

CITY OF TORONTO

Gross Expenditures (\$000's)

Attachment 1

BU11.2

Solid Waste Management

Sub-Project No.	Project Name	Ward	Stat.	Cat.	Current and Future Year Cash Flow Commitments									Current and Future Year Cash Flow Commitments Financed By											
					2020	2021	2022	2023	2024	Total 2020-2024	Total 2025-2029	Total 2020-2029	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Debt - Recoverable Debt	Total Financing			
SOL000065 Diversion Systems Bins																									
0 107	2nd Generation Green Bin Replacement	CW	S3	04	150	150	150	150	150	750	150	900	0	0	0	0	900	0	0	0	0	0	0	0	900
0 108	MULTI-RESIDENTIAL IN-UNIT RECYCLING BAGS	CW	S3	04	5	5	5	5	5	25	25	50	0	0	0	0	50	0	0	0	0	0	0	0	50
0 111	Online Sale of Garbage Bag Tags	CW	S2	04	20	0	0	0	0	20	0	20	0	0	0	0	20	0	0	0	0	0	0	0	20
0 112	SSO IN-UNIT KITCHEN CONTAINERS	CW	S2	04	150	150	150	0	0	450	0	450	0	0	0	0	450	0	0	0	0	0	0	0	450
0 113	SSO In-Unit Kitchen Containers - Future Years	CW	S6	04	0	0	0	80	80	160	400	560	0	0	0	0	560	0	0	0	0	0	0	0	560
0 114	Replacement Waste Bins Single Family - Change	CW	S2	04	3,000	3,000	3,000	3,000	3,000	15,000	9,000	24,000	0	0	0	0	24,000	0	0	0	0	0	0	0	24,000
0 117	Multi-Residential In-Unit Recycling Bags	CW	S2	04	25	25	0	0	0	50	0	50	0	0	0	0	50	0	0	0	0	0	0	0	50
0 120	2nd Generation Green Bin Replacement	CW	S2	04	600	300	300	300	300	1,800	300	2,100	0	0	0	0	2,100	0	0	0	0	0	0	0	2,100
0 121	2nd Generation Green Bin Replacement - Future Year	CW	S6	04	0	0	0	0	0	0	1,800	1,800	0	0	0	0	1,800	0	0	0	0	0	0	0	1,800
0 123	SSO IN-UNIT KITCHEN CONTAINERS	CW	S3	04	-70	-70	-70	0	0	-210	0	-210	0	0	0	0	-210	0	0	0	0	0	0	0	-210
0 124	Replacement Waste Bins Single Family - Change	CW	S3	04	0	0	0	-1,000	-1,000	-2,000	1,000	-1,000	0	0	0	0	-1,000	0	0	0	0	0	0	0	-1,000
0 125	Multi-Residential In-Unit Recycling Bags - Future	CW	S6	04	0	0	25	25	25	75	125	200	0	0	0	0	200	0	0	0	0	0	0	0	200
Sub-total					3,880	3,560	3,560	2,560	2,560	16,120	12,800	28,920	0	0	0	0	28,920	0	0	0	0	0	0	0	28,920
SOL906419 Perpetual Care of Landfills																									
0 13	Perpetual Care of Landfills-CSW312-16	CW	S3	02	-1,606	2,202	0	0	0	596	0	596	0	0	0	0	596	0	0	0	0	0	0	0	596
0 15	Perpetual Care of Landfills-CSW312-18	CW	S2	02	801	705	581	329	0	2,416	0	2,416	0	0	0	0	2,416	0	0	0	0	0	0	0	2,416
0 16	Perpetual Care of Landfills-CSW312-16	CW	S2	02	2,151	0	0	0	0	2,151	0	2,151	0	0	0	0	2,151	0	0	0	0	0	0	0	2,151
0 19	Perpetual Care of Landfills-CSW312-18	CW	S3	02	-430	-304	-355	-329	0	-1,418	0	-1,418	0	0	0	0	-1,418	0	0	0	0	0	0	0	-1,418
Sub-total					916	2,603	226	0	0	3,745	0	3,745	0	0	0	0	3,745	0	0	0	0	0	0	0	3,745
SOL906580 Collection Yard Asset Management																									
0 47	CNG Refuel Station Installations	CW	S2	04	5	0	0	0	0	5	0	5	0	0	0	0	5	0	0	0	0	0	0	0	5
0 49	Collection Yard Asset Management	CW	S2	03	91	0	0	0	0	91	0	91	0	0	0	0	91	0	0	0	0	0	0	0	91
Sub-total					96	0	0	0	0	96	0	96	0	0	0	0	96	0	0	0	0	0	0	0	96
SOL907245 NEW FLEET																									

