

**Report from** Financial Management Services, Accounting

**Date of Report:** February 9, 2017

**Date of Meeting:** February 13, 2017

**Report Number:** FMS-B021-2017

**File:** 10.57.10

**Subject:** 2017 Capital Budget and Four Year Forecast

## Recommendation

That the report from Financial Management Services dated February 13, 2017, regarding the 2017 Capital Budget be referred to City Council for consideration after the Public Meeting scheduled for March 6, 2017 for which notice will be duly given.

FORTHWITH

## Committee Recommendation

That Council approve the 2017 Capital Budget and Four Year Forecast as detailed in Appendix 1; and

That the 2017 Transit Commission Capital request be funded by the City's Capital Budget; and

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

FORTHWITH

## Background

The 2017 Capital Budget is the plan of capital expenditures to be committed during 2017. 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 2018-2021 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.

## 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 2017 Capital Budget and Four Year Forecast is detailed in Appendix 1. The following information is included in the appendix.

<b><u>Item</u></b>	<b><u>Description</u></b>	<b><u>Appendix Page #</u></b>
Summary	The breakdown of capital expenditures for years 2017 to 2021	1
2017 Capital Budget	The capital expenditures proposed for 2017 by function. The 2017 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 2017 summary and the individual schedules.	2 to 18
2018 Capital Forecast	The 2018 forecast is determined from the asset management plan. The Canada Summer Games allocation has received early Council approval if the Games are awarded to the Region of Niagara.	19
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	20
Infrastructure Levy Projects	A list of projects funded from the Infrastructure Levy approved in the 2017 operating budget process	21
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	22

The 2016 Unfinanced Capital Projects	A list of previously approved capital projects that have yet to be debentured	23
Reprioritization of Capital Projects	Details of the various capital projects that have been added or deferred in the 2017 capital budget and future year forecasts	24

## **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 and slows 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 2017 Infrastructure Levy are shown on page 21 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 \$121.4 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 \$135.0 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 2017 Capital Budget will not cause the City to exceed its limit. This updated document is available on page 22 of Appendix 1.

### **Debt Management Strategy**

During the 2016 Capital budget process, the BSC endorsed the City's currently 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 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.

### 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:

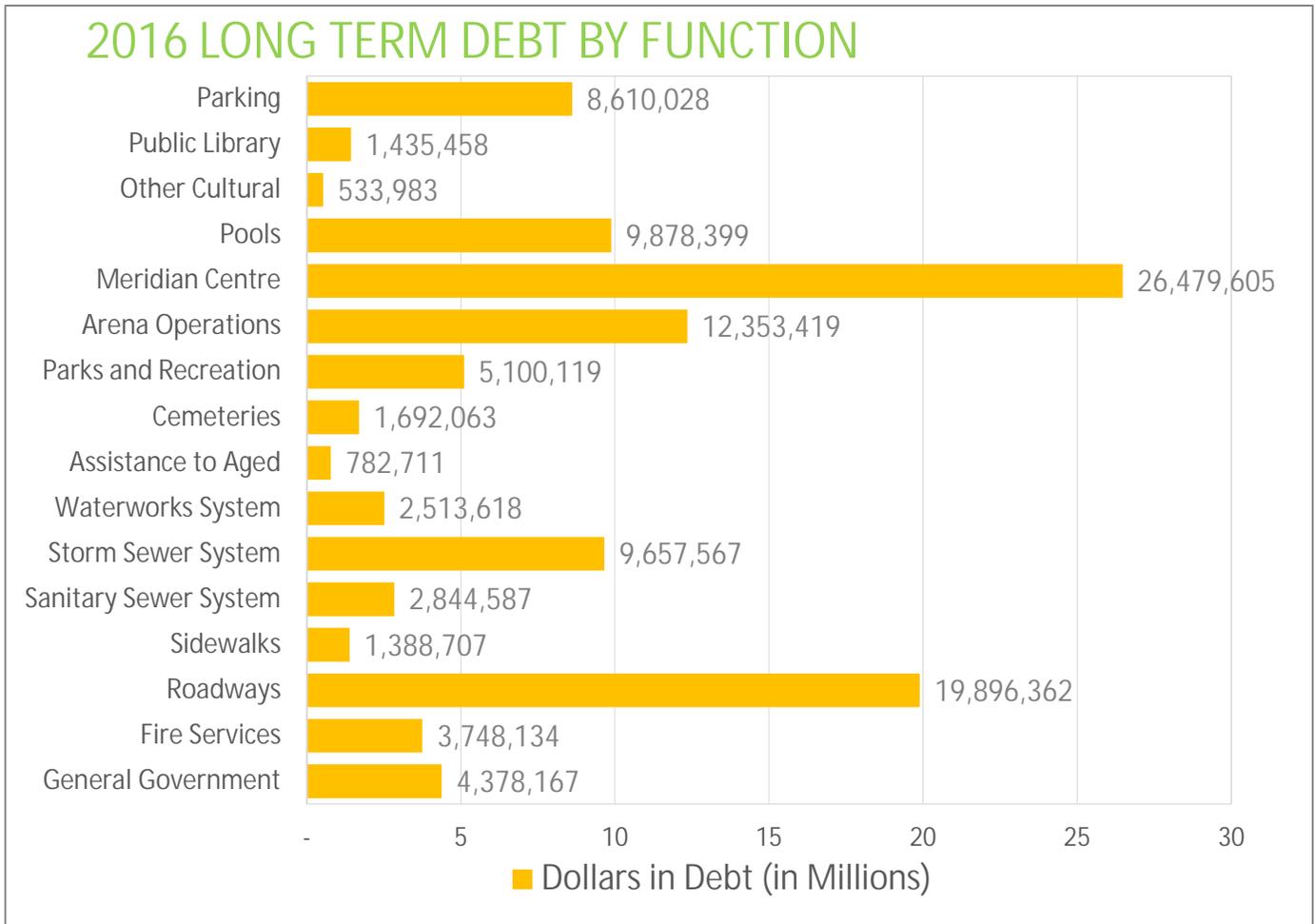
- Project approval
- Project design
- Tendering
- Construction
- Debenture issue
- Debenture cost inclusion in an Operating Budget

In 2016, the City's debt charges were 7.99% 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.

