

## For Information Only

### 2016 Capital Projects in Progress and Completed Capital Projects

Presented To:	Audit Committee
Presented:	Tuesday, Jun 20, 2017
Report Date	Tuesday, Jun 06, 2017
Type:	Correspondence for Information Only

#### Resolution

For Information Only

#### Relationship to the Strategic Plan / Health Impact Assessment

This report refers to operational matters.

#### Report Summary

The purpose of this report is to provide a summary of the capital projects in progress as of December 31, 2016 as well as completed capital projects from October 2016 to March 2017.

#### Financial Implications

This report has no financial implications.

#### Signed By

**Report Prepared By**

Apryl Lukezic  
Co-ordinator of Budgets  
*Digitally Signed Jun 6, 17*

**Division Review**

Ed Stankiewicz  
Executive Director of Finance, Assets  
and Fleet  
*Digitally Signed Jun 6, 17*

**Recommended by the Department**

Kevin Fowke  
General Manager of Corporate  
Services  
*Digitally Signed Jun 6, 17*

**Financial Implications**

Apryl Lukezic  
Co-ordinator of Budgets  
*Digitally Signed Jun 6, 17*

**Recommended by the C.A.O.**

Ed Archer  
Chief Administrative Officer  
*Digitally Signed Jun 7, 17*

## **Background**

The capital fund balance represents the capital funding approved by previous Councils for capital projects that are unspent at the end of the year. The committed and unspent funding is for capital projects that have not commenced and/or are in progress. The majority of the projects are underway and funding will be spent within the next few years depending on the extent/timing of individual capital projects.

This report includes the following:

1. Capital Projects in Progress as of December 31, 2016 (which includes committed capital / unspent capital envelopes year end balance as well as committed reserve funds for capital projects).
2. Completed Capital Projects from October 2016 to March 2017.

### **1. Capital Projects in Progress as of December 31, 2016**

The overall balance of funds previously approved for capital projects is approximately \$186.5 million which will be spent in the coming years based on the timing and extent of the capital projects. For example, some water and wastewater plant projects and road projects require several years for completion. In addition, this balance also includes committed obligatory reserves funds including Federal and Provincial Gas Taxes as well as other development related deposits.

Appendix A is a summary which shows the breakdown of the unspent capital funds/committed reserve funds previously approved by department/division and Appendix B provides a list of those significant capital projects as of December 31, 2016. There are some projects with an amount in brackets under "unspent capital envelopes" column, as these are repaid from future envelopes as explained below for internally debt financed projects.

### **Committed Capital (= Unspent Capital Envelopes)**

The Committed Capital (unspent capital envelopes) balance as of December 31, 2015 was \$112 million which represents funds approved but not yet spent as projects have not commenced and/or are in progress. There are internal borrowings of \$20 million resulting in a capital fund balance of \$92 million.

The internally debt financed expenditures of \$20 million will be repaid to the Capital Fund with interest (charged at 1% above the average investment rate at the time the internal financing is approved in accordance with the City's Investment Policy) and funded in future years from capital envelopes, development charges and Section 391 charges. This balance consist of the following capital projects approved by Council: Levack Water Supply, South End Rock Tunnel, Kingsway water and wastewater project, Gerry McCrory - Countryside Sports Complex, South Branch Library, Mausoleum Phase 5 at Civic Cemetery, 1160 Lorne Street, Communications Infrastructure and the Lionel E. Lalonde Centre.

## **Committed Reserve Funds**

As of December 31, 2016, the balance in the committed reserve funds for capital projects is approximately \$64 million with another \$10 million included within obligatory reserve funds.

The committed reserve funds are set aside when approved by Council and transferred out of the reserve fund when the costs have been incurred. The funds within obligatory reserve funds are set aside to be spent for specific areas/projects in accordance with various agreements and contracts (ie. Federal Gas Tax).

## **2. Completed Capital Projects from October 2016 to March 2017**

Also included in this report are the completed capital projects in excess of \$200,000 as per the Capital Budget Policy.

The Capital Budget Policy was followed and has given authority to staff to reallocate funds between capital projects or transferred to the respective Capital Financing Reserve Fund.

Appendix C is a summary of all completed capital projects over \$200,000 and cancelled capital projects from the period of October 2016 to March 2017 including explanations for variances greater than \$50,000.