CITY OF TORONTO

Gross Expenditures (\$000's)

Solid Waste Management

Sub-Project No.	Project Name	Ward	Stat.	Cat.	Current and Future Year Cash Flow Commitments									Current and Future Year Cash Flow Commitments Financed By											
					2020	2021	2022	2023	2024	Total 2020-2024	Total 2025-2029	Total 2020-2029	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other 2	Debt - Recoverable	Total Financing			
SOL907630 Dufferin SSO Facility																									
0 3	Dufferin SSO Facility	CW	S2	05	0	4,244	0	0	0	0	4,244	0	4,244	0	0	0	0	1,273	0	0	0	0	2,971	4,244	
0 4	Dufferin SSO Facility	CW	S3	05	6,600	0	0	0	0	6,600	0	6,600	0	0	0	0	1,980	0	0	0	0	0	4,620	6,600	
Sub-total					6,600	4,244	0	0	0	10,844	0	10,844	0	0	0	0	3,253	0	0	0	0	0	7,591	10,844	
SOL907631 Disco SSO Facility																									
0 7	Disco SSO Facility	CW	S2	05	130	0	0	0	0	130	0	130	0	0	0	0	39	0	0	0	0	0	91	130	
Sub-total					130	0	0	0	0	130	0	130	0	0	0	0	39	0	0	0	0	0	0	91	130
SOL907632 Long Term Waste Management Strategy																									
0 8	Commissioners TS	CW	S2	04	150	0	0	0	0	150	0	150	0	0	0	0	45	0	0	0	0	0	105	150	
0 11	Commissioners TS	CW	S3	04	-150	0	0	0	0	-150	0	-150	0	0	0	0	-45	0	0	0	0	0	-105	-150	
0 12	Promotion and Education	CW	S3	04	-108	-108	0	0	0	-216	0	-216	0	0	0	0	-54	0	0	0	0	0	-162	-216	
0 13	Promotion and Education	CW	S2	04	108	108	0	0	0	216	0	216	0	0	0	0	54	0	0	0	0	0	162	216	
0 16	Mixed Waste Processing with Organics Recovery	CW	S2	04	3,325	0	0	0	0	3,325	0	3,325	0	0	0	0	998	0	0	0	0	0	2,327	3,325	
0 20	Unit for Research, Innovation and Circular Economy	CW	S2	04	330	330	0	0	0	660	0	660	0	0	0	0	165	0	0	0	0	0	495	660	
0 21	Unit for Research, Innovation and Circular Economy	CW	S3	04	-330	-330	0	0	0	-660	0	-660	0	0	0	0	-165	0	0	0	0	0	-495	-660	
0 25	Reduce & Reuse, Multi-Residential and Incentives	CW	S3	04	-90	-90	0	0	0	-180	0	-180	0	0	0	0	-45	0	0	0	0	0	-135	-180	
0 26	Mixed Waste Processing with Organics Recovery	CW	S3	04	-1,000	0	0	0	0	-1,000	0	-1,000	0	0	0	0	-300	0	0	0	0	0	-700	-1,000	
0 28	Reduce & Reuse, Multi-Residential and Incentives	CW	S2	04	90	90	0	0	0	180	0	180	0	0	0	0	45	0	0	0	0	0	135	180	
0 29	LONG TERM WASTE MANAGEMENT STRATEGY UPDATE	CW	S4	04	500	500	0	0	0	1,000	0	1,000	0	0	0	0	250	0	0	0	0	0	750	1,000	
0 30	MIXED WASTE PROCESSING W/ ORGANICS RCVRVY	CW	S4	04	300	345	1,502	1,502	1,502	5,151	2,934	8,085	0	0	0	0	2,389	0	0	0	0	0	5,696	8,085	
0 31	PROMO & EDU / UFRICE / 3RS&MR	CW	S4	04	2,616	4,765	3,615	3,615	3,615	18,226	6,400	24,626	0	0	0	0	6,913	0	0	0	0	0	17,713	24,626	
0 33	COMMISSIONER / DROP-OFFS / ICI&CRD	CW	S4	04	0	2,904	2,289	3,919	919	10,031	3,000	13,031	0	0	0	0	3,620	0	0	0	0	0	9,411	13,031	
0 34	COMMISSIONER / DROP-OFFS / ICI&CRD	CW	S6	04	0	0	0	0	0	0	15,000	15,000	0	0	0	0	4,500	0	0	0	0	0	10,500	15,000	
Sub-total					5,741	8,514	7,406	9,036	6,036	36,733	27,334	64,067	0	0	0	0	18,370	0	0	0	0	0	45,697	64,067	
SOL907863 Biogas Utilization																									
0 3	Biogas Utilization at Disco	CW	S2	04	1,300	0	0	0	0	1,300	0	1,300	0	0	0	0	390	0	0	0	0	0	910	1,300	

