

For Information Only

2018 Capital Completed Projects

Presented To: Finance and
Administration
Committee

Presented: Tuesday, Jun 04, 2019

Report Date Tuesday, May 21, 2019

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 the completed capital projects from April 1, 2018 to December 31, 2018 as well as cancelled capital projects for the same period.

Financial Implications

This report has no financial implications.

Signed By

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In accordance with the Capital Budget Policy, approved by City Council in January 2019, this capital variance report identifies capital projects in excess of \$200,000 which have been completed for the period of April 1, 2018 to December 31, 2018, as well as the cancelled projects for the same period. Variance explanations are included for variances over \$100,000 on completed capital projects (Appendix A) as well as cancelled capital projects (Appendix C).

For the capital projects with variances over \$100,000, the collective variance amount that were over budget totaled \$7.1 million, while the capital projects that were under budget had a variance of \$13.2 million. Appendix A provides explanations of the variances as well as how the capital project surpluses/deficits were handled. The variances were as a result of tender pricing or relating to site conditions/scope changes. Most of the capital projects have achieved their approved scope.

The Capital Budget Policy in effect when these projects were completed enabled staff to reallocate funds when projects were projected to exceed the approved budgets due to tender pricing or site conditions/scope changes in order to ensure completion of the approved scope of the project. These reallocations would have been from surpluses from other projects, or where lower priority projects were cancelled and would be reprioritized in future capital budgets.

The report includes three appendices as listed below:

1. Appendix A –

Completed Capital Projects over \$200,000 with variances over \$100,000

This appendix provides a listing of all completed capital projects over \$200,000 with explanations of variances over \$100,000.

2. Appendix B –

Completed Capital Projects over \$200,000 with variances below \$100,000

This appendix provides a listing of all completed capital projects over \$200,000 with variances below the threshold of \$100,000.

3. Appendix C – Cancelled Capital Projects

This appendix provides a listing of all cancelled capital projects with variance explanations. It does not include any cancelled projects (those with no activity in past 24 months) that were previously provided in the Capital Status Update Report to the Finance & Administration Committee at the April 16, 2019 meeting.

At the Finance & Administration Committee meeting on April 16, 2019, the Committee approved the creation and funding of the three Holding Account Reserves (Capital General, Water and Wastewater) that will be used to fund all project deficits from other project surpluses contributed to these reserves. As a result, there are no capital projects that were completed for the period of January 1, 2019 to March 31, 2019 and no activity in the related Holding Accounts.

Appendix A - Variances over \$100,000
City of Greater Sudbury
Completed Capital Projects over \$200,000
Completed between April 1, 2018 to December 31, 2018

Note - The projects listed below have variances over \$100,000 which explanations and transfers have been completed in accordance with the Capital Budget Policy in effect as of December 31, 2018.

							Achieved Approved Scope per Original Budget (yes or no)	
Division	Project Description	Year Started	Budget	Total Original Budget	Final Cost	Variance		Explanation
Variances Over \$100,000								
CAO's Office								
Economic Development	Industrial Land Strategy - Conceptual Design	2011	Recommendation #2009-36	475,000			no	The design work achieved the scope of the original project, but the implementation of the capital work was not completed. It will be brought forward as part of future budget considerations.
			NOHFC Grant	17,378				
			FedNor Grant	84,152				
			Total	576,530				
Economic Development	Walden Industrial Park - Engineering Assessment	2012	Recommendation #2011-269	500,000	168,817	331,183	no	The design work achieved the original scope of project. Project implementation is outstanding as additional work with stakeholders is required and will be brought forward for future budget considerations when project is recommended to proceed.
							The surplus funds were transferred to Industrial Reserve Fund.	
Growth & Infrastructure								
Bridge Rehabilitation	Junction Creek Bridge Kelly Lake Road	2017	2017 Capital Budget	2,000,000	3,231,823	(1,231,823)	yes	Actual expenses were greater than budgeted due to the addition of a temporary detour bridge, associated detour bridge approaches and abutments. As a result of the temporary bridge, gas main temporary supports were required and added to the construction scope. The over expenditure was funded from MR84 Capreol Lake Road (\$840K), Power Street (\$330K), and Azilda Subdivision (\$62K).
Bridge Rehabilitation	MR 15 Bridges (2)	2013	2011 Capital Budget	1,500,000			yes	Actual expenses were greater than budgeted due to the tender price coming in higher than budget amount (\$200k) and change orders (\$70k). The remainder of this variance was due to the use of this account to fund all engineering work required for the four MR15 bridges. The over expenditure was funded from Roads Contingency (\$579K), Kingsway (\$218K), Jean Street (\$156K), Future Roads (\$114K), and MR15 MR80 (\$100K).
			2013 Capital Budget	550,000				
			Total	2,050,000				
Bridge Rehabilitation	MR15 Whitson River Bridges	2017	2017 Capital Budget	2,230,000	2,597,847	(367,847)	yes	Actual expenses were greater than budgeted due to increase in scope which included the requirement of a large culvert replacement and guide rail replacement. The over expenditure was funded from Second Avenue (Sudbury).
Bridge Rehabilitation	MR 55 - CPR Overhead Bridge (Westbound)	2017	2015 Capital Budget	1,000,000			yes	Actual expenses were greater than budgeted due to the tender price coming in higher than the budget amount. Change orders to a total of approximately \$70,000 were issued for this contract. The over expenditure was funded from MR 15.
			2017 Capital Budget	1,020,000				
			Total	2,020,000				
Roads	Amanda Street from Second Avenue (Coniston) to East End	2017	2015 Capital Budget	240,000	103,020	136,980	yes	Actual expenses were lower than budgeted due to favourable unit prices lower than estimated. The surplus funds were transferred to Brady Durham Green stairs (\$112K), and several minor transfers to various accounts (each for less than \$6,700).
Roads	Arvo Street	2016	2016 Capital Budget	460,000	788,755	(328,755)	yes	Actual expenses were greater than budgeted due to unforeseen site conditions including existing intermittent concrete base that resulted in substantial scope changes and change orders. The over expenditure was funded from Lamothe Street.

