

Report from Financial Management Services, Accounting

Date of Report: January 12, 2018

Date of Meeting: January 22, 2018

Report Number: FMS-B003-2018

File: 10.57.10

Subject: 2018 Capital Budget and Four Year Forecast

Recommendation

That the report from Financial Management Services dated January 12, 2018, regarding the 2018 Capital Budget and Four Year Forecast be approved by Budget Standing Committee and referred to City Council for consideration after the Public Meeting scheduled for February 12, 2018 for which notice will be duly given.

FORTHWITH

Staff Recommendation

That BSC approve the 2018 Capital Budget and Four Year Forecast as detailed in Appendix 1; and

That the City Solicitor be directed to prepare the necessary borrowing by-laws.

FORTHWITH

Background

The 2018 Capital Budget is the plan of capital expenditures to be committed during 2018. The Four Year Forecast is a plan of capital expenditures to be incurred each year over a period of four years to meet capital needs arising from approved capital programs and anticipated capital works.

The Capital Budget and forecasts allow the Corporation to finance its projects over a number of years and also provides a control mechanism for future debt levels.

The forecast for years 2019-2022 is determined by the review of various studies underway or recently completed which outline capital investments that are required or recommended to maintain or enhance City infrastructure. These studies include, but are not limited to, the Parks Master Plan, Recreation Master Plan, Fire Services Master Plan, Pollution Control Plan, Municipal Space Study, Parking Study and Asset Management Plan.

The Budget Standing Committee (BSC) at its meeting of June 20, 2016, approved a motion that a date in April 2017 be set as target for the 2017 capital budget and that in

future years a first quarter date would be set. This report achieves this direction for the 2018 capital budget.

Report

Council support of the Capital Budget accomplishes approval of both the five-year capital plan and funding for the capital program. Applicable funding sources for the programs are grants, reserves and operating fund contributions with the remaining funds not covered becoming debt.

The 2018 Capital Budget and Four Year Forecast is detailed in Appendix 1. The following information is included in the appendix.

<u>Item</u>	<u>Description</u>	<u>Appendix Page #</u>
Summary	The breakdown of capital expenditures for years 2018 to 2022	1
2018 Capital Budget	The capital expenditures proposed for 2018 by function. The 2018 Capital Budget references various Schedules by category which provide greater detail for the projects listed. For Council information, the projects which have already received early budget approval by Council are noted on the 2018 summary and the individual schedules.	2 to 17
2019 Capital Forecast	The 2019 forecast is determined from the asset management plan. The Canada Summer Games allocation has received early Council approval with the Games being awarded to the Region of Niagara.	18
Potential Long Term Capital Expenditures	A list of capital projects not yet approved or included in the 4 year forecast that could impact the capital budget in future years	19
Infrastructure Levy Projects	A list of projects funded from the Infrastructure Levy approved in the 2018 operating budget process	20
The 2017 Debt and Annual Repayment Limit	Information regarding the debt payments the City is committed to and the Annual Repayment Limit as prescribed by the Province	21

The 2017 Unfinanced Capital Projects	A list of previously approved capital projects that have yet to be debentured	22
Reprioritization of Capital Projects	Details of the various capital projects that have been added or deferred in the 2018 capital budget and future year forecasts	23

A)Capital Program Strategy

Municipal budgets are very capital intensive. In determining the City's capital strategy, the first priority is maintaining existing infrastructure while the second priority for the capital strategy is to expand or replace existing assets aimed at improving services and programs for residents.

A key parameter to maintain existing infrastructure is ensuring the City's assets meet current federal and provincial regulations and guidelines. As such, City departments report on capital needs by determining the value of the infrastructure, deficiencies and target condition ratings with the aim of setting a level of expenditures to achieve those targets. As stated in the 2013 Asset Management Plan, the goal is that all City owned infrastructure assets are sustainable into the future.

Capital Budget funded projects which are a result of a current regulation or guideline are the following:

- Accessibility upgrades (roads and buildings)
- Pollution control plan implementation
- New storm sewers for combined sewer separation; and
- Water/Wastewater Financial Plan (to a minor extent)

Capital Budget also funds major expenditures arising from the City's Asset Management Plan recommendations and other Master Plans.

B)Funding of Capital Projects

Financing of Capital Program

Debt financing allows for a more manageable impact of the Operating Budget as it allows for the payments to be spread over a longer term which is appropriate for assets with a longer life expectancy.

A pay-as-you-go method of financing infrastructure investments avoids interest payments and debt issuance costs, however it directly and significantly impacts the Operating Budget year-to-year. The ability to begin more than one large project is also very limited which could result in the underfunding of infrastructure. For these reasons,

the City uses debt financing to ensure the City continues to be financially responsible and has a debt management strategy in place.

There is also a separate infrastructure tax rate levied annually to help address the existing infrastructure deficit. The projects funded from the 2018 Infrastructure Levy are shown on page 20 in Appendix 1.

Municipal Act Debt Guideline

The Municipal Act requires that a Municipality have a five year capital financing forecast. Ontario Regulation 403/02 limits annual debt charges to no more than 25% of the City's net revenue fund revenues.

Using this guideline, the City could increase its debt (approximately) by a further \$122.0 million based on an interest rate of 7%, which is the rate the Ministry of Municipal Affairs uses for illustrative purposes.

Using the City's current estimated borrowing rate of 5%, the City's additional debt capacity would be \$135.7 million. Although there has never been a suggestion that this limit be approached, Council does have significant capacity available should circumstances warrant additional debt financing.

The City Treasurer has updated the Debt Repayment Limit for the City and the debenture amount proposed in the 2018 Capital Budget will not cause the City to exceed its limit. This updated document is available on page 21 of Appendix 1.

Debt Management Strategy

During the 2018 Operating budget process, the BSC review the City's established Debt Management Strategy which determines capital projects that are eligible for debt financing, identifies a sustainable level of borrowing and deals with debt repayment. The BSC further directed staff to review funding alternatives for capital and to report back to the BSC during the 2019 budget process. The currently established debt management strategy, with Council's ongoing support, has the following criteria:

- 1) Eligibility: Not all capital projects are suited for debt financing. The City's strategy is to recommend debt financing only for infrastructure purposes. Specifically, for large projects that provide well-defined benefits to the community, have long asset lives and the ability to leverage additional financing elsewhere.
- 2) Sustainable level of borrowing: For debt management purposes, the City has adopted a policy aimed at containing debt charges at approximately 10% of the City's total own expenditures. This will ensure that the debt service costs will not become an increasing burden and a larger portion of the City's budget, as it is essential the City ensure debt levels are sustainable within the Operating Budget.

- 3) Debt repayment: The City has a 10% down payment strategy which reduces the amount to be borrowed and at the same time, bringing the approximate costs of one year's debt service to the year of decision. As a result Council will raise, through property taxes, an amount which will be equivalent of future annual debt charges for each particular project. Debentures are taken for shorter timeframes versus longer timeframe which are typically five or ten years.

This debt management strategy was used to develop the 2018 Capital Budget.

Capital Projects Budget Impact

The impact of increased borrowing is delayed. It usually takes one to two years to complete the borrowing cycle which includes:

- Project approval
- Project design
- Tendering
- Construction
- Debenture issue
- Debenture cost inclusion in an Operating Budget

In 2017, the City's debt charges were 8.96% of the City's total estimated expenditures. Each year, the Ministry of Municipal Affairs produces a financial indicator review that states debt costs between 5% and 10% are considered moderate risk – which is where the City of St Catharines currently resides.