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					2020	2021	2022	2023	2024	Total 2020-2024	Total 2025-2029	Total 2020-2029	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Debt - Recoverable Debt	Total Financing		
SOL907863 Biogas Utilization																								
0 6	Biogas Utilization at Dufferin	CW	S2	04	500	0	0	0	0	500	0	500	0	0	0	0	150	0	0	0	0	350	500	
0 8	Biogas Utilization at Disco	CW	S3	04	-500	1,000	0	0	0	500	0	500	0	0	0	0	150	0	0	0	0	350	500	
Sub-total					1,300	1,000	0	0	0	2,300	0	2,300	0	0	0	0	690	0	0	0	0	1,610	2,300	
SOL907919 SWM IT Application Initiatives																								
0 19	SWMS Business Intelligence Implementation	CW	S3	04	450	300	0	0	0	750	0	750	0	0	0	0	225	0	0	0	0	525	750	
0 28	Contract Management (Contract Monitoring) - Change	CW	S4	04	387	141	0	0	0	528	0	528	0	0	0	0	158	0	0	0	0	370	528	
0 32	SWMS Business Intelligence Implementation	CW	S2	04	75	0	0	0	0	75	0	75	0	0	0	0	22	0	0	0	0	53	75	
0 42	Transfer Station Efficiencies	CW	S3	04	-1,140	1,000	600	500	500	1,460	2,500	3,960	0	0	0	0	1,188	0	0	0	0	2,772	3,960	
0 44	Transfer Station Efficiencies	CW	S2	04	2,569	211	0	0	0	2,780	0	2,780	0	0	0	0	834	0	0	0	0	1,946	2,780	
0 47	SWMS Stakeholder-Customer Relationship Management	CW	S2	04	596	0	0	0	0	596	0	596	0	0	0	0	179	0	0	0	0	417	596	
0 48	SWMS OPERATIONAL SOLUTION DELIVERY - PHASE 1	CW	S3	04	250	0	0	0	0	250	0	250	0	0	0	0	75	0	0	0	0	175	250	
0 50	SWMS OPERATIONAL SOLUTION DELIVERY - PHASE 1	CW	S2	04	154	0	0	0	0	154	0	154	0	0	0	0	47	0	0	0	0	107	154	
0 51	SWMS OPERATIONAL SOLUTION DELIVERY - PHASE 2	CW	S4	04	0	332	300	0	0	632	0	632	0	0	0	0	190	0	0	0	0	442	632	
0 52	SWM IT Strategy Refresh	CW	S2	04	245	0	0	0	0	245	0	245	0	0	0	0	74	0	0	0	0	171	245	
Sub-total					3,586	1,984	900	500	500	7,470	2,500	9,970	0	0	0	0	2,992	0	0	0	0	6,978	9,970	
SOL907956 IT Corporate Initiatives																								
0 5	Electronic Document & Records Mgmt Solution	CW	S3	04	490	400	0	0	0	890	0	890	0	0	0	0	267	0	0	0	0	623	890	
0 6	Time & Attendance Management Solution (TAMS)	CW	S4	04	0	250	0	0	0	250	0	250	0	0	0	0	75	0	0	0	0	175	250	
0 8	Work Management System (WMS) Implementation	CW	S2	04	4,074	0	0	0	0	4,074	0	4,074	0	0	0	0	1,223	0	0	0	0	2,851	4,074	
0 9	Work Management System (WMS) Implementation	CW	S3	04	-750	2,650	1,500	0	0	3,400	0	3,400	0	0	0	0	1,020	0	0	0	0	2,380	3,400	
0 10	Electronic Document & Records Mgmt Solution	CW	S2	04	288	0	0	0	0	288	0	288	0	0	0	0	86	0	0	0	0	202	288	
Sub-total					4,102	3,300	1,500	0	0	8,902	0	8,902	0	0	0	0	2,671	0	0	0	0	6,231	8,902	
SOL907957 Transfer Station Asset Management																								
0 42	Transfer Station Asset Management-CSW361-16	CW	S2	03	1,174	0	0	0	0	1,174	0	1,174	0	0	0	0	1,174	0	0	0	0	0	1,174	
0 43	Transfer Station Asset Management-CSW361-18	CW	S2	03	223	13	0	0	0	236	0	236	0	0	0	0	236	0	0	0	0	0	236	

