





2017 Capital Budget

Investment in Key Community Projects: Large Projects

In November 2015, City Council held a special Large Project input session to help set priorities and shape the future of our city. Stakeholders were invited to share information on key projects with significant impact on the community. Sixteen projects were presented and staff were directed to gather additional details about each of these proposals.

In April 2016, City Council reviewed the information provided by staff and endorsed four projects as worthy of further consideration. Staff were directed to proceed with the next steps outlined in the Council report. The four projects endorsed were:

1. Place des arts
2. Synergy Centre
3. Event Centre
4. Art Gallery of Sudbury/Library

The Chief Administrative Officer (CAO) has established a Steering Committee of senior staff to ensure City Council has sufficient, appropriate information to make decisions about the corporation's involvement in these four Large Projects. This committee includes:

- Ed Archer, CAO
- Ian Wood, Director of Economic Development
- Ron Henderson, General Manager of Assets, Transit and Fleet
- Catherine Matheson, General Manager of Community Development
- Tony Cecutti, General Manager of Infrastructure Services
- Ed Stankiewicz, Acting Chief Financial Officer, and
- Eliza Bennett, Manager of Corporate Communications and French Language Services

This team meets regularly to oversee and monitor the progress of the four Large Projects. Ian Wood continues to be the lead staff person for the Place des arts and Synergy Centre projects. Ron Henderson is the lead staff person for the Event Centre and Library/Art Gallery projects. They will liaise with key stakeholders to ensure the analysis required to assess the City's potential role is delivered and will manage details associated with completing the work. Each Steering Committee member will support them in these efforts by providing advice and feedback and ensuring the City will "clear a path" when required to make certain resources to complete the work are available in a timely manner.

1. Event Centre Project Update

Through a Request for Proposal (RFP) process, a consultant has been retained to help establish a detailed understanding of requirements for a new event centre, including scope, operational roles and the essentials of a business case. Staff are working with the consultant to shorten the timelines for this work and a more detailed report will be presented to City Council.

2. Public Library/Art Gallery Project Update

A Working Group, which includes key board and staff representatives from the Art Gallery of Sudbury and the Greater Sudbury Public Library, has been established. The objective of the Working Group is to advance the project as quickly as possible and determine whether or not alignment of vision exists between the two organizations. An RFP has been issued to secure the services of a Project Manager to assist the Working Group. The intent is to award the contract in November 2016 and immediately begin on a work program, which will include a review of existing reports, an industry scan, a feasibility and functional program for the joint project, site selection, a business plan and a capital budget.

3. Place des arts Project Update

As directed by City Council at its meeting of September 13, 2016, staff have prepared a Business Case as part of the 2017 Budget process, outlining a capital contribution for consideration, which can be found under the Business Cases tab of this document.

In addition, the Greater Sudbury Development Corporation (GSDC) Board has confirmed funding in the amount of \$64,100 for the next phase of pre-capital work on Place des arts, including governance, regional outreach and community engagement, commercial ventures development, and design and construction. This work is underway.

4. Synergy Centre Project Update

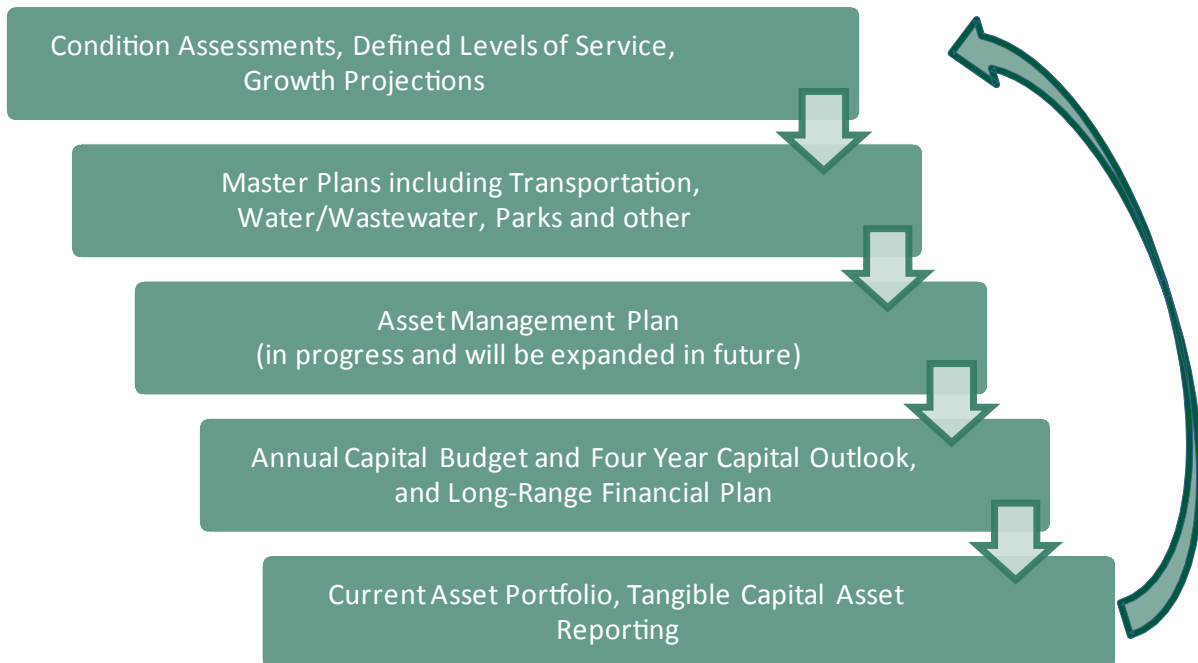
Staff and members of the GSDC Board are actively engaged with the project's proponents, the Synergy Centre Group and Sudbury Community Foundation, to assess and review current information, to secure broader support from community stakeholders and to establish a process to move the project forward on an accelerated timetable.

2017 to 2021 Capital Plan

The 2017 Capital Budget is \$229.7 million, compared to \$106.9 million in 2016. The 2017 Capital Budget addresses the City's most critical capital needs to support strategic business plans and address aging infrastructure and has increased in relation to government grants announcements for the City. The majority of the City's capital needs continue to be related to the replacement of existing infrastructure in the areas of roads, bridges, water/wastewater, facilities and fleet.

Asset Management Plan

The City is in the process of completing an asset management plan, which will be presented to Council on December 13, 2016. It will highlight the infrastructure deficit plans for areas including roads, water/wastewater, facilities, transit, landfills, fleet and more along with a proposed financing strategy.



The City will develop a formal asset management framework. There are key elements already in place, while others are still evolving or will begin in the future. This system will continually improve as critical information is collected and analyzed for decision-making purposes. The City has been working to increase investment in capital replacements, however, these resources will need to be further enhanced to address the large infrastructure deficit.

This planning framework begins with our current asset portfolio, with an estimated replacement value of over \$7 billion. This portfolio includes facilities, roads, water and wastewater infrastructure, parks and fleet. The City is behind in maintenance and renewal as a result of deferred replacement activities, as historically shown in the unfunded capital needs in the annual capital budget documents and previously stated infrastructure deficits. The City has been, and will continue to work on items relating to planning for capital assets that include:

- **Clearly Defined Levels of Service (LOS):** Asset planning needs to begin with objectives. These objectives guide our planning. For example, water service is planned based on a target water pressure. Higher levels of service will generally cost more to develop and maintain. Finding the right balance between affordability and levels of service requires an ongoing examination by City Council and residents.
- **Condition Assessments:** Provide an indication of the condition of the asset. The asset condition determines whether or not it can provide the level of service required. While some assets can be examined visually, others, such as water and sewer pipes, are difficult and costly to assess. However, without this information, it is impossible to develop a manageable and affordable renewal plan.
- **Growth Projections:** Asset planning must also take into consideration the requirements of new people moving into the city. Population growth requires the development of new assets based on the target level of service.
- **Master Plans:** For each asset class, the City has either developed or is developing a long-term plan using the information described above as the key inputs. These plans are generally over 20 years in scope and will describe investment, construction, and renewal plans for assets to maintain the target level of service.
- **Asset Management Plans:** Each of the master plans are consolidated and adjusted to ensure that over time, the required investment plan is manageable, feasible, and affordable. Peaks in one plan may require corresponding valleys in another plan to be adjusted so that they don't come at the same time.
- **Long-Range Financial Plan:** In addition to the Asset Management Plans, the City will develop 20 year assumptions regarding revenues and other sources of funding for the plan, as well as assumptions about the cost of operations. A long-term financial plan, which the City hopes to have completed by the first quarter of 2017, will provide guidance for making major decisions. We will be able to understand the impact of major financial investments on our capacity in future years and better determine the answers to significant planning and financial questions.

Highlights of 2017

Roads and Drains Capital Budget:

The Roads and Drains 2017 capital budget is approximately \$133.6 million and represents almost 58 % of the capital budget. This is significantly higher from the 2016 budget of \$41.4 million. The increase in the Roads capital budget shows the City is spending record level amounts to improve roads in our community. This is due, in part, to numerous grants and funding from senior levels of governments (\$73.7 million).

Maley Drive Extension:

Estimated cost: \$80.1 million

The Maley Drive Extension received \$26.7 million in funding from each of the federal and provincial governments. The City will fund the remaining \$26.7 million from previously approved funds committed to the project and future financing of \$10.5 million. The government funding for this project was approved in 2016 and construction work is already underway.

Four-laning of Municipal Road 35:

Estimated cost: \$33.2 million

This proposed project is to four-lane the remainder of MR35, which connects Sudbury with Chelmsford, Dowling, Levack and Onaping. The City will complete detailed engineering for this project during 2017 with the funds previously approved in the 2016 Capital Budget in order for this project to be eligible and shovel ready for construction in the next round of federal infrastructure funding application intake. This project also includes the rehabilitation of the existing two lanes as identified in the 2016 Capital Budget. Construction is proposed to begin during 2018, as shown in the 2018 Capital Outlook, with assumed funding from senior levels of government and the City obtaining external debt financing to fund its portion of the project.

Reconstruction of Lorne Street:

Estimated cost: \$24.9 million

This project will reconstruct the remaining part of Lorne Street in 2018. The City will complete the initial portion during 2017 based on the funds identified in the 2016 Capital Budget. Funds identified in the 2017 Capital Budget is to complete detailed design engineering so that this project is shovel ready for the next proposed round of federal infrastructure funding application intake. Construction is proposed to commence during 2018, as shown in the 2018 Capital Outlook, with assumed funding from senior levels of government and the City obtaining external debt financing to fund its portion of the project.

