEWATER-CAPITAL

2020

BUDGET & BUSINESS PLAN

DEVELOPMENT													
2020-2029 WASTEWATER FORECAST PROJECT FORECAST LISTING 2020 (000 DOLLARS)													
PR NO	UNIQ ID	PROJECT DESCRIPTION	GROSS COST	GROSS EXPENDITURE BY YEAR									
				2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
Growth													
PR-3134	5907	300 mm WWM North Aldershot Servicing (BUR)	4,563					913		3,650			
	7527	Upsize WWM on Lasalle Park Road from Fairwood Pl to Lasalle WWPS (BUR)	546		546								
	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			
PR-3257	7537	Junction St WWPS - Capacity Upgrade to 150 L/s WWPS - Design and Construction (BUR)	12,277							2,455		9,822	
	6511	Twinning of 525 - 600 mm WWM from Elgin St South along Black Creek alignment to Acton WWTP (HHACT)	2,978	462		2,516							
PR-3255	7521	Black Creek Monitoring Program (HHACT)	350	50	50	50	50	50	50	50			
	7526	Agnes St WWPS Strategy. Scoping Study, EA, Design and Construction (HHACT)	7,039	1,002		6,037							
	6496	Twinned 250mm WWFM from Norval WWPS to new WWPS #6570 at Mountainview Rd (HHGEO)	267										267
	6506	750 mm WWM on 9th Line from Argyll Rd to 10th Side Rd - Georgetown South Connection (HHGEO)	7,030	7,030									
	6586	750 mm WWM on 8th Line from Argyll Rd to 10th Side Rd (HHGEO)	2,649	2,649									
	6587	600 mm WWM on 8th Line from Miller Rd to Argyll Rd (HHGEO)	2,256	2,256									

Note: Schedule may not add due to rounding.



CAPITAL BUDGET

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BUDGET & BUSINESS PLAN

DEVELOPMENT													
2020-2029 WASTEWATER FORECAST PROJECT FORECAST LISTING 2020 (000 DOLLARS)													
PR NO	UNIQ ID	PROJECT DESCRIPTION	GROSS COST	GROSS EXPENDITURE BY YEAR									
				2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
PR-3009	6589	35 L/s WWPS on 10th Side Rd in Norval (HHGEO)	146										146
	7539	Norval WWPS - Capacity upgrade (HHGEO)	278	278									
	7542	Main St WWPS Capacity Upgrade (HHGEO)	260	260									
	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							
	5906	750 mm WWM on new road alignment from Louis St. Laurent to Britannia Rd (MIL)	8,694	8,694									
PR-2668	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)	918	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			

Note: Schedule may not add due to rounding.



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BUDGET & BUSINESS PLAN

DEVELOPMENT													
2020-2029 WASTEWATER FORECAST PROJECT FORECAST LISTING 2020 (000 DOLLARS)													
PR NO	UNIQ ID	PROJECT DESCRIPTION	GROSS COST	GROSS EXPENDITURE BY YEAR									
				2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
PR-3024	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)	445							89		356	
	6517	450 mm WWM on Oak Street between Ontario St South and Fulton St (MIL)	1,115							223		892	
	6552	450mm WWM on new road alignment in Milton Education Village from Louis St Laurent extension to 1115 m south (MIL)	883					177		706			
	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			
	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)	1,238	1,238									

Note: Schedule may not add due to rounding.



CAPITAL BUDGET

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BUDGET & BUSINESS PLAN

DEVELOPMENT													
2020-2029 WASTEWATER FORECAST PROJECT FORECAST LISTING 2020 (000 DOLLARS)													
PR NO	UNIQ ID	PROJECT DESCRIPTION	GROSS COST	GROSS EXPENDITURE BY YEAR									
				2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
PR-3021	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		
	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)	29,762				6,074		23,688				
	6585	Twinned 900 mm WWFM from Lower Base Line to RR 25 (MIL)	62,230				11,430		50,800				
	7524	450 mm WWM through developer subdivision from ID 6114 on Thompson Rd westerly (MIL)	639	639									
	7531	525mm WWM on Fourth Line from Britannia Rd to approximately 900 m north (MIL)	3,664	3,664									
	4994	600 mm WWM on new North Oakville road from Burnhamthorpe Rd to Dundas St (OAK)	6,916	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)	405		405								
	6527	Twin 600 mm WWM on service road to Marine Drive WWPS from Marine Drive (OAK)	127	127									
	6530	300 mm WWM on Kerr St between Forster Park and Rebecca St (OAK)	957	149		808							

Note: Schedule may not add due to rounding.



CAPITAL BUDGET

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BUDGET & BUSINESS PLAN

DEVELOPMENT													
2020-2029 WASTEWATER FORECAST PROJECT FORECAST LISTING 2020 (000 DOLLARS)													
PR NO	UNIQ ID	PROJECT DESCRIPTION	GROSS COST	GROSS EXPENDITURE BY YEAR									
				2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
PR-3135	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)	233							47		186	
	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				
	6588	Mid-Halton WWTP expansion from 125 ML/d to 175 ML/d (OAK)	97,766		17,957		79,809						
PR-2079	7522	525 mm WWM through developer subdivision from ID 5063 to Burnhamthorpe Rd W (OAK)	1,643	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)	22,564							4,513		18,051	
	7541	Walker St WWPS - I/I reduction Program to gain capacity at the station. Scoping Study, Design and Construction (OAK)	2,061				349		1,712				
PR-3256	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)	9,259	9,259									
	7517	Halton Wastewater Master Plan (REG)	2,050	450			800					800	
PR-2678C	7518	Wastewater Collection System Analysis (REG)	1,100	110	110	110	110	110	110	110	110	110	110
PR-2679C	7519	Wastewater Treatment Capacity Annual Monitoring Report (REG)	500	50	50	50	50	50	50	50	50	50	50

Note: Schedule may not add due to rounding.



WASTEWATER-CAPITAL

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Note: Schedule may not add due to rounding.