

APPENDIX B-1: PROJECTS REQUIRING ADDITIONAL FUNDING - COUNCIL APPROVAL REQUIRED
As at: February 28, 2017

Project Name	GIL#	Total Approved Budget	Estimated Total Project Costs	Additional Funding Required	Tax Capital Reserve	Water Reserve Fund	Sources of Funding			Other Source Description	Comments
							Wastewater Reserve Fund	Development Charges	Other Source		
Active Projects (Require additional Council Approved funding):											
Bridges:											
1790 Design for Harvie Road Crossing	14-16-2511-1790	3,900,000.00	7,900,000.00	4,000,000.00	1,373,333.33			2,626,666.67			To advance property acquisition using the latest information from the design consultant and property unit costs from the City's real estate. Property values have increased significantly and additional property is required for utility relocations and stormwater management. The scope of the project has expanded to include additional design fees for diverting diamond interchange at Mapleview Drive.
Environmental:											
9559 Landfill Re-engineering	14-16-2320-9559	48,537,932.90	48,837,932.90	300,000.00	300,000.00						Landfill Operations is scheduled to resume operations of the active landfill site from the contractor tentatively in July 2017. The current recruitment process did not yield the still set required to operate the active landfill cell. Further recruitment is moving forward and may not be completed within the timeline required. This recruitment delay has also delayed the implementation of the training plan further impacting the ability to resume responsibility for the active landfill site. The purpose of the additional funding is to maintain the operation of the active landfill site by the current contractor.
1936 Landfill Earth Scraper Replacement (90-810) - Environmental	14-16-2720-1936	800,000.00	1,000,000.00	200,000.00	200,000.00						Due to MOE regulations the new Landfill dozer needs to utilize GPS technology to measure grade and coverage depths. The Accu grade system will be around \$120,000 in addition to the \$650,000 purchase price. Also the trade-in value of the old D8 dozer came in under the expected value. These two factors have negatively impacted the remaining budget needed to purchase the skid steers and small loader/tractor that were identified in the business plan, so we are requesting an additional \$200,000 be added to the budget to allow these remaining purchases to be made. Please note as a result of this project, we will not need to move forward with intake form #539 Landfill Earthmover Replacement in 2018 which would have had an impact of \$750,000 on the 2018 Capital plan.
Facilities:											
1996 East Bayfield Community Centre BAS Upgrade	14-17-3470-1996	388,483.00	510,000.00	141,517.00	141,517.00						Additional funds required for construction costs. The original budget for this project was based on high level costing from a 2015 BAS Condition Report. Now that we have a consultant on board and completing a detailed design and review, it is apparent that more work is required than initially anticipated. The objective of this project is to improve the quality and functionality of the EBCC and its key systems, and reduce long term OAM and energy costs. In order to effectively achieve this, additional control points are required to be installed to enhance the systems control functions and informational points for the operators to track; if the system is functioning optimally, it is also necessary to complete mechanical upgrades to the ground source heating supply to protect the system from overcooling.
1764 Queen's Park Washroom Building Renovation	14-17-3389-1764	286,221.00	308,221.00	40,000.00				40,000.00	Cash-in-Lieu Parkland		Due to unforeseen conditions on the project, additional funds are required to complete the installation of a new water service. The existing water service was a non-potable waterline. The project requires that the washroom is serviced by a potable waterline.
1927 St. Vincent Park Washroom Building Replacement	14-17-3389-1927	200,000.00	300,000.00	100,000.00				100,000.00	Cash-in-Lieu Parkland		Additional funds are being requested to pilot the use of an pre-fabricated automatic washroom facility. Pending positive results of the pilot, automatic washrooms would be utilized in all park facilities. The use of automatic washrooms would see a significant reduction in life cycle and maintenance costs. The prefabricated units are also able to be relocated in response to future growth and demand needs.
1845 Marive Bayfield Basin Area Upgrade	14-17-3390-1845	1,911,710.00	1,911,710.00	0.00	955,859.50				Marine Reserve		Requesting funding adjustment to reflect proportionate share of benefit of this project on marine park fees and tax base.
2019 Fuel Tank Repairs 2017	14-17-3075-2019	0.00	384,000.00	384,000.00	107,000.00			277,000.00			Emergency purchase
2018 City Hall Generator Repair	14-17-3303-2018	0.00	65,000.00	65,000.00	65,000.00						Emergency purchase