An increase in Ontario Community Infrastructure Funding from \$2.2 million in 2016, to \$4.3 million in 2017, will be used toward road improvements on MR 84 and MR 55.

Federal Gas Tax funds of \$8 million are being used to fund various arterial, collector and local roads and bridge improvements.

Funding of \$2.3 million from the Ministry of the Environment and Climate Change will complete several subwatershed studies. The funds must be spent and the studies complete by the end of March 2018.

A \$3.7 million portion of the Clean Water and Wastewater Fund will go toward culverts and stormwater projects. The remainder of the City's portion of the Clean Water and Wastewater Fund is shown within the Water and Wastewater capital budgets, which can be found in the Water/Wastewater tab of this document.

Water and Wastewater

The capital budget for Water and Wastewater is approximately \$56 million in 2017, compared to \$37 million in 2016. This increase is the result of:

A Clean Water and Wastewater Fund grant of \$6.7 million for Water and \$160,000 for Wastewater, which will fund various watermain and sewermain improvements in our community.

Internal financing of \$16.7 million for various Wastewater capital projects such as St. Charles Lift Station upgrades, Gatchell Outfall Sewer, Sudbury Wastewater Treatment Plant upgrades, and Lively Sanitary Sewer upgrades.

Capital envelopes include a higher allocation due to Council direction for a Water/Wastewater user fee increase of 7.4 % in 2017, in line with the long-term financial plan for this division.

For detailed financial information on Water/Wastewater please see the Water/Wastewater tab of this document.

Transit

The capital budget for Transit is \$10.7 million in 2017 compared to \$2.8 million in 2016.

This increase is the result of the City's allocation of \$5.3 million from the Public Transit Infrastructure Fund (PTIF). The PTIF funding allocated 50 % of project costs and is being used to accelerate the replacement of transit buses, transit ridership and maintenance software, roof replacement at the Transit/Fleet Garage and other facility replacement and improvement projects. The City is funding the remaining 50 % of these projects with \$1.4 million in Provincial Gas Tax funds, including internal financing being repaid with future Provincial Gas Tax funds of \$3.7 million, and funds from capital envelopes.

Fire

In 2016, Fire Services requested that a failing aerial truck be replaced before the end of its useful life. Council asked that this request be part of the 2017 budget process. As a result, this capital budget includes acquisition of an aerial truck to be funded from future capital envelopes for an estimated cost of \$1.4 million, including the estimated borrowing cost, to be repaid annually from 2018 to 2024.

Facilities

The capital budget for Facilities has decreased from \$5.6 million in 2016 to \$2.2 million in 2017. Capital projects in 2016 included Tom Davies Square Courtyard renovations, specifically, the replacement of the roof of the parking garage and landscaping. There are significant capital needs for replacements and improvements to various City facilities due to age, condition beyond useful life, and health and safety concerns. Insufficient funding is available for the repair and maintenance of these facilities and it is recommended that the potential additional capital levy of 1.5 %, or \$3.6 million, be allocated to the capital needs of various facilities used directly by citizens and to provide services to residents. These include public works depots, Fire/EMS stations, Tom Davies Square, arenas, libraries and many more.

Citizen and Leisure Services

The capital budget for Citizen and Leisure Services is \$4.6 million in 2017 compared to \$5.8 million in 2016. The significant projects planned for in 2017 include the remaining funds for the ski lift replacement at the Adanac Ski Hill, redevelopment of the St. Joseph's Hospital Parking Lot relating to Bell Park, as well as various facility improvements such as roof repairs at Mackenzie Library, and the Carmichael and Cambrian Arenas. These projects will improve key recreation assets for continued use and enjoyment by residents.

Health and Social Services

This capital budget is used for capital asset replacements and strategic priorities within Housing, Child Care, Social Services and Pioneer Manor. During 2017, approximately \$500,000 is allocated to Pioneer Manor, mainly for parking lot redevelopment in order for bed redevelopment construction to occur on existing parking lot as well as tubs and other medical/facility related equipment to maintain services to the residents of the long-term care facility. The remaining \$300,000 is allocated to Social Services mainly for renovating space in municipal facilities to create Community Hubs.

Fleet

The capital budget for Fleet is \$3.1 million in 2017 which is slightly higher than the 2016 budget of \$2.5 million. This capital budget is to replace aging vehicles and heavy equipment that are beyond its useful life. The increase in 2017 is mainly due to the timing of significant heavy equipment replacements including a total of four snow plows, as well as two garbage packers. These replacements are required in order to maintain service levels for winter road maintenance and waste collection.

Police Headquarter Renovations

The Greater Sudbury Police Services Board has approved a capital budget of \$18.1 million for renovations and additions to Police Headquarters and the Lionel E. Lalonde Centre. This capital project is recommended to be funded by transfers from the Police Capital Financing Reserve Fund, which includes previously approved funding, with the remaining \$14.5 million coming from external debt financing split over the next three years to 2019.

Financing Plan

Government Grants

The 2017 Capital Budget includes approximately \$89.2 million of federal and provincial grants. This includes \$15.6 million from ongoing Federal Gas Tax (\$9.9 million) and Provincial Gas Tax (\$1.4 million) funds, as well OCIF dollars (\$4.3 million). The amount of Provincial Gas Tax funds used in the capital budget varies year-to-year based on the Transit long-term financial plan. For 2017, it relates directly to partial funding of transit PTIF projects.

The significant one-time funding opportunities from senior levels of government are summarized in the chart below:

Government Grant	Capital Budget Area/Project	Amount
Build Canada Fund (Federal)	Roads – Maley Drive	\$26,700,000
Ministry of Economic Development, Employment and Infrastructure (Provincial)	Roads – Maley Drive	\$26,700,000
Ministry of Environment and Climate Change (Provincial)	Drains – Subwatershed Studies	\$2,300,000
Clean Water and Wastewater Fund (Federal and Provincial)	Roads and Drains – various culvert replacements and Facer Street Storm Water Outlet Treatment Station	\$3,735,000
Clean Water and Wastewater Fund (Federal and Provincial)	Water - various watermain replacements and watermain lining	\$6,657,750
Clean Water and Wastewater Fund (Federal and Provincial)	Wastewater – various sanitary sewer lining	\$157,500
Public Infrastructure Transit Fund (Federal)	Transit – bus replacements, Transit Garage facility replacements/improvements, Transit Terminal facility improvements, and various other transit related projects	\$5,311,500
Public Infrastructure Transit Fund (Federal)	Roads – pedestrian/transit related projects	\$2,000,000
Total One-Time Capital Funding		\$73,561,750

All of these one-time government grants require that the funds be spent by the end of March 2018, with the exception of the Maley Drive Extension. This means there will be a significant number of capital projects throughout 2017, which will create staffing and resource challenges because of the short time frames allocated. As a result, additional consultants and engineers may be hired to manage the high construction workload and will be funded from reserve funds based on the business case as included in the business cases section of this document.

Special Capital Levy of 1.5 %

The City's Long-Term Financial Plan recommends an annual increase in capital funding of 2.3 % of the previous year's property tax increase be adopted by Council to address the infrastructure deficit. As recently mentioned in the Long-Term Financial Plan Audit by the Auditor General's Office, previous City Council approved a separate capital levy for a few years during the mid 2000s, which was then offset by a permanent reduction in the capital envelopes in 2010.

Council has directed staff to provide options to move key projects forward with an additional capital levy of 1.5 %, which would equal an approximate \$3.6 million investment into our infrastructure. This amount could be used to fund specific projects during 2017, or be used as debt repayment to obtain up to \$50 million of external debt. The capital levy is meant to address the infrastructure deficit, including replacement of existing capital assets. Therefore it is recommended these additional funds be allocated to improve, rehabilitate and replace various facilities used by citizens and used to provide services to residents, as explained in the Facilities section above.

Recommended projects to be funded by the special capital levy

The following is a list of recommended projects with the applicable budget amounts.

Capital Project Description	Estimated Project Cost
Lionel E. Lalonde Centre – various projects such as additional coverage for the Building Automation System, as well as review/repairs/cladding for the exterior walls.	\$550,000
NorthWest Depot – investigate and repair structural issues at admin/garage building.	\$880,000
Tom Davies Square and Police Tower – Exterior Upgrades re: Phase 2 of Courtyard Improvements as well as interior finishes replacements.	\$1,920,000
Condition assessments for various facilities	\$250,000
Total	\$3,600,000

Approval for Internal Financing

Inclusive of the 2017 budget, it is recommended that expenditures totalling \$35.7 million be approved for spending from future year capital envelopes. These funds relate to the following projects and will be internally financed by borrowing from the capital fund and repaid through contributions from 2018 to 2025 capital envelopes as well as Provincial Gas Tax funds (Transit related projects):

Capital Budget Area/Project	Internal Financing Amount
Roads – Maley Drive	\$9,891,574
Roads – MR 15 Whitson River Bridges	\$2,230,000
Roads – Kingsway Sidewalk	\$1,350,000
Drains – Minnow Lake Stormwater Treatment Station	\$650,000
Wastewater – St. Charles Lift Station Upgrades	\$7,000,000
Wastewater – Gatchell Outfall Sewer	\$3,350,000
Wastewater – Sudbury WWTP Upgrades – Standby Power, Parking Lot, RV Dump Station	\$3,250,000
Wastewater – Lively Sanitary Sewer Upgrades	\$3,052,800
Fire – Aerial Fire Truck	\$1,196,673
Transit – Various PTIF related projects	\$3,738,129
Total Internal Financing in 2017 Capital Budget	\$35,709,176

External Debt Financing

The use of external debt financing has been considered and incorporated into the 2017 Capital Budget due to continuous low interest rates, coupled with the City's infrastructure deficit. In addition, another \$14.8 million in external debt is recommended within the Police Services capital budget for renovations and additions to the Police Headquarters and Lionel E. Lalonde Centre. Furthermore, the City will look to obtain external debt financing in 2018 to fund the City's proposed shares for MR 35 and Lorne Street in anticipation of proposed funding from senior levels of government.