	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021</b>
<b>Outstanding Debt</b>	\$111.3m	\$112.0m	\$115.3m	\$128.8m	\$133.9m	\$139.4m
<b>Debt Per Household</b>	\$1,896.93	\$1,909.00	\$1,965.83	\$2,245.04	\$2,283.18	\$2,376.15
<b>Total Annual Debt Charges</b>	\$14.7m	\$15.4m	\$15.8m	\$16.5m	\$18.3m	\$ 20.3m
<b>As % of Operating Budget</b>	7.99%	8.16%	8.17%	8.33%	9.03%	9.79%

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



On October 24, 2016 City Council approved the inclusion of funding to be used towards projects detailed in the Clean Water/Wastewater Fund (CWWF) application. The CWWF program is a federal program designed to accelerate short-term community investments while supporting the rehabilitation and modernization of drinking water, wastewater and storm water infrastructure and the planning and design of future facilities and upgrades to existing systems. Eligible projects include rehabilitation, new construction, optimization initiatives and planning and design. The program provides 75% funding towards projects. The listing of the projects is shown on Schedule D of Appendix 1. At this time, funding has not yet been confirmed. Should funding be denied, these projects will be moved to future years.

The Budget Standing Committee, at the February 1, 2017 meeting approved the motion that the Transit Commission's capital request be funded by the City's Capital Budget. The funds for the Transit Commission's Capital request have been included in the 2017

draft capital budget and are shown on Schedule P of Appendix 1. Similar to the City capital projects, the Transit will contribute ten percent of the capital project costs. In future years the debenture costs will be funded by the Transit Commission's annual operating budget.

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. Should the bid for the games be successful, 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 24.

## **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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### **Approved by:**

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CITY OF ST. CATHARINES  
2017 CAPITAL BUDGET AND FOUR YEAR FORECAST  
SUMMARY OF CAPITAL EXPENDITURES AND SOURCES OF FINANCING

1

	2017	2018	2019	2020	2021
<b>CAPITAL EXPENDITURES:</b>					
Parks, Recreation and Culture Services	\$3,610,500	\$2,370,000	\$2,320,000	\$3,200,000	\$2,015,000
Road Construction and Improvements	4,682,560	4,861,942	5,046,420	5,238,277	5,238,277
Storm Sewer and Separation	2,557,111	2,427,111	2,524,194	2,524,195	2,839,375
Regional Projects	0	1,665,000	220,000	230,000	280,000
St Catharines Transit Commission	495,000	2,000,000			
Niagara District Airport	248,632				
Sidewalk/Walkway Construction	350,000	350,000	350,000	350,000	350,000
Shoreline Protection	50,000	100,000	30,000	110,000	110,000
Pollution Control	1,000,000	1,000,000	1,000,000	0	500,000
Federal Gas Tax funded programs	3,994,978	3,250,000	4,185,216	4,185,216	4,185,216
Building Improvements	2,745,000	1,120,000	1,800,000	2,283,000	2,440,000
Accessibility Programme	320,000	250,000	250,000	1,500,000	300,000
Development Charges			3,350,000	2,370,000	0
Fire Services	100,000	4,200,000	1,500,000	160,000	2,800,000
Watercourses	450,000	150,000	650,000	1,000,000	500,000
Bridges and Culvert	0	485,000	1,970,000	885,000	0
Clean Water/Wastewater Fund Projects	4,959,778				
Parking Improvements	320,000	50,000	450,000	400,000	700,000
Corporate Infrastructure	2,320,000	900,000	980,000	700,000	500,000
	<u>\$28,203,559</u>	<u>\$25,179,053</u>	<u>\$26,625,830</u>	<u>\$25,135,688</u>	<u>\$22,757,867</u>
<b>SOURCES OF FINANCING:</b>					
Grants, Reserve Funds etc.	\$10,458,456	\$6,835,216	\$9,072,216	\$7,846,216	\$6,785,216
Capital Out of Revenue Fund	1,779,000	1,835,000	1,755,000	1,729,000	1,598,000
Net Debenture Amount	15,966,103	16,508,837	15,798,614	15,560,472	14,374,652
	<u>\$28,203,559</u>	<u>\$25,179,053</u>	<u>\$26,625,830</u>	<u>\$25,135,688</u>	<u>\$22,757,867</u>