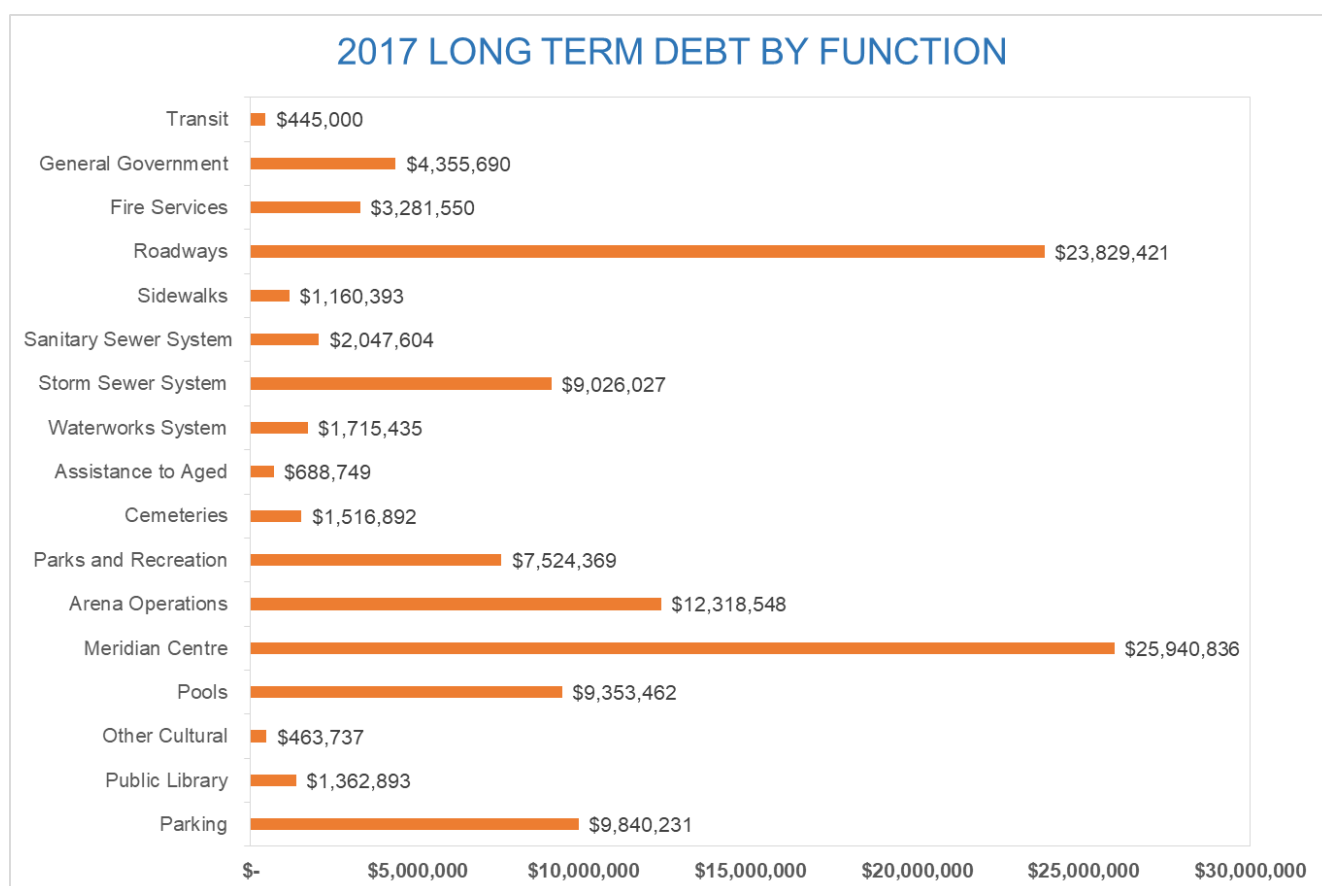
The chart below has the estimated impact of increased borrowing activities for the next five years.

	2017	2018	2019	2020	2021	2022
Outstanding Debt	\$114.6m	\$115.7m	\$117.7m	\$119.6m	\$121.5m	\$124.3m
Debt Per Household	\$1,953.31	\$1,971.30	\$2,006.66	\$2,039.17	\$2,072.18	\$2,118.87
Total Annual Debt Charges	\$15.1m	\$16.0m	\$16.3m	\$17.2m	\$ 18.4m	\$20.4m
As % of Operating Budget	8.96%	9.24%	9.20%	9.44%	9.88%	10.66%

The chart above shows the total debt charges as a percentage of operating budget slightly exceeding the 10% upper limit in 2022. There are many assumptions to determine this percentage, including the amount of debt to be issued, timing of the debt issuances and total amount of expenditures. This projection assumes all future debt being issued for a period of 10 years at an interest rate of 4%. The City needs to continue to refine its Asset Management Plan in order to better understand and forecast its future capital spending needs.

The assumptions made are conservative. Any changes made to any of the assumptions – whether that is timing, term or interest rate for debt issuances, or the level of capital spending supported by debt, will have an impact on the debt charges as a percentage of expenditures, projected debt balance and future tax levy impacts.

The following graph shows the total debt breakdown among the various functional areas for infrastructure and facilities.



Council, at the December 19, 2016 meeting, authorized the recommendation for early budget approval in the amount of \$320,000 per year for 2018, 2019, 2020 and 2021 for the 2021 Canada Summer Games. The bid for the games was awarded to Niagara in 2017, the funds will be targeted towards capital facility investments as detailed in report PRCS/CAO-320-2016. The \$320,000 annually has been included in the four year forecast.

Reprioritization of projects is ongoing to meet the Council adopted policy of containing the debt charges at approximately 10% of the City's total expenditures. As well, work

continues on the Asset Management Plan to ensure that the City will achieve a sustainable level of funding for all levels of infrastructure. Details of reprioritized capital projects are attached in Appendix 1 on page 23.

Financial Implications

The Capital Budget and Four Year Forecast allows the Corporation to address the capital needs of the Corporation. Financial implications are outlined within the report.

Relationship to Strategic Plan

Economic prosperity is supported by the availability of widely functional municipal infrastructure achieved through effective asset management and sustainable funding for capital works to optimize and renew infrastructure. The Capital Budget and Four Year Forecast as well as the introduction of the infrastructure levy and policy are key to ensuring the continued availability of functional municipal infrastructure.

Social Sustainability is achieved through the connection of people, places and neighbourhood's with the continued inclusion of active transportation infrastructure in the annual Capital Budget.

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CITY OF ST. CATHARINES
2018 CAPITAL BUDGET AND FOUR YEAR FORECAST
SUMMARY OF CAPITAL EXPENDITURES AND SOURCES OF FINANCING

1

	2018	2019	2020	2021	2022
CAPITAL EXPENDITURES:					
Parks, Recreation and Culture Services	\$3,185,000	\$2,034,000	\$2,620,000	\$2,200,000	\$2,395,000
Road Construction and Improvements	5,372,682	5,046,420	5,238,277	5,437,808	5,238,277
Storm Sewer and Separation	1,877,000	2,524,195	2,625,162	2,730,168	2,839,375
Regional Projects	0	2,622,561	220,000	230,000	280,000
Niagara District Airport	157,000				
Sidewalk/Walkway Construction	350,000	350,000	350,000	350,000	350,000
Shoreline Protection	100,000	100,000	30,000	110,000	110,000
Pollution Control	2,500,000	300,000	1,000,000	0	500,000
Federal Gas Tax funded programs	4,185,215	4,185,215	4,185,216	4,185,216	4,185,216
Building Improvements	1,761,500	1,220,000	1,800,000	880,000	2,440,000
Accessibility Programme	135,000	250,000	250,000	1,500,000	300,000
Development Charges			3,350,000	0	0
Fire Services	4,100,000	1,800,000	2,000,000	2,000,000	2,800,000
Watercourses	150,000	650,000	1,000,000	500,000	500,000
Bridges and Culvert	300,000	1,970,000	885,000	0	0
Parking Improvements	100,000	400,000	600,000	400,000	700,000
Corporate Infrastructure	900,000	1,330,000	700,000	500,000	500,000
	<u>\$25,173,397</u>	<u>\$24,782,391</u>	<u>\$26,853,655</u>	<u>\$21,023,193</u>	<u>\$23,137,867</u>
SOURCES OF FINANCING:					
Grants, Reserve Funds etc.	\$7,315,313	\$6,544,215	\$8,922,216	\$6,405,216	\$6,785,216
Capital Out of Revenue Fund	1,791,000	1,824,000	1,794,000	1,462,000	1,636,000
Net Debenture Amount	16,067,084	16,414,176	16,137,439	13,155,977	14,716,652
	<u>\$25,173,397</u>	<u>\$24,782,391</u>	<u>\$26,853,655</u>	<u>\$21,023,193</u>	<u>\$23,137,867</u>