Appendix A - Variances over \$100,000
City of Greater Sudbury
Completed Capital Projects over \$200,000
Completed between April 1, 2018 to December 31, 2018

Note - The projects listed below have variances over \$100,000 which explanations and transfers have been completed in accordance with the Capital Budget Policy in effect as of December 31, 2018.

Division	Project Description	Year Started	Budget	Total Original Budget	Final Cost	Variance	Achieved Approved Scope per Original Budget (yes or no)	Explanation
Roads	Azilda Subdivisions	2017					yes	Actual expenses were lower than budgeted due to favourable tender prices for asphalt and granular A.
	Birch Subdivision - Donald from Maple to Oak		2017 Capital Budget	320,000				
	Birch Subdivision - Donald Street		2017 Capital Budget	200,000				
	Birch Subdivision - Oak Street		2017 Capital Budget	120,000				
	Birch Subdivision - Cedar Street		2017 Capital Budget	100,000				
			Total	740,000	513,089	226,911		
Roads	CWWWF - MR55 - Culvert	2017	Resolution CC2016-339	630,000	1,100,202	(470,202)	yes	Actual expenses were greater than budgeted due to tender prices higher than estimated. The over expenditure was funded from reallocations within the Clean Water/Wastewater Fund projects.
Roads	CWWWF - Nickel Basin - McKenzie Creek Culvert	2017	Resolution CC2016-339	500,000	227,677	272,323	yes	Actual expenses were lower than budgeted due to favourable unit prices that were lower than estimated. The surplus funds were transferred between the Clean Water/Wastewater Fund projects, with any remaining City funds to be transferred to the Capital Holding account in Q2 2019.
Roads	CWWWF - Tilton Lake Road Culvert	2017	Resolution CC2016-339	330,000	189,505	140,495	yes	Actual expenses were lower than budgeted due to favourable unit prices that were lower than estimated. The surplus funds were transferred between the Clean Water/Wastewater Fund projects, with any remaining City funds to be transferred to the Capital Holding account in Q2 2019.
Roads	Danforth Avenue from Fielding Street to Barrington Street	2018	2018 Capital Budget	770,000	601,947	168,053	yes	Actual expenses were lower than budgeted due to favourable unit prices that were lower than estimated. The surplus funds will be transferred to the Capital Holding account in Q2 2019.
Roads	Future Roads Projects	2017	2017 Capital Budget	500,000	55,304	444,696	yes	Budget was transferred into the 2018 Future Roads account for consultants/design for future road projects.
Roads	Hesta Street	2017	2017 Capital Budget	357,000	253,617	103,383	yes	Actual expenses were lower than budgeted due to favourable unit prices that were lower than estimated. The surplus funds were transferred to Bridge Inspections (\$58K), and Creighton Road (\$45K).
Roads	MR 84 from Capreol Lake Road to Suez Drive	2017	2017 Capital Budget	3,300,000	1,921,350	1,378,650	yes	Actual expenses were lower than budgeted due to favourable unit prices that were lower than estimated. The surplus funds were transferred to Junction Creek Bridge/Kelly Lake Road (\$840K), Beatty Street (\$340K), Railway Crossings (\$119K), and Various Bridge Repairs (\$60K).
Roads	MR55 to McCharles Lake Road 1.75km W	2017	2017 Capital Budget	2,565,000	1,996,757	568,243	yes	Actual expenses were lower than budgeted due to favourable unit prices that were lower than estimated. The surplus funds were transferred to Vermillion Lake Bridge (\$250K), Dominion Drive (\$250K), with the remaining being transferred to the Capital Holding account in Q2 2019.
Roads	Power Street from MR 55 to Collins Drive	2017	2017 Capital Budget	830,000	396,103	433,897	yes	Actual expenses were lower than budgeted due to favourable unit prices that were lower than estimated. The surplus funds were transferred to Junction Creek Bridge/Kelly Lake Road (\$330K), Field Street (\$30K), Paris/ND Cycling (\$25K), Travel Demand Management Study (\$17K), Surface Treatment (\$17K), Traffic Calming (\$7K), Westmount (\$7K), and LaSalle Corridor Study (\$1K).

Appendix A - Variances over \$100,000
City of Greater Sudbury
Completed Capital Projects over \$200,000
Completed between April 1, 2018 to December 31, 2018

Note - The projects listed below have variances over \$100,000 which explanations and transfers have been completed in accordance with the Capital Budget Policy in effect as of December 31, 2018.

Division	Project Description	Year Started	Budget	Total Original Budget	Final Cost	Variance	Achieved Approved Scope per Original Budget (yes or no)	Explanation
Roads	Railway Crossing Improvements	2016	2016 Capital Budget	370,000	797,786	(427,786)	yes	Actual expenses were greater than budgeted due to the use of surplus road project accounts to fund railway projects in lieu of the use of previously approved railway accounts. The over expenditure was funded from Moonlight Avenue (\$160K), MR84 Capreol (\$119K), Railway Crossing Improvements (\$81K), Aurora Street (\$42K), and Tremblay Street (\$25K).
Roads	Second Avenue (Coniston) Hwy 17 to Concession Street	2015	2015 Capital Budget	885,000	420,248	464,752	yes	Actual expenses were lower than budgeted due to favourable unit prices that were lower than estimated. Also, a scope reduction was realized due to favourable field conditions. The surplus funds will be transferred to the Capital Holding account in Q2 2019.
Roads	Second Avenue (Sudbury)	2014	2014 Capital Budget	4,900,000	6,193,305	806,695	yes	Actual expenses were lower than budgeted due to favourable unit prices that were lower than estimated. The surplus funds were transferred to MR15 Whitson River Bridges (\$570K), Dominion Drive (\$200K) with the remaining being transferred to the Capital Holding account in Q2 2019.
	Second Avenue (Sudbury)		2015 Capital Budget	800,000				
	Second Avenue - Extend to First Avenue		2016 Capital Budget	800,000				
	Second Avenue Additional Costs		2017 Capital Budget	500,000				
	Second Avenue from Donna Drive to Kenwood Street		Total	7,000,000				
Roads	Skead Road (MR 86) from MR 89 to Old Skead Road North	2016	2016 Capital Budget	3,900,000	3,017,136	882,864	yes	Actual expenses were lower than budgeted due to favourable unit prices that were lower than estimated. The surplus funds were transferred to Crean Hill Road (\$250K), Sidewalks (\$175K), MR 4 (\$151K), Automatic Vehicle Locator (\$120K), with the remaining being transferred to the Capital Holding account in Q2 2019.
Roads	Surface Treatment	2017	2017 Capital Budget	1,276,000	1,401,298	(125,298)	yes	Actual expenses were greater than budgeted due to tender prices that were higher than estimated. The over expenditure was funded from Clifford Crescent (\$41K), Carol Street (\$35K), Hope Street (\$20K), Power Street (\$17K), and Roads Contingency (\$12K).
Drains	Val Caron Drain	2007	2006 Capital Budget	100,000	1,496,049	(389,399)	no	This project was trending over budget as the costs for the drain channel and associated pipe were higher than expected as well as various purchases of land that was not part of the original estimate. A decision was made to halt the progress and postpone the project until the completion of the Whitson River Watershed Study which will identify new priorities. The outstanding work is the stormwater management pond and final channel works. The over expenditure was funded from Roads Contingency.
	Main Street to Pilon Street - Drain		2006 Capital Budget	150,000				
	Fifth Street Storm Sewer (Val Caron)		2006 Capital Budget	50,000				
	Val Caron Retention Pond (Property)		2006 Capital Budget	100,000				
	Main Street Trunk Storm Sewer		2007 Capital Budget	238,650				
	Upper Val Caron Pond		2008 Capital Budget	193,000				
	Fifth Street Storm Sewer (Val Caron)		2008 Capital Budget	100,000				
	Main Street		2011 Capital Budget	100,000				
	Val Caron Municipal Drain		2013 Capital Budget	75,000				
	Val Caron Drain		Total	1,106,650				
Drains	Horizon Watershed Stormwater Management Facility	2013	2011 Developer's Share	584,990	96,984	988,006	no	Project has been postponed and funds moved to reserve until Whitson River Watershed Study identifies a priority for the project to best serve the community. The developer's portion of funding that was unused (and therefore not received) was reversed (\$573K). Additional surplus was transferred to Countryside Drain (\$415K).
			2012 Capital Budget	500,000				
			Total	1,084,990				
Water Linear	Automatic Vehicle Locator	2014	2014 Capital Budget	300,000	196,554	103,446	yes	Actual expenses were lower than budgeted due to the fact that the number of vehicles requiring automatic vehicle locators was less than originally estimated. The surplus funds were transferred to the Capital Financing Reserve Fund - Water.

Appendix A - Variances over \$100,000
City of Greater Sudbury
Completed Capital Projects over \$200,000
Completed between April 1, 2018 to December 31, 2018

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Division	Project Description	Year Started	Budget	Total Original Budget	Final Cost	Variance	Achieved Approved Scope per Original Budget (yes or no)	Explanation
Water Linear	Distribution Support	2015	2014 Capital Budget	200,000	101,693	298,307	yes	Actual expenses were lower than budgeted due to less unforeseen required expenditures.
			2015 Capital Budget	200,000				
			Total	400,000				The surplus funds were transferred to Watermain Rehabilitation (\$100K), with the remaining to the Capital Financing Reserve Fund - Water.
Water Linear	Margaret - Second Ave to East End	2017	2017 Capital Budget	500,000	265,307	234,693	yes	Actual expenses were lower than budgeted due to field conditions that were better than anticipated and the bid price came in lower than estimate. The surplus funds were transferred to Fairburn Street (\$130K), with the remaining to the Capital Financing Reserve Fund - Water.
Water Linear	West End Trunk Watermain Replacement	2017	2017 Capital Budget	400,000	139,915	260,085	yes	Actual expenses were lower than budgeted due to the fact that these funds were supposed to support the Clean Water and Wastewater Fund - Spruce Street project. The original estimates were prepared for the purposes of obtaining a grant under the Clean Water and Wastewater Fund and were conservative due to the time available to meet the application deadline. The surplus funds were transferred to Elm Street (\$250K), and Westmount Barry Downe (\$9K), with the remaining to the Capital Financing Reserve Fund - Water.
Water Linear	Watermain Rehabilitation	2017	2017 Capital Budget	1,000,000	2,253,852	(253,852)	yes	Actual expenses were greater than budgeted due to increased scope of work.
			Resolution FA2017-21	1,000,000				
			Total	2,000,000				The over expenditure was funded from Ash Street.
Water Linear	CWWWF - 1st Ave - Balsam - Allan - Coniston	2016	Resolution CC2016-339	3,870,000	3,363,032	506,968	yes	Actual expenses were lower than budgeted due to the fact that the original estimates were prepared for the purposes of obtaining a grant under the Clean Water and Wastewater Fund and were conservative due to the time available to meet the application deadline. The surplus funds were transferred between the CWWWF projects, with any remaining Water funds (not grants) to be transferred to the Water Capital Holding Account Reserve in Q2 2019.
Water Linear	CWWWF - Spruce St - Regent to Travers St	2016	Resolution CC2016-339	4,257,000	4,048,254	208,746	yes	Actual expenses were lower than budgeted due to the fact that the original estimates were prepared for the purposes of obtaining a grant under the Clean Water and Wastewater Fund and were conservative due to the time available to meet the application deadline. The project is substantially complete but there are some minor seasonal deficiencies around \$52,000. The surplus funds were transferred between the CWWWF projects, with any remaining Water funds (not grants) to be transferred to the Water Capital Holding Account Reserve in Q2 2019.
Water Linear	Lorne Street and Gutcher Avenue	2016			2,468,750	(293,750)	yes	Actual expenses were greater than budgeted due to during detailed design, the watermain limits were extended to accommodate the road resurfacing limits easterly of Martindale. Also a watermain connection at Ontario was added to improve system hydraulics, as per recommendations of the water / wastewater Master Plan.
	Lorne Street from Martindale Road to Logan Avenue		2016 Capital Budget	1,500,000				
	Gutcher Avenue from Mary Street to Lorne Street		2016 Capital Budget	675,000				The over expenditure was funded from Watermain Contingency (\$179K), Condition Assessment (\$75K), Kelly Lake Road (\$35K), and David Street WTP Membrane Replacement (\$5K).
			Total	2,175,000				

Appendix A - Variances over \$100,000
City of Greater Sudbury
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Completed between April 1, 2018 to December 31, 2018

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Division	Project Description	Year Started	Budget	Total Original Budget	Final Cost	Variance	Achieved Approved Scope per Original Budget (yes or no)	Explanation
Water Linear	Maley Drive Watermain	2015	2015 Capital Budget	1,400,000	271,567	1,128,433	no	Actual expenses were lower than budgeted due to appropriate coordination of the work with the proposed Maley Drive Extension contract. The original scope of work included installation of an upsized trunk watermain to replace the existing watermain which was in poor condition. The work to install the upsized main was deferred and included in the Maley Drive Extension contract ENG 18-35. The poor condition main was rehabilitated (lined) in advance of ENG 18-35, using this account. The Water / Wastewater Master Plan recommended addition of the trunk watermain in addition to the rehabilitated main for improved system hydraulics long term. The surplus funds were transferred to the account for the trunk watermain installation on Maley Drive (as part of road rehabilitation project).
Water Linear	Vermillion Water System	2015	2015 Capital Budget	550,000	324,424	225,576	no	Actual expenses were lower than budgeted due to reduced scope of work. The scope of work was initially defined by the City, to install water meters at various locations on the Vermillion Water Distribution System, as part of the conditions of the City of Greater Sudbury / Vale Water Supply Agreement. The number of meters ultimately required by Vale were fewer than originally anticipated by CGS. The surplus funds were transferred to Wahnapiatae Trunk Design (\$150K), Preliminary Design (\$50K), and the remaining funds to the Capital Financing Reserve Fund - Water.
Water Plants	Onaping Wells Caustic Soda	2014	2014 Capital Budget	100,000	362,095	(262,095)	yes	Actual expenses were greater than budgeted due to scope increases that became necessary during the detailed design process, as well as unanticipated regulatory requirements. The over expenditure was funded from Well Building Upgrades.
Water Plants	David St WTP - Membrane Filter Replacement	2017	2017 Capital Budget	400,000	121,631	278,369	yes	Actual expenses were lower than budgeted due to fact that these budgeted funds represent amounts set aside on a pay as you go basis and are often accumulated until the work is scheduled. The surplus funds were transferred to Barry Downe Westmount (\$200K), Westmount Barry Downe (\$74K), and Lorne Street (\$5K).
Water Plants	David St. WTP - Containment Tank	2014	2014 Capital Budget	250,000	14,031	235,969	no	Actual expenses were lower than budgeted due to the fact that upon inspection it was determined that the tank did not have to recoated as originally thought. The project was cancelled. The surplus funds were transferred to the Capital Financing Reserve Fund - Water.
Wastewater Linear	Sanitary Rock Tunnel Inspections	2012	2009 Capital Budget 2010 Capital Budget 2011 Capital Budget 2012 Capital Budget 2013 Capital Budget 2014 Capital Budget 2017 Capital Budget Total	100,000 100,000 100,000 50,000 50,000 200,000 100,000 700,000	358,252	341,748	no	Actual expenses were lower than budgeted due to the fact these represent funds set aside on a pay as you go basis for major, periodical repairs required on the rock tunnel. They will be resubmitted in future capital budgets as required. The surplus funds were transferred to the Capital Financing Reserve Fund - Wastewater.
Wastewater Linear	Collection Support	2015	2015 Capital Budget	200,000	313,668	(113,668)	yes	Actual expenses were greater than budgeted due to fact that annual estimations of requirements are difficult and often rely on the use of multiple years funds. Surplus from 2014 funds were transferred to 2015 to use as required. The over expenditure was funded from 2014 Collection Support.