CITY OF ST. CATHARINES  
2017 CAPITAL BUDGET

DESCRIPTION	SCHEDULE	ESTIMATED GROSS COSTS	GRANTS, RESERVES ETC.	CAPITAL OUT OF REVENUE	NET DEBENTURE AMOUNT
<b>PARKS, RECREATION AND CULTURE SERVICES:</b>					
Centennial Park upgrades-phase 4		730,000	535,000	20,000	175,000
Rotary Park contribution		12,500	12,500		
Playground Equipment Roehampton Park		102,000	102,000		
Basketball Court upgrades Roehampton Park		76,000	76,000		
Tree Planting program		350,000	350,000		
Program Registration/Rental software upgrade		150,000		15,000	135,000
Bill Burgoyne Arena - Brine Pipe/Header/Compressor repairs		160,000	160,000		
Oakhill Park/Yates Street Decorative Heritage Wall		30,000		3,000	27,000
Seymour Hannah - rink floor rehabilitation phase 2		2,000,000	80,144	192,000	1,727,856
	SCHEDULE A	3,610,500	1,315,644	230,000	2,064,856
<b>ROAD CONSTRUCTION AND IMPROVEMENTS:</b>					
Terry Lane Reconstruction		25,000		3,000	22,000
Geneva St/Carlton St Intersection Improvements		60,000		6,000	54,000
Downtown Street System Conversion		2,291,560		229,000	2,062,560
Queenston Street - additional funds		400,000		40,000	360,000
2017 Resurfacing Program - Part 2		130,000		13,000	117,000
Third Street Louth Bike Lanes		560,000		56,000	504,000
Highland Avenue Reconstruction		368,000		37,000	331,000
Moffatt Street Reconstruction - design		500,000		50,000	450,000
St David's Road - design and EA		100,000		10,000	90,000
Traffic Signal Rehabilitation		248,000	248,000	0	0
	SCHEDULE B	4,682,560	248,000	444,000	3,990,560
<b>STORM SEWER AND SEWER SEPARATION:</b>					
Queenston St Reconstruction		150,000		15,000	135,000
Tunis/Valley - additional funds		60,000		6,000	54,000
Hartzel Road - additional funds		70,000		7,000	63,000
Park Avenue/Admiral Street underground improvements		365,000		37,000	328,000
Cecil Street Storm Sewer Improvements		925,000		93,000	832,000
Page Street Sewer Improvements - design		40,000		4,000	36,000
Oakdale Avenue Reconstruction		70,000		7,000	63,000
Yale Crescent Underground Improvements		325,000	130,000	20,000	175,000
Parkwood Drive Catchbasin/Storm Sewer system		160,000		16,000	144,000
Cumming/Kent Sewer Improvement-design		55,000		6,000	49,000
Russell Avenue/Woodland Improvements-design		50,000		5,000	45,000
Glenwood Avenue/South Dr Sewer Improvements-design		87,111		9,000	78,111
Design for 2018 Storm Sewer Projects		50,000		5,000	45,000
Catchbasin and Storm Service Installation, 2017		150,000		15,000	135,000
	SCHEDULE C	2,557,111	130,000	245,000	2,182,111
<b>CLEAN WATER/WASTEWATER FUND PROJECTS</b>					
Oakdale Ave - watermain		900,000	675,000	23,000	202,000
Leeper St/McDonald Reconstruction		2,445,000	1,833,750	61,000	550,250
Barnes/Brighton/Lailey		1,614,778	1,211,084	40,000	363,694
	SCHEDULE D	4,959,778	3,719,834	124,000	1,115,944
<b>NIAGARA DISTRICT AIRPORT</b>					
2017 Municipal Working Capital Grant		248,632		25,000	223,632
	SCHEDULE E	248,632	0	25,000	223,632
<b>SIDEWALK CONSTRUCTION</b>					
2017 Sidewalk Construction Program		300,000		30,000	270,000
2017 Walkway Improvements		50,000	50,000	0	0
	SCHEDULE F	350,000	50,000	30,000	270,000
<b>REGIONAL PROJECTS - CITY SHARE</b>					
no 2017 program		0	0	0	0
<b>POLLUTION CONTROL PLAN</b>					
2017 program		1,000,000	400,000	60,000	540,000
	SCHEDULE G	1,000,000	400,000	60,000	540,000
<b>FEDERAL GAS TAX FUNDED PROJECTS</b>					
Active Transportation Infrastructure		250,000	250,000		
2017 Bridge Rehabilitation Program (4 locations)		700,000	700,000		
LED Streetlight Conversion		1,425,000	1,425,000		
Watermeter Replacement Program		1,000,000	1,000,000		
Glendale Avenue		619,978	619,978		
	SCHEDULE H	3,994,978	3,994,978	0	0
<b>BUILDING IMPROVEMENTS</b>					
Robertson School - Annex-Repaint/Waterproof basement		350,000		35,000	315,000
Robertson School - Parking Lot Reconstruction-upper/lower		225,000		23,000	202,000
Merritt Community Centre-HVAC replacement-add'l funds		250,000		25,000	225,000
Russell Ave Community Centre-single family washroom		200,000		20,000	180,000
Russell Ave Community Centre-building underpinning/front vestibule		200,000		20,000	180,000
Corporate Consolidation Phase 2		300,000		30,000	270,000
City Hall - Chiller Replacement		170,000		17,000	153,000
City Hall - restore brass doors and windows		200,000		20,000	180,000
Building Improvement Program, 2017		850,000	600,000	25,000	225,000
	SCHEDULE I	2,745,000	600,000	215,000	1,930,000
<b>ACCESSIBILITY PROGRAMMES</b>					
City Hall - James Street elevator replacement		250,000		25,000	225,000
Lancaster Park - Diamond 1 washroom renovation		50,000		5,000	45,000
Russell Ave Community Centre-single family washroom		20,000		2,000	18,000
	SCHEDULE J	320,000	0	32,000	288,000
<b>WATERCOURSE REHABILITATION</b>					
Martindale Pond - weir replacement/dam safety review		350,000		35,000	315,000
Brarsdale Creek-easement acquisition/additional funds		100,000		10,000	90,000
	SCHEDULE K	450,000	0	45,000	405,000
<b>SHORELINE PROTECTION</b>					
Shoreline Protection Review, 2017		50,000		5,000	45,000
	SCHEDULE L	50,000	0	5,000	45,000
<b>BRIDGE AND CULVERT REHABILITATION</b>					
no 2017 program		0	0	0	0
<b>FIRE SERVICES</b>					
Fire Training Tower design		100,000		10,000	90,000
	SCHEDULE M	100,000	0	10,000	90,000
<b>PARKING SERVICES</b>					
Ontario St Garage-stairway/elevator rehab-add'l funds		270,000		27,000	243,000
Race Street Parking lot design		50,000		5,000	45,000
	SCHEDULE N	320,000	0	32,000	288,000
<b>CORPORATE INFRASTRUCTURE</b>					
Technology Upgrades - Phase 2-financial systems		1,200,000		120,000	1,080,000
Customer Relationship Management		400,000		40,000	360,000
Network/Server Infrastructure		620,000		62,000	558,000
Phone Infrastructure		100,000		10,000	90,000
	SCHEDULE O	2,320,000	0	232,000	2,088,000
<b>ST CATHARINES TRANSIT COMMISSION</b>					
ParaTransit Vehicles (3)		270,000		27,000	243,000
Bus Wash Replacement		100,000		10,000	90,000
Asphalt Repairs in Terminal		35,000		4,000	31,000
Service Truck Replacement (1)		90,000		9,000	81,000
	SCHEDULE P	495,000	0	50,000	445,000
TOTAL 2017 CAPITAL BUDGET		\$28,203,559	\$10,458,456	\$1,779,000	\$15,966,103

**2017 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, 2017	
Seymour Hannah              Rink Floor Rehabilitation phase 2	*      \$2,000,000
Bill Burgoyne Arena              Brine Pipe/Header/Compressor Repairs	160,000
2 Centennial Park upgrades - Phase 4	*      730,000
3 Playground Equipment upgrade - Roehampton Park	102,000
4 Basketball Court upgrades - Roehampton Park	76,000
5 Tree Planting Program	350,000
6 Program Registration/Rental software replacement/upgrade	150,000
7 Rotary Park upgrades	*      12,500
8 Oakhill Park/Yates Street Decorative Heritage Wall	30,000
	<b><u>\$3,610,500</u></b>

**Funding Sources:**

Capital Out of Revenue (10%)	\$230,000
Capital project transfer	80,144
Infrastructure levy	700,500
Region - Waterfront Investment Program - Centennial Park	150,000
Canada 150 - Centennial Park	385,000
Debentures	2,064,856
	<b><u>\$3,610,500</u></b>

Note:

\* indicates that the project has received early budget approval

**2017 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 69. In order to achieve the target condition of 75 in 10 years, an expenditure of approximately \$112 million 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. <b>Municipal Services Imprvmts</b> Queenston Street	<b>P13-066</b>	Traffic signal improvement in conjunction with roadworks		\$400,000
2. <b>Municipal Services Imprvmts</b> Moffatt Street	<b>P15-066</b>	Utility relocations in conjunction with future road reconstruction		500,000
3. <b>Municipal Services Imprvmts</b> Third Street Louth	<b>P15-067</b>	Utility relocations in conjunction with sidewalk replacement (bike lanes)		560,000
4. <b>2017 Resurfacing Program</b> Third Avenue Various streets	<b>P17-080</b>	First Street		130,000
5. <b>Municipal Services Imprvmts</b> Downtown Street System Conversion Church Street Church Street Niagara Street Queenston Street St Paul Street	<b>P16-065</b>	Geneva Street Niagara Street Geneva Street Geneva Street Geneva Street	King Street Geneva Street Church Street Riordon Street Court Street	2,291,560
6. <b>Municipal Services Imprvmts</b> Geneva Street/Carlton Street	<b>P17-061</b>	Intersection Improvements		60,000
7. <b>Municipal Services Imprvmts</b> Highland Avenue Reconstruction	<b>P17-064</b>	Ridgwood Road	Rockcliffe Road	368,000
8. <b>Municipal Services Imprvmts</b> St David's Road EA and Design	<b>P17-067</b>	Burleigh Hill Drive	Townline Road West	100,000
9. <b>Municipal Services Imprvmts</b> Terry Lane Reconstruction	<b>P07-068</b>	road reconstruction and drainage improvements		25,000
10. Traffic Signal Replacement Program	tbd			248,000
				<b>\$4,682,560</b>

**Funding Sources:**

Capital Out of Revenue (10%) Downpayment	\$444,000
Infrastructure Levy	248,000
Debenture	3,990,560
	<b>\$4,682,560</b>

**2017 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 571 km of Sanitary sewers and combined sewers, and 399 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	P17-006	Various		\$150,000
<b>Municipal Services Improvements</b>				
2 Queenston Street	P13-066	Page Street	Eastchester Avenue	150,000
3 Tunis/Valley Tunis Street Valley Road	P15-003	Pelham Road Louth Street	Hillside Drive Louth Street	60,000
4 Hartzel Road	P16-008	Queenston Street	Lincoln Avenue	70,000
5 Yale Crescent	P17-009	Vine Street	Berryman Avenue	325,000
6 Design for 2018 Storm Projects	P17-015			50,000
7 Admiral/Park Admiral Road Park Avenue	P17-020	Ferndale Avenue Admiral Road	Park Avenue Rockwood Avenue	365,000
8 Cecil Street	P17-021	Ernest Street	Ontario Street	925,000
9 Page Street Sewer design	P17-022	Cross Street	#10 Page Street	40,000
10 Cumming/Kent storm design Cumming Street Kent Street	P17-023	End End	Pelham Road Pelham Road	55,000
11 Glenwood/South design Glenwood Avenue South Drive	P17-063	Rockcliffe Road Cliff Road	End Rockcliffe Road	87,111
12 Oakdale Avenue catchbasin	P17-065	Westchester Cres	Disher Street	70,000
13 Russell/Woodland - design Russell Avenue Woodland Avenue	P17-066	McGhie Street Maple Street	Geneva Street Russell Avenue	50,000
14 Parkwood Dr storm sewer	P17-080	Hartzel Road	Ferndale Avenue	160,000
				<b>\$2,557,111</b>

**Funding Sources:**

Capital Out of Revenue (10%) Downpayment	\$245,000
Regional Niagara - CSO funding	130,000
Debentures	2,182,111
	<b>\$2,557,111</b>

Projects approved for Regional Niagara CSO Management Action Plan funding:

Yale Crescent Underground Improvements	\$130,000
	\$130,000

**2017 CAPITAL BUDGET****SCHEDULE D****Project:****CLEAN WATER/WASTEWATERFUND PROJECTS****Objectives:**

City Staff have applied for this funding and are awaiting notification of approval. If unsuccessful, the projects will be included in future construction budgets

The Clean Water and Wastewater Fund (CWWF) is a federal program designed to accelerate short term community investments while supporting the rehabilitation and modernization of drinking water, wastewater and stormwater infrastructure and the planning and design of future facilities and upgrades to existing systems. Eligible projects include rehabilitation, new construction, optimization initiatives and planning and design.

**Project Details:**

<u>Location</u>	<u>Project Number</u>	<u>From</u>	<u>To</u>	<u>Gross Cost</u>
1. Oakdale Avenue	P17-065	Westchester Cres Watermain replacement	Lincoln Avenue	\$900,000
2. Leeper/McDonald reconstruction Leeper Street McDonald Street		Rykert Street Ridley Road	St Paul Street W St Paul Street W	2,445,000
3. Barnes/Brighton/Bailey Barnes Road Brighton Avenue Lailey Street		Franklin Blvd Garnet Street Currie Street	McPhail Crescent Facer Street Concrod Avenue	1,614,778
				<b>\$4,959,778</b>

**Funding Sources:**

Capital Out of Revenue (10%) Downpayment	\$124,000
Clean Water/Wastewater Funding	3,719,834
Debentures	1,115,944
	<b>\$4,959,778</b>

**2017 CAPITAL BUDGET**

**SCHEDULE E**

**Project:** **NIAGARA DISTRICT AIRPORT**  
**Project Description:** 2017 Municipal Working Capital Grant  
City's commitment to annual capital improvements

**Project Details:**

<u>Area</u>	<u>Gross Cost</u>
1 2017 Municipal Working Capital Grant	\$248,632
Security Software	
Mechanic Tools	
Water and Oil Separator	
Radio Repeater	
Level for PAPI's	
Chemical Spreader SF - Used	*
Chmical Sprayer - Used	*
Office Renovation	
Hydro to SWAA	
Hydro pole deficiency project	*
	<u><b>\$248,632</b></u>
<b><u>Funding Sources:</u></b>	
Capital Out of Revenue (10%)	\$25,000
Debentures	223,632
	<u><b>\$248,632</b></u>

Note:

\* indicates that the project has received early budget approval

**2017 CAPITAL BUDGET**

**SCHEDULE F**

**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>
<b>Municipal Services Improvements</b>			
1 2017 Sidewalk Construction program	Priority locations		\$300,000
2 2017 Walkway Improvement Program	Priority locations		50,000
			<u><b>\$350,000</b></u>

**Funding Sources:**

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

Infrastructure Levy Projects:  
2017 Walkway Improvement Program \$50,000

**2017 CAPITAL BUDGET**

**SCHEDULE G**

**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.

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

**Funding Sources:**

Capital Out of Revenue (10%) Downpayment	\$60,000
Regional CSO funding	400,000
Debentures	540,000
	<b><u>\$1,000,000</u></b>

Projects applying for Regional Niagara CSO Management Action Plan funding:

**2017 CAPITAL BUDGET**

**SCHEDULE H**

**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 2017 projects include investments in the Active Transportation Network, LED Streetlight conversion and continued investment in the watermeter replacement program