CITY OF ST. CATHARINES
2018 CAPITAL BUDGET

DESCRIPTION	SCHEDULE	ESTIMATED GROSS COSTS	GRANTS, RESERVES ETC.	CAPITAL OUT OF REVENUE	NET DEBENTURE AMOUNT
<u>PARKS, RECREATION AND CULTURE SERVICES:</u>					
St Catharines Museum HVAC		900,000		90,000	810,000
Victoria Lawn Cemetery Admin Building - additional funds		450,000		45,000	405,000
Playground Equipment - Douglas Park		100,000	100,000		
Tennis/Basketball Courts - Pearson Park/Clifford's Creek Park		225,000	225,000		
Canada Summer Games		320,000		32,000	288,000
Arena Improvement Program, 2018		725,000		73,000	652,000
Bogart Street Splashpad - additional funds		65,000		7,000	58,000
Kiwanis Aquatic Centre - additional lighting		45,000		5,000	40,000
Tree Planting program		355,000	355,000	0	0
	SCHEDULE A	3,185,000	680,000	252,000	2,253,000
<u>ROAD CONSTRUCTION AND IMPROVEMENTS:</u>					
2018 Resurfacing Program		595,682		60,000	535,682
Downtown Street System Conversion		675,000		68,000	607,000
Gale Crescent - engineering services for design and EA		100,000		10,000	90,000
Henrietta/Ridley Traffic Management Plan		60,000		6,000	54,000
Highland Avenue Reconstruction		187,000		19,000	168,000
Lake Street - engineering services for design and EA		100,000		10,000	90,000
Merritt St EA/Design for future road improvements		100,000		10,000	90,000
Merritt St Guidedail FeasibilityStudy and Preliminary Design		80,000		8,000	72,000
Moffatt Street Reconstruction - additional funds-utility relocates		300,000		30,000	270,000
Race Street Parking Improvements		77,000		8,000	69,000
Rivercrest Drive - additional funds		170,000		17,000	153,000
Terry Lane Reconstruction - additional funds		30,000		3,000	27,000
Third Street Louth Road Improvements - additional funds		2,650,000	552,098	210,000	1,887,902
Traffic Signal Program		248,000	248,000	0	0
	SCHEDULE B	5,372,682	800,098	459,000	4,113,584
<u>STORM SEWER AND SEWER SEPARATION:</u>					
Francis Creek Drain Improvements-additional funds		1,037,000		104,000	933,000
Else Street - Storm Sewer Construction - additional funds		510,000		51,000	459,000
St George Street - Storm Sewer Construction - additional funds		20,000		2,000	18,000
Park Avenue - Storm Sewer Construction - additional funds		40,000		4,000	36,000
Yale Crescent Underground Improvements - additional funds		20,000		2,000	18,000
Admiral Rd/Park Ave Storm Sewers - additional funds		80,000		8,000	72,000
Glenwood Ave/South Dr Reconstruction - Engineering Services		70,000		7,000	63,000
2018 Catch Basin and Storm Service Installation		80,000		8,000	72,000
Maplewood Area Storm Sewer Study		20,000		2,000	18,000
	SCHEDULE C	1,877,000	0	188,000	1,689,000
<u>NIAGARA DISTRICT AIRPORT</u>					
2018 Municipal Working Capital Grant		157,000		16,000	141,000
	SCHEDULE D	157,000	0	16,000	141,000
<u>SIDEWALK CONSTRUCTION</u>					
2018 Sidewalk Construction Program		300,000		30,000	270,000
2018 Walkway Improvements		50,000	50,000	0	0
	SCHEDULE E	350,000	50,000	30,000	270,000
<u>REGIONAL PROJECTS - CITY SHARE</u>					
see Federal Gas Tax schedule		0	0	0	0
<u>POLLUTION CONTROL PLAN</u>					
Burligh Hill/Glendale Ave CSO control		2,500,000	1,000,000	150,000	1,350,000
	SCHEDULE F	2,500,000	1,000,000	150,000	1,350,000
<u>FEDERAL GAS TAX FUNDED PROJECTS</u>					
Active Transportation Infrastructure		400,000	400,000		
Water Distribution Improvements		1,728,215	1,728,215		
Local Roads and Bridges		140,000	140,000		
Wastewater Improvements		1,727,000	1,727,000		
Regional projects - cost share - Martindale Road		190,000	190,000		
	SCHEDULE G	4,185,215	4,185,215	0	0
<u>BUILDING IMPROVEMENTS</u>					
Buchanan House Security		50,000		5,000	45,000
City Hall - Council Chambers - microphones		25,000		3,000	22,000
Port Weller CC-renovate washrooms/accessible from exterior		600,000		60,000	540,000
Morningstar Mill - Grist Mill-repointing of mill - phase 2		250,000		25,000	225,000
Building Improvement Program, 2018		836,500	600,000	24,000	212,500
	SCHEDULE H	1,761,500	600,000	117,000	1,044,500
<u>ACCESSIBILITY PROGRAMMES</u>					
Victoria Lawn Cemetery Admin Building - additional funds		50,000		5,000	45,000
Port Weller CC-washroom accessibility		60,000		6,000	54,000
BBA preliminary design for accessibility upgrades		25,000		3,000	22,000
	SCHEDULE I	135,000	0	14,000	121,000
<u>WATERCOURSE REHABILITATION</u>					
Martindale Pond		150,000		15,000	135,000
	SCHEDULE J	150,000	0	15,000	135,000
<u>SHORELINE PROTECTION</u>					
2018 Shoreline Protection program		100,000		10,000	90,000
	SCHEDULE K	100,000	0	10,000	90,000
<u>BRIDGE AND CULVERT REHABILITATION</u>					
2018 Bridge Structural Maintenance		300,000		30,000	270,000
	SCHEDULE L	300,000	0	30,000	270,000
<u>FIRE SERVICES</u>					
Fire Radio Program - Communications upgrade - phase 2		4,100,000		410,000	3,690,000
	SCHEDULE M	4,100,000	0	410,000	3,690,000
<u>PARKING SERVICES</u>					
Carlisle Street Garage-top floor concrete repairs		50,000		5,000	45,000
Carlisle Street Garage - membrane repairs		50,000		5,000	45,000
	SCHEDULE N	100,000	0	10,000	90,000
<u>CORPORATE INFRASTRUCTURE</u>					
Document Management System and Record Management		100,000		10,000	90,000
Telephone System-Cs 1000 Switches to Avaya CM servers		180,000		18,000	162,000
Network/Server Infrastructure		500,000		50,000	450,000
Mobile Services		60,000		6,000	54,000
Online Payment Processing		60,000		6,000	54,000
	SCHEDULE O	900,000	0	90,000	810,000
<u>ST CATHARINES TRANSIT COMMISSION</u>					
no 2018 projects		0	0	0	0
TOTAL 2018 CAPITAL BUDGET		\$25,173,397	\$7,315,313	\$1,791,000	\$16,067,084

2018 CAPITAL BUDGET**SCHEDULE A****Project:****PARKS, RECREATION AND CULTURE SERVICES****Project Description:**

Parks, Recreation and Culture Services major capital projects generally are included in the Capital Budget.