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					Tax Capital Reserve	Water Reserve Fund	Wastewater Reserve Fund	Development Charges	
Parks:									
1628 Memorial Park (Construction)	14-16-2351-1628	4,248,747.00	4,895,747.00	650,000.00	800,000.00			(150,000.00)	Lake Simcoe Region Conservation Authority The additional funds are required to ensure all storm water and accessibility requirements are met for future requirements. This updated design will cost \$5M less than the first design that went to tender however will require the additional \$650K to complete all requirements. \$150K was included as approved funding source for a grant from the Lake Simcoe Region Conservation Authority. The timing requirements were not met to receive this funding so another funding source is required to maintain the approved budget amount. In recognition of Canada 150, we have requested that the Park be close to completion for the celebrations on Labour Day weekend. This accelerated construction schedule has increased the cost of project delivery.
1791 Military Heritage Park New Development	14-16-2351-1791	1,259,880.00	1,570,981.00	311,081.00	311,081.00				
Roads:									
1135 Mapleview Dr E - Huronia to Country	14-16-xxxx-1135 (various sub-depts)	15,877,264.00	18,077,264.00	2,400,000.00	310,500.00	250,000.00	270,000.00	1,505,500.00	Useable road base required deeper excavation, disposal of excess materials, and backfilling with additional granular materials, temporary roadway required upgrading to properly convey traffic safely, proposed retaining walls require enhanced design due to poor soil conditions encountered. To accelerate the geotechnical investigation ahead of detailed design. This will facilitate project stage 2 completion. Engineering committed to completing Stages 1 and 2 of this project. The Stage 1 tender award came in over budget so additional funding is required to continue on with Stage 2.
1798 Bell Farm Road ROW Expansion - St. Vincent to Duckworth	14-16-2510-1798	722,000.00	802,000.00	80,000.00	23,873.68	11,789.47		44,336.84	
1803 Essa Road New Watermain and Road Expansion - Coughlin to Mapleview	14-16-2510-1803	90,000.00	200,000.00	110,000.00	110,000.00				
1858 Infrastructure Master Plans / DC Technical Studies Update	14-16-2510-1858	200,000.00	400,000.00	200,000.00				200,000.00	Transit scope added and proposals came in over original budget.
1986 Partial Depth Road Resurfacing Program	14-16-2510-1986	2,925,000.00	2,710,000.00	85,000.00	85,000.00				Geotechnical investigation work for 2018 program to be completed in 2017 to facilitate early tendering in 2018 which should therefore see lower construction pricing compared to later tender.
Storm:									
1304 Lakeshore Dr. Victoria-Tiffin	14-16-2523-1304	1,460,279.00	1,460,279.00	0.00	(134,000.00)				Funding adjustment as a result of the grant funding received.
1581 Morrow Rd - Patterson to Ardagh	14-16-2520-1581	21,000.00	35,056.00	14,056.00	14,056.00			134,000.00	Grants
Transportation Studies:									
0689 Byrne Dr - South of Esse to Caplan Class EA	14-16-2320-0689	300,000.00	500,000.00	200,000.00	50,985.33			149,014.87	Engineering committed to completing Stages 1 and 2 of this project. The Stage 1 tender award came in over budget so additional funding is required to continue on with Stage 2.
1629 Howitts Secondary Plan Area Road Class EA	14-16-2320-1629	871,680.00	850,000.00	178,320.00				178,320.00	Scope changes were initiated to include additional areas, provisional Project Status Updates had reduced the total budget for this project, based on the information available at the time.
1630 Salem Secondary Plan Area Road Class EA	14-16-2320-1630	758,101.00	1,000,000.00	241,899.00				241,899.00	Scope changes were initiated to include additional areas, provisional Project Status Updates had reduced the total budget for this project, based on the information available at the time.
1631 McKay Road/Highway 400 Interchange Class EA	14-16-2320-1631	763,754.00	925,000.00	161,246.00				161,246.00	Scope changes were initiated to include need and justification study for HWY 400 related work, provisional activities were authorized for additional PICs, and previous Capital Project Status Updates had reduced the total budget for this project, based on the information available at the time.