**Project Details:**

	No.	Gross Cost
1 Active Transportation Infrastructure	A multi-year initiative to implement recommendations of the Active Transportation Committee	\$250,000
2 LED Streetlight Conversion	Continued funding of a multi-year project to replace existing street light fixtures with energy efficient LED fixtures	1,425,000
3 Water Meter Replacement Program	Year 4 of a multi year program to replace existing water meters to AMRs	1,000,000
4 2017 Bridge Rehabilitation Program Merritt Street Bridge	P17-122 Replace existing deteriorated railings on bridge and approaches	205,000
5 Pelham Road bridge rehabilitation design	P17-123	225,000
6 Future Culvert Replacement design	P17-124 Cindy Drive at Walkers Creek Lake Street at Beverly Hills Creek Old Coach Road at Spring Graden Creek	190,000
7 Environmental Assessment and Engineering	Dunkirk Road at Cushman Road	80,000
8 Glendale Avenue Reconstruction  Glendale Avenue Tremont Drive	sidewalk repairs/storm sewer upgrades and partial watermain replacement in conjunction with Regional works Jacobson Avenue Highway 406 Glendale Avenue 90m south of Glendale Ave	619,978
		<b><u>\$3,994,978</u></b>

**Funding Sources:**

Federal Gas Tax Funding

**\$3,994,978**

**2017 CAPITAL BUDGET****SCHEDULE I****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	<i>Building Automation Systems Upgrade - Phase 2</i>	\$50,000
2 Carlisle Street Parking Garage	<i>Membrane Waterproofing</i>	50,000
3 2017 Arena Improvement Program		
Seymour Hannah	<i>Overhaul 2 compressors - phase 1</i>	30,000
GCA	<i>Replace Zamboni Access Boards</i>	20,000
GCA	<i>Replace Low Roof Between Arenas</i>	45,000
GCA	<i>Replace Steel Roof</i>	55,000
4 Kiwanis Aquatic Centre	<i>Retrofit Pool Lighting</i>	80,000
	<i>Repair Concrete Along Front of Building</i>	30,000
	<i>RegROUT Pool deck-additional funds</i>	10,000
	<i>Leisure Pool grout</i>	50,000
5 Outdoor Pool Improvement Program		
Lion Dunc Schooley Small Pool	<i>Sandblast and paint</i>	25,000
Pt Dalhousie Lions Pool	<i>Sandblast and Paint Large Pool</i>	55,000
	<i>Changeroom Repairs/Paint</i>	50,000
6 Montebello Park Pavilion	<i>Repair and Refinish Floor</i>	80,000
	<i>Pavilion handrail repair</i>	20,000
7 West Park	<i>Demolish Washroom</i>	10,000
8 Morningstar Mill	<i>Dam - additional funds</i>	50,000
9 Victoria Lawn Cemetery	<i>Lunch Building - Replace Roof</i>	55,000
	<i>Cullinen Mausoleum - Replace Doors</i>	10,000
	<i>Cullinen Mausoleum - Replace Roof</i>	75,000
10 Robertson School - Annex	<i>Repoint/waterproof basement</i>	350,000
11 Robertson School	<i>Parking Lot Reconstruction upper/lower</i>	225,000
12 Merritton Community Centre	<i>HVAC replacement - additional funds</i>	250,000
13 Russell Ave Community Centre	<i>Single Family Washroom</i>	200,000
	<i>Building Underpinning/front vestibule</i>	200,000
14 Corporate Consolidation Phase 2		300,000
15 City Hall	<i>Chiller Replacement</i>	170,000
	<i>Restore Brass Doors and Windows</i>	200,000
		<b>\$2,745,000</b>

**Funding Sources:**

Capital Out of Revenue (10%) Downpayment	\$25,000
Reserve Funding	600,000
Debentures	2,120,000
	<b>\$2,745,000</b>

**2017 CAPITAL BUDGET**

**SCHEDULE J**

**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>Project Number</u>	<u>Gross Cost</u>
1 City Hall	James Street Elevator Replacement	\$250,000
2 Lancaster Park - Diamond 1	Washroom Renovation	50,000
3 Russell Ave Community Centre	Single Family Washroom accessibility	20,000
		<hr/> <b>\$320,000</b>

**Funding Sources:**

Capital Out of Revenue (10%) Downpayment	\$32,000
Debenture	288,000
	<hr/> <b>\$320,000</b>

**2017 CAPITAL BUDGET**

**SCHEDULE K**

**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. Briarsdale Creek and Walkway	P15-042	Glen Morris Drive additional funds for easment acquisition and creek rehabilitation	CNR Corridor	\$100,000
2. Watercourse Rehabilitation, 2017		Martindale Pond near Lakeport Road to undertake Federally mandated Safety Review and address identified deficiencies in stop logs and abutments		350,000
				<u>\$450,000</u>

**Funding Sources:**

Capital Out of Revenue	\$45,000
Debenture	<u>405,000</u>
	<u>\$450,000</u>

**2017 CAPITAL BUDGET**

**SCHEDULE L**

**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 2017 review	P17-032	to undertake Citywide review of existing infrastructure and unprotected sites along the lake Ontario shoreline		\$50,000
				<u>\$50,000</u>
<b><u>Funding Sources:</u></b>				
Capital Out of Revenue				\$5,000
Debenture				45,000
				<u>\$50,000</u>

**2017 CAPITAL BUDGET**

**SCHEDULE M**

**Project:** *Fire Services Infrastructure*

**Project Description:** *Fire Training Tower Replacement Design*

**Project Details:**

<u>Location</u>	<u>Project Number</u>	<u>Description</u>	<u>Gross Cost</u>
1	Fire Training Tower Replacement - design	to initiate engineer and architectural services for a replacement fire training tower	100,000
			<u><b>\$100,000</b></u>

**Funding Sources:**

Capital Out of Revenue (10%) Downpayment	\$10,000
Debenture	90,000
	<u><b>\$100,000</b></u>

**2017 CAPITAL BUDGET**

**SCHEDULE N**

**Project:**

**PARKING SERVICES**

**Project Description:**

*Parking Services General Building Improvements  
Various locations*

**Project Details:**

<u>Location</u>	<u>Project Number</u>		<u>Gross Cost</u>
1 Ontario Street Garage phase 3	P13-150	<i>additional funds to address identified deficiencies in elevator and William Street stairwells</i>	\$270,000
2 Race St Parking lot reconstruction		<i>engineering services to initiate parking lot reconstruction</i>	50,000
			<u>\$320,000</u>