Project Details:

<u>Area</u>		<u>Gross Cost</u>
1 Arena Improvement Program, 2018		
Bill Burgoyne Arena	Compressor 1	65,000
	Compressor 2 motor	75,000
	Electrical Panel/Controls	100,000
	Install Door to isolate bowl from changerooms	100,000
	Install Puck Netting	45,000
Merritton Arena	Dehumidifier	40,000
Seymour Hannah Sportsplex	Dehumidification system upgrade for pads 1 and 2 phase 1	300,000
2 St Catharines Museum HVAC		900,000
3 Victoria Lawn Cemetery Administration Building - additional funds		450,000
4 Playground Equipment upgrade -Douglas Park		100,000
5 Tennis Court/Basketball Court - Pearson Park/Clifford's Creek Park		225,000
6 Canada Summer Games commitment - year 1 of 4		320,000
7 Bogart Street splashpad - additional funds		65,000
8 Kiwanis Aquatic Centre - additional lighting		45,000
9 Tree Planting Program		355,000
		<u>\$3,185,000</u>
<u>Funding Sources:</u>		
Capital Out of Revenue (10%)		\$251,000
Infrastructure levy		680,000
Debentures		2,254,000
		<u>\$3,185,000</u>

Infrastructure Levy Projects:

Playground Equipment upgrade	\$100,000
Tennis Court/Basketball court upgrades	225,000
Tree Planting	355,000
	<u>\$680,000</u>

2018 CAPITAL BUDGET**SCHEDULE B****Project:****ROAD CONSTRUCTION AND IMPROVEMENTS****Objectives:**

To ensure safe vehicular and pedestrian passage at all times along the 562 km of municipal roadways.

Policy:

To maintain an average pavement condition rating of 75 which was approved by City Council.

Project Description:

The present average pavement condition is 68.7. In order to achieve the target condition of 75 in 10 years, an expenditure increase over the next 10 years is required in accordance with the recommended program of Pavement Management System.

Project Details:

<u>Location</u>	<u>Project Number</u>	<u>From</u>	<u>To</u>	<u>Gross Cost</u>
1. Municipal Services Imprvmnts 2018 Resurfacing Program Pelham Road Queenston Street various streets	P18-080	Nash Street Page Street	Kent Street Eastchester Avenue	\$595,682
2. Municipal Services Imprvmnts Downtown Street System Conversion Church Street Geneva Street Niagara Street Queenston Street St Paul Street	P16-065	Niagara Street Church Street Geneva Street Geneva Street Geneva Street	King Street St Paul Street Church Street Riordon Street Court Street	675,000
3. Engineering Services for an EA/Design Gale Crescent Road Improvements		Geneva Street	Oakdale Avenue	100,000
4. Traffic Management Study	ST18-12	Ridley Road Neighbourhood Traffic Management Study		60,000
5. Municipal Services Imprvmnts Highland Avenue Reconstruction Ridgewood Road	P17-064	Ridgewood Road Highland Avenue	Rockcliffe Road Riverdale Avenue	187,000
6. Engineering Services for an EA/Design Lake Street		Welland Avenue	Queen Street	100,000
7. Engineering Services for an EA/Design Merritt Street Road Improvements Merritt Street		Almond Lane	Walnut Street	100,000
8. Feasibility Study and Preliminary Design Merritt Street Guiderail Merritt Street		Ball Avenue East	Ball Avenue West	80,000
9. Utility Relocation - additional funds Moffatt Street Reconstruction Moffatt Street	P15-066	North Limit	South Limit	300,000
10. Race Street Parking Improvements Race Street		McGuire Street	Carlisle Street	77,000
11. Municipal Services Imprvmnts - additional funds Rivercrest Drive	P13-067	Riverview Boulevard	Hillside Drive	170,000
12. Municipal Services Imprvmnts - additional funds Terry Lane Reconstruction	P17-068	Shelley Avenue	Graham Avenue	30,000
13. Municipal Services Imprvmnts Third Street Louth Road Improvements	P15-067	South Service Road	Third Avenue	2,650,000
10. Traffic Signal Replacement Program		tbd		208,000
		Pedestrian Signal - Vine Street		40,000
				\$5,372,682

Funding Sources:

Capital Out of Revenue (10%) Downpayment	\$459,000
Infrastructure Levy	248,000
Provincial Grant - Ontario Commuter Cycling Fund	552,098
Debenture	4,113,584
	\$5,372,682

2018 CAPITAL BUDGET**SCHEDULE C****Project:****STORM SEWER AND SEWER SEPARATION****Objectives:**

To provide storm water drainage with a dedicated storm sewer system .
To prevent unnecessary damage to private and public property.

Policy:

To have a separate sewer system for sanitary and storm sewers.
To separate the combined sewer system. The City presently has 570 km of Sanitary sewers and combined sewers, and 403 km of Storm Sewers.

Project Description:

The proposed projects are based on recommended priority flood relief and sewer separation works as detailed in various storm drainage studies and on complaints by residents. In addition, storm sewers are recommended to provide drainage outlets for certain areas.

Project Details:

<u>Location</u>	<u>Project Number</u>	<u>From</u>	<u>To</u>	<u>Gross Cost</u>
1. Catchbasin and Storm Service Installations	P18-006	Various		\$80,000
Municipal Services Improvements				
2 Francis Creek Drain Improvements	P15-007	Ridley Road	30m north of Fourth Avenue	1,037,000
3 Else Street	P16-003	Linwell Road	Scott Street	510,000
4 St George Street	P16-063	Dieppe Road	Facer Street	20,000
5 Park Avenue	P16-104	Cedardale Avenue	Seymour Avenue	40,000
6 Yale Crescent	P17-009	Vine Street	Berryman Avenue	20,000
7 Admiral/Park Admiral Road Park Avenue	P17-020	Ferndale Avenue Admiral Road	Park Avenue Rockwood Avenue	80,000
8 Glenwood/South Engineering Services Glenwood Avenue South Drive	P17-063	Rockcliffe Road Cliff Road	End Rockcliffe Road	70,000
9 Maplewood Area Storm Sewer Study	ST18-11	Maplewood Dr and surrounding area		20,000
				<u>\$1,877,000</u>

Funding Sources:

Capital Out of Revenue (10%) Downpayment	\$188,000
Regional Niagara - CSO funding	0
Debentures	1,689,000
	<u>\$1,877,000</u>

2018 CAPITAL BUDGET**SCHEDULE D****Project:****NIAGARA DISTRICT AIRPORT****Project Description:**

2018 Municipal Working Capital Grant
City's commitment to annual capital improvements

Project Details:

<u>Area</u>	<u>Gross Cost</u>
1 2018 Municipal Working Capital Grant	\$157,000
Fire Hydrant Line - East Apron	
Fence - East Apron	
Crack Sealing	
Kubota Drive on Mower	
Fence - 06 Threshold	
Security Cameras	
	<u>\$157,000</u>
<u>Funding Sources:</u>	
Capital Out of Revenue (10%)	\$16,000
Debentures	141,000
	<u>\$157,000</u>

2018 CAPITAL BUDGET**SCHEDULE E****Project:****SIDEWALK CONSTRUCTION****Objectives:**

1. To Provide pedestrian and vehicular traffic separation where warranted.
2. To Provide safe and continuous pedestrian routes from residential areas to schools, parks, shopping centres, etc. in the area.