Appendix A - Variances over \$100,000
City of Greater Sudbury
Completed Capital Projects over \$200,000
Completed between April 1, 2018 to December 31, 2018

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Division	Project Description	Year Started	Budget	Total Original Budget	Final Cost	Variance	Achieved Approved Scope per Original Budget (yes or no)	Explanation
Wastewater Linear	Margaret - Second Ave to East End	2017	2017 Capital Budget	285,000	65,655	219,345	yes	Actual expenses were lower than budgeted due to field investigations during detailed design confirmed that the material and condition of the sanitary sewers did not warrant the original anticipated scope of work. The surplus funds were transferred to Fairburn Street Barry Downe to East End (\$70K), with the remaining transferred to the Capital Financing Reserve Fund - Wastewater.
Wastewater Linear	Access Road	2015	2015 Capital Budget	1,000,000	678,641	321,359	yes	Actual expenses were lower than budgeted due to the original estimate being prepared as a response to an emergency repair to respond to a number of basements flooding. The detailed estimate determined that the scope of repairs was not as severe as originally thought. The surplus funds were transferred to Sewer System Annual Repairs (\$45K), with the remaining transferred to the Capital Financing Reserve Fund - Wastewater.
Wastewater Linear	Algonquin Sewer	2017	2017 Capital Budget	1,000,000	1,148,212	(148,212)	yes	Actual expenses were greater than budgeted due to additional scope because of unanticipated dewatering issues, soil conditions, additional road work and the requirement for a valve chamber. The over expenditure was funded from Ash Street Parkwood (\$105K), Carmen Street (\$33K), and Roger Street (\$25K).
Wastewater Plants	SCADA Master Plan	2014	2014 Capital Budget 2015 Capital Budget Total	250,000 250,000 500,000	210,077	289,923	no	Actual expenses were lower than budgeted due to the fact that these funds were being set aside on a pay as you go basis for Phase 2 of the SCADA Master Plan. There were some unforeseen delays in starting Phase 2 and will be resubmitted in future capital budgets. The scope for Phase 1 was completed as planned. The surplus funds were transferred to the Capital Financing Reserve Fund - Wastewater.
Wastewater Plants	Pump Replacements	2014	2014 Capital Budget	210,000	23,625	186,375	yes	Actual expenses were lower than budgeted due to the fact this is annual allocation anticipated for emergency repairs, that in effect were not required at that time. The surplus funds were transferred to the Capital Financing Reserve Fund - Wastewater.
Wastewater Plants	Meatbird Transfer Station	2015	2015 Capital Budget	400,000	169,145	230,855	yes	Actual expenses were lower than budgeted due to the original estimate was based upon information available at the time. The scope was reduced when the pipe did not have to be removed as agreed to by Vale. The surplus funds were transferred SCADA Upgrades (\$17K), Lamothe Street (\$5K), and Blower Upgrades (\$4K), with the remaining to be transferred to the Wastewater Holding Account Reserve in Q2 of 2019.
Wastewater Plants	Sudbury WWTP Phase 2 Sudbury WWTP Upgrades Sudbury WWTP Upgrades - Headhouse Construction & Standby Power Design Sudbury WWTP Upgrades - Headhouse Construction (incl. Gates & Odour Control) Sudbury WWTP Equipment Upgrades (Blowers and Unplanned Repairs)	2012	2011 Capital Budget 2012 Capital Budget 2013 Capital Budget 2014 Capital Budget Total	2,550,000 6,750,000 6,000,000 800,000 16,100,000	16,641,885	(541,885)	yes	Actual expenses were greater than budgeted due to the property being a brownfield site requiring additional scope identified during detailed design stage. The over expenditure was funded from Charette Street.