APPENDIX B-1: PROJECTS REQUIRING ADDITIONAL FUNDING - COUNCIL APPROVAL REQUIRED
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Project Name	G/L#	Total Approved Budget	Estimated Total Project Costs	Additional Funding Required	Sources of Funding				Other Source Description	Comments
					Tax Capital Reserve	Water Reserve Fund	Wastewater Reserve Fund	Development Charges		
Wastewater:										
1859 Blazolds Facility Storage Tank Mixers Replacement	14-16-2515-1859	3,866,400.00	7,860,000.00	3,703,000.00		3,703,000.00				The estimated cost adjustment is a result of: 1) Pre-consultation with Hydro One, identifying that their existing transmission feeder to the biosolids facility will not meet the power demands for this project and; 2) Additional interconnecting piping is needed to assist in the optimizing of the facility operation and 3) Original consultant's base estimate was low. Based on Operational savings, the Payback period for the overall project increased from approximately 5 years to 7.5 years. Notes: 1) The hydro line has to be upgraded as part of the next hydraulic expansion that may start as early as 2025; and 2) In optimizing the mixing operations, this will reverse the premature need to bring a new large storage tank on line. The cost breakdown for the hydro upgrades is \$2,100,000; the interconnecting piping is \$750,000 and; and low pump system estimate is \$853,000. For this project to continue, pre-approval for these additional construction funds is required in 2017 however the funds will not be needed until 2018.
1704 Lockhart Road New Trunk Sanitary Sewer and Pumping Station 4 Decommissioning - Bayview to Railway	14-16-2515-1704	163,750.00	225,000.00	31,250.00		31,250.00				Additional effort was required to investigate potential sewer alignment impacts on existing rail bridge foundations.
1743 Sanitary Pump Station 3 Decommissioning - Huronia Road, South of Mapleview	14-16-2515-1743	322,348.00	400,000.00	77,652.00		38,826.00	38,826.00			The original costs were based on Master Plan Costs. With the completion of the design phase, updated estimates are available for construction.
1581 Morrow Rd - Patterson to Ardagh	14-16-2515-1591	367,000.00	654,300.00	287,300.00		142,144.00	145,156.00	Developer Agreement		Additional sanitary sewer work added to project at request of private developer. Costs paid by private developer.
1856 Infrastructure Master Plans / DC Technical Studies Update	14-16-2515-1856	425,000.00	490,000.00	65,000.00			65,000.00			Waste Collection Master Plan Update: Developing a dynamic model for the wastewater collection system, including calibration is a major improvement on the previous model completed. Upgrading the existing PCSWM static model to a dynamic model will permit the analysis of peak flow attenuation facilities to control peak flows entering the WwTF.
Wastewater Operations:										
1555 Wastewater - Security Monitoring & Gates (BSF)	14-17-2750-1555	207,735.31	307,735.31	100,000.00		100,000.00				To tie the gates into security monitoring.
Water:										
1507 Dunlop Street West - Aune to Eccles - Level 3	14-16-2535-1507	1,087,712.00	1,188,270.05	120,558.05		120,558.05				Additional work was completed to renew watermain that wasn't contemplated in design as a result of condition observed in field.
1581 Morrow Rd - Patterson to Ardagh	14-16-2535-1591	724,300.00	827,873.00	103,573.00		103,573.00				The original costs were based on Master Plan Costs. With the completion of the design phase, updated estimates are available for construction.
1726 County Road 27 New Transmission Watermain - South of Mapleview	14-16-2535-1726	479,000.00	575,000.00	96,000.00				96,000.00	Developer Front Ending	The budget for the watermain project needs to be reallocated between funding sources to include components for roads and sanitary.
1765 Baldwin Lane Watermain Replacement - William to Bayview	14-16-xxxx-1765 (various sub-depts)	1,165,000.00	1,165,000.00	0.00	660,000.00	(760,000.00)	100,000.00			Water Storage and Distribution Master Plan Update: The water model being updated is over 10 years old and was created prior to major system improvements like the surface water treatment plant and Sunndale Reservoir. WSP scope included a series of field measurements and model calibrations (flow, pressure and water quality) to bring the existing water model up to date.
1856 Infrastructure Master Plans / DC Technical Studies Update	14-16-2535-1856	282,000.00	412,000.00	150,000.00			150,000.00			
Sub-total		93,863,306.51	109,499,466.28	14,877,182.08	5,374,298.88	3,620.52	4,386,620.00	4,843,344.16	(9,236.50)	

APPENDIX D-1: PROJECTS REQUIRING ADDITIONAL FUNDING - COUNCIL APPROVAL REQUIRED
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Project Name Completed Projects (Requires additional Council Approval funding):	G.R.#	Total Approved Budget	Estimated Total Project Costs	Additional Funding Required	Sources of Funding				Other Source Description	Comments
					Tax Capital Reserve	Water Reserve Fund	Wastewater Reserve Fund	Development Charges		
Roads, Parks & Fleet Dept:										
1773 2015 Additional Fleet (Storm) - Approved Service Level Changes	14-18-4540-1773	54,000.00	87,053.87	13,053.87	13,053.87					Original budget was for a lower grade vehicle, however when the person was hired later, it was determined the vehicle originally chosen needed to be upgraded.
1774 2015 Additional Fleet (Parts) - Approved Service Level Changes	14-18-4810-1774	52,000.00	58,435.84	8,435.84	8,435.84					Original budget was for a lower grade vehicle, however when the person was hired later, it was determined the vehicle originally chosen needed to be upgraded.
Street Lighting:										
1554 Victoria Street - Ellen to Lakeshore	14-10-2363-1554	3,335.00	27,699.84	24,364.84	22,364.82		1,965.02			
Wastewater:										
0690 Oro Medonte Biosolids Facility	14-16-2515-0690	21,593,917.00	21,593,917.00	0.00		416,091.85		(416,091.85)	Debiture issued prior to completion of project. The request is to fund the balance of project costs from the wastewater reserve.	
1518 Highland Avenue - Rodney to Cook	14-16-2515-1518	111,345.00	124,400.78	13,055.78		13,055.78				
Water:										
1570 Bayview Dr - Hojgate to Tower	14-16-2535-1570	383,000.00	470,110.50	116,110.50		116,110.50				The road account was closed with a surplus of \$38,242. There were several change orders during the construction related to the water component.
Sub-Total		22,177,897.00	22,360,823.83	173,076.83	41,888.83	116,110.50	1,965.02	(416,091.85)		
Grand Total (Requiring Council Approval)		116,070,963.31	130,841,882.09	14,770,178.86	5,418,692.38	919,760.02	4,845,309.19	(424,330.49)		

**APPENDIX D-2: SUMMARY OF FUNDING ADJUSTMENTS FOR
PROJECTS REQUIRING ADDITIONAL FUNDING - COUNCIL APPROVAL
REQUIRED**

As at: February 28, 2017

Reserve / Funding Source	Account #	Committed Funding Adjustment
Tax Capital Reserve	13-04-0440	5,416,092.38
Water Reserve Fund	12-05-0580	119,140.02
Wastewater Reserve Fund	12-05-0575	4,814,967.73
Development Charges - Water	11-05-0540	150,000.00
Development Charges - Wastewater	11-05-0525	833,826.00
Development Charges - Roads	11-05-0520	3,786,483.19
Development Charges - Transit	11-05-0550	75,000.00
Parkland Cash-in-Lieu	11-05-0556	140,000.00
Marina Reserve	13-04-0420	(955,859.50)
Debuture		(416,091.95)
Developer Agreement		726,621.00
Developer Front Ending		96,000.00
Lake Simcoe Region Conservation Authority		(150,000.00)
Grants		134,000.00
	Total	14,770,178.88