Appendix A - Capital Projects in Progress - Summary  
December 31, 2016

	Capital Fund (Non-Interest Bearing)	Future Financing (Spent)	Subtotal Committed Capital - 2016	City Reserve Funds (Interest Bearing)	Obligatory Reserve Funds	Total Capital Projects in Progress - 2016
<b>Infrastructure Services</b>						
Roads	31,109,384	-	31,109,384	21,096,230	8,316,298	60,521,912
Drains & Stormwater Management	7,368,775	-	7,368,775	7,454,294	(141)	14,822,928
Water	23,316,863	1,903,354	25,220,217	7,531,857	-	32,752,074
Wastewater	27,977,806	3,628,692	31,606,498	3,457,870	1,412,253	36,476,621
Environmental Services	1,417,910	291,435	1,709,346	815,210	-	2,524,556
Growth Related Projects	-	-	-	1,249,539	-	1,249,539
Facility Rationalization	80,530	-	80,530	-	-	80,530
Planning	80,158	-	80,158	808,243	105,170	993,571
Economic Development	-	-	-	1,920,179	-	1,920,179
	91,351,426	5,823,481	97,174,907	44,333,421	9,833,581	151,341,909
<b>Community Development</b>						
Healthy Communities	301,207	-	301,207	20,000	-	321,207
Leisure Services	(1,920,450)	4,953,539	3,033,089	2,241,343	274,189	5,548,621
Library & Citizen Services	(2,104,004)	2,894,100	790,096	79,957	-	870,052
Cemetery Services	116,064	240,098	356,161	81,513	-	437,674
Healthy Community Initiatives	796,112	-	796,112	-	-	796,112
	(2,811,072)	8,087,736	5,276,664	2,422,814	274,189	7,973,667
<b>Assets, Transit &amp; Fleet</b>						
Facilities	2,870,964	-	2,870,964	8,447,941	61,673	11,380,577
Transit	768,033	-	768,033	202,658	49,226	1,019,918
Fleet	328,245	-	328,245	1,756,455	-	2,084,701
Parking	(0)	-	(0)	155,907	-	155,907
	3,967,242	-	3,967,242	10,562,961	110,900	14,641,103
<b>Health, Social &amp; Emergency Services</b>						
Health & Social Services	1,059,951	-	1,059,951	77,435	-	1,137,387
Fire Services	792,878	-	792,878	143,686	-	936,564
Emergency Medical Services	434,973	-	434,973	676,387	-	1,111,359
Emergency Management	(1,824,018)	1,893,104	69,086	-	-	69,086
	463,784	1,893,104	2,356,888	897,507	-	3,254,396
<b>Administrative Services</b>						
Administration	1,169,713	-	1,169,713	51,759	-	1,221,472
Information Technology	783,182	-	783,182	915,519	-	1,698,701
ERP	1,741,964	-	1,741,964	254,865	-	1,996,829
Human Resources	2,610	-	2,610	-	-	2,610
	3,697,469	-	3,697,469	1,222,144	-	4,919,612
<b>Police</b>						
Police Services	0	-	0	4,047,366	-	4,047,366
Communication Infrastructure	(4,267,975)	4,267,975	(0)	359,573	-	359,573
	(4,267,975)	4,267,975	(0)	4,406,939	-	4,406,939
<b>TOTAL</b>	<b>92,400,874</b>	<b>20,072,296</b>	<b>112,473,170</b>	<b>63,845,786</b>	<b>10,218,670</b>	<b>186,537,626</b>

**Appendix B - Capital Projects in Progress - Detailed Listing**  
**December 31, 2016**

	<b>Capital Fund (non-interest bearing)</b>	<b>Future Financing (Spent)</b>	<b>Subtotal Committed Capital</b>	<b>City Reserve Funds (interest bearing)</b>	<b>Obligatory Reserve Funds</b>	<b>Total Capital Projects in Progress</b>
<b>Infrastructure Services</b>						
<b>Roads and Bridges</b>	31,109,384	-	31,109,384	21,096,230	8,316,298	60,521,912
<b>Roads</b>	25,841,395	-	25,841,395	18,351,947	8,316,298	52,509,640
Second Avenue (Sudbury)	6,271,121				140,000	6,411,121
Lorne Street	2,300,000				3,133,525	5,433,525
MR35	1,600,000				3,809,476	5,409,476
Contingency	1,597,289					1,597,289
MR89 from Skead Road to Rix Street	1,467,978					1,467,978
Frobisher Yard	1,173,602			71,383		1,244,985
Elgin Street Greenway	994,997			40,000		1,034,997
MR55 (CPR Overhead)	986,334					986,334
MR15	886,588					886,588
Skead Road	798,335					798,335
Cycling Infrastructure	793,121			473,890		1,267,010
Second Avenue (Coniston)	718,051					718,051
Regent, Bouchard, Southview	553,322					553,322
Traffic System Improvements	509,271					509,271
Rockfall Program	495,263					495,263
Ghandi Lane	395,110					395,110
MR 55 from Eve Street to Gorman	377,984					377,984
Brady Durham Greenstairs	370,361					370,361
Gutcher Ave	315,170			17,343		332,513
Leslie Street	295,000					295,000
Long Lake Road	289,320				99,250	388,570
Future Roads	276,027					276,027
Traffic Calming	265,000					265,000
AVL	248,633					248,633
Amanda Street	240,000					240,000
Property Acquisition	237,985					237,985
Depot yard Cleanup	214,384					214,384
Various Other Projects < \$200,000	1,436,336			420,193		1,856,528
Maley Drive	-			14,212,954		14,212,954
Moonlight Ave	-			980,385		980,385
Crean Hill	-			700,067		700,067
Barrydown Extension	-			497,760		497,760
MR84	-			459,999		459,999
Facer St SWOTS Design	-			400,000		400,000
Various Subdivisions Surface Asphalt	(265,189)			77,972	1,134,048	946,831

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<b>Bridges</b>	5,267,989	-	5,267,989	2,744,283	-	8,012,272
Vermillion Lk Bridge (MR55)	1,887,720					1,887,720
Mikkola Road Bridge	636,321					636,321
Douglas Street Bridge	487,394					487,394
Ironside Lake Road Bridge	464,874					464,874
Walter Street Bridge	400,000					400,000
Allan Street Bridge	287,070					287,070
Old Soo Road Culvert	275,000					275,000
Various Bridge Repairs	264,897					264,897
Frappier Road Bridge	131,811					131,811
Garson Coniston Road Bridge	100,000					100,000
Various Other Projects < \$100,000	332,902			45,443		378,345
Bowlands Bay Bridge	-			423,203		423,203
MR15 Bridges	-			761,239		761,239
William Ave. Bridge (Coniston)	-			494,940		494,940
Government Rd Bridge (Coniston)	-			424,700		424,700
Balsam St. Bridge	-			177,599		177,599
Riverside Drive Bridge	-			102,433		102,433
Black Lake Road Bridge	-			214,727		214,727
Kalmo Road	-			100,000		100,000
<b>Drains &amp; Stormwater Management</b>	7,368,775	-	7,368,775	7,454,294	(141)	14,822,928
East Branch Junction Creek Stormwater Management	2,154,623					2,154,623
Minnow Lake STS	1,513,373					1,513,373
Capreol Storm Drainage Improvements	953,444					953,444
Storm Sewer Upgrade	563,031					563,031
Val Caron Drain	474,137					474,137
Countryside Stormwater Pond	290,511					290,511
Whitson Paquette Drain	273,347			4,764,363		5,037,711
Dominion Park Drain Culvert	215,000					215,000
Upper Whitson River	153,656					153,656
Dominion Dr Concorde SW	130,000					130,000
Drainage Projects	114,984					114,984
Consulting Fees	95,960					95,960
Lake Nepahwin Treatment Station	75,324					75,324
Forest Court Outlet	60,000					60,000
Rockwood	58,786					58,786
Various Other Projects < \$50,000	242,599			2,689,930	(141)	2,932,388