Capital Budget Area/Project	External Debt Financing Amount
Police – Headquarter and LEL Centre Renovations (over 3 years to 2019)	\$14,800,000
Additional Capital Levy - Potential additional external debt for Facilities if additional capital levy of 1.5% is used to fund external debt repayments up to \$3.6 million (based on 20-year term and 3.5% interest rate)	Up to \$50,000,000
Place des Arts - Potential grant contribution for their capital projects	\$5,000,000
Total Potential External Debt Financing	\$14.8 million to \$69.8 million (depending on portion of additional capital levy allocated to external debt)

Please note that detailed financial information on Water/Wastewater can be found at the Water/Wastewater tab of this document.

2017 CAPITAL BUDGET - BY DIVISION/AREA

Department	Capital Envelope	Reserves Capital	Reserves Obligatory ¹	Government Funding ²	Financing Future Years ³	External Debt Financing	Third Party Recoveries	TOTAL	2016 Approved Capital Budget
Infrastructure Services									
Roads	\$ 26,531,055	\$ 18,384,029	\$ 850,000	\$ 73,689,999	\$ 14,121,574	\$ -	\$ -	\$ 133,576,657	\$ 41,372,997
Water	\$ 15,948,771	\$ 470,000	\$ -	\$ 6,657,750	\$ -	\$ -	\$ -	\$ 23,076,521	\$ 15,284,253
Wastewater	\$ 12,353,954	\$ 1,973,341	\$ -	\$ 2,117,500	\$ 16,652,800	\$ -	\$ -	\$ 33,097,595	\$ 22,188,190
Environmental Services	\$ 980,326	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 980,326	\$ 1,106,625
Planning	\$ 126,866	\$ 110,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 236,866	\$ 124,378
Growth Related Projects	\$ 220,943	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 220,943	\$ 216,611
	\$ 56,161,915	\$ 20,937,370	\$ 850,000	\$ 82,465,249	\$ 30,774,374	\$ -	\$ -	\$ 191,188,908	\$ 79,952,065
Community Development									
Citizen & Leisure Services	\$ 3,787,072	\$ 540,000	\$ 225,000	\$ -	\$ -	\$ -	\$ -	\$ 4,552,072	\$ 5,835,826
Health & Social Services	\$ 807,328	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 807,328	\$ 914,498
Healthy Communities Initiatives	\$ 600,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 600,000	\$ 600,000
	\$ 5,194,400	\$ 540,000	\$ 225,000	\$ -	\$ -	\$ -	\$ -	\$ 5,959,400	\$ 7,350,324
Assets, Transit and Fleet									
Facilities (excl. Citizen & Leisure)	\$ 1,625,060	\$ 610,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,235,060	\$ 5,615,000
199 Larch	\$ -	\$ 1,085,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,085,000	\$ 1,500,000
Parking	\$ -	\$ 100,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 100,000	\$ 100,000
Transit	\$ 117,830	\$ 115,835	\$ -	\$ 6,746,206	\$ 3,738,129	\$ -	\$ -	\$ 10,718,000	\$ 2,815,615
Fleet	\$ -	\$ 3,132,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 3,132,000	\$ 2,485,327
	\$ 1,742,890	\$ 5,042,835	\$ -	\$ 6,746,206	\$ 3,738,129	\$ -	\$ -	\$ 17,270,060	\$ 18,951,768
Emergency Services									
Fire	\$ 1,281,036	\$ -	\$ -	\$ -	\$ 1,196,673	\$ -	\$ -	\$ 2,477,709	\$ 1,255,918
EMS	\$ -	\$ 988,679	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 988,679	\$ 1,415,104
Emergency Management	\$ 11,268	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 11,268	\$ 11,047
CLELC	\$ 442,491	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 442,491	\$ 442,270
	\$ 1,734,795	\$ 988,679	\$ -	\$ -	\$ 1,196,673	\$ -	\$ -	\$ 3,920,147	\$ 4,038,837
Administrative Services									
Information Technology	\$ 236,630	\$ 253,370	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 490,000	\$ 795,000
Administration	\$ 140,853	\$ 31,143	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 171,996	\$ 138,091
Corporate Infrastructure	\$ 108,499	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 108,499	\$ 106,371
ERP Peoplesoft Projects	\$ 104,040	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 104,040	\$ 102,000
	\$ 590,022	\$ 284,513	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 874,535	\$ 1,141,462
Police Services									
Police	\$ -	\$ 4,888,271	\$ -	\$ -	\$ -	\$ -	\$ 4,610,974	\$ 9,499,245	\$ 1,312,948
Communications Infrastructure	\$ -	\$ 950,640	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 950,640	\$ 1,155,640
	\$ -	\$ 5,838,911	\$ -	\$ -	\$ -	\$ -	\$ 4,610,974	\$ 10,449,885	\$ 2,468,588
	\$ 65,424,022	\$ 33,632,308	\$ 1,075,000	\$ 89,211,455	\$ 35,709,176	\$ 4,610,974	\$ -	\$ 229,662,935	\$ 106,893,709
	\$ 60,892,477	\$ 19,116,905	\$ 1,205,000	\$ 14,891,327	\$ 10,405,000	\$ 10,405,002	\$ 383,000	\$ 106,893,709	

Notes:

- 1) The 2017 Capital Budget includes funding from Development Charges to partially fund debt repayments for Gerry McCrory Countryside Arena and South Branch Library for a total of \$225,000. It also includes funding from subdivision asphalt developer deposits for a total of \$850,000.
- 2) Government Funding includes Federal Gas Taxes of \$9,945,680, Provincial Gas Taxes of \$1,434,706, Public Transit Infrastructure Fund of \$7,311,500, Ontario Community Infrastructure Fund (OCIF) grant of \$4,269,319, Ministry of the Environment and Climate Change of \$2,300,000, Provincial and Federal funding for Maley Drive for \$53,400,000 and Clean Water Wastewater Fund of \$10,550,250.
- 3) The 2017 Capital Budget requires the approval to spend \$35.7 million which will be borrowed from the capital fund and repaid from future year capital envelopes and Provincial Gas Tax funds and wastewater user fees.
- 4) This Capital Budget includes an estimate for incremental operating costs of approximately \$50,000 which will be included in future operating budgets when asset is in operation.
- 5) Refer to Water/Wastewater section for additional details of capital budget.

Roads / Drainage Summary

CATEGORY DESCRIPTION <i>(For detailed project listing see attached)</i>	2017 REQUEST	2018 OUTLOOK	2019 OUTLOOK	2020 OUTLOOK	2021 OUTLOOK
Roads					
Arterials - New Construction/Widening/Intersection Improvements	\$ 84,500,000	\$ 35,689,446	\$ 2,500,000	\$ 5,000,000	\$ 5,000,000
Arterial - Collector Roads	\$ 15,820,000	\$ 36,601,188	\$ 18,181,011	\$ 16,035,011	\$ 15,645,011
Local Roads	\$ 4,540,000	\$ 4,021,698	\$ 4,275,000	\$ 3,825,000	\$ 4,505,000
Bridges/Culverts	\$ 10,575,000	\$ 7,155,000	\$ 6,775,000	\$ 8,000,000	\$ 8,000,000
Streetlighting	\$ 330,000	\$ 350,000	\$ 370,000	\$ 370,000	\$ 370,000
Traffic - New Lights	\$ 277,500	\$ 400,000	\$ 400,000	\$ 500,000	\$ 500,000
Cycling Infrastructure	\$ 1,295,000	\$ 800,000	\$ 800,000	\$ 800,000	\$ 800,000
Sidewalk/Curb	\$ 3,200,000	\$ 500,000	\$ 600,000	\$ 600,000	\$ 600,000
Surface Treatment	\$ 1,276,000	\$ 1,200,000	\$ 1,200,000	\$ 1,300,000	\$ 1,300,000
Other Road Programs/Projects	\$ 4,245,457	\$ 4,207,265	\$ 5,067,396	\$ 4,242,554	\$ 4,466,85
Total Roads	\$ 126,058,957	\$ 90,924,597	\$ 40,168,407	\$ 40,672,565	\$ 41,186,86
Drainage					
Previous Council Approvals	\$ 650,000	\$ 400,000	\$ 400,000	\$ -	\$ -
Municipal Drainage & Stormwater Management	\$ 6,867,700	\$ 1,864,000	\$ 1,961,300	\$ 2,709,200	\$ 2,758,000
Total Municipal Drainage & Stormwater Management	\$ 7,517,700	\$ 2,264,000	\$ 2,361,300	\$ 2,709,200	\$ 2,758,000
PROJECT COSTS	\$ 133,576,657	\$ 93,188,597	\$ 42,529,707	\$ 43,381,765	\$ 43,944,86
PROJECT FINANCING					
Reserves: Capital Roads	\$ (17,884,029)	\$ -	\$ -	\$ -	\$ -
Reserves: Capital Drainage	\$ (500,000)	\$ -	\$ -	\$ -	\$ -
Reserves: Obligatory (Subdivision Asphalt)	\$ (850,000)	\$ (850,000)	\$ (850,000)	\$ (850,000)	\$ (850,000)
Reserves: Obligatory - Federal Gas Tax	\$ (7,985,680)	\$ (8,449,758)	\$ (8,449,758)	\$ (8,449,758)	\$ (8,449,758)
Capital Envelopes: Future Years Financing	\$ (14,121,574)	\$ 4,864,697	\$ 2,584,697	\$ 2,284,697	\$ 2,284,697
External Debt Financing	\$ -	\$ (13,279,360)	\$ 1,054,181	\$ 1,054,181	\$ 1,054,181
Government Grants: Ontario Community Infrastructure Fund (OCIF)	\$ (4,269,319)	\$ (6,045,418)	\$ (9,265,917)	\$ (9,265,917)	\$ (9,265,917)
Government Grants: Ministry of the Environment and Climate Change	\$ (2,300,000)	\$ -	\$ -	\$ -	\$ -
Government Grants: Clean Water and Wastewater Fund	\$ (3,735,000)	\$ -	\$ -	\$ -	\$ -
Government Grants: Federal and Provincial Funding for Maley Drive	\$ (53,400,000)	\$ -	\$ -	\$ -	\$ -
Government Grants: Federal and Provincial Funding for MR35	\$ -	\$ (25,792,964)	\$ -	\$ -	\$ -
Government Grants: Federal and Provincial Funding for Lorne	\$ -	\$ (16,574,118)	\$ -	\$ -	\$ -
Government Grants: Public Transit Infrastructure Funding (PTIF)	\$ (2,000,000)	\$ -	\$ -	\$ -	\$ -
Third Party Recoveries	\$ -	\$ -	\$ -	\$ -	\$ -
CAPITAL ENVELOPE (Tax Levy)	\$ 26,531,055	\$ 27,061,676	\$ 27,602,910	\$ 28,154,968	\$ 28,718,06

Priority Setting:
 To determine projects in the first four (4) Product Categories (Major Roads, Minor Roads, New Roads, and Bridge Rehabilitation), an Overall Condition Index (OCI) criteria is utilized. The following criteria are used to develop the OCI:
 a) Condition Rating/Cost Benefit: Roads are physically examined for structural condition, ride smoothness, truck traffic, traffic volumes and drainage. A computerized Pavement Management System (Deighton), which generates recommended rehabilitation strategies and costs by road classification and at pre-established budget scenarios is one of the tools used to develop the OCI.
 b) Safety: Are there any safety concerns that a project will solve.
 c) Associated with Water/Wastewater Projects: Where water/wastewater construction or rehabilitation is required, the road will be restored/upgraded if warranted.
 d) Economic Development Opportunity: Site specific in conjunction with proposed development (commercial and/or residential).
 e) Environment and Traffic Congestion Issues: It has been demonstrated that reducing bottlenecks and resulting idling can reduce carbon monoxide and carbon dioxide between 50% and 80%.