Policy:

The provision of sidewalks on:
Both sides of all roads regardless of designation

Project Description:

The locations recommended for new sidewalk construction are based on:
 1. Association with City and Regional road reconstruction.
 2. Transit full accessibility locations.
 3. Petitions from area residents.
 4. Other priority sidewalks.

Project Details:

<u>Location</u>	<u>From</u>	<u>To</u>	<u>Gross Cost</u>
<i>Municipal Services Improvements</i>			
1 2018 Sidewalk Construction program	Priority locations		\$230,000
2 Burleigh Hill/Glendale Ave Burleigh Hill Drive	Glendale Avenue	Warkdale Drive	40,000
3 Race Street Parking Improvements	McGuire Street	Carlisle Street	30,000
4 2018 Walkway Improvement Program	Priority locations		50,000
			<u>\$350,000</u>

Funding Sources:

Capital out of Revenue (10%)	\$30,000
Infrastructure Levy	50,000
Debentures	270,000
	<u>\$350,000</u>

Infrastructure Levy Projects:

2018 Walkway Improvement Program	<u>\$50,000</u>
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2018 CAPITAL BUDGET**SCHEDULE F****Project:****POLLUTION CONTROL PLAN****Project Description:**

To improve sewer system responsiveness during extreme rainfall occurrences which will reduce occurrences of basement flooding.

Policy:

To implement sewers system optimization and combined sewer overflows (CSO) abatement to improve responsiveness to extreme rainfall occurrences.

Project Details:

Remedial works will address sewer system optimization and CSO control based on studies monitoring sewage flows.

	<i>Location</i>	<i>Project No.</i>	<i>Gross Cost</i>
1	Burleigh Hill/Glendale Avenue CSO Control	P13-019 Glengarry Park CSO storage facility and inlet sewer	2,500,000
			<u>\$2,500,000</u>

Funding Sources:

Capital Out of Revenue (10%) Downpayment	\$150,000
Regional CSO funding	1,000,000
Debentures	1,350,000
	<u>\$2,500,000</u>

Projects applying for Regional Niagara CSO Management Action Plan funding:

Burleigh Hill/Glendale Ave CSO control	<u>1,000,000</u>
	<u>\$1,000,000</u>

2018 CAPITAL BUDGET**SCHEDULE G****Project:****FEDERAL GAS TAX FUNDED PROJECTS****Objectives:**

To use Federal Gas Tax funds to fund incremental capital projects which result in increased investment in environmentally sustainable municipal infrastructure

Policy:

To adhere to the Federal funding guidelines while establishing priorities that address the municipal infrastructure shortfall.

Project Description:

The proposed 2018 projects include investments in the Active Transportation Network, wastewater improvements and continued investment in the watermeter replacement program

Project Details:

		Gross Cost
1 Active Transportation Infrastructure	Third Street Louth from SSR to Third Avenue	\$250,000
	St David's Road Multi Use Path	150,000
2 Water Distribution		
Water Meter Replacement Program	Year 5 of a multi year program to replace existing water meters to AMRs	1,000,000
Champa Drive	Engineering Services-replacement of existing watermain	35,000
Rendale Avenue	Engineering Services-replacement of existing watermain	50,000
Smythe Street	Watermain Replacement	185,000
Burleigh Hill Drive	Watermain Replacement	458,215
3 Local Roads and Bridges		
Dunkirk Road bridge (South Service Road)	Detailed design	80,000
Third Avenue Louth bridge	Engineering services	60,000
4 Wastewater/Stormwater Improvements		
Terry Lane	Sanitary Sewer Replacement	70,000
Greenwood/Beatrice - additional funds	Sanitary Sewer Replacement	410,000
Burness Drive	Sanitary Sewer Replacement	495,000
Hartzel Rd - additional funds	Storm Sewer Replacement	485,000
Roger/Sharon - additional funds	New Storm Sewer/Urbanized Roadway	267,000
5 Regional cost share - Martindale Rd	Existing sidewalk repairs/sanitary sewer repairs	190,000
		<u>\$4,185,215</u>

Funding Sources:

Federal Gas Tax Funding

\$4,185,215

2018 CAPITAL BUDGET**SCHEDULE H****Project:****BUILDING IMPROVEMENTS****Objectives:**

Rehabilitation of existing City properties based on Building Condition Assessments

Project Description:

<u>Title</u>	<u>No.</u>	<u>Gross Cost</u>
1 City Hall	Remove asbestos and repair 3rd floor hallway Council Chambers - Microphone replacement	\$75,000 25,000
2 Buchanan House	Repair floor drains in basement Implement Security	40,000 50,000
3 Carlisle Street Parking Garage	Stairwells- crack repairs Install 2" high flow water line for cleaning	15,000 30,000
4 Market Square Building	Reseal and coat concrete floor Lighting conversion to LED	60,000 50,000
5 Firehall #1	Replace and level garage floor slab	40,000
6 2018 Arena Improvement Program		
Merritton Arena	Replace head cooling pump/condensor pump	20,000
Merritton Arena	Install electrical outlet at rear of facility	1,500
Merritton Arena	Resurface Ice Resurfacer access area and snow melt area	50,000
Seymour Hannah	Replace sprinkler valves	35,000
Seymour Hannah	Replace netting Rink 1	50,000
Seymour Hannah	Install battery packs on Ice Resurfacer OH doors	20,000
GCA	Replace damaged rubber flooring (1600sf)	40,000
GCA	Install CO sensors in public areas	10,000
7 Happy Rolph's Bird Sanctuary	Screening for animal pens and sun protection	30,000
8 Kiwanis Aquatic Centre	RegROUT Deck Install VFD on HVAC unit	90,000 30,000
9 Montebello Park	Pavillion Roof replacement	60,000
10 St Catharines Municipal Golf Course	Old Clubhouse roof replacement	15,000
11 Port Weller Community Centre	Update and add parking lot lighting Washroom renovations - make accessible from exterior	50,000 600,000
12 Victoria Lawn Cemetery	Demolish old Administration building	25,000
13 Morningstar Mill	Grist Mill repointing - phase 2	250,000
		<u>\$1,761,500</u>

Funding Sources:

Capital Out of Revenue (10%) Downpayment	\$117,000
Reserve Funding	600,000
Debentures	1,044,500
	<u>\$1,761,500</u>

2018 CAPITAL BUDGET**SCHEDULE I****Project:****Accessibility Programmes****Project Objective:**

The Accessibility Plan is intended to identify, remove and prevent all barriers that may impede residents and visitors from accessing and using municipal services

Project Description:

Building Improvements as determined by the Accessibility Plan

Project Details:

<u>Location</u>		<u>Gross Cost</u>
1	Victoria Lawn Cemetery Administration Building - accessibility funds - additional funds	\$50,000
2	Port Weller Community Centre Washroom accessibility	60,000
3	Bill Burgoyne Arena - preliminary design for accessibility upgrades	25,000
		<u>\$135,000</u>
<u>Funding Sources:</u>		
Capital Out of Revenue (10%) Downpayment		\$14,000
Debenture		121,000
		<u>\$135,000</u>

2018 CAPITAL BUDGET**SCHEDULE J**

Project: **WATERCOURSE REHABILITATION**

Project Description: *Rehabilitation of the City's watercourses*

Project Details:

<u>Location</u>	<u>Project Number</u>	<u>From</u>	<u>To</u>	<u>Gross Cost</u>
1 Watercourse Rehabilitation, 2018 additional funds		Martindale Pond near Lakeport Road to address identified deficiencies in stop logs and abutments		\$150,000
				<u>\$150,000</u>

Funding Sources:

Capital Out of Revenue	\$15,000
Debenture	135,000
	<u>\$150,000</u>

2018 CAPITAL BUDGET**SCHEDULE K****Project:****SHORELINE PROTECTION****Objectives:***To protect shorelines from erosion***Policy:***To maintain and improve shoreline protection structures on public lands***Project Description:***The proposed project is to undertake a City wide review of existing infrastructure and unprotected sites along Lake Ontario shoreline. The City has 2,760 metres of shoreline protection structures and 1,920 metres of unprotected City owned lands***Project Details:**

<u>Location</u>	<u>Project Number</u>	<u>From</u>	<u>To</u>	<u>Gross Cost</u>
1. Shoreline Protection Program 2018		to undertake Citywide review of existing infrastructure and unprotected sites along the lake Ontario shoreline		\$100,000
				<u>\$100,000</u>

Funding Sources:*Capital Out of Revenue
Debenture*

\$10,000
<u>90,000</u>
<u>\$100,000</u>

2018 CAPITAL BUDGET**SCHEDULE L****Project:****BRIDGE AND CULVERT REHABILITATION PROGRAM****Project Description:**

2018 Bridge Structural Maintenance

Project Details:

		Gross Cost
1 2018 Bridge Structural Maintenance		<u>\$300,000</u>
Merritt Trail *		
* Second Welland Canal at Lock 21	removal of disused structure	
* Second Welland Canal at Lock 10	Repairs to existing pedestrian bridge to address identified deficiencies	
* Second Welland Canal at Lock 8	Repairs to existing pedestrian bridge to address identified deficiencies	
Trillium Railway at CN	removal of disused structure	
Old Martindale Rd	Repairs to existing pedestrian bridge to address identified deficiencies	
<u>Funding Sources:</u>		
Capital Out of Revenue (10%)		\$30,000
Debentures		270,000
		<u>\$300,000</u>

2018 CAPITAL BUDGET**SCHEDULE M**

Project: *Fire Services Infrastructure*

Project Description: *Radio Console Systems Upgrade*

Project Details:

<u>Location</u>	<u>Project Number</u>	<u>Description</u>	<u>Gross Cost</u>
1 Fire Hall #1 - radio systems upgrade Phase 2		Radio Console System Upgrade Technology integration with NRPS	\$4,100,000
			<u>\$4,100,000</u>

Funding Sources:

Capital Out of Revenue (10%) Downpayment	\$410,000
Debenture	3,690,000
	<u>\$4,100,000</u>

2018 CAPITAL BUDGET**SCHEDULE N****Project:****PARKING SERVICES****Project Description:**

*Parking Services General Building Improvements
Various locations*

Project Details:

<u>Location</u>		<u>Gross Cost</u>
1	Carlisle Street Parking Garage Concrete Repairs on top floor	\$50,000
2	Carlisle Street Parking Garage Membrane Repairs	50,000
		<u>\$100,000</u>

Funding Sources:

*Capital out of revenue
Debenture*

<i>\$10,000</i>
<i>90,000</i>
<u><u>\$100,000</u></u>

2018 CAPITAL BUDGET**SCHEDULE O****Project:****CORPORATE INFRASTRUCTURE****Project Description:***Corporate Infrastructure Technology Upgrades***Project Details:**

<i>Project No.</i>	<i>Gross Cost</i>
1. Document Management System and Record Management	\$100,000
2 Telephone System - Cs 1000 switches to Avaya CM servers	180,000
3 Technology Hardware improvements <i>Network/Server Infrastructure</i>	500,000
4 Mobile Services	60,000
5 On Line Payment Processing	60,000
	<hr/>
	<u>\$900,000</u>

Funding Sources:

Capital Out of Revenue (10%) Downpayment
Debentures

<i>\$90,000</i>
<i>810,000</i>
<hr/>
<u>\$900,000</u>

**CITY OF ST. CATHARINES
2019 CAPITAL FORECAST**

DESCRIPTION	ESTIMATED GROSS COSTS	GRANTS, RESERVES ETC.	RECOVERIES FROM OTHER FUNDS	NET DEBENTURE AMOUNT
<u>PARKS, RECREATION AND CULTURE SERVICES:</u>				
St Catharines Museum roof replacement	225,000		23,000	202,000
Playground Equipment - location tbd	89,000	89,000		
Basketball Court upgrades - location tbd	225,000	225,000		
Canada Summer Games	320,000		32,000	288,000
Arena Improvement Program, 2019	800,000		80,000	720,000
Tree Planting program	375,000	375,000	0	0
	<u>2,034,000</u>	<u>689,000</u>	<u>135,000</u>	<u>1,210,000</u>
<u>ROAD CONSTRUCTION AND IMPROVEMENTS:</u>				
2019 Priority Program	5,046,420	250,000	480,000	4,316,420
<u>STORM SEWER AND SEWER SEPARATION:</u>				
2019 Priority Program	2,524,195	550,000	197,000	1,777,195
<u>REGIONAL PROJECTS - CITY SHARE</u>				
see Federal Gas Tax schedule	2,622,561		262,000	2,360,561
	<u>2,622,561</u>	<u>0</u>	<u>262,000</u>	<u>2,360,561</u>
<u>NEW SIDEWALK CONSTRUCTION</u>				
2019 Priority Program	300,000		30,000	270,000
2019 Walkway Improvements	50,000	50,000	0	0
	<u>350,000</u>	<u>50,000</u>	<u>30,000</u>	<u>270,000</u>
<u>SHORELINE PROTECTION:</u>				
2019 priority program	100,000	50,000	5,000	45,000
	<u>100,000</u>	<u>50,000</u>	<u>5,000</u>	<u>45,000</u>
<u>POLLUTION CONTROL AND BASEMENT FLOODING</u>				
2019 Program	300,000	120,000	18,000	162,000
	<u>300,000</u>	<u>120,000</u>	<u>18,000</u>	<u>162,000</u>
<u>FEDERAL GAS TAX FUNDED PROJECTS</u>				
Active Transportation Infrastructure	250,000	250,000		
Local Roads and Bridges-Pelham Rd Bridge	1,500,000	1,500,000		
Water Distribution-water meter replacement	1,000,000	1,000,000		
Community Energy Systems-Ontario St garage lighting	300,000	300,000		
Regional projects - cost share - Ontario Street	1,135,215	1,135,215		
	<u>4,185,215</u>	<u>4,185,215</u>	<u>0</u>	<u>0</u>
<u>BUILDING IMPROVEMENTS</u>				
Robertson School - Annex Windows	120,000		12,000	108,000
City Hall - window replacement	250,000		25,000	225,000
Building Improvement Program, 2019	850,000	650,000	20,000	180,000
	<u>1,220,000</u>	<u>650,000</u>	<u>57,000</u>	<u>513,000</u>
<u>ACCESSIBILITY PROGRAMMES</u>				
2019 Accessibility Program	250,000		25,000	225,000
	<u>250,000</u>	<u>0</u>	<u>25,000</u>	<u>225,000</u>
<u>WATERCOURSES</u>				
2019 Watercourse Program	650,000		65,000	585,000
	<u>650,000</u>		<u>65,000</u>	<u>585,000</u>
<u>BRIDGES AND CULVERTS</u>				
2019 program	1,970,000		197,000	1,773,000
	<u>1,970,000</u>		<u>197,000</u>	<u>1,773,000</u>
<u>FIRE SERVICES</u>				
Fire Tower Replacement	1,800,000		180,000	1,620,000
	<u>1,800,000</u>		<u>180,000</u>	<u>1,620,000</u>
<u>PARKING SERVICES</u>				
Race Street parking lot rehabilitation	350,000		35,000	315,000
Carlisle Garage Membrane repairs	50,000		5,000	45,000
	<u>400,000</u>	<u>0</u>	<u>40,000</u>	<u>360,000</u>
<u>CORPORATE INFRASTRUCTURE</u>				
Telephone Infrastructure	200,000		20,000	180,000
Network/Server Infrastructure	600,000		60,000	540,000
Wireless update	100,000		10,000	90,000
Digital Signage update	80,000		8,000	72,000
Website	350,000		35,000	315,000
	<u>1,330,000</u>	<u>0</u>	<u>133,000</u>	<u>1,197,000</u>
TOTAL 2019 CAPITAL FORECAST	<u>\$24,782,391</u>	<u>\$6,544,215</u>	<u>\$1,824,000</u>	<u>\$16,414,176</u>