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<b>Water</b>	23,316,863	1,903,354	25,220,217	7,531,857	-	32,752,074
<b>Plants</b>	11,411,713	1,903,354	13,315,067	704,653	-	14,019,720
Well Building Repairs	2,682,028					2,682,028
Val Caron Booster	1,653,890					1,653,890
Well Inspection Rehab	1,008,766					1,008,766
Onaping Wells Caustic Soda	477,792					477,792
David Street WTP	471,394					471,394
Security Improvements	459,300					459,300
SCADA Upgrades	443,843					443,843
SCADA Master Plan	395,620					395,620
Wahnapiitae WTP	377,553	1,360,739		54,653		1,792,945
Storage Tank Inspection	344,942					344,942
Plant Process Energy Optimization	297,427					297,427
Operating Manuals	283,105					283,105
Operational Optimization	250,000					250,000
Booster Station Upgrades	245,454					245,454
Health and Safety	242,245					242,245
Ramsey Lake Outfall	241,432					241,432
Water Filling Station	239,824					239,824
Misc. Repairs	209,709					209,709
Reactivator Upgrades	200,000					200,000
Various Projects < \$200,000	1,430,002					1,430,002
Vermilion WTP	-			650,000		650,000
New Valley East Wells	(542,615)	542,615				-

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**December 31, 2016**

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<b>Linear</b>	11,905,150	-	11,905,150	6,827,204	-	18,732,354
Maley Drive Watermain	1,228,433					1,228,433
Valley Water System	734,928					734,928
System Improvements	729,655					729,655
MR35	677,061			600,000		1,277,061
First Avenue (Coniston)	624,213					624,213
Lorne Street	554,591			1,720,341		2,274,932
Vermilion Water System	550,000					550,000
Whitefish Rechlorination Stat.	491,235					491,235
Watermain Rehabilitation	439,609					439,609
Wahnapiatae Trunk Design	400,694					400,694
Distribution System Optimization	400,000					400,000
St. Jerome Easement	375,000					375,000
Leak Detection	345,269					345,269
Water Valve Replacement	309,785					309,785
Second Avenue (Sudbury)	269,054			430,946		700,000
Arvo Street	264,678					264,678
As Built Drawings	216,687					216,687
MacLachlan Street	178,847					178,847
Ash / Adler St.	172,711					172,711
Third Ave (Lively)	156,888					156,888
MR80 Watermain	150,000					150,000
Water Air Release Valve	150,000					150,000
Watter Efficiency Plan	140,604					140,604
Dollard Avenue	136,230					136,230
Roger Street	134,433					134,433
Water Service Replacement	125,013					125,013
Parkwood Street	122,976					122,976
Elm Street	110,000					110,000
AVL	103,446					103,446
Distribution Support	100,428					100,428
Trench Rescue	100,000					100,000
Yorkshire Drive	100,000					100,000
Various Projects < \$100,000	1,332,684			486,201		1,818,885
Concrete Pressure Pipe	-			225,000		225,000
Moonlight Ave	-			324,569		324,569
AMR Water Meters	(20,000)			3,040,147		3,020,147



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<b>Wastewater</b>	27,977,806	3,628,692	31,606,498	3,457,870	1,412,253	36,476,621
<b>Plants</b>	21,832,567	1,842,835	23,675,401	1,297,637	-	24,973,039
Walden WWTP	6,313,105					6,313,105
Valley East WWTP	2,667,043					2,667,043
Copper Cliff WW System	2,462,032					2,462,032
Azilda WWTP	1,799,375					1,799,375
Charles Street Lift Station	1,450,307					1,450,307
Infrastructure Master Plan	1,384,098					1,384,098
Lift Station Upgrades	1,249,035					1,249,035
Chelmsford WWTP	976,651					976,651
Energy Savings Initiative	700,000					700,000
Biosolids Facility	520,774					520,774
Lively WWTP	513,700			250,000		763,700
SCADA Master Plan	464,923					464,923
Plant Process Energy Optimization	291,458					291,458
Operating Manuals	261,018					261,018
SCADA Upgrades	257,010					257,010
Belanger Lift Station	213,501					213,501
Pump Replacements	198,172					198,172
Wanipitae Lagoon	175,000					175,000
Security Improvements	154,754					154,754
Misc. Repairs	112,027					112,027
ROI Technologies Study	102,557					102,557
Demand-side Management	100,000					100,000
Operational Optimization	100,000					100,000
Asset Management Plan	100,000					100,000
Chelmsford Lagoon	100,000					100,000
Rock Tunnel	100,000			100,000		200,000
Various Projects < \$100,000	863,810			85,000		948,810
Meatbird Transfer Station	-			401,371		401,371
Upgrade Primary Lagoons	-			461,267		461,267
Sudbury WWTP	(1,797,784)	1,842,835				45,051