CITY OF TORONTO

Gross Expenditures (\$000's)

Solid Waste Management

Sub- Project No. Project Name PrioritySubProj No. Sub-project Name Ward Stat. Cat.						Current and Future Year Cash Flow Commitments						Current and Future Year Cash Flow Commitments Financed By												
						2020	2021	2022	2023	2024	Total 2020-2024	Total 2025-2029	Total 2020-2029	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Debt - Recoverable Debt	Total Financing	
<u>SOL907957 Transfer Station Asset Management</u>																								
0	44	Transfer Station Asset Managemnet-2017	CW	S2	03	1,472	40	35	0	0	1,547	0	1,547	0	0	0	0	1,547	0	0	0	0	0	1,547
0	45	Transfer Station Asset Management-CSW361-18	CW	S3	03	0	-9	4	0	0	-5	0	-5	0	0	0	0	-5	0	0	0	0	0	-5
0	46	Transfer Station Asset Managemnet-2017	CW	S3	03	-509	-16	-20	0	0	-545	0	-545	0	0	0	0	-545	0	0	0	0	0	-545
0	47	Transfer Station Asset Management-CSW361-16	CW	S3	03	-73	18	3	0	0	-52	0	-52	0	0	0	0	-52	0	0	0	0	0	-52
Sub-total						2,287	46	22	0	0	2,355	0	2,355	0	0	0	0	2,355	0	0	0	0	0	2,355
<u>SOL908082 Diversion Facilities Asset Management</u>																								
0	3	Diversion Facilities Asset Management-2018	CW	S3	03	85	-100	0	0	0	-15	0	-15	0	0	0	0	-15	0	0	0	0	0	-15
0	4	Diversion Facilities Aseet Management-2017	CW	S2	03	1,738	0	0	0	0	1,738	0	1,738	0	0	0	0	1,738	0	0	0	0	0	1,738
0	6	Diversion Facilities Asset Management-2018	CW	S2	03	300	100	0	0	0	400	0	400	0	0	0	0	400	0	0	0	0	0	400
Sub-total						2,123	0	0	0	0	2,123	0	2,123	0	0	0	0	2,123	0	0	0	0	0	2,123
<u>SOL908086 Two-Way Radio Replacement</u>																								
0	1	Two-Way Radio Replacement	CW	S2	04	85	50	0	0	0	135	0	135	0	0	0	0	40	0	0	0	0	95	135
0	3	Two-Way Radio Replacement	CW	S3	04	-35	0	0	0	0	-35	0	-35	0	0	0	0	-11	0	0	0	0	-24	-35
Sub-total						50	50	0	0	0	100	0	100	0	0	0	0	29	0	0	0	0	71	100
<u>SOL908171 Engineering Planning Studies</u>																								
0	5	ENGINEERING PLANNING STUDIES - 2018	CW	S3	04	-794	572	430	1,294	500	2,002	0	2,002	0	0	0	0	2,002	0	0	0	0	0	2,002
0	6	ENGINEERING PLANNING STUDIES - 2018	CW	S6	04	0	0	0	0	0	0	2,500	2,500	0	0	0	0	2,500	0	0	0	0	0	2,500
0	7	ENGINEERING PLANNING STUDIES - 2018	CW	S2	04	2,068	0	0	0	0	2,068	0	2,068	0	0	0	0	2,068	0	0	0	0	0	2,068
Sub-total						1,274	572	430	1,294	500	4,070	2,500	6,570	0	0	0	0	6,570	0	0	0	0	0	6,570
<u>SOL908240 COLLECTION YARD ASSET MANAGEMENT</u>																								
0	1	CYAM - BERMONDSEY	CW	S2	03	195	0	0	0	0	195	0	195	0	0	0	0	195	0	0	0	0	0	195
0	2	CYAM - BERMONDSEY	CW	S6	03	0	0	0	0	0	0	1,253	1,253	0	0	0	0	1,253	0	0	0	0	0	1,253
0	3	CYAM - INGRAM	CW	S2	03	1,757	0	0	0	0	1,757	0	1,757	0	0	0	0	1,757	0	0	0	0	0	1,757
0	4	CYAM - INGRAM	CW	S6	03	0	0	0	0	0	0	1,210	1,210	0	0	0	0	1,210	0	0	0	0	0	1,210
0	5	CYAM - YONGE	CW	S2	03	565	0	0	0	0	565	0	565	0	0	0	0	565	0	0	0	0	0	565