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City of Greater Sudbury
Completed Capital Projects over \$200,000
Completed between April 1, 2018 to December 31, 2018

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Achieved Approved Scope per Original Budget (yes or no)								
Division	Project Description	Year Started	Budget	Total Original Budget	Final Cost	Variance	Explanation	
Environmental Services	Sudbury Landfill - Cell Closure South & North Portion	2013	2013 Capital Budget	1,600,000	1,877,939	(277,939)	yes	Actual expenses were greater than budgeted to complete additional landfill site work.
								The over expenditure was funded from the Sudbury Landfill Site - Recycling Site Phase 2.
Community Development								
Transit Services	Terminal Improvements - Elm St	2017	2017 Capital Budget	1,025,000	1,275,728	(250,728)	yes	Actual expenses were greater than budgeted due to the fact that the terminal doors were completed through this project as opposed to another capital project, as well as additional work completed based on funding transfers approved by the MTO.
								The over expenditure was funded from Garage Improvements (\$200K), Downtown Terminal Door (\$39K), and Replacement Buses (\$12K).
Transit Services	AVL Modem Upgrade	2017	2017 Capital Budget	200,000	97,519	102,481	yes	Actual expenses were lower than budgeted due to favourable pricing.
								The surplus funds were transferred to Route Optimization Study (\$100K), and Garage Improvements (\$1K).
Corporate Services								
Facilities	199 Larch Emergency Generator	2017	2015 Capital Budget - 199 Larch Street	500,000	405,580	194,420	yes	Actual expenses were lower than budgeted due to cost savings realized through tendering and design efficiencies.
			2015 Capital Budget - Information Technology	100,000				The surplus funds were transferred to Distribution Audit & Review (\$37K), with the remaining budget to be uncommitted in the 199 Larch Street Reserve Fund in Q2 2019.
			Total	600,000				
Community Safety								
Emergency Services	Personal Protective Equipment	2017	2016 Capital Budget	270,000	139,902	130,098	yes	Actual expenses were lower than budgeted due to the price obtained through RFP totaling half of the anticipated cost of the EMS personal protective equipment. This was due to a comparable product presented by an alternative vendor that met all of the safety requirements.
								The surplus funds were transferred to Medical Supplies capital project.

Appendix B - Variances Under \$100,000
City of Greater Sudbury
Completed Capital Projects over \$200,000
Completed between April 1, 2018 to December 31, 2018

Note - The projects listed below have variances under \$100,000 and transfers have been completed in accordance with the Capital Budget Policy in effect as of December 31, 2018.

Division	Project Description	Year Started	Budget	Total Original Budget	Final Cost	Variance	Achieved Approved Scope per Original Budget (yes or no)
Variances Under \$100,000							
Growth & Infrastructure							
Roads	Bonin Street from MR 15 to Montee Principale	2018	2018 Capital Budget	500,000	433,526	66,474	yes
Roads	Crescent Avenue	2017	2017 Capital Budget	450,000	449,693	307	yes
Roads	CWWWF - Seguin Street Culvert	2017	Resolution CC2016-339	240,000	194,891	45,109	yes
Roads	CWWWF - Westmount Ave - Culvert	2017	Resolution CC2016-339	510,000	566,984	(56,984)	yes
Roads	CWWWF - Yorkshire Dr - Culvert	2017	Resolution CC2016-339	250,000	239,339	10,661	yes
Roads	Field Street from Algonquin Road to Larchwood Drive	2018	2018 Capital Budget	270,000	323,266	(53,266)	yes
Roads	LaSalle Corridor Design	2017	2017 Capital Budget	200,000	201,462	(1,462)	yes
Roads	Leonard Street from Hwy 144 to North End	2018	2018 Capital Budget	300,000	208,672	91,328	yes
Roads	Lillian Street from Dominion Drive to 0.5km North	2018	2018 Capital Budget	285,000	264,463	20,537	yes
Roads	Marier Street	2017	2017 Capital Budget	375,000	320,206	54,794	yes
Roads	Property Acquisition	2011	2011 Capital Budget	1,000,000	987,939	12,061	yes
Roads	St. Clair Yard		2010 Capital Budget	250,000	174,160	75,840	yes
Roads	Strathmere Court from Robinson Drive E to Robinson Dr W	2018	2018 Capital Budget	225,000	157,259	67,741	yes
Roads	Westmount Avenue from Barry Downe Road to Attlee Avenue	2017	2017 Capital Budget	600,000	605,863	(5,863)	yes
Water Linear	Avalon Road	2018	2018 Capital Budget	275,000	278,921	(3,921)	yes
Water Linear	Leslie Street	2018	2018 Capital Budget	210,000	205,329	4,671	yes
Water Linear	Second Avenue (Coniston) - Hwy 17 to Balsam Street	2015	2015 Capital Budget	450,000			yes
			2016 Capital Budget	425,000			
			Total	875,000	892,847	(17,847)	
Water Linear	Tarneaud Street	2018	2018 Capital Budget	250,000	170,050	79,950	yes

Appendix B - Variances Under \$100,000
City of Greater Sudbury
Completed Capital Projects over \$200,000
Completed between April 1, 2018 to December 31, 2018

Note - The projects listed below have variances under \$100,000 and transfers have been completed in accordance with the Capital Budget Policy in effect as of December 31, 2018.

							Achieved Approved Scope per Original Budget (yes or no)
Division	Project Description	Year Started	Budget	Total Original Budget	Final Cost	Variance	
Wastewater Linear	Second Avenue (Sudbury) - Donna Drive to 200m North of Kenwood	2013	2014 Capital Budget	200,000	102,990	97,010	yes
Wastewater Linear	Arvo Street	2016	2016 Capital Budget	425,000	413,466	11,534	yes
Wastewater Plants	Plant Process Energy Optimization	2014	2012 Capital Budget	120,000			yes
			2014 Capital Budget	60,000			
			Total	180,000	254,306	(74,306)	
Planning & Development	Elgin Street Greenway	2013	2013 Capital Budget	75,000			yes
			2013 Rainbow Routes Contribution	45,000			
			2013 GSDC Contribution	20,000			
			Total	140,000			
Community Development							
Cemetery Services	Civic Cemetery Road Realignment	2014	2014 Capital Budget - Leisure and Citizen Services	275,000			yes
			2014 Capital Budget - Cemetery Services	75,000			
			Total	350,000			
Leisure Services	Onaping Splash Park	2016	2016 Budget Enhancements	100,000			yes
			FedNor Government Grant	100,000			
			Donations	17,500			
			Ward 3 HCI Funds	10,000			
			Total	227,500			
Transit Services	Replacement Buses	2017	2017 Capital Budget	2,908,000	2,816,049	91,951	yes
Corporate Services							
Information Technology	SAN Upgrade	2018	2018 Capital Budget	200,000	200,923	(923)	yes
Facilities	St. Clair Administration Building - Re-Roofing	2017	2017 Capital Budget	250,000	189,719	60,281	yes
Facilities	Assets Contingency	2017	2017 Capital Budget	108,859	74,514	34,345	yes
Fleet	Trackless MT5	2018	2018 Capital Budget	310,000	312,439	(2,439)	yes

Appendix C - Cancelled Capital Projects
City of Greater Sudbury
Completed Capital Projects over \$200,000
Completed between April 1, 2018 to December 31, 2018

Note - The projects listed below are the projects cancelled during this time period and transfers have been completed in accordance with the Capital Budget Policy in effect as of December 31, 2018.

Division	Project Description	Budget	Total Original Budget	Final Cost	Variance	Explanation
Cancelled Projects						
Growth & Infrastructure						
Bridge Rehabilitation	Kalmo Road	2016 Capital Budget	1,750,000	-	1,750,000	The funding for this project was removed and will be proposed to be added to the capital budget in the expected year of construction (2021). The funds were used to cover over expenditures in Government Road Bridge (\$1.3M), Black Lake Road Bridge (\$350K), with the remaining transferred to the Capital Financing Reserve Fund - Roads in 2018 (\$100K).
Roads	Roads Contingency	2018 Capital Budget	1,000,000	-	1,000,000	The funding for this project was cancelled due to the new Capital Budget Policy approved in January 2019 where any project deficits are to be funded from the respective Holding Account, and contingency accounts will no longer be used. The surplus funds were to 2018 Surface Treatment (\$1M).
Drains	Stormwater Management	2018 Capital Budget	250,000	-	250,000	The funding was a contingency and used to balance a requirement on another project. The funds were transferred to the Countryside Stormwater Pond.
Water Linear	Power St - MR55 to Collins Drive	2017 Capital Budget	375,000	1,559	373,441	The funding for this project was cancelled due to the fact that original scope of work for the project was determined to not be required. The funds were transferred to the Kingsway Booster Station Demolition/Moss & Montrose Booster Station Control Upgrades (\$200K) and the remainder to the Capital Financing Reserve Fund - Water.
Water Linear	Stanley St - Ash to Pine	2017 Capital Budget	475,000	3,175	471,825	The funding for this project was cancelled due to the field conditions encountered during detailed design investigations included rock quantities that significantly exceeded the original estimate. The detailed design for this project will be completed and funds will be requested in a future budget. The funds transferred to Elm Street (\$401K), and Loach's Lining (\$71K).
Water Linear	Oliver (Copper Cliff) - Investigation/Design	2018 Capital Budget	50,000	-	50,000	The funding for this project was cancelled due to the original request for analysis was requested by a third party, and the request was rescinded due to changes in the third party's work plan. The funds were transferred to the Capital Financing Reserve Fund - Water.
Water Linear	Source Protection Plan	2018 Capital Budget	125,000	-	125,000	The funding for this project was cancelled due to the fact that the services of subject matter expert consultants were not needed to meet some anticipated geotechnical studies. The funds were transferred to the Capital Financing Reserve Fund - Water.

Appendix C - Cancelled Capital Projects
City of Greater Sudbury
Completed Capital Projects over \$200,000
Completed between April 1, 2018 to December 31, 2018

Note - The projects listed below are the projects cancelled during this time period and transfers have been completed in accordance with the Capital Budget Policy in effect as of December 31, 2018.

Division	Project Description	Budget	Total Original Budget	Final Cost	Variance	Explanation
Water Linear	Distribution System Operational Optimization	2018 Capital Budget	75,775	-	75,775	The funding for this project was cancelled due to lack of feasibility for completion of the entire project in 2019. The initial scope of work is included in a separate work plan / account. The initial program will be completed and the funds for the larger program will be requested in a future budget. The funds were transferred to the Capital Financing Reserve Fund - Water.
Water Linear	Parkwood - Maple to Poplar	2018 Capital Budget	205,000	-	205,000	The funding for this project was cancelled due to not being feasible for tendering in 2019. The detailed design for this project will be completed and funds will be requested in a future budget. The funds were transferred to the Capital Financing Reserve Fund - Water.
Water Linear	Parkwood - Poplar to Stanley	2018 Capital Budget	200,000	-	200,000	The funding for this project was cancelled due to not being feasible for tendering in 2019. The detailed design for this project will be completed and funds will be requested in a future budget. The funds were transferred to the Capital Financing Reserve Fund - Water.
Water Linear	Dominion Drive - Elmview to MR 80	2018 Capital Budget	200,000	-	200,000	The funding for this project was cancelled due to field investigations during detailed design confirmed that the watermain material and condition does not warrant replacement. The funds were transferred to Maley Drive Watermain project.
Water Plants	Vermillion WTP - Capital Contribution to Vale	2015 Capital Budget	325,000	-	1,300,000	The funding for this project was cancelled due to the fact that these funds were set aside based on the capital estimates provided to the City, however payment has not been requested. Funds will be requested in a future year when payment is required.
		2016 Capital Budget	325,000			
		2017 Capital Budget	325,000			
		2018 Capital Budget	325,000			
		Total	1,300,000			The funds were transferred to the Capital Financing Reserve Fund - Water.
Wastewater Linear	Sanitary Rock Tunnel Inspection	2018 Capital Budget	100,000	-	100,000	The project was cancelled due to the fact these represent funds set aside on a pay as you go basis for major, periodical repairs required on the rock tunnel. They will be resubmitted in future capital budgets as required. The surplus funds were transferred to the Capital Financing Reserve Fund - Wastewater.
Wastewater Linear	Rock Tunnel Maintenance & Repair	2018 Capital Budget	100,000	-	100,000	The project was cancelled due to the fact these represent funds set aside on a pay as you go basis for major, periodical repairs required on the rock tunnel. They will be resubmitted in future capital budgets as required. The surplus funds were transferred to the Capital Financing Reserve Fund - Wastewater.

Appendix C - Cancelled Capital Projects
City of Greater Sudbury
Completed Capital Projects over \$200,000
Completed between April 1, 2018 to December 31, 2018

Note - The projects listed below are the projects cancelled during this time period and transfers have been completed in accordance with the Capital Budget Policy in effect as of December 31, 2018.

Division	Project Description	Budget	Total Original Budget	Final Cost	Variance	Explanation
Wastewater Plants	Copper Cliff Sewage Treatment Plant - Capital Contribution to Vale	2018 Capital Budget	85,000	-	85,000	The funding for this project was cancelled due to the fact that these funds were set aside based on the capital estimated provided to the City, however payment has not been requested. Funds will be requested in a future year when payment is required. The funds were transferred to the Capital Financing Reserve Fund - Wastewater.
Community Development						
Library Services	Chelmsford CSC - Boiler	2018 Capital Budget	50,000	-	50,000	The funding for this project was cancelled due to the budget shortfall to complete this project. This project will be resubmitted for the 2020 Capital Budget for consideration. The funds were transferred to Capreol CSC Boiler.
Pioneer Manor	Sprinkler System - Fire Code Compliance	2017 Capital Budget	35,000	-	35,000	The funding for this project was cancelled due to remedial work on system. In order to complete the sprinkler system for 100% of the building before 2024, funding in excess of \$100,000 will be required. A firm quote for this work and a capital prioritization submission will be a part of the 2020 capital budget process The funds were transferred to Therapeutic Equipment (\$26K), and Laundry Equipment (\$9K).
Pioneer Manor	Ventilation Upgrade - Tub Rooms	2018 Capital Budget	26,475	-	26,475	The funding for this project was cancelled due to areas that were to be upgraded are within older section of the building that is part of the bed redevelopment process. The funds were transferred to Kronos Upgrades (\$19K), and Fire Code Compliance (\$7K).
Social Services	Population Health Initiatives/Community Hubs	2018 Capital Budget	200,000	-	200,000	The funding for this project was cancelled due to the change in Provincial direction on the Community Hubs program. The funds were set aside as a potential cost share with Provincial partners. The funds will be transferred to the Capital Holding Account in Q2 of 2019.
CD Facilities	Gatchell Pool Roof	2018 Capital Budget	15,000	-	15,000	The funding for this project was cancelled to fund Kathleen Depot (\$9K) and TD Arena Ventilation (\$6K) projects. The scope of cancelled Gatchell pool roof will be included in a future Gatchell Pool renewal project, which will be prioritized through the capital budget process.
Corporate Services						
Facilities	Various Public Works Facility - Overhead Door Replacement	2017 Capital Budget	50,000	-	50,000	The funding for this project was cancelled following operations review on site. It was determined that the funds would be better spent on providing facility improvements (drywall ceiling and unit heaters) that were not part of original construction of the NW depot storage facility in 2004. These improvements improve the longevity of the equipment and materials stored in the building over the winter. The surplus funds were transferred to Various Repairs Public Works Buildings and work is ongoing in 2019.