CITY OF ST CATHARINES POTENTIAL CAPITAL PROJECTS

The list below includes the various capital projects that will require capital replacement or upgrades in years six through ten. This is not an exhaustive list. These projects have been listed without dollar amounts as the full scope of the capital needs is not yet completely assessed by Staff. Additionally, an estimate is less reliable the further out the year. Not included on the list are the regular on-going annual replacements to roads, sidewalks, sanitary sewers, watermains and park amenities.

CAPITAL PROJECTS 2023 and beyond

Arena Complex - with Brock University and City of Thorold

Arena Upgrades - Ice Plants, Bleachers, Other

City Facilities - parking lot upgrades

City's Operational Fleet - vehicle yard

Civic Square

Destination Pool

Firehall #1 Rehabilitation

Firehall #2 Replacement

Firehall #3 Replacement

Fire Master Plan Recommendations

Old Courthouse - meeting FAD standards

Park Amenities - Infrastructure Deficit

Pollution Control - various tanks

Port Dalhousie Pier - upgrades beyond DFO works

Port Weller Community Centre - meeting FAD standards

Road and Drainage Improvements - infrastructure deficit

Robertson School - meeting FAD standards

Transportation Master Plan - action items

Watercourses - currently unfunded deficiencies

Watermain improvements - infrastructure deficit

City of St Catharines
Infrastructure Levy projects
2018 capital budget

<u>Department</u>	<u>Amount</u>
Parks, Recreation and Culture	
Playground equipment - Douglas Park	\$100,000
Tennis/Basketball Court - Pearson Park/Clifford's Creek Park	225,000
Tree planting	355,000
 Traffic Signal Replacement Program	 208,000
Pedestrian Signal - Vine Street	40,000
 Sidewalk Construction	
2018 Walkway Improvements	50,000
	<u>\$978,000</u>

Uncommitted funds will remain in the reserve for use in future years.
The funds are also available for use as matching dollars for Federal or
Provincial Infrastructure funding programs.

CITY OF ST. CATHARINES
2018 UPDATED DEBT AND ANNUAL REPAYMENT LIMIT

2018 Debt and Financial Obligation Limit (based on 2016 FIR):

Calculation of Debt Charges:

Total Principal	10,340,020
Total Interest	3,619,486
	\$13,959,506

Less:

Tile Drainage and Shoreline Assistance

NET DEBT CHARGES	<u>\$13,959,506</u>
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Calculation of Annual Repayment Limit:

Total Revenue Fund Revenue (sch10 9910)	\$174,398,626
Tile Drainage and Shoreline Assistance (SLC 12 1850 04)	0
Ontario Grants (SLC 10 0699 01+SLC 10 0810 01+ SLC10 0815 01)	(1,530,013)
Canada Grants (SLC 10 0820 01+SLC 10 0825 01)	(151,003)
Deferred Revenue Earned (Provincial Gas Tax) (SLC 10 830 01)	(3,046,965)
Deferred Revenue Earned (Canada Gas Tax) (SLC 10 831 01)	(3,385,803)
Other Municipalities including revenue for TCA (SLC 10 1098 01+SLC 101099 01)	(3,921,202)
Gain/Loss on sale of land & capital assets (SLC 10 1811 01)	(451,256)
Deferred revenue earned (Development Charges) (SLC 10 1812 01)	0
Deferred revenue earned (Recreation Land(the planning act) (SLC 10 1813 01)	(388,809)
Donated Tangible Capital Assets (SLC 53 0610 01)	0
Other Deferred revenue earned (SLC 10 1814 01)	(29,793)
Increase/Decrease in Gov't Business Enetrprise equity (SLC 10 1905 01)	(2,582,228)

NET REVENUE FUND REVENUES	<u>\$158,911,554</u>
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25% OF NET REVENUE FUND REVENUE	<u>\$39,727,889</u>
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Adjustments to Annual Repayment Limit:

ANNUAL REPAYMENT LIMIT UNDER REGULATION	<u>\$25,768,383</u>
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2017 Unfinanced Capital Projects	\$42,900,261
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Capitalized Annual Repayment

Years 10

Rate 7.00%

Factor 0.14237750 (6,108,032)

Annual Repayment Limit under Regulation	25,768,383
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ADJUSTED ANNUAL REPAYMENT LIMIT	<u>19,660,350</u>
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Remaining Debt Capacity

Capitalized Debt Capacity	138,086,075
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2018 Capital Budget	(16,068,084)
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REMAINING DEBT CAPACITY	<u>\$122,017,991</u>
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CITY OF ST CATHARINES
2017 UNFINANCED CAPITAL PROJECTS

2017 UNFINANCED CAPITAL PROJECTS/UNISSUED DEBT

Lakeside Skating Path	225,000
Arenas Improvement Program	2,450,856
Pearson Park	24,000
Happy Rolph's Bird Sanctuary	45,000
Lock III Complex	315,000
Senior and Community Centres	567,000
RCS Buildings - various	957,000
Lancaster Park - Diamond 1 washroom accessibility	45,000
Lakeside Park Improvements	810,000
Cemetery Buildings - Improvements	1,277,000
Heritage Buildings Restoration	3,392,500
TES/PRCS Operations Consolidation	1,368,000
Road Construction and Improvements	9,356,222
Storm Sewer and Separation	6,759,111
Watermains	1,358,944
Regional Projects - City's Share	131,200
Development Charges	46,028
Local Improvements	114,000
Fire	4,203,000
Pollution Control Plan	3,755,400
New Sidewalks	1,210,000
Watercourse Rehabilitation	454,000
Corporate Infrastructure	2,286,000
Parking Operations	1,750,000

2017 UNFINANCED CAPITAL PROJECTS

\$42,900,261

2017 CAPITAL BUDGET AND FOUR YEAR FORECAST vs 2018 CAPITAL BUDGET AND FOUR YEAR FORECAST

SUMMARY OF CAPITAL EXPENDITURES

	2018			2019			2020			2021		
	2017 Forecast	2018 Forecast	Variance \$	2017 Forecast	2018 Forecast	Variance \$	2017 Forecast	2018 Forecast	Variance \$	2017 Forecast	2018 Forecast	Variance \$
CAPITAL EXPENDITURES:												
Parks, Recreation and Culture Services	\$2,370,000	\$3,185,000	\$815,000	\$2,320,000	\$2,034,000	(\$286,000)	\$3,200,000	\$2,620,000	(\$580,000)	\$2,015,000	\$2,200,000	\$185,000
Road Construction and Improvements	\$4,861,942	\$5,372,682	\$510,740	\$5,046,420	\$5,046,420	\$0	\$5,238,277	\$5,238,277	\$0	\$5,238,277	\$5,437,808	\$199,531
Storm Sewer and Separation	2,427,111	\$1,877,000	(\$550,111)	\$2,524,194	2,524,195	\$1	\$2,524,195	\$2,625,162	\$100,967	\$2,839,375	\$2,730,168	(\$109,207)
Regional Projects	\$729,784		(\$729,784)	\$220,000	\$2,622,561	\$2,402,561	\$230,000	\$220,000	(\$10,000)	\$280,000	\$230,000	(\$50,000)
Niagara District Airport		\$157,000	\$157,000									\$0
Sidewalk/Walkway Construction	\$350,000	\$350,000	\$0	\$350,000	\$350,000	\$0	\$350,000	\$350,000	\$0	\$350,000	\$350,000	\$0
Shoreline Protection	\$100,000	\$100,000	\$0	\$30,000	\$100,000	\$70,000	\$110,000	\$30,000	(\$80,000)	\$110,000	\$110,000	\$0
Pollution Control	\$1,000,000	\$2,500,000	\$1,500,000	\$1,000,000	\$300,000	(\$700,000)		\$1,000,000	\$1,000,000	\$500,000		\$0
Heritage Building Rehabilitation									\$0			
Federal Gas Tax funded programs	\$4,185,216	\$4,185,215	(\$1)	\$4,185,216	\$4,185,215	(\$1)	\$4,185,216	\$4,185,216	\$0	\$4,185,216	\$4,185,216	\$0
Building Improvements	\$1,120,000	\$1,761,500	\$641,500	\$1,800,000	\$1,220,000	(\$580,000)	\$2,283,000	\$1,800,000	(\$483,000)	\$2,440,000	\$880,000	(\$1,560,000)
Accessibility Programme	\$250,000	\$135,000	(\$115,000)	\$250,000	\$250,000	\$0	\$1,500,000	\$250,000	(\$1,250,000)	\$300,000	\$1,500,000	\$1,200,000
Development Charges				\$3,350,000		(\$3,350,000)	\$2,370,000	\$3,350,000	\$980,000			\$0
Fire Services	\$4,200,000	\$4,100,000	(\$100,000)	\$1,500,000	\$1,800,000	\$300,000	\$160,000	\$2,000,000	\$1,840,000	\$2,800,000	\$2,000,000	(\$800,000)
Watercourses	\$150,000	\$150,000	\$0	\$650,000	\$650,000	\$0	\$1,000,000	\$1,000,000	\$0	\$500,000	\$500,000	\$0
Bridges and Culvert	\$485,000	\$300,000	(\$185,000)	\$1,970,000	\$1,970,000	\$0	\$885,000	\$885,000	\$0			\$0
New Buildings							\$0					
Parking Improvements	\$50,000	\$100,000	\$50,000	\$450,000	\$400,000	(\$50,000)	\$400,000	\$600,000	\$200,000	\$700,000	\$400,000	(\$300,000)
Corporate Infrastructure	\$900,000	\$900,000	\$0	\$980,000	\$1,330,000	\$350,000	\$700,000	\$700,000	\$0	\$500,000	\$500,000	\$0
St. Catharines Transit Commission	\$2,000,000	\$0	(\$2,000,000)			\$0			\$0			\$0
	\$25,179,053	\$25,173,397	-\$5,656	\$26,625,830	\$24,782,391	-\$1,843,439	\$25,135,688	\$26,853,655	\$1,717,967	\$22,757,868	\$21,023,192	-\$1,234,676

Projects Added/Increased

VLC Admin Building Increased	\$	450,000
Arena Improvement Program Increased	\$	325,000
Kiwanis Aquatic Center Lighting - Added	\$	45,000
Bogart Street Splash Pad Increased	\$	65,000
Road Program Increased	\$	510,740
Niagara District Airport - Added	\$	157,000
Pollution Glendale Ave CSO Control Added	\$	1,500,000
Microphones - Council Chambers Added	\$	25,000
Port Weller CC - Washroom Renos Added	\$	600,000
Morningstar Mill Grist Mill Phase 2 Added	\$	250,000
Carlisle Garage Concrete Repairs Added	\$	50,000
	\$	3,977,740

Projects Added/Increased

Arena Improvement Program Added	\$	800,000
Playground Equipments Increased	\$	114,000
Basketball Courts Increased	\$	75,000
Regional Projects City Share Increase	\$	352,561
Pelham Road Bridge Added	\$	1,500,000
Active Transport. Infrastructure Added	\$	250,000
Ont. St. Garage Lighting Added	\$	300,000
Fire Tower Replacement Increased	\$	300,000
Shoreline Protection Increased	\$	70,000
Corporate Website Added	\$	350,000
	\$	4,111,561

Projects Added/Increased

Port Lions Pool Changerooms Added	\$	550,000.00
Playground Equipment Increased	\$	80,000
Basketball Court Upgrades Increased	\$	75,000
Arena Improvement Program Added	\$	1,000,000
Storm Sewer and Separation Increased	\$	100,967
Pollution Control Added	\$	1,000,000
Development Charges Increased	\$	980,000
Fire Services Increased	\$	1,840,000
Network Server Infrastructure Added	\$	200,000
	\$	5,825,967

Projects Added/Increased

Arena Improvement Program Added	\$	500,000
Russell Ave. CC Repairs Added	\$	660,000
Port Dalhousie Snrs Bldg Retrofit Added	\$	100,000
Road Construction and Improvements Increased	\$	199,531
Accessibility - Old Courthouse Elevator Added	\$	1,200,000
	\$	2,659,531

Projects Deferred/Reduced

Tree Planting Program Reduced	\$	20,000
Tennis Courts Reduced	\$	50,000
Storm Sewer and Separation Reduced	\$	550,111
Regional Projects Reduced	\$	729,785
Buchanan House Security Reduced	\$	100,000
Building Improvement Program Reduced	\$	13,500
Building Improvements Completed	\$	120,000
Accessibility Program Reduced	\$	115,000
Fire Training Tower Design Deferred	\$	100,000
Bridges and Culverts Reduced	\$	185,000
St. Catharines Transit - No Projects	\$	2,000,000
	\$	3,983,396
	\$	(5,656)

Projects Deferred/Reduced

Port Weller CC Washrooms - 2018 Proj	\$	250,000
Tree Planting Program Reduced	\$	25,000
Jaycee Park Lot and Driveway Deferred	\$	700,000
Lakeside Park Landscape Deferred	\$	300,000
Building Improvements Reduced	\$	580,000
Pollution Control Reduced	\$	700,000
Development Charges Reduced	\$	3,350,000
Carlsisle Garage Repairs - 2018 Proj	\$	50,000
	\$	5,955,000
	\$	(1,843,439)

Projects Deferred/Reduced

Russell Ave CC Repairs Deferred	\$	660,000
Port Dalhousie Snrs Bldg Retrofit Deferred	\$	100,000
Tree Planting Program Reduced	\$	25,000
GCA - Demolition Deferred	\$	1,000,000
Berkeley Park Fields and Lighting Deferred	\$	200,000
Bogart/Port Weller CC Parking Lot Deferred	\$	300,000
Regional Projects Reduced	\$	10,000
Shoreline Protection Reduced	\$	80,000
Heritage Buildings Improvements Reduced	\$	440,000
Other Building Improvements Reduced	\$	43,000
Old Courthouse Elevator Deferred	\$	1,250,000
	\$	4,108,000
	\$	1,717,967

Projects Deferred/Reduced

Montebello Park Walkway Deferred	\$	75,000
West Park Lighting Controls Deferred	\$	100,000
Tennis Court Upgrades Deferred	\$	200,000
VLC Walkways at Holy Trinity Deferred	\$	100,000
Burgoyne Woods Driveway Deferred	\$	600,000
Storm Sewer and Separation Reduced	\$	109,207
Regional Projects Reduced	\$	50,000
Building Improvements Reduced	\$	1,560,000
Fire Services Reduction	\$	800,000
Parking Improvements Reduced	\$	300,000
	\$	3,894,207
	\$	(1,234,676)