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**December 31, 2016**

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<b>Linear</b>	6,145,239	1,785,857	7,931,096	2,160,233	1,412,253	11,503,582
Gatchell Outfall Sewer	1,639,345			520,230		2,159,575
Lively Sewer System	576,015					576,015
Operating Manuals	560,640					560,640
Access Road	450,000					450,000
System Improvements	403,509					403,509
Regent, Bouchard, Southview	372,961					372,961
Moonlight Ave	350,000					350,000
Kingsway	307,030				56,298	363,328
I & I Annual Assessment	274,328					274,328
Combined Sewer Assessment	250,000					250,000
Lorne Street	230,500				387,268	617,768
Dollard Avenue	226,675					226,675
Collection Support	203,542					203,542
Arvo Street	179,484				7,329	186,813
Algonquin Sewer	175,711					175,711
Second Ave (Sudbury)	171,156					171,156
Sherwood (Section 391)	160,000					160,000
AVL	141,132					141,132
Sewer with Watermain	137,124					137,124
Frobisher Depot Upgrades	106,598					106,598
Trench Rescue Training	100,000					100,000
Various Other Projects < \$100,000	1,168,132			1,101,948	520,358	2,790,438
Preventative Plumbing	-			538,054		538,054
Levesque (Section 391)	(252,786)				441,000	188,214
Kingsway Project	(1,785,857)	1,785,857				-

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**December 31, 2016**

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<b>Environmental Services</b>	1,417,910	291,435	1,709,346	815,210	-	2,524,556
Hanmer LS - Cell Closure	753,874			216,741		970,615
Sudbury LS Cell Closure S&N	332,308			242,679		574,987
AVL	139,411					139,411
LS Cover & Hydroseeding	75,000					75,000
Sudbury LS Pad & Signs	73,622					73,622
Sudbury LS-C&D Site Ph 1	69,275					69,275
Scale - Sandblasting & Coating	60,000					60,000
Environmental Contingency	50,130					50,130
Azilda LF Cell Closure	50,039					50,039
Various Other Projects < \$50,000	105,686			15,672		121,358
Sudbury LS - Recycling Site Ph 2	-			340,118		340,118
Sudbury LS Landfill Gas	(291,435)	291,435				-
<b>Facility Rationalization</b>	80,530	-	80,530	-	-	80,530
Study Costs	80,530					80,530
<b>Planning</b>	80,158	-	80,158	105,000	105,170	290,328
Levack CIP	34,758					34,758
Elgin Street Greenway	17,460					17,460
Mapping Photography	15,654					15,654
Official Plan	10,230			105,000		115,230
Various Other Projects <\$10,000	2,055	-	-	-	-	2,055
Green Space	-				105,170	105,170
<b>Economic Development</b>	-	-	-	2,623,422		2,623,422
Walden Industrial Park	-			387,782		387,782
Industrial Land Strategy	-			315,460		315,460
Farmer's Market	-			1,920,179		1,920,179
<b>Growth Related Projects</b>	-	-	-	1,249,539	-	1,249,539
Development Cost Sharing	-			200,000		200,000
Growth Related Projects	-			1,049,539		1,049,539

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**December 31, 2016**

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<b>Community Development</b>						
<b>Healthy Communities</b>	301,207	-	301,207	20,000	-	321,207
Chelmsford Family Health Team	295,420			20,000		315,420
Various Project	5,787	-		-		5,787
<b>Leisure Services</b>	(1,920,450)	4,953,539	3,033,089	2,241,343	274,189	5,548,621
Accessibility	342,944					342,944
Nickel District Pool	220,250					220,250
Splash Parks (4)	200,000					200,000
Junction Creek Waterway Park	199,942					199,942
Lively Citizen Service Centre Roof	141,660					141,660
Tennis Court Resurfacing	140,100					140,100
Brebeuf Tennis Court	140,000					140,000
Capreol Arena	130,463					130,463
Onaping Splash Parks	100,956					100,956
Valley East Youth Centre	100,000			60,184		160,184
HARC Family Washroom	100,000					100,000
St. Joseph's Parking Lot	98,602			350,000		448,602
Queens Athletic Field	95,000					95,000
Bike Path	77,151					77,151
Blezard Valley Ball Field	52,801					52,801
Adanac Skill Hill Lift	52,558			1,202,442	130,000	1,385,000
RG Dow Pool - Roof	50,000					50,000
Various Other Projects <\$50,000	849,758			87,574	144,189	1,081,521
Bell Park Enhancements	-			300,000		300,000
Scoreboards	-			116,144		116,144
Feasibility Access Sports Comp	-			125,000		125,000
Northern Aquatic Centre	(59,096)					(59,096)
Countryside Arena	(4,953,539)	4,953,539				-
<b>Library &amp; Citizen Services</b>	(2,104,004)	2,894,100	790,096	79,957	-	870,052
Radio Frequency Identification	200,000					200,000
Library Archives	104,456					104,456
Historical Database	82,000					82,000
South End Renovations	59,713					59,713
Community Archives	40,000					40,000
MacKenzie Library Washrooms	39,046					39,046
Energy Retrofits	38,717					38,717
CD Contingency	33,401					33,401
Anderson Farm	30,355					30,355
Library Shelving	25,399					25,399
Museum Website	25,344					25,344
Azilda / Chelmsford CSC	25,000					25,000
Various Other Projects <\$20,000	86,666					86,666
Library / Art Gallery	-			79,957		79,957
South End Library	(2,894,100)	2,894,100				-

**Appendix B - Capital Projects in Progress - Detailed Listing**  
**December 31, 2016**

	<b>Capital Fund (non-interest bearing)</b>	<b>Future Financing (Spent)</b>	<b>Subtotal Committed Capital</b>	<b>City Reserve Funds (interest bearing)</b>	<b>Obligatory Reserve Funds</b>	<b>Total Capital Projects in Progress</b>
<b>Cemetery Services</b>	116,064	240,098	356,161	81,513	-	437,674
Civic Cemetery Rd Realignment	275,000			75,000		350,000
Long Lake Cemetery	37,401					37,401
Maplecrest Landscaping	33,284					33,284
Various Other Projects <\$5,000	10,476			6,513		16,989
Mausoleum Ph5	(240,098)	240,098				-
<b>Healthy Community Initiatives Fund</b>	796,112	-	796,112	-	-	796,112
<b>Assets, Transit &amp; Fleet</b>						
<b>Facilities</b>	2,870,964	-	2,870,964	8,447,941	61,673	11,380,577
<b>199 Larch Street</b>	119,930		119,930	1,700,802	-	1,820,732
Emergency Generator	85,000			477,662		562,662
Distribution Audit and Review	34,930			8,081		43,012
Skylight Replacement				218,857		218,857
Upper Concourse - Day Care Roof				150,000		150,000
HVAC - BAS/AV Upgrade				125,000		125,000
Electrical Distr Harmonics				115,000		115,000
Exhaust System Upgrade				75,000		75,000
Accessibility Audit				69,182		69,182
Plumbing Upgrades				50,205		50,205
Water Backflow Preventers				50,000		50,000
Lightning Protection				50,000		50,000
Generator Replacement				48,845		48,845
Elevator Equipment Guarding				42,525		42,525
Various Projects < \$40,000				220,444		220,444

**Appendix B - Capital Projects in Progress - Detailed Listing**  
**December 31, 2016**

	<b>Capital Fund (non-interest bearing)</b>	<b>Future Financing (Spent)</b>	<b>Subtotal Committed Capital</b>	<b>City Reserve Funds (interest bearing)</b>	<b>Obligatory Reserve Funds</b>	<b>Total Capital Projects in Progress</b>
<b>Tom Davies Square</b>	1,981,206		1,981,206	6,300,482	-	8,281,687
Generator Replacement	575,834					575,834
Elevator Upgrades	316,684			1,353,844		1,670,528
Automation System	125,000					125,000
HVAC Humidification	125,000					125,000
HVAC System Upgrade	125,000					125,000
Skylight Replacement	122,256					122,256
Cooling Coil Upgrade	93,474					93,474
Distribution Audit and Review	79,213					79,213
Electrical Systems	57,535					57,535
Air Quality Upgrades	44,149					44,149
Spandrel Connection	43,677					43,677
Automation System	42,687					42,687
Structural Report Repairs	41,483					41,483
Security Upgrades	37,991					37,991
Accessibility Equipment	35,000					35,000
Thermography for Ext Walls	30,000					30,000
Structural Repairs	28,895					28,895
Rain Water Drainage Repair	20,000					20,000
Various Other Projects <\$20,000	49,766					49,766
Courtyard Reno - Larch St.	-			3,383,171		3,383,171
Courtyard Reno - Larch St.	-			1,249,756		1,249,756
Natural Gas Boiler	-			175,979		175,979
Exterior Stairs	-			65,563		65,563
Boiler Replacement	(12,438)			72,168		59,730
<b>Various Other Facilities</b>	769,828		769,828	446,657	61,673	1,278,158
CLELC - Heating, Ventilation, Dehumudification	150,257					150,257
Solar Panels	109,999			301,783		411,782
CLELC Roof Repairs	100,000					100,000
Heating & Furnace Loops	72,965					72,965
Energy Conservation - Various Loc.	56,838					56,838
CLELC - Roof Repairs	55,000					55,000
Van Horne Station	50,608					50,608
Roof Repairs - Other Buildings	50,000					50,000
N/W Depot	30,000					30,000
Health and Safety Upgrade - EMS & Fire Halls	20,000					20,000
Various Other Projects <\$20,000	74,161					74,161
Long Lake Park	-				61,673	61,673
Loading Dock Bumpers	-			27,781		27,781
Door Replacement	-			117,093		117,093
<b>Transit</b>	768,033	-	768,033	202,658	49,226	1,019,918
Replacement Buses	588,691					588,691
Transit Master Plan	75,000					75,000
Garage Improvements	44,720			150,000	49,226	243,947
Wayfinding Program	25,338					25,338
Transit Buildings	21,324			49,336		70,661
Various Projects < \$20,000	12,960			3,322		16,282

**Appendix B - Capital Projects in Progress - Detailed Listing**  
**December 31, 2016**

	<b>Capital Fund (non-interest bearing)</b>	<b>Future Financing (Spent)</b>	<b>Subtotal Committed Capital</b>	<b>City Reserve Funds (interest bearing)</b>	<b>Obligatory Reserve Funds</b>	<b>Total Capital Projects in Progress</b>
<b>Fleet</b>	328,245	-	328,245	1,756,455	-	2,084,701
Multi Function Tandem	256,428			1,025,369		1,281,797
Cars	38,498			6,816		45,314
1 Ton Dump	31,754			147,948		179,702
Single Axle Dump Truck	-			208,014		208,014
Mini Vans	-			148,217		148,217
Fuel Storage Sites	-			71,360		71,360
Fleet Management Software	-			70,000		70,000
Vans	-			66,565		66,565
Various Projects < \$15,000	1,566			12,165		13,731
<b>Parking</b>	(0)	-	(0)	155,907	-	155,907
Signage	-			95,400		95,400
Parking Improvements	-			30,507		30,507
Pay & Display Machine	-			30,000		30,000
<b>Health, Social &amp; Emergency Services</b>						
<b>Health &amp; Social Services (Pioneer Manor)</b>	1,059,951	-	1,059,951	77,435	-	1,137,387
Pioneer Manor - Nurse Call Station	584,993			44,965		629,958
Pioneer Manor - Bed Redevelopment	240,000					240,000
Pioneer Manor - Parking	158,012					158,012
Pioneer Manor - Kronos Upgrade	33,506					33,506
Pioneer Manor - Food Services Equipment	21,066					21,066
Various Other Projects < \$10,000	22,374			12,781		35,155
Pioneer Manor - Fire Code Compliance	-			19,690		19,690
<b>Fire Services</b>	792,878	-	792,878	143,686	-	936,564
Personal Protective Equipment	272,445					272,445
Ladder Truck	121,800					121,800
Station Generator	90,989					90,989
Prevention System	86,103					86,103
Outdoor Signs	61,386					61,386
Communication & Technology	58,922					58,922
Vehicle Extrication Tools	54,726					54,726
Primary Firefighting Equipment	23,158					23,158
SCBA Fill Stations	10,000					10,000
Various Other Projects < \$10,000	13,347					13,347
Records Management System	-			114,597		114,597
Incident Management	-			29,088		29,088
<b>Emergency Medical Services</b>	434,973	-	434,973	676,387	-	1,111,359
EMS Station Development	291,586					291,586
Medical Equipment / Supplies	108,240					108,240
Personal Protective Equipment	-			270,000		270,000
Paramedic Response Unit	-			159,111		159,111
New Defibrillators	-			75,658		75,658
Various Other Projects < \$45,000	35,146			171,618		206,764

**Appendix B - Capital Projects in Progress - Detailed Listing**  
**December 31, 2016**

	<b>Capital Fund (non-interest bearing)</b>	<b>Future Financing (Spent)</b>	<b>Subtotal Committed Capital</b>	<b>City Reserve Funds (interest bearing)</b>	<b>Obligatory Reserve Funds</b>	<b>Total Capital Projects in Progress</b>
<b>Emergency Management</b>	(1,824,018)	1,893,104	69,086	-	-	69,086
EOC Renewal Equipment	45,480					45,480
Equipment Upgrades	23,606					23,606
Lionel E Lalonde Center	(1,893,104)	1,893,104				-
<b>Administrative Services</b>						
<b>Administration</b>	1,169,713	-	1,169,713	51,759	-	1,221,472
Corporate Infrastructure	298,464					298,464
Document Central Printer	273,886					273,886
TDS Committee Room	173,123					173,123
Telephone Upgrades	172,711			51,759		224,470
Central Mailing Equipment	148,385					148,385
Furniture Upgrades	89,141					89,141
Various Other Projects < \$15,000	14,002					14,002
<b>Information Technology</b>	783,182	-	783,182	915,519	-	1,698,701
Microsoft Products	249,117			500,000		749,117
Network Wireless Infrastructure	102,164					102,164
Geographic Information	90,623			84,849		175,472
Network Switches	89,504					89,504
SAN Upgrade	86,991					86,991
Business Applications	82,982			248,112		331,094
Audit Logging Software	61,442			82,558		144,000
Various Other Projects < \$15,000	20,359					20,359
<b>ERP</b>	1,741,964	-	1,741,964	254,865	-	1,996,829
MMMS ERP	1,451,714					1,451,714
ERP Training	163,784					163,784
Misc Project Costs	102,000					102,000
HRMS Upgrade	24,465					24,465
FMIS Upgrade	-			254,865		254,865



**Appendix B - Capital Projects in Progress - Detailed Listing**  
**December 31, 2016**

	<b>Capital Fund (non-interest bearing)</b>	<b>Future Financing (Spent)</b>	<b>Subtotal Committed Capital</b>	<b>City Reserve Funds (interest bearing)</b>	<b>Obligatory Reserve Funds</b>	<b>Total Capital Projects in Progress</b>
<b>Human Resources</b>	2,610	-	2,610	-	-	2,610
Ergonomic Assessments / Corporate ID Cards	(4,807)					(4,807)
Corporate ID Cards	7,417					7,417
<b>Police</b>						
<b>Police Services</b>	0.00	-	0.00	4,047,366	-	4,047,366
Leasehold Improvements	-			3,287,537		3,287,537
Renovations	-			357,717		357,717
Communications Equipment	-			172,989		172,989
Automation Equipment	-			109,635		109,635
COPS Radio	-			50,000		50,000
Fleet	-			35,535		35,535
Police Equipment / Supplies	-			24,764		24,764
Security	-			9,189		9,189
<b>Communication Infrastructure</b>	(4,267,975)	4,267,975	-	359,573	-	359,573
Communication Infrastructure	(4,267,975)	4,267,975				-
Lightning Protection	-			200,135		200,135
Backup Generator	-			159,439		159,439
<b>TOTAL</b>	<b>92,400,874</b>	<b>20,072,296</b>	<b>112,473,170</b>	<b>63,845,786</b>	<b>10,218,670</b>	<b>186,537,626</b>

Appendix C  
City of Greater Sudbury  
Completed Capital Projects over \$200,000  
Completed between October 2016 to March 2017

Note - For all projects below, transfers have been completed in accordance with the Capital Budget Policy and variances greater than \$50,000 have been explained.

Department	Division	Project Description	Year Started	Total Original Budget	Final Cost	Variance	Notes	
Growth & Infrastructure Services	Roads	Consulting Services - Future Roads Projects 2012 Capital Budget	2012	300,000	243,113	56,887	1	
		Dollard Avenue from Madison Avenue to End 2014 Capital Budget	2014	625,000	1,031,510	(406,510)	2	
		Montpellier Road South Culvert 2016 Capital Budget	2016	300,000	330,038	(30,038)		
		MR 15 from 1.6km West of Martin Road to 4.6km West of Martin Road 2015 Capital Budget	2015	3,100,000	2,214,351	885,649	3	
		Old Highway 17 (MR55) from Bridge at Eve Street to Gorman Avenue, and Old Highway 17 (MR55) from 1.4km East of McCharles Lake Road to McCharles Lake Road 2015 Capital Budget 2015 Capital Budget City Council Resolution #2015-173 - Reserve Road in conjunction with Whitefish Lake First Nation City Council Resolution #2015-173 - Funds from Whitefish Lake First Nation for Turning Lane	2015	2,550,000 2,100,000 240,000 315,339				
				5,205,339	4,827,355	377,984	4	
		Sidewalk/Curb 2016 Capital Budget	2016	500,000	1,435,598	(935,598)	5	
		Surface Treatment 2016 Capital Budget	2016	1,233,000	1,285,707	(52,707)	6	
		Large Asphalt Patching (Various Locations) 2016 Capital Budget	2016	2,000,000	2,052,743	(52,743)	7	
		St. Nicholas Street from Edinburgh Street to Wembly Drive 2016 Capital Budget	2016	410,000	487,581	(77,581)	8	
Long Lake Road from Highway 17 to 0.8km South 2016 Capital Budget	2016	1,500,000	986,430	513,570	9			

Division	Department	Project Description	Year Started	Total Original Budget	Final Cost	Variance	Notes
Growth & Infrastructure Services	Roads	Paul Street from Graham Road to Caroline Street 2016 Capital Budget	2016	480,000	509,813	(29,813)	
		Carol Street from MR80 to Suzanne Street 2016 Capital Budget	2016	220,000	247,627	(27,627)	
		Clifford Crescent from Percy Avenue to Flake Street 2016 Capital Budget	2016	230,000	177,276	52,724	10
		Various Bridge/Culvert Repairs 2014 Capital Budget	2014	1,000,000	584,563	415,437	11
		Guide Rail Installations 2016 Capital Budget	2016	250,000	198,352	51,648	12
		Nicole Street from Arlington Drive to Riverside Drive 2016 Capital Budget	2016	220,000	193,662	26,338	
		Normand Avenue from Leonard Avenue North to Arlingtor 2016 Capital Budget	2016	180,000	218,622	(38,622)	
	Water	Watermain Rehabilitation 2015 Capital Budget	2015	1,000,000	646,647	353,353	13
	Roger Street from Mildred Street to 255m North 2016 Capital Budget	2016	650,000	657,705	(7,705)		
	Watermain Rehabilitation 2016 Capital Budget	2016	1,000,000	892,740	107,260	14	
	St. Nicholas Street from Edinburgh Street to Wembley Street 2016 Capital Budget	2016	150,000	356,265	(206,265)	15	
	Strathmere Lining (Robinson Drive East to Robinson Drive West) 2017 Capital Budget	2017	250,000	285,301	(35,301)		
	Ramsey Lake Outfall 2007 Capital Budget 2014 Capital Budget		100,000 300,000				
				400,000	586,418	(186,418)	16
	Linden Well 2008 Capital Budget		50,000				
				50,000	398,572	(348,572)	17

Division	Department	Project Description	Year Started	Total Original Budget	Final Cost	Variance	Notes
	Solid Waste	<b>Sudbury Landfill - Landfill Gas Collection System</b>	2015				
		2015 Capital Budget		765,747	653,994	111,753	18
		<b>Scales, Guards &amp; Scale Houses - Miscellaneous Repairs and Transfer Station - Kiosks and Site Repairs</b>	2016				
		2016 Capital Budget (Scale Houses)		148,000			
		2016 Capital Budget (Transfer Station)		38,000			
				186,000	265,142	(79,142)	19
Community Safety	EMS	<b>Vehicles - Ambulance x 3</b>	2016				
		2016 Capital Budget		455,432			
		Insurance Proceeds		151,330			
				606,762	559,432	47,330	
	Fire	<b>Light Rescue Vehicles</b>	2016				
		2014 Capital Budget (2 units)		365,928			
		2012 Capital Budget (1 unit)		128,284			
		2013 Capital Budget (1 unit)		357,875			
				852,087	1,001,176	(149,089)	20
		<b>Vans/Cars x2</b>	2010				
		2010 Capital Budget (Vans/Cars x2)		83,363	231,895	(148,532)	21
		<b>Primary Firefighting Equipment and Specialized Firefighting Equipment</b>	2016				
		2016 Capital Budget (Primary)		87,195			
		2016 Capital Budget (Specialized)		121,280			
				208,475	206,799	1,676	
Corporate Services	ERP	<b>ERP Peoplesoft Projects - HRMS upgrade</b>	2015				
		2015 Capital Budget		339,905	315,440	24,465	
	Fleet	<b>3/4 Ton 4x4 Pickup/Crew Cabs</b>	2016				
		2016 Capital Budget		210,000			
		2015 Capital Budget		240,000			
				450,000	428,720	21,280	
Community Development	Transit	<b>Bus Rebuilds</b>	2016				
		2016 Capital Budget		360,000	395,266	(35,266)	

Division	Department	Project Description	Year Started	Total Original Budget	Final Cost	Variance	Notes
<b>Cancelled Projects</b>			Budget Year				
<b>Growth &amp; Infrastructure Services</b>	<b>Planning</b>	Levack CIP (Community Improvement Program)	2013	35,000	700	34,300	<b>22</b>
	<b>Roads</b>	Control Arms - Maley	2010	150,000	0	150,000	<b>23</b>
		Claude Street	2014	60,000	0	60,000	<b>24</b>
	<b>Water</b>	W/WW Disposal Site	2012	25,000	0	25,000	<b>25</b>
<b>Community Development</b>	<b>Pioneer Mano</b>	Telephone System	2013	70,000	-	70,000	<b>26</b>
<b>Corporate Services</b>	<b>Assets</b>	Various Roof Scans	2015	40,000	-	40,000	<b>27</b>
		Smoke Seal and Firestop	2014	25,000	-	25,000	<b>28</b>
		Elevator Car Door Restrictors	2014	25,000	-	25,000	<b>29</b>
		Smoke Seal and Firestop	2015	25,000	-	25,000	<b>30</b>
<b>Community Safety</b>	<b>Fire</b>	Bush Truck	2008	125,000	-	125,000	<b>31</b>

**Variance Explanation Notes:**

1	Consultants were retained for future road project investigation and design services resulting in expenditures less than budgeted.  The surplus was transferred to the Transportation Study.
2	Actual expenditures were higher than budgeted due to additional storm sewer replacement requirements that were not accounted for in the budget estimate. The storm sewer on Dollard was very deep with construction required in poor soil conditions which also required additional restoration to surface works.  The overexpenditures were funded from Contingency (\$74K), Niemi Road (\$239K) and Long Lake Road (\$92K).
3	Actual expenditures were lower than budgeted as received favourable tender prices lower than the budget estimate, and also because a portion of the scope of work was deferred to 2017 to be completed with two bridge rehabilitations that were within the pavement rehab limits.  The underexpenditures were used to fund Garson Coniston Road Bridge (\$660K), Old Soo Road Culvert (\$90K) and Junction Creek Bridge Kelly Lake Road (\$136K).
4	Actual expenditures were lower than budgeted due to favourable tender pricing lower than the budget estimate.  The surplus was transferred to fund overexpenditures in Kelly Lake Road from Lorne to Bridge project.
5	Actual expenditures were higher than budgeted due to the scope of sidewalk and curb work being increased to use sidewalk funding from previous years. Also, additional repair areas were identified during construction.  The overexpenditures were funded from other 2015 and 2014 Sidewalk/Curb (\$422K), 2015 and 2014 Traffic Calming (\$196K), Long Lake Road (\$125K) and Skead Road (\$175K).
6	Actual expenditures were slightly higher than budgeted due to additional road and driveway repair work that was identified during construction.  The overexpenditures were funded from the Long Lake Road project.
7	Actual expenditures were slightly higher than budgeted due to additional patching work identified during construction.  The overexpenditures were funded from the Future Road Projects.
8	Actual expenditures were higher than budgeted due to issues related to coordination with school board drainage and road work required by site plan control.  The overexpenditure was funded from the Roads Contingency account.
9	Actual expenditures were lower than budgeted due to favourable tender pricing lower than the budget estimate.  The surplus was used to fund 2016 Sidewalk/Curb (\$125K), Mikkola Road Bridge (\$160K), Froid Rd System Improvement (\$105K), Dollard Avenue (\$92K), Elgin Street (\$21K), and MR 15 MR 80 Intersection Improvements (\$11K).
10	Actual expenditures were lower than budgeted due to the road rehabilitation, drainage and driveway work being less than expected.  The surplus was used to fund Carol Street (\$12K) and 2017 Surface Treatment of (\$41K).
11	Actual expenditures were lower than budgeted due to a combination of favourable tender pricing and remaining scope of work amalgamated with 2016 bridge/culvert repair.  The surplus was used to fund 2016 Bridge Repairs.
12	Actual expenditures were lower than budgeted due to favourable tender pricing.  The surplus was used to fund Future Road Projects.
13	Actual expenditures were lower than budgeted due to the tendered contract coming in lower than estimates.  The remaining surplus was transferred to fund overexpenditures for Beatrice (\$231K) and Ash (\$122K) water mains.

14	Actual expenditures were lower than budgeted due to the fact that this is an annual envelope on a multi year contract. Surplus is carried forward to fund lining in the following year.  The remaining surplus will be used to cover any anticipated deficits for 2017 capital projects or will be transferred to the Capital Financing Reserve Fund - Water during the 2017 year end.
15	Actual expenditures were higher than budgeted due to tender coming in higher than estimate.  The overexpenditures were funded from 2015 St. Nicholas (\$170K) and 2015 Contingency (\$36K).
16	Actual expenditures were higher than budgeted due to under estimating cost prior to completing design phase.  The overexpenditures were funded from Operating Manuals (\$136K), and Water Quality Sampling (\$50K).
17	Actual expenditures were higher than budgeted due to immediate need of generator replacement being added to project scope.  The overexpenditures were funded from Garson Well (\$323K) and 2010 Contingency (\$25K).
18	Actual expenditures were lower than budget due to less work being completed.  The surplus was transferred to 2015 Sudbury Landfill Site Cell Closure project.
19	This was an unbudgeted emergency item that required re-allocation of funds from other accounts.  The overexpenditures was funded from the Azilda Stormwater Pond (\$69K), Azilda Landfill Site Access Road (\$10K).
20	Staff purchased vehicles based on current and emerging priority needs. The budget for the four light rescue vehicles was used to purchase three commercial pumper.  The overexpenditures were funded from 2013 SCBA (\$53K), 2012 Technical Vehicle (\$72K), and 2014 Pagers (\$24K).
21	Actual expenditures were higher than budget as staff purchased vehicles (3 command units and 1 pickup truck) based on current and emerging priority needs.  The overexpenditures were funded from the cancellation of 2008 Bush Truck budget of \$125K and funding from 2008 Hazmat training.
22	The project was cancelled as funds were reallocated to the Chelmsford CIP as approved by Council during 2017. There were no additional costs expected for the Levack CIP so it has been deferred for the time being and funds reallocated to the Chelmsford CIP.
23	The project was cancelled as funds were reallocated to Arvo Street project. The original project was canceled due to the work being completed by the rail company.
24	The project was cancelled as funds were reallocated to Long Lake Road project. Claude Street was paved and charged to a Curb and Sidewalk Replacement & Road Upgrading account in a previous year. Therefore, the budget for Claude Street was reallocated.
25	The project was cancelled as funds were reallocated to Stanley Street (from Ash to Pine) project. The original project was originally allocated in order to purchase land for Distribution & Collection dump sites. With the new policies in regard to dumping, this land is no longer required.
26	The project was cancelled as funds were reallocated to the Nurse Call System project and no longer required for a telephone upgrade project.
27	The project was cancelled as funds were reallocated to the Tom Davies Square - Elevator Replacement project. This project will be rebudgeted in a future budget year.
28	The project was cancelled as funds were reallocated to Tom Davies Square - Building Shell Investigation/Repairs (\$11K) and Tom Davies Square Elevator Replacement project (\$14K). This work is being completed as part of the Elevator project.
29	The project was cancelled as funds were reallocated to the Tom Davies Square - Elevator Replacement project. This project for 190 Brady will be rebudgeted in a future year.
30	The project was cancelled as funds were reallocated to the Tom Davies Square - Elevator Replacement project. This work is being completed as part of the Elevator project.
31	The project was cancelled as funds were reallocated to fund the purchases of the command units and pick up truck.