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Solid Waste Management						Current and Future Year Cash Flow Commitments							Current and Future Year Cash Flow Commitments Financed By												
Sub-Project No.	Project Name	Ward	Stat.	Cat.		2020	2021	2022	2023	2024	Total 2020-2024	Total 2025-2029	Total 2020-2029	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Debt - Recoverable Debt	Total Financing		
<u>SOL908635 RENEWABLE NATURAL GAS KVL</u>																									
0 1	RNG KVL	CW	S2	03		800	0	0	0	0	800	0	800	0	0	0	0	800	0	0	0	0	0	800	
0 2	RNG KVL	CW	S3	03		-500	500	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Sub-total						300	500	0	0	0	800	0	800	0	0	0	0	800	0	0	0	0	0	800	
<u>SOL908637 ORGANICS PROCESSING FACILITY</u>																									
0 1	ORGANIC PROCESSING FACILITY	CW	S4	05		200	500	1,890	4,184	21,500	28,274	101,726	130,000	0	0	0	0	0	0	0	0	0	0	130,000	
Sub-total						200	500	1,890	4,184	21,500	28,274	101,726	130,000	0	0	0	0	0	0	0	0	0	0	130,000	130,000
<u>SOL908746 FLEET TECHNOLOGY ENHANCEMENTS</u>																									
0 1	FLEET TECHNOLOGY ENHANCEMENTS	CW	S2	04		1,320	2,530	0	0	0	3,850	0	3,850	0	0	0	0	3,850	0	0	0	0	0	3,850	
Sub-total						1,320	2,530	0	0	0	3,850	0	3,850	0	0	0	0	3,850	0	0	0	0	0	3,850	
<u>SOL908764 LANDFILL CAPACITY DEVELOPMENT</u>																									
0 1	LANDFILL CAPACITY DEVELOPMENT	CW	S4	02		0	1,000	2,000	2,000	0	5,000	0	5,000	0	0	0	0	5,000	0	0	0	0	0	5,000	
0 2	LANDFILL CAPACITY DEVELOPMENT	CW	S6	02		0	0	0	0	0	0	15,000	15,000	0	0	0	0	15,000	0	0	0	0	0	15,000	
Sub-total						0	1,000	2,000	2,000	0	5,000	15,000	20,000	0	0	0	0	20,000	0	0	0	0	0	20,000	
Total Program Expenditure						81,334	85,604	81,025	85,955	79,143	413,061	355,050	768,111	0	0	0	0	409,496	0	0	0	0	0	358,615	768,111

Report Phase 2 - Program 17 Solid Waste Management Program Phase 2 Sub-Project Category 01,02,03,04,05 Part B Sub-Project Status S2,S5,S6 Part C Sub-Project Status S2,S3,S4

CITY OF TORONTO

Gross Expenditures (\$000's)

Solid Waste Management

		Current and Future Year Cash Flow Commitments and Estimates									Current and Future Year Cash Flow Commitments and Estimates Financed By													
		2020	2021	2022	2023	2024	Total 2020-2024	Total 2025-2029	Total 2020-2029	Provincial Grants and Subsidies	Federal Subsidy	Development Charges	Reserve Reserves	Reserve Funds	Capital from Current	Other 1	Other2	Debt - Recoverable Debt	Total Financing					
Sub- Priority	Project No. SubProj No.	Project Name Sub-project Name	Ward	Stat.	Cat.																			
Financed By:																								
		Reserve Funds (Ind."XR" Ref.)				48,487	55,156	45,427	43,416	33,457	225,943	183,553	409,496	0	0	0	0	409,496	0	0	0	0	0	409,496
		Debt - Recoverable				32,847	30,448	35,598	42,539	45,686	187,118	171,497	358,615	0	0	0	0	0	0	0	0	0	358,615	358,615
Total Program Financing						81,334	85,604	81,025	85,955	79,143	413,061	355,050	768,111	0	0	0	0	409,496	0	0	0	0	358,615	768,111

- Status Code Description**
 S2 S2 Prior Year (With 2020 and/or Future Year Cashflow)
 S3 S3 Prior Year - Change of Scope 2020 and/or Future Year Cost(Cashflow)
 S4 S4 New - Stand-Alone Project (Current Year Only)
 S5 S5 New (On-going or Phased Projects)
 S6 S6 New - Future Year (Commencing in 2021 & Beyond)
- Category Code Description**
 01 Health and Safety C01
 02 Legislated C02
 03 State of Good Repair C03
 04 Service Improvement and Enhancement C04
 05 Growth Related C05
 06 Reserved Category 1 C06
 07 Reserved Category 2 C07