**Funding Sources:**

*Capital out of revenue  
Debenture*

<i>\$32,000</i>
<u><i>288,000</i></u>
<u><u><i>\$320,000</i></u></u>

**2017 CAPITAL BUDGET**

**SCHEDULE O**

**Project:**

**CORPORATE INFRASTRUCTURE**

**Project Description:**

*Corporate Infrastructure Technology Upgrades*

**Project Details:**

<u>Project No.</u>	<u>Gross Cost</u>
1. <i>Enterprise Resource Planning (ERP) Financials (GL,AP,IC,Purchasing)</i>	<i>\$1,200,000</i>
2. <i>Customer Relationship Management</i>	<i>400,000</i>
3. <i>Technology Hardware improvements</i> <i>Network/Server Infrastructure</i>	<i>620,000</i>
4. <i>Telephone Infrastructure</i>	<i>100,000</i>
	<hr/>
	<i>\$2,320,000</i>
	<hr/>

**Funding Sources:**

*Capital Out of Revenue (10%) Downpayment*  
*Debentures*

<i>\$232,000</i>
<i>2,088,000</i>
<hr/>
<b><i>\$2,320,000</i></b>
<hr/>

**2017 CAPITAL BUDGET**

**SCHEDULE P**

**Project:** **ST CATHARINES TRANSIT COMMISSION**

**Project Description:** *2017 St Catharines Transit Commission capital expenditures*

**Project Details:**

<u>Area</u>	<u>Gross Cost</u>
1 <i>ParaTransit Vehicles (3)</i>	\$270,000
2 <i>Bus Wash Replacement</i>	100,000
3 <i>Asphalt Repairs in terminal</i>	35,000
4 <i>Service Truck Replacement</i>	90,000
	<b><u>\$495,000</u></b>

**Funding Sources:**

<i>Transit Commission - Capital Out of Revenue (10%)</i>	\$50,000
<i>Debentures</i>	445,000
	<b><u>\$495,000</u></b>

**CITY OF ST. CATHARINES  
2018 CAPITAL FORECAST**

DESCRIPTION	ESTIMATED GROSS COSTS	GRANTS, RESERVES ETC.	RECOVERIES FROM OTHER FUNDS	NET DEBENTURE AMOUNT
<b><u>PARKS, RECREATION AND CULTURE SERVICES:</u></b>				
St Catharines Museum HVAC	900,000		90,000	810,000
Playground Equipment - location tbd	100,000	100,000		
Tennis Courts - location tbd	275,000	275,000		
Canada Summer Games	320,000		32,000	288,000
Arena Improvement Program,2018	400,000		40,000	360,000
Tree Planting program	375,000	375,000	0	0
	<u>2,370,000</u>	<u>750,000</u>	<u>162,000</u>	<u>1,458,000</u>
<b><u>ROAD CONSTRUCTION AND IMPROVEMENTS:</u></b>				
2018 Priority Program	<u>4,861,942</u>	<u>200,000</u>	<u>466,000</u>	<u>4,195,942</u>
<b><u>STORM SEWER AND SEWER SEPARATION:</u></b>				
2018 Priority Program	<u>2,427,111</u>	<u>550,000</u>	<u>188,000</u>	<u>1,689,111</u>
<b><u>REGIONAL PROJECTS - CITY SHARE</u></b>				
Ontario Street (Linwell Ave to Lakeport Rd)	1,275,000	716,156	56,000	502,844
St Paul Street @ CN Bridge	220,000	123,572	10,000	86,428
Niagara Street (North of Carlton St to Scott St)	170,000	95,488	7,000	67,512
	<u>1,665,000</u>	<u>935,216</u>	<u>73,000</u>	<u>656,784</u>
<b><u>ST CATHARINES TRANSIT COMMISSION</u></b>				
Bus Purchases/Storage Building	2,000,000		200,000	1,800,000
	<u>2,000,000</u>	<u>0</u>	<u>200,000</u>	<u>1,800,000</u>
<b><u>NEW SIDEWALK CONSTRUCTION</u></b>				
2018 Priority Program	300,000		30,000	270,000
2018 Walkway Improvements	50,000	50,000	0	0
	<u>350,000</u>	<u>50,000</u>	<u>30,000</u>	<u>270,000</u>
<b><u>SHORELINE PROTECTION:</u></b>				
2018 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>
<b><u>POLLUTION CONTROL AND BASEMENT FLOODING</u></b>				
2018 Program	1,000,000	400,000	60,000	540,000
	<u>1,000,000</u>	<u>400,000</u>	<u>60,000</u>	<u>540,000</u>
<b><u>FEDERAL GAS TAX FUNDED PROJECTS</u></b>				
Active Transportation Infrastructure	250,000	250,000		
Water Meter Replacement project	1,000,000	1,000,000		
Pelham Road Bridge Rehabilitation	1,500,000	1,500,000		
St David's Road Multi Use trail partial funding	500,000	500,000		
	<u>3,250,000</u>	<u>3,250,000</u>	<u>0</u>	<u>0</u>
<b><u>BUILDING IMPROVEMENTS</u></b>				
Robertson School - Annex Windows	120,000		12,000	108,000
Buchanan House Security	150,000		15,000	135,000
Building Improvement Program, 2018	850,000	650,000	20,000	180,000
	<u>1,120,000</u>	<u>650,000</u>	<u>47,000</u>	<u>423,000</u>
<b><u>ACCESSIBILITY PROGRAMMES</u></b>				
2018 Accessibility Program	250,000		25,000	225,000
	<u>250,000</u>	<u>0</u>	<u>25,000</u>	<u>225,000</u>
<b><u>WATERCOURSES</u></b>				
Erosion Control Review	50,000		5,000	45,000
Beamer Creek - EA and Design	50,000		5,000	45,000
2018 Watercourse Program	50,000		5,000	45,000
	<u>150,000</u>	<u></u>	<u>15,000</u>	<u>135,000</u>
<b><u>BRIDGES AND CULVERTS</u></b>				
Dunkirk Road (South Service Rd) Bridge - Design	80,000		8,000	72,000
St Paul Cres Pedestrian Bridge Rehabilitation	45,000		5,000	40,000
Third Avenue Louth Bridge - Engineering	60,000		6,000	54,000
2018 Priority program - 7 structures	300,000		30,000	270,000
	<u>485,000</u>	<u></u>	<u>49,000</u>	<u>436,000</u>
<b><u>FIRE SERVICES</u></b>				
Radio Program - phase 2	4,100,000		410,000	3,690,000
Fire Training Tower - design	100,000		10,000	90,000
	<u>4,200,000</u>	<u></u>	<u>420,000</u>	<u>3,780,000</u>
<b><u>PARKING SERVICES</u></b>				
Carlisle Garage Membrane repairs	50,000		5,000	45,000
	<u>50,000</u>	<u>0</u>	<u>5,000</u>	<u>45,000</u>
<b><u>CORPORATE INFRASTRUCTURE</u></b>				
Document Management System and Records Management	100,000		10,000	90,000
Telephone System-Cs1000 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
	<u>900,000</u>	<u>0</u>	<u>90,000</u>	<u>810,000</u>
<b>TOTAL 2018 CAPITAL FORECAST</b>	<u><b>\$25,179,053</b></u>	<u><b>\$6,835,216</b></u>	<u><b>\$1,835,000</b></u>	<u><b>\$16,508,837</b></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 2022 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  
 2017 capital budget

Department	Amount
Parks, Recreation and Culture	
Playground equipment - Roehampton Park	\$102,000
Basketball Court - Roehampton Park Park	76,000
Tree planting	350,000
Rotary Park improvements	12,500
 Building and Improvements	
Bill Burgoyne Arena-Brine Pipe/Header/Compressor Repairs	160,000
 Traffic Signal Replacement Program	 248,000
 Sidewalk Construction	
2017 Walkway Improvements	50,000
	<u>\$998,500</u>
 Uncommitted Funds from 2016 program	 \$42,500
2017 Infrastructure Levy	956,000
	<u>\$998,500</u>
 Uncommitted funds	 <u>\$0</u>

The 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  
2017 UPDATED DEBT AND ANNUAL REPAYMENT LIMIT**

2017 Debt and Financial Obligation Limit ( based on 2015 FIR ):

Calculation of Debt Charges:

Total Principal	8,998,527
Total Interest	3,452,795
	<u>\$12,451,322</u>
Less:	
Tile Drainage and Shoreline Assistance	
 NET DEBT CHARGES	 <u><u>\$12,451,322</u></u>

Calculation of Annual Repayment Limit:

Total Revenue Fund Revenue (sch10 9910)	\$176,899,216
Tile Drainage and Shoreline Assistance (SLC 12 1850 04)	0
Ontario Grants (SLC 10 0699 01+SLC 10 0810 01+ SLC10 0815 01)	(3,741,907)
Canada Grants (SLC 10 0820 01+SLC 10 0825 01)	(5,390,103)
Deferred Revenue Earned (Provincial Gas Tax) (SLC 10 830 01)	(3,116,920)
Deferred Revenue Earned (Canada Gas Tax) (SLC 10 831 01)	(3,901,812)
Other Municipalities including revenue for TCA (SLC 10 1098 01+SLC 101099 01)	(2,845,850)
Gain/Loss on sale of land & capital assets (SLC 10 1811 01)	(206,850)
Deferred revenue earned (Development Charges) (SLC 10 1812 01)	0
Deferred revenue earned (Recreation Land(the planning act) (SLC 10 1813 01)	0
Donated Tangible Capital Assets (SLC 53 0610 01)	(56,701)
Other Deferred revenue earned (SLC 10 1814 01)	(89,527)
Increase/Decrease in Gov't Business Enetrprise equity (SLC 10 1905 01)	(3,750,839)
 NET REVENUE FUND REVENUES	 <u><u>\$153,798,707</u></u>
 25% OF NET REVENUE FUND REVENUE	 <u><u>\$38,449,677</u></u>

Adjustments to Annual Repayment Limit:

ANNUAL REPAYMENT LIMIT UNDER REGULATION	<u><u>\$25,998,355</u></u>
 2016 Unfinanced Capital Projects	 \$45,238,388
Capitalized Annual Repayment	
Years	10
Rate	7.00%
Factor	0.14237750
Annual Repayment Limit under Regulation	(6,440,929)
	25,998,355
 ADJUSTED ANNUAL REPAYMENT LIMIT	 <u><u>19,557,426</u></u>

Remaining Debt Capacity

Capitalized Debt Capacity	137,363,177
2017 Capital Budget	(15,966,103)
 REMAINING DEBT CAPACITY	 <u><u>\$121,397,074</u></u>

CITY OF ST CATHARINES  
2016 UNFINANCED CAPITAL PROJECTS

2016 UNFINANCED CAPITAL PROJECTS/UNISSUED DEBT

Lakeside Skating Path	225,000
Arenas Improvement Program	1,999,000
Pearson Park	47,000
Happy Rolph's Bird Sanctuary	45,000
Lock III Complex	387,000
Senior and Community Centres	189,000
Berkley Park Soccer Field Conversion	73,000
RCS Administration - washroom/accessibility renovations	153,000
RCS Administration Building	945,000
RCS Buildings - various	1,518,500
Outdoor Pool demolitions/splashpad	999,000
Lakeside Park Improvements	1,561,000
Cemetery Buildings - Improvements	1,215,000
Heritage Buildings Restoration	3,089,500
TES/PRCS Operations Consolidation	4,117,000
Road Construction and Improvements	8,980,000
Storm Sewer and Separation	5,866,760
Watermains	423,000
Regional Projects - City's Share	383,200
Development Charges	46,028
Local Improvements	114,000
Fire	4,113,000
Pollution Control Plan	3,215,400
New Sidewalks	1,391,000
Watercourse Rehabilitation	364,000
Corporate Infrastructure	596,000
Parking Operations	3,183,000

2016 UNFINANCED CAPITAL PROJECTS

\$45,238,388

**2016 CAPITAL BUDGET AND FOUR YEAR FORECAST vs 2017 CAPITAL BUDGET AND FOUR YEAR FORECAST**

SUMMARY OF CAPITAL EXPENDITURES

	2017			2018			2019			2020		
	2016 Forecast	2017 Forecast	Variance \$	2016 Forecast	2017 Forecast	Variance \$	2016 Forecast	2017 Forecast	Variance \$	2016 Forecast	2017 Forecast	Variance \$
<b>CAPITAL EXPENDITURES:</b>												
Parks, Recreation and Culture Services	\$2,757,500	\$3,610,500	\$853,000	\$1,735,000	\$2,370,000	\$635,000	\$2,080,000	\$2,320,000	\$240,000	\$3,130,000	\$3,200,000	\$70,000
Road Construction and Improvements	\$4,684,560	\$4,682,560	(\$2,000)	\$4,611,942	\$4,861,942	\$250,000	\$4,796,420	\$5,046,420	\$250,000	\$4,796,420	\$5,238,277	\$441,857
Storm Sewer and Separation	\$2,427,110	\$2,557,111	\$130,001	\$2,427,110	2,427,111	\$1	\$2,524,194	\$2,524,194	\$0	\$2,524,195	\$2,524,195	\$0
Clean Water/Wastewater Fund (New 2017)		\$4,959,778	\$4,959,778									
Regional Projects				\$0	\$1,665,000	\$1,665,000	\$720,000	\$220,000	(\$500,000)	\$780,000	\$230,000	(\$550,000)
Niagara District Airport	\$0	\$248,632	\$248,632									\$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	\$414,000	\$50,000	(\$364,000)	\$0	\$100,000	\$100,000	\$30,000	\$30,000	\$0	\$110,000	\$110,000	\$0
Pollution Control	\$1,000,000	\$1,000,000	\$0	\$1,000,000	\$1,000,000	\$0	\$1,000,000	\$1,000,000	\$0			\$0
Heritage Building Rehabilitation												\$0
Federal Gas Tax funded programs	\$3,994,978	\$3,994,978	\$0	\$4,185,216	\$3,250,000	(\$935,216)	\$4,185,216	\$4,185,216	\$0	\$4,185,216	\$4,185,216	\$0
Building Improvements	\$3,450,000	\$2,745,000	(\$705,000)	\$1,210,000	\$1,120,000	(\$90,000)	\$1,300,000	\$1,800,000	\$500,000	\$2,560,000	\$2,283,000	(\$277,000)
Accessibility Programme	\$250,000	\$320,000	\$70,000	\$250,000	\$250,000	\$0	\$250,000	\$250,000	\$0	\$1,330,000	\$1,500,000	\$170,000
Development Charges							\$3,350,000	\$3,350,000	\$0	\$2,370,000	\$2,370,000	\$0
Fire Services	\$0	\$100,000	\$100,000	\$5,550,000	\$4,200,000	(\$1,350,000)	\$1,500,000	\$1,500,000	\$0	\$160,000	\$160,000	\$0
Watercourses	\$270,000	\$450,000	\$180,000	\$500,000	\$150,000	(\$350,000)	\$1,340,000	\$650,000	(\$690,000)	\$500,000	\$1,000,000	\$500,000
Bridges and Culvert			\$0	\$1,400,000	\$485,000	(\$915,000)	\$600,000	\$1,970,000	\$1,370,000	\$0	\$885,000	\$885,000
New Buildings												\$0
Parking Improvements	\$450,000	\$320,000	(\$130,000)	\$510,000	\$50,000	(\$460,000)	\$100,000	\$450,000	\$350,000	\$100,000	\$400,000	\$300,000
Corporate Infrastructure	\$2,320,000	\$2,320,000	\$0	\$1,000,000	\$900,000	(\$100,000)	\$500,000	\$980,000	\$480,000	\$500,000	\$700,000	\$200,000
St. Catharines Transit Commission	\$0	\$495,000	\$495,000		\$2,000,000	\$2,000,000						
	\$22,368,148	\$28,203,559	\$5,835,411	\$24,729,268	\$25,179,053	\$449,785	\$24,625,830	\$26,625,830	\$2,000,000	\$23,395,831	\$25,135,688	\$1,739,857

Projects Added/Increased	Projects Added/Increased	Projects Added/Increased	Projects Added/Increased
Centennial Park Upgrades - Increased \$ 535,000	Museum HVAC Added \$ 900,000	Canada Summer Games Added \$ 320,000	Russell Ave CC Repairs Added Back \$ 660,000
Playground Equipment Increased \$ 2,000	Canada Summer Games Added \$ 320,000	Jaycee Park Parking Lot Added \$ 700,000	Port Dalhousie Seniors Retrofit Added \$ 100,000
Program registration Software Added \$ 150,000	Arena Improvement Program Added \$ 400,000	Road Program Increased \$ 250,000	Canada Summer Games Added \$ 320,000
BBA Brine/Pipe Repairs Added \$ 160,000	Road Program Increased \$ 250,000	Increased Building Improvements \$ 500,000	Bogart Park/Port Weller CC Parking Added \$ 300,000
Oakhill Park/Yates St Heritage Wall Added \$ 30,000	Storm Sewer Program increased \$ 1	Increased Bridges and Culverts \$ 1,370,000	Road Program Increased \$ 441,857
Increased Storm and Sewers \$ 130,001	Regional Projects Increased \$ 729,784	Race St Parking Lot Construction \$ 350,000	Accessibility Programme Increased \$ 170,000
Clean Water/Wastewater Fund NEW \$ 4,959,778	Shoreline Protection Added \$ 100,000	Corporate Infrastructure Increased \$ 480,000	Watercourses Increased (Dick's Creek) \$ 500,000
Airport Added \$ 248,632	St. Catharines Transit Added \$ 2,000,000	Fire Tower Replacement Added Back \$ 1,500,000	Bridges and Culverts Added \$ 885,000
Accessibility Programme Increase \$ 70,000	Fire Tower Design Added \$ 100,000		Market Square/City Hall Parking Lot Added \$ 300,000
Fire Training Tower Design Added \$ 100,000			Corporate Infrastructure Increased \$ 200,000
Watercourse - Briarsdale Creek Added \$ 100,000			
Watercourses - Martindale Pond Increased \$ 80,000			
Ontario Garage Stairway/Elevator Added \$ 270,000			
St. Catharines Transit Added \$ 495,000			
	\$ 7,330,411	\$ 4,799,785	\$ 5,470,000
			\$ 3,876,857

Projects Deferred/Reduced	Projects Deferred/Reduced	Projects Deferred/Reduced	Projects Deferred/Reduced
BasketBall Court Upgrades Decreased \$ 24,000	Park Washroom Upgrades \$ 100,000	Port Weller Washrooms Reduced \$ 150,000	Haig Bowl Washrooms Removed \$ 200,000
Decreased Roads \$ 2,000	Lock Wall Repairs/JohnPage Park \$ 200,000	Guy Road Parking Lot \$ 380,000	Tennis Courts Deferred \$ 200,000
Shoreline Protection Decrease \$ 364,000	Tree Planting Program Reduced \$ 25,000	Splash Pad Deferred \$ 250,000	Malcomson Park Parking Lot Deferred \$ 410,000
Building Improvements Decreased \$ 705,000	Russell Ave CC Repairs Deferred \$ 660,000	Regional Projects Reduced \$ 500,000	VLC Expansion Deferred \$ 500,000
Carlisle Garage Membrane Deferred \$ 100,000	Building Improvements Decreased \$ 90,000	Watercourses Reduced \$ 690,000	Regional Projects Reduced \$ 550,000
Race St Parking Lot Decrease(Design Left in) \$ 300,000	Fire Tower Replacement Deferred \$ 1,450,000	Removed Fire Communications Consoles \$ 1,500,000	Reduced Building Improvements \$ 277,000
	Watercourses Reduced \$ 350,000		
	Bridges and Culverts Reduced \$ 915,000		
	Carlisle Garage Membrane Reduced \$ 50,000		
	Garden Park Parking Lot Deferred \$ 410,000		
	Corporate Infrastructure Reduced \$ 100,000		
	\$ 1,495,000	\$ 4,350,000	\$ 3,470,000
	\$ 5,835,411	\$ 449,785	\$ 1,739,857