Roads Detail

PROJECT DESCRIPTION

PROJECT TYPE
R (Renewal)
E (Expansion)
N (New)

PROJECT DESCRIPTION	PROJECT TYPE	2017 REQUEST	2018 OUTLOOK	2019 OUTLOOK	2020 OUTLOOK	2021 OUTLOOK
Arterials - New Construction/Widening/Intersection Improvements						
Maley Drive	E	\$ 80,100,000				
Funding from Future Years Envelopes (2018-2022)		\$ (9,891,574)	\$ 2,284,697	\$ 2,284,697	\$ 2,284,697	\$ 2,284,697
Maley Drive Financing in Current Year		\$ 2,284,697 ^{1,6}	\$ 2,284,697	\$ 2,284,697	\$ 2,284,697	\$ 2,284,697
MR35 from Highway 144 to Notre Dame East	E		\$ 33,189,446			
Funding from External Debt Financing (2019-2038)			\$ (6,899,322)			
MR35 from Highway 144 to Notre Dame East - Financing in Current Year			\$ 497,160 ⁷	\$ 497,160	\$ 497,160	\$ 497,160
Barry Downe from Kingsway to Westmount	E	\$ 4,400,000				
College Street Underpass	E		\$ 2,500,000	\$ 2,500,000	\$ 2,500,000	\$ 2,500,000
Various Arterial Roads	E					
SUBTOTAL Arterials - New Construction/Widening/Intersection Improvements		\$ 84,500,000	\$ 35,689,446	\$ 2,500,000	\$ 2,500,000	\$ 5,000,000
Arterial - Collector Roads						
MR 15 from 400 m West of Belisle Drive to 1.8 km West of Martin Road	R	\$ 4,350,000 ³				
MR 84 from Capreol Lake Road to Suez Drive	R	\$ 3,300,000 ⁵				
Old Hwy 17 (MR 55) from McCharles Lake Road to 1.75km West	R	\$ 2,565,000 ⁵				
Kelly Lake Road from Lorne Street to Junction Creek Bridge	R	\$ 2,000,000 ³				
Lorne Street / MR55 - Detailed Design Engineering	R	\$ 1,300,000 ¹				
Power Street from MR 55 to Collins Drive	R	\$ 830,000 ³				
Westmount Avenue from Barry Downe Road to Athlee Avenue	R	\$ 600,000 ⁹				
Second Avenue from Donna Drive to Kenwood Street	R	\$ 500,000				
Marier Street from MR 35 to Notre Dame Street	R	\$ 375,000 ³				
Lorne Street and MR 55 from Elm Street to Power Street	R	\$ 24,861,177	\$ (7,730,038) ⁸	\$ 557,021	\$ 557,021	\$ 557,021
Funding from External Debt Financing (2019-2038)			\$ 557,021	\$ 557,021	\$ 557,021	\$ 557,021
Lorne Street and MR 55 from Elm Street to Power Street - Financing in Current Year			\$ 557,021	\$ 557,021	\$ 557,021	\$ 557,021
Dominion Drive from Elmview Drive to MR 80	R		\$ 2,245,000			
Beatty Street from Froot Road to Elm Street	R		\$ 1,500,000			
Elm Street from Ethelbert Street to Big Nickel Mine Road	R		\$ 1,325,000			
Athlee Avenue from Gemmill Street to LaSalle Boulevard	R		\$ 1,200,000			
Kelly Lake Road from Copper Street to Junction Creek Bridge	R		\$ 900,000			
Brookside Road from Errington Avenue to St. Onge Street	R		\$ 490,000			
Elm Street from Froot Road to Elgin Street	R		\$ 265,000			
Auger Avenue from Hawthorne Drive to Falconbridge Highway	R			\$ 1,025,000		
Ramps from Big Nickel Road to Lorne Street	R			\$ 3,380,000		
Kingsway from Barry Downe Road to Falconbridge Highway	R			\$ 2,720,000		
MR 55 from MR 24 to Eve Street	R			\$ 1,970,000		
Bancroft Drive from Bellevue Avenue to First Avenue	R			\$ 1,346,000		
Hill Street from Hwy 17 to 0.9 km South	R			\$ 1,200,000		
York Street from Regent Street to Paris Street	R			\$ 1,000,000		
Walford Road from Regent Street to Paris Street	R			\$ 990,000		
Main Street East from MR 15 to Railway Tracks	R			\$ 760,000		
Brady Street from Minto Street to Shaughnessy Street	R			\$ 620,000		
Dell Street from Morin Avenue to Snowden Avenue	R			\$ 515,000		
Melvin Avenue from Kathleen Street to Mabel Street	R			\$ 485,000		
MR 24 from Caverzan Drive to CPR Tracks	R			\$ 200,000		
MR 15 from Belisle Street to 2.2km West	R			\$	\$ 2,170,000	

Roads Detail

PROJECT DESCRIPTION

PROJECT TYPE

PROJECT DESCRIPTION	PROJECT TYPE	2017 REQUEST	2018 OUTLOOK	2019 OUTLOOK	2020 OUTLOOK	2021 OUTLOOK
MR 15 from 5.2 km west of Martin Road to 7.6km west of Martin Road	R				\$ 2,530,000	
Notre Dame Avenue from Wilma Avenue to 0.6 km North of Cambrian Heights Drive	R				\$ 1,560,000	
Valleyview Road from Martin Road to Evans Road	R				\$ 1,430,000	
MR 84 from Cote Blvd to Linden Drive	R			\$ 1,970,011	\$ 7,145,011	\$ 15,645,011
Various Arterial and Collector Roads-Removal/Replacement/Rehabilitation	R		\$ 2,465,011	\$ 1,970,011	\$ 7,145,011	\$ 15,645,011
SUBTOTAL Arterial - Collector Roads		\$ 15,820,000	\$ 35,251,188	\$ 18,181,011	\$ 16,035,011	\$ 15,645,011
Local Roads						
First Avenue from Balsam Street to 0.5 km South	R	\$ 725,000 ³				
Minto Street from Larch Street to Elgin Street	R	\$ 590,000 ³				
Crescent Avenue from Young Street to Dennie Street	R	\$ 450,000 ³				
Hesta Street from Arlington Drive to Riverside Drive	R	\$ 357,000 ³				
Birch Street Subdivision (Azilda) - Donald Street from Maple Street to Oak Street	R	\$ 320,000				
Mary Street from Desmorest Street to Gutcher Avenue	R	\$ 300,000				
Talon Street from Will Street to Josephine Street	R	\$ 230,000				
Birch Street Subdivision (Azilda) - Donald Street	R	\$ 200,000				
Glendale Court from Flake Street W to Flake Street East	R	\$ 195,000				
Traffic Calming	N	\$ 170,000	\$ 175,000	\$ 175,000	\$ 175,000	\$ 175,000
Carmen Street from LaSalle Boulevard to 0.4 km South	R	\$ 170,000				
Trembley Street from Laval Street to Talon Street	R	\$ 170,000				
Gregg Lane from Martindale Road to Gino Street	R	\$ 155,000				
Birch Street Subdivision (Azilda) - Oak Street	R	\$ 120,000				
Northway Avenue from LaSalle Boulevard to Palisade Place	R	\$ 118,000				
Birch Street Subdivision (Azilda) - Cedar Street	R	\$ 100,000				
Rita Street from Wilfred Street to 0.1 km East	R	\$ 90,000				
Bethune Avenue from Randolph Street to Richard Street	R	\$ 80,000				
Danforth Avenue from Fielding Street to Barrington Street	R					
Creighton Road from School Street to Godfrey Drive	R		\$ 680,000			
O'Neil Drive East from Penman Avenue to Margaret Street South	R		\$ 445,000			
Straithmere Court from Robinson Drive E to Robinson Dr W	R		\$ 310,000			
Leonard Street from Hwy 144 to North End	R		\$ 300,000			
Field Street from Algonquin Road to Larchwood Drive	R		\$ 285,000			
Bonin Street from Fire Route T to Montee Principal	R		\$ 240,000			
Lillian Street from Dominion Drive to 0.5 km North	R		\$ 220,000			
McAllister Avenue from Lasalle Blvd to South End	R		\$ 205,000			
Loach's Road from Eden Point Drive to Cerelli Court	R		\$ 165,000			
Various Local Roads	R		\$ 716,698	\$ 4,100,000	\$ 3,650,000	\$ 4,330,000
SUBTOTAL Local Roads		\$ 4,540,000	\$ 4,021,698	\$ 4,275,000	\$ 3,825,000	\$ 4,505,000

Roads Detail

PROJECT DESCRIPTION

PROJECT TYPE

R (Renewal)
E (Expansion)
N (New)

PROJECT DESCRIPTION	PROJECT TYPE	2017 REQUEST	2018 OUTLOOK	2019 OUTLOOK	2020 OUTLOOK	2021 OUTLOOK
Bridges/Culverts						
Various Bridge / Culvert Repairs	R	\$ 2,480,000 ⁴	\$ 1,500,000	\$ 1,500,000	\$ 3,000,000	\$ 8,000,000
MR 15 - Whitson River Bridges	R	\$ 2,230,000				
Funding from Future Years Envelopes (2018)		\$ (2,230,000)	\$ 2,230,000			
MR 15 - Whitson River Bridges Financing in Current Year		\$ -	\$ 2,230,000			
Junction Creek Bridge (Kelly Lake Road)	R	\$ 2,000,000 ³				
Mikkola Road Bridge	R	\$ 1,020,000 ³				
MR 55 - CPR Overhead Bridge (Westbound)	R	\$ 1,020,000 ³				
Garson Coniston Road Bridge	R	\$ 550,000 ³				
Nickel Basin Road Culvert	R	\$ 500,000 ⁴				
CNR Overpass (Falconbridge Road)	R	\$ 450,000 ³				
Old Soo Road Culvert	R	\$ 225,000				
Bowland Bay Road Bridge	R	\$ 100,000				
MR55 - Vermilion River Bridge	R		\$ 2,000,000			
Douglas Street Bridge	R		\$ 1,640,000			
Ironside Lake Road Bridge	R		\$ 915,000			
Allan Street Bridge	R		\$ 900,000			
Bridge Inspections / Evaluations	R		\$ 200,000	\$ 200,000		
Vermilion River Bridge (Moose Mountain)	R			\$ 2,400,000		
Old Soo Road Bridge	R			\$ 1,050,000		
William Avenue Bridge	R			\$ 700,000		
Frappier Road Bridge	R			\$ 675,000		
Fielding Road Bridge	R			\$ 450,000		
Kalimo Road Bridge	R			\$ 2,600,000		
Spanish River Bridge	R			\$ 2,200,000		
SUBTOTAL Bridges/Culverts		\$ 10,575,000	\$ 7,155,000	\$ 6,775,000	\$ 8,000,000	\$ 8,000,000
Streetlighting						
Miscellaneous Streetlight Upgrades	R	\$ 275,000	\$ 290,000	\$ 305,000	\$ 305,000	\$ 305,000
New Streetlights	N	\$ 55,000	\$ 60,000	\$ 65,000	\$ 65,000	\$ 65,000
SUBTOTAL Streetlighting		\$ 330,000	\$ 350,000	\$ 370,000	\$ 370,000	\$ 370,000
Traffic - New Lights						
Traffic System Improvements	R/N	\$ 222,500	\$ 400,000	\$ 400,000	\$ 500,000	\$ 500,000
Intelligent Transportation System	N	\$ 55,000 ⁹				
SUBTOTAL Traffic - New Lights		\$ 277,500	\$ 400,000	\$ 400,000	\$ 500,000	\$ 500,000
Cycling Infrastructure						
Miscellaneous Improvements	N	\$ 305,000	\$ 800,000	\$ 800,000	\$ 800,000	\$ 800,000
Paris/Notre Dame Cycling Improvements	N	\$ 735,000 ⁹				
Travel Demand Management Study	N	\$ 55,000 ⁹				
Lasalle Corridor Design Study	N	\$ 200,000 ⁹				
SUBTOTAL Cycling Infrastructure		\$ 1,295,000	\$ 800,000	\$ 800,000	\$ 800,000	\$ 800,000

Roads Detail

PROJECT DESCRIPTION	PROJECT TYPE	2017 REQUEST	2018 OUTLOOK	2019 OUTLOOK	2020 OUTLOOK	2021 OUTLOOK
	R (Renewal)					
	E (Expansion)					
	N (New)					
Sidewalk/Curb						
Kingsway Sidewalk	N	\$ 2,700,000 ⁹				
Funding from Future Years Envelopes (2018)		\$ (1,350,000)	\$ 1,350,000			
Kingsway Sidewalk Financing in Current Year		\$ 1,350,000	\$ 1,350,000			
Various Projects	R/N	\$ 500,000	\$ 500,000	\$ 600,000	\$ 600,000	\$ 600,000
SUBTOTAL Sidewalk/Curb		\$ 3,200,000	\$ 500,000	\$ 600,000	\$ 600,000	\$ 600,000
Surface Treatment						
Single Surface Treatment Various Locations	R	\$ 250,000	\$ 200,000	\$ 200,000	\$ 200,000	\$ 200,000
Kantola Road (1.0km)	R	\$ 108,000				
Black Lake Road (1.0km)	R	\$ 108,000				
Fairbanks East Road (1.0 km)	R	\$ 108,000				
Tilton Lake Road (1.0 km)	R	\$ 108,000				
Morgan Road (1.0 km)	R	\$ 108,000				
West Bay Road (0.8 km)	R	\$ 86,400				
Montpellier Road (0.7 km)	R	\$ 75,600				
Bradley Road (0.6 km)	R	\$ 64,800				
Spanish River Road (0.5 km)	R	\$ 54,000				
Hydro Road (0.5 km)	R	\$ 54,000				
Dube Road (0.5 km)	R	\$ 54,000				
Moonlight Beach Road (0.5 km)	R	\$ 54,000				
Dominion Drive West (0.4 km)	R	\$ 54,000				
Various Locations	R	\$ 43,200				
SUBTOTAL Surface Treatment		\$ 1,276,000	\$ 1,200,000	\$ 1,000,000	\$ 1,100,000	\$ 1,100,000
Other Road Programs/Projects						
Development Subdivision Surface Asphalt	N	\$ 1,000,000 ^{1,2}	\$ 1,000,000	\$ 1,000,000	\$ 1,000,000	\$ 1,000,000
Consulting Services - Future Projects	R	\$ 500,000	\$ 500,000	\$ 500,000	\$ 500,000	\$ 500,000
Railway Crossings	R	\$ 370,000	\$ 370,000	\$ 250,000	\$ 250,000	\$ 250,000
Brady Durham Green Stair	N	\$ 350,000				
Guide Rail Installations	N	\$ 250,000	\$ 250,000	\$ 250,000	\$ 250,000	\$ 250,000
Crack Sealing	R	\$ 200,000	\$ 300,000	\$ 300,000	\$ 300,000	\$ 300,000
Automatic Vehicle Locators (AVL) and Software Development	R	\$ 200,000				
Pavement Management Updates	R	\$ 200,000				
GIS	R	\$ 100,000		\$ 200,000		\$ 200,000
Rockfall Program	R		\$ 500,000	\$ 500,000	\$ 500,000	\$ 500,000
Survey Equipment	N	\$ 60,300 ¹				
Contingency	R	\$ 1,015,157	\$ 1,287,265	\$ 2,067,396	\$ 1,442,554	\$ 1,466,853
SUBTOTAL Other Road Programs/Projects		\$ 4,245,457	\$ 4,207,265	\$ 5,067,396	\$ 4,242,554	\$ 4,466,853
PROJECT COSTS		\$ 126,058,957	\$ 89,574,597	\$ 40,168,407	\$ 40,672,565	\$ 41,186,864

Roads Detail

PROJECT DESCRIPTION

PROJECT TYPE

PROJECT DESCRIPTION	PROJECT TYPE	2017 REQUEST	2018 OUTLOOK	2019 OUTLOOK	2020 OUTLOOK	2021 OUTLOOK
	R (Renewal)					
	E (Expansion)					
	N (New)					
Notes:						
1) Capital Financing Reserve Fund - Roads						
Maley Drive - Funds Previously Committed		\$ 14,523,729				\$ 26,700,000
Maley Drive - Current Year Funding		\$ 1,850,000				\$ 26,700,000
Lorne Street / MR55 - Detailed Design Engineering		\$ 1,300,000				
Surface Asphalt (Costs exceeding developer's deposit)		\$ 150,000				
Survey Equipment		\$ 60,300				\$ 14,523,729
		\$ 17,884,029				\$ 9,891,574
		\$ 850,000				\$ 2,284,697
					Total Project Costs	\$ 80,100,000
2) Obligatory Reserve Fund (Subdivision Asphalt)						
Developer's Subdivision Surface Asphalt Deposits		\$ 800,000				\$ 12,896,482
		\$ 620,000				\$ 12,896,482
3) Federal Gas Tax Funding						
MR 15 from 400 m West of Belisle Drive to 1.8 km West of Martin Road		\$ 490,000				\$ 5,500,000
Power Street from MR 55 to Collins Drive		\$ 450,000				\$ 6,899,322
Kelly Lake Road from Lorne Street to Junction Creek Bridge		\$ 1,800,000				\$ 497,160
Garson Coniston Road Bridge		\$ 100,000				\$ 38,689,446
Junction Creek Bridge (Kelly Lake Road)		\$ 400,000				\$ 8,287,059
Birch Street Subdivision (Azilda) - Donald Street from Maple Street to Oak Street		\$ 275,000				\$ 8,287,059
CNR Overpass (Falcombridge Road)		\$ 800,000				\$ 7,730,038
Crescent Avenue from Young Street to Dennie Street		\$ 800,000				\$ 557,021
MR55 - CPR Overhead Bridge (Westbound)		\$ 425,680				\$ 24,861,177
Mikkola Road Bridge		\$ 300,000				\$ 100,000
First Avenue from Balsam Street to 0.5 km South		\$ 450,000				\$ 1,350,000
Marier Street from MR 35 to Notre Dame Street		\$ 275,000				\$ 127,500
Minto Street from Larch Street to Elgin Street		\$ 7,985,680				\$ 27,500
Hesta Street from Arlington Drive to Riverside Drive						\$ 367,500
						\$ 27,500
						\$ 2,000,000
4) Clean Water and Wastewater Funding						
Mikkola Road – Culvert Replacement at Kantola Road	Federal	\$ 80,000	\$ 40,000			\$ -
Westmount Avenue – Culvert Replacement – Greenvale Court	Provincial	\$ 255,000	\$ 127,500			\$ 1,437
Yorkshire Drive – Culvert Replacement near Sewer Plant		\$ 125,000	\$ 62,500			\$ 4,892
Manninen Road – Culvert Replacement		\$ 90,000	\$ 45,000			\$ 3,261
Edward Avenue – Culvert Replacement		\$ 90,000	\$ 45,000			\$ 3,913
Seguin Street – Culvert Replacement		\$ 120,000	\$ 60,000			\$ 1,141
Nickel Basin Road – McKenzie Creek Culvert Replacement		\$ 250,000	\$ 125,000			\$ 554
MR55 – Culvert Replacement		\$ 315,000	\$ 157,500			\$ 5,318
Tilton Lake Road – Culvert Replacement		\$ 165,000	\$ 82,500			\$ 5,177
		\$ 1,490,000	\$ 745,000			\$ 1,623
						\$ 27,316
5) OCIF Funding						
MR 84 from Capreol Lake Road to Suez Drive		\$ 2,475,000				\$ 5,177
Old Hwy 17 (MR 55) from McCharles Lake Road to 1.75km West		\$ 1,794,319				\$ 5,177
		\$ 4,269,319				\$ 1,623
						\$ 27,316

Drainage Detail

PROJECT DESCRIPTION

PROJECT DESCRIPTION	PROJECT TYPE R (Renewal) E (Expansion) N (New)	2017 REQUEST	2018 OUTLOOK	2019 OUTLOOK	2020 OUTLOOK	2021 OUTLOOK
PREVIOUS COUNCIL APPROVALS						
Mountain Street Storm Outlet	N	\$ 650,000	\$ 400,000	\$ 400,000	\$ 400,000	\$ -
SUBTOTAL PREVIOUS COUNCIL APPROVALS		\$ 650,000	\$ 400,000	\$ 400,000	\$ 400,000	\$ -
Municipal Drainage & Stormwater Management						
Facer Street – Storm Water Outlet Treatment Station – Design & Construction	N	\$ 1,600,000				
Countryside Arena Lands Drain Phase 1	N	\$ 850,000				
Minnow Lake Stormwater Treatment Station	N	\$ 650,000				
Funding from Future Year Envelopes (2018-2019)		\$ (650,000)	\$ 350,000	\$ 300,000		
Minnow Lake Stormwater Treatment Station - Financing in Budget Year		\$ -	\$ 350,000	\$ 300,000		
Countryside Drive Storm Sewer Outlet	N	\$ 410,000				
Stormwater Asset Management Plan	N	\$ 400,000				
Lavallee Drain F Subdrain	N	\$ 250,000				
Countryside Pond	N	\$ 203,600				
Miscellaneous Storm Sewer Improvements	N	\$ 100,000	\$ 100,000	\$ 95,300	\$ 100,000	\$ 100,000
Miscellaneous Consulting Fees	N	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000
Upper Whitson River Flood Control	N	\$ 45,000	\$ 395,000	\$ 525,000	\$ 400,000	\$ 400,000
Trillium Municipal Drain Stormwater Management (Azilda)	N	\$ 9,100	\$ 154,000	\$ 250,000	\$ 250,000	\$ 250,000
Subwatershed Planning	N	\$ 2,300,000	\$ 500,000	\$ 250,000	\$ 250,000	\$ 250,000
Countryside Arena Lands Drain Phase 2	N	\$ -	\$ 600,000			
Josephine Street Outlet Stormsewer Oversizing (Val Caron)	N	\$ 65,000				
Whitson River Tributary 3 Stormwater Management (Chelmsford)	N	\$ -	\$ 250,000	\$ 250,000	\$ 250,000	\$ 250,000
Countryside Arena Lands Drain Phase 3	N	\$ 223,000				
East Branch Junction Creek Stormwater Management	N	\$ 200,000	\$ 200,000	\$ 200,000	\$ 500,000	\$ 500,000
Capreol Storm Drainage Improvements - Phase 1	N	\$ 100,000	\$ 100,000	\$ 100,000	\$ 200,000	\$ 200,000
Jacobson - Cavarzan Storm Sewer	N	\$ 18,000	\$ 18,000	\$ 18,000	\$ 18,000	\$ 18,000
David Street Storm Outlet Treatment Station	N	\$ 201,200			\$ 201,200	\$ 250,000
Bancroft Stormwater Management Facility	N	\$ 200,000			\$ 200,000	\$ 200,000
Rodgers Road Storm Water Management	N	\$ 100,000			\$ 100,000	\$ 100,000
Still Lake Stormwater Management Improvement	N	\$ 50,000			\$ 50,000	\$ 50,000
Rheel Stormwater Management Facility	N	\$ 50,000			\$ 50,000	\$ 50,000
Trillium Trunk Storm Sewer (West Azilda)	N	\$ 50,000			\$ 50,000	\$ 50,000
Upper Korpela Creek Stormwater Management Facility	N	\$ 40,000			\$ 40,000	\$ 40,000
SUBTOTAL Municipal Drainage & Stormwater Management		\$ 6,867,700	\$ 1,864,000	\$ 1,961,300	\$ 2,709,200	\$ 2,758,000
PROJECT COSTS		\$ 7,517,700	\$ 2,264,000	\$ 2,361,300	\$ 2,709,200	\$ 2,758,000

PROJECT DESCRIPTION	Federal	Provincial	3) Provincial Grant for Subwatershed Studies during 2016)	(approved)	Every 2 Years
1) Clean Water and Wastewater Fund					
Stormwater Asset Management Plan	\$ 200,000	\$ 100,000		\$	\$ 2,300,000
Facer Street – Storm Water Outlet Treatment Station - Design & Construction	\$ 800,000	\$ 400,000			
	\$ 1,000,000	\$ 500,000			
2) Drainage and Stormwater Management Reserve Fund					
Stormwater Asset Management Plan	\$ 100,000			\$ 30,000	Every 2 Years
Facer Street – Storm Water Outlet Treatment Station – Design & Construction	\$ 400,000			\$ 20,000	Every 2 Years
	\$ 500,000				

Environmental Services

PROJECT DESCRIPTION	PROJECT TYPE	OUTLOOK					2021 OUTLOOK
		2017 REQUEST	2018 OUTLOOK	2019 OUTLOOK	2020 OUTLOOK	2021 OUTLOOK	
Previous Council Approvals - Sudbury Landfill Site - Landfill Gas Collection System & Leachate Collection System Projects	R/E	\$ 403,188					
Sudbury Landfill - Construction & Demolition Material Recycling Site Phase 3 & Fire Route (Contribution to Reserve Fund)	R/E			\$ 230,588	\$ 524,331	\$ 297,138	
Sudbury Landfill - Leachate Collection & Treatment System	R	\$ 40,000		\$ 100,344	\$ 75,000		
Sudbury Landfill - Leachate Migration	R	\$ 14,000					
Sudbury Landfill - Stormwater Management	R	\$ 37,000		\$ 240,000			
Sudbury Landfill - TSSA Landfill Gas	R				\$ 52,000	\$ 260,000	
Hammer Landfill - Leachate Migration	R	\$ 10,000					
Hammer Landfill - Stormwater Management	R	\$ 10,000					
Hammer Landfill - Compost Pad, SVTS	R/N			\$ 45,000			
Hammer Landfill - Closure of Quarry (Cover Material) Area	R			\$ 20,000			
Azilda Landfill - Leachate Migration	R	\$ 10,000					
Azilda Landfill - Stormwater Management	R	\$ 10,000					
Azilda Landfill - SVTS	R/N					\$ 45,000	
Azilda Landfill - Cell Closure	R	\$ 90,000	\$ 1,004,000				
Funding from Future Year Envelopes (2019-2020)			\$ (175,000)				
Azilda Landfill - Cell Closure - Financing in Budget Year			\$ 829,000	\$ 100,000	\$ 75,000		
Recycling Processing Facility - Storage Compound	R	\$ 15,000	\$ 50,000	\$ 50,000			
Recycling Processing Facility - Major Repairs	R	\$ 100,000					
Recycling Processing Facility - Asphalt Rehab at Loading Bays	R			\$ 40,000			
Recycling Processing Facility - Heating System Top Up	R	\$ 50,000					
Scales, Guards & Scale Houses - Miscellaneous Repairs	R	\$ 32,138					
Landfill Scales - Sandblasting and Coating	R			\$ 60,000	\$ 30,000	\$ 60,000	
Landfills - Wells & Fixtures	R/N						
Various Solid Waste Sites - Assessments/Plans/Reports	R	\$ 25,000			\$ 20,000		
Hauled Sewage Site Closure Design	R	\$ 30,000				\$ 200,000	
Litter Containers - Equipment	R/N	\$ 14,000	\$ 24,000	\$ 24,000	\$ 24,000	\$ 24,000	
No Littering Signs	N	\$ 10,000					
Update Waste Management System Master Plan - Commence in 2021	R		\$ 27,047	\$ 95,000	\$ 95,000	\$ 95,000	
Monitoring, Contingencies & Miscellaneous	R	\$ 80,000	\$ 80,000	\$ 80,000	\$ 80,000	\$ 80,000	
PROJECT COSTS		\$ 980,326	\$ 1,185,047	\$ 919,932	\$ 965,331	\$ 1,061,138	
PROJECT FINANCING							
Reserves: Capital			\$ (10,114)				
Capital Envelopes: Future Years			\$ (175,000)	\$ 100,000	\$ 75,000		
CAPITAL ENVELOPE (Tax Levy)		\$ 980,326	\$ 999,933	\$ 1,019,932	\$ 1,040,331	\$ 1,061,138	

Priority Setting:
Priority is based on need or initiatives.

Planning

PROJECT DESCRIPTION	PROJECT TYPE	2017 REQUEST	2018 OUTLOOK	2019 OUTLOOK	2020 OUTLOOK	2021 OUTLOOK
	R (Renewal) E (Expansion) N (New)					
Mapping/Ortho Photography (Update of Existing Data)	R	\$ 51,866	\$ 104,403	\$ 131,991	\$ 134,631	\$ 137,324
GPS Equipment	R	\$ 75,000	\$ 25,000			
Population Projection Study	R	\$ 60,000 ¹				
Development Charges Background Study	R	\$ 50,000 ²				
PROJECT COSTS		\$ 236,866	\$ 129,403	\$ 131,991	\$ 134,631	\$ 137,324
PROJECT FINANCING						
Reserves: Capital		\$ (110,000)	\$ -	\$ -	\$ -	\$ -
CAPITAL ENVELOPE (Tax Levy)		\$ 126,866	\$ 129,403	\$ 131,991	\$ 134,631	\$ 137,324

Note 1 - Population Projection Study to be funded from the Capital Financing Reserve Fund - Planning.

Note 2 - Development Charges Background Study to be funded from the Reserve for Various.

Priority Setting:

Priority is based on need as relating to equipment, mapping/ortho photography, and other plans/studies. The needs of the next five years are planned to update mapping and orthophotography of various areas of the City. In 2017, new GPS equipment purchase to keep up with new technologies and standards is scheduled as well as some photography.

Growth Related Projects

PROJECT DESCRIPTION	PROJECT TYPE	2017		2018		2019		2020		2021	
		REQUEST	OUTLOOK	REQUEST	OUTLOOK	OUTLOOK	OUTLOOK	OUTLOOK	OUTLOOK	OUTLOOK	OUTLOOK
Growth Related Projects/City's Share of Development Cost Sharing Policy	E	\$ 220,943	\$ 225,362	\$ 220,943	\$ 225,362	\$ 229,869	\$ 229,869	\$ 234,467	\$ 234,467	\$ 239,156	\$ 239,156
PROJECT COSTS		\$ 220,943	\$ 225,362	\$ 220,943	\$ 225,362	\$ 229,869	\$ 229,869	\$ 234,467	\$ 234,467	\$ 239,156	\$ 239,156
PROJECT FINANCING											
Reserves: Capital		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
CAPITAL ENVELOPE (Tax Levy)		\$ 220,943	\$ 225,362	\$ 220,943	\$ 225,362	\$ 229,869	\$ 229,869	\$ 234,467	\$ 234,467	\$ 239,156	\$ 239,156

Notes:

1) Contribution to Capital Financing Reserve Fund - Planning (Committed) to be used for the City's tax levy share of growth related projects in accordance with the Development Cost Sharing Policy. These funds are not used towards Water or Wastewater cost sharing as those would be funded from Water/Wastewater user fees as opposed to the tax levy.

Citizen & Leisure Services Summary

CATEGORY DESCRIPTION

(For detailed project listing see attached)

	2017 REQUEST	2018 OUTLOOK	2019 OUTLOOK	2020 OUTLOOK	2021 OUTLOOK
Leisure					
Previous Council Approvals	\$ 1,319,732	\$ 404,732	\$ 404,732	\$ 404,732	\$ 404,732
Parks / Playgrounds	\$ 537,000	\$ 570,000	\$ 1,510,000	\$ 700,000	\$ 1,170,000
Parks Equipment	\$ 100,000	\$ 100,000	\$ 85,000	\$ 115,000	\$ 115,000
Total Leisure	\$ 1,956,732	\$ 1,074,732	\$ 1,999,732	\$ 1,219,732	\$ 1,689,732
Citizen Services					
Previous Council Approvals	\$ 323,000	\$ 323,000	\$ 323,000	\$ 323,000	\$ 323,000
Cemetery	\$ 160,000	\$ 220,000	\$ 220,000	\$ 230,000	\$ 230,000
Library, Citizen Services and Museums	\$ 489,000	\$ 410,000	\$ 425,000	\$ 435,000	\$ 450,000
Total Citizen Services	\$ 972,000	\$ 953,000	\$ 968,000	\$ 988,000	\$ 1,003,000
Leisure Facilities					
Roofing	\$ 455,000	\$ 730,000	\$ 500,000	\$ 825,000	\$ 750,000
Equipment Replacement	\$ -	\$ -	\$ -	\$ 140,000	\$ -
Structural Repairs & Upgrades	\$ 225,000	\$ 493,000	\$ -	\$ 90,000	\$ -
Heating & Ventilation	\$ 190,000	\$ 450,000	\$ 825,000	\$ -	\$ -
Interior Renovations	\$ 75,000	\$ -	\$ -	\$ 440,000	\$ 600,000
Other Upgrades and Improvements	\$ 425,340	\$ 781,401	\$ 275,864	\$ 698,756	\$ 533,106
Health & Safety	\$ 253,000	\$ 50,000	\$ 50,000	\$ 320,000	\$ 255,000
Total Leisure Facilities	\$ 1,623,340	\$ 2,504,401	\$ 1,650,864	\$ 2,513,756	\$ 2,138,106
PROJECT COSTS	\$ 4,552,072	\$ 4,532,133	\$ 4,618,596	\$ 4,721,488	\$ 4,830,838
PROJECT FINANCING					
Reserves: Capital Reserves	\$ (540,000) ¹	\$ (450,000)	\$ (465,000)	\$ (495,000)	\$ (530,000)
Reserves: Development Charges	\$ (225,000)	\$ (225,000)	\$ (225,000)	\$ (225,000)	\$ (225,000)
CAPITAL ENVELOPE (Tax Levy)	\$ 3,787,072	\$ 3,857,133	\$ 3,928,596	\$ 4,001,488	\$ 4,075,838
Components of Total Capital Envelope:					
Citizen and Leisure - Capital Envelope	\$ 3,503,072	\$ 3,573,133	\$ 3,644,596	\$ 3,717,488	\$ 3,791,838
South Branch Library Loan (Annual Contribution from South Branch Library Operating Cost Centre for Debt Repayment)	\$ 168,000	\$ 168,000	\$ 168,000	\$ 168,000	\$ 168,000
Countryside Arena (Annual Contribution from Countryside Arena Operating Cost Centre for Debt Repayment)	\$ 116,000	\$ 116,000	\$ 116,000	\$ 116,000	\$ 116,000
Total Capital Envelope	\$ 3,787,072	\$ 3,857,133	\$ 3,928,596	\$ 4,001,488	\$ 4,075,838

Notes:

1) Parks Equipment Replacement Reserve Fund (\$100,000), Capital Financing Reserve Fund (\$150,000), Cemetery Reserve Fund (\$240,000), Capital Financing Reserve Fund - Leisure Committed (\$50,000)

Priority Setting:

Priority setting for Leisure is based on renewal, health and safety and new facilities. For new facilities, priority is based on Parks/Open Space Leisure Master Plan in order to implement identified priority projects. Priority setting for Facilities is based on aging facilities and need in areas of building shell, roofs, mechanical, electrical and health and safety. Priority setting for Citizen Services is based on building renewal and expansion. In regards to facility priority, it is based on building age (repair roof, replace lighting, replace boiler etc) as well as expansion.

Citizen & Leisure Services Details

PROJECT DESCRIPTION

PROJECT TYPE

R (Renewal)

E (Expansion)

N (New)

2017 REQUEST 2018 OUTLOOK 2019 OUTLOOK 2020 OUTLOOK 2021 OUTLOOK

Leisure

Previous Council Approvals (Internal Borrowing)

Gerry McCrory Countryside Arena - New Ice Pad (2011 to 2035)
 Adanac Ski Hill Lift Replacement

SUBTOTAL Previous Council Approvals

Parks / Playgrounds

Redevelopment of Former St. Joseph's Hospital Parking Lot
 Playground/Outdoor Rinks/Play Structure/General Upgrades
 Tennis Court Resurfacing/Retrofit for Multisport Usage
 Upgrade / Develop Bike Path / Community Trails
 McLean Park Upgrade
 Sports Field Upgrades (ie. Fencing, Bleachers, Player Benches)
 Adanac/Lively Equipment Upgrades
 Capreol Lakefront / Beach Improvement
 Durham Street Parkette Redevelopment
 Pool / Arenas Redevelopment Health & Safety Issues

SUBTOTAL - Parks / Playgrounds

Parks Equipment

Tractor Attachments
 Yard Rakes
 Groomers (2)
 Farm Tractor / Mower
 OverSeeder
 Aerator
 Utility Vehicle
 Toro Walk Behind Mowers
 Trimmers
 Spreader
 Sweeper
 Field Liner
 Mower (16")

SUBTOTAL - Parks Equipment

TOTAL Leisure

PROJECT TYPE	2017 REQUEST	2018 OUTLOOK	2019 OUTLOOK	2020 OUTLOOK	2021 OUTLOOK
N	\$ 404,732 ¹	\$ 404,732	\$ 404,732	\$ 404,732	\$ 404,732
R	\$ 915,000 ²	\$ -	\$ -	\$ -	\$ -
SUBTOTAL	\$ 1,319,732	\$ 404,732	\$ 404,732	\$ 404,732	\$ 404,732
N	\$ 275,000 ³				
R	\$ 75,000	\$ 100,000	\$ 100,000	\$ 200,000	\$ 100,000
R	\$ 50,000	\$ 50,000	\$ 50,000	\$ 300,000	
R	\$ 50,000	\$ 200,000			\$ 100,000
R	\$ 50,000 ⁴				
R	\$ 25,000	\$ 120,000		\$ 200,000	\$ 200,000
N	\$ 12,000	\$ 10,000			\$ 20,000
N	\$ 240,000				
N	\$ 150,000 ⁷				
SUBTOTAL	\$ 537,000	\$ 570,000	\$ 1,160,000	\$ 700,000	\$ 1,170,000
R	\$ 40,000				\$ 45,000
R	\$ 30,000			\$ 15,000	\$ 35,000
R	\$ 30,000	\$ 30,000			\$ 35,000
R	\$ -	\$ 25,000			
R	\$ -	\$ 20,000			
R	\$ -	\$ 10,000	\$ 20,000	\$ 10,000	
R	\$ -	\$ 5,000		\$ 5,000	
R	\$ -	\$ 5,000			
R	\$ -	\$ 5,000	\$ 10,000		
R	\$ -	\$ 5,000	\$ 50,000		
R	\$ -	\$ 5,000	\$ 5,000	\$ 5,000	
R	\$ -	\$ 5,000		\$ 80,000	
SUBTOTAL	\$ 100,000 ⁵	\$ 100,000	\$ 85,000	\$ 115,000	\$ 115,000
TOTAL Leisure	\$ 1,956,732	\$ 1,074,732	\$ 1,999,732	\$ 1,219,732	\$ 1,689,732

Citizen Services

Previous Council Approvals (Internal Borrowing)

South Branch Library (2012 to 2031)
 Civic Mausoleum Phase 5 (2013 to 2022)

Subtotal Previous Council Approvals

N	\$ 278,000 ¹	\$ 278,000	\$ 278,000	\$ 278,000	\$ 278,000
N	\$ 45,000	\$ 45,000	\$ 45,000	\$ 45,000	\$ 45,000
SUBTOTAL	\$ 323,000	\$ 323,000	\$ 323,000	\$ 323,000	\$ 323,000

Citizen & Leisure Services Details

PROJECT DESCRIPTION

PROJECT TYPE

R (Renewal)

E (Expansion)

N (New)

		2017 REQUEST	2018 OUTLOOK	2019 OUTLOOK	2020 OUTLOOK	2021 OUTLOOK
Library, Citizen Services, Museum and Cemetery Projects						
Cemetery						
Columbarium Niche Wall w/engineered cement foundation - Civic	N	\$ 55,000 ⁶			\$ 55,000	
General Maintenance Trees/Irrigation/Fence Repair	R	\$ 45,000 ⁶	\$ 50,000		\$ 40,000	\$ 15,000
Columbarium Niche Wall - St. Joseph	N	\$ 35,000 ⁶			\$ 40,000	
In-Ground Lot Expansion - Capreol	R	\$ 25,000 ⁶				
Civic Mausoleum - Roof Repair	R		\$ 150,000			
Columbarium Niche Wall w/engineered cement foundation - Valley East	N		\$ 55,000			
Surveying & Mapping	N		\$ 15,000			\$ 65,000
Utility Tractor	R			\$ 50,000	\$ 45,000	
Mini Excavator	R			\$ 50,000	\$ 50,000	
Monument Strip Foundations - St. Joseph/Chelmsford	R			\$ 35,000		
Ruff Cemetery - Fencing & Road Repair	N			\$ 35,000		
In-Ground Lot Expansion: Civic	N					\$ 100,000
Road/Driveway Repair: Various Cemeteries	N					\$ 50,000
SUBTOTAL - Cemetery		\$ 160,000	\$ 220,000	\$ 220,000	\$ 230,000	\$ 230,000
Library, Citizen Services & Museum Projects						
Mackenzie Library Roof	R	\$ 250,000				
Lively Citizens Services Centre Roof	R	\$ 150,000				
Chelmsford CSC - Replace HVAC Units on Roof x 2	R	\$ 63,000				
Greater Sudbury Historical Database - Software/Digitization Fees	R		\$ 60,000			
Mackenzie Library Renovations - Public Washrooms	R		\$ 50,000			
Chelmsford CSC - Boiler Replacement	R		\$ 50,000			
Capreol CSC - Windows	R		\$ 50,000			
New Sudbury Library Renovations - Interior/Childrens Area	R		\$ 50,000			
Capreol CSC Boiler Replacement	R		\$ 50,000			
City Museums - Capital Repairs	R		\$ 30,000	\$ 30,000	\$ 30,000	\$ 25,000
Library Interior Signage and Shelving (All Locations)	R		\$ 25,000	\$ 25,000	\$ 25,000	\$ 25,000
Mackenzie Library Renovations - Children's Area	R		\$ 25,000			
New Main Library Proposal (for New Downtown Library, Museum and Archives Complex)	E			\$ 250,000	\$ 250,000	\$ 250,000
Community Archives - Development (Building Renovations / Upgrades)	R			\$ 100,000	\$ 100,000	\$ 100,000
Anderson Farm - Building Maintenance	R					\$ 25,000
Contingency	R	\$ 26,000	\$ 20,000	\$ 20,000	\$ 30,000	\$ 25,000
SUBTOTAL - Library, Citizen Services & Museum Projects		\$ 489,000	\$ 410,000	\$ 425,000	\$ 435,000	\$ 450,000
TOTAL Citizen Services		\$ 972,000	\$ 953,000	\$ 968,000	\$ 988,000	\$ 1,003,000

Citizen & Leisure Services Details

PROJECT DESCRIPTION	PROJECT TYPE R (Renewal) E (Expansion) N (New)	2017 REQUEST	2018 OUTLOOK	2019 OUTLOOK	2020 OUTLOOK	2021 OUTLOOK
Leisure Facilities						
Roofing						
Carmichael Arena (flat portion of roof identified in 2012 BCA for 2017)	R	\$ 150,000				
Cambrian Arena Re-roofing (flat portion identified in 2012 BCA for 2017)	R	\$ 150,000				
Kathleen Depot Re-roofing (bay Area - original roof 1958)	R	\$ 130,000				
Minnow Lake Place Roof Repairs	R	\$ 25,000				
McClelland Arena - Re-roofing	R		\$ 200,000			
Toe Blake Arena - Re-roofing	R		\$ 200,000			
Onaping Falls Community Centre	R		\$ 150,000			
Howard Armstrong Recreation Complex	R		\$ 150,000			
Chelmsford Arena - Main Rink Roof	R		\$ 15,000		\$ 200,000	
Garson Arena - Flat Roof	R		\$ 15,000			
Capreol Arena - Main Roof	R			\$ 250,000		
Raymond Plourde Arena - Main Rink Roof	R			\$ 250,000		
Sudbury Community Arena	R				\$ 625,000	
Roofing - Leisure Facilities						\$ 500,000
Centennial Arena						\$ 250,000
SUBTOTAL - Roofing		\$ 455,000	\$ 730,000	\$ 500,000	\$ 825,000	\$ 750,000
Equipment Replacement						
Chelmsford Arena Chiller Replacement	R				\$ 90,000	
Chelmsford Arena Compressor Replacement	R				\$ 50,000	
SUBTOTAL - Equipment Replacement		\$ -	\$ -	\$ -	\$ 140,000	\$ -
Structural Repairs & Upgrades						
T.M. Davies Arena - Drainage/Exterior Wall Repairs	R	\$ 125,000				
Sudbury Arena - North East Stairwell Structural Repairs/Waterproofing	N	\$ 100,000	\$ 125,000			
Chelmsford Arena - Drainage/Exterior Wall Repairs	R		\$ 150,000			
I.J. Coady Arena - Exterior Wall Restoration	R		\$ 70,000			
Onaping Falls Pool - Exterior Restoration	R		\$ 60,000			
Centennial Arena - Door Replacement	R		\$ 33,000			
T.M. Davies Arena - Door Replacement	R		\$ 25,000			
Centennial Arena - Zamboni Entrance	R		\$ 10,000			
Garson Arena - Exterior Wall Restoration	R		\$ 10,000			
Raymond Plourde Arena - Exterior Wall Restoration	R		\$ 10,000			
Carmichael Arena (Water Infiltration/Drainage)	R		\$ 10,000		\$ 90,000	
SUBTOTAL - Structural Repairs & Upgrades		\$ 225,000	\$ 493,000	\$ -	\$ 90,000	\$ -

Citizen & Leisure Services Details

PROJECT DESCRIPTION	PROJECT TYPE	2017 REQUEST				2018 OUTLOOK				2019 OUTLOOK				2020 OUTLOOK				2021 OUTLOOK			
		R (Renewal)	E (Expansion)	N (New)		R (Renewal)	E (Expansion)	N (New)		R (Renewal)	E (Expansion)	N (New)		R (Renewal)	E (Expansion)	N (New)		R (Renewal)	E (Expansion)	N (New)	
Heating & Ventilation																					
RG Dow Pool HVAC Replacement	R			\$	190,000																
Various Pools - HVAC Replacement	R					\$	300,000														
T.M. Davies - Ventilation Improvement	R					\$	75,000														
Cambrian Arena - Dehumidifier	R					\$	50,000														
Centennial Arena - Ventilation	R					\$	25,000														
HARC HVAC	N																				
Chelmsford Arena - Ventilation	R																				
SUBTOTAL - Heating & Ventilation						\$	190,000	\$	450,000	\$	825,000	\$	-	\$	240,000	\$	200,000	\$	440,000	\$	-
Interior Renovations																					
Arena Upgrades (Mechanical/Electrical etc)	R					\$	75,000														
Waterfront/Pools Upgrades - General Interior Upgrades	R					\$	75,000														
SUBTOTAL - Interior Renovations						\$	75,000														
Other Upgrades and Improvements																					
Chelmsford Family Health Team Site Work	R					\$	125,000														
Energy Retrofits - Arenas, Sportsfields and Skateparks	R					\$	95,000														
HARC - Refurbishing tiles pool deck	R					\$	70,000														
Accessibility (Various Locations)	R					\$	50,000														
Studies and Engineering Studies Various Locations Incl Fieldhouses	NE					\$	50,000														
Therapeutic/Leisure Pool (Initial Seed Funding for Project)	N					\$	50,000														
Elgin Greenway Park Development	R																				
Parking Lot Improvements (Various Leisure Facilities)	R																				
Contingency	R					\$	35,340														
SUBTOTAL - Other Upgrades and Improvements						\$	425,340	\$	781,401	\$	275,864	\$	100,000	\$	250,000	\$	154,972	\$	698,756	\$	208,106
Health & Safety																					
Bell Park Health & Safety Retrofit - Boardwalk / Walkways (ie. Retaining Walls, Lighting and Walkway Replacement & Repairs)	R					\$	80,000														
Sports Flooring Replacement - Cambrian/McClelland Arenas	R					\$	78,000														
Health & Safety Retrofits - Leisure Facilities	R					\$	60,000														
Stewart Park Stairs	R					\$	35,000														
Moonlight Beach Upgrades	R																				
SUBTOTAL - Health & Safety						\$	253,000	\$	50,000	\$	50,000	\$	100,000	\$	280,000	\$	320,000	\$	533,106	\$	100,000
TOTAL Facilities						\$	1,623,340	\$	2,504,401	\$	1,650,864	\$	2,513,756	\$	4,721,488	\$	4,830,838	\$	4,830,838	\$	4,830,838

Citizen & Leisure Services Details



PROJECT DESCRIPTION	PROJECT TYPE		2017 REQUEST	2018 OUTLOOK	2019 OUTLOOK	2020 OUTLOOK	2021 OUTLOOK
	R (Renewal)	E (Expansion)					

PROJECT DESCRIPTION	R (Renewal)	E (Expansion)	2017 REQUEST	2018 OUTLOOK	2019 OUTLOOK	2020 OUTLOOK	2021 OUTLOOK
Notes:							
1. Development charges are partially funding the internal debt repayments for Gerry McCrory Countryside Arena (\$115,000) and the South Branch Library (\$110,000).							
2. Total funding committed for the Adanac Ski Lift replacement is \$2.3 million.							
3. Total funding for the St. Joseph Parking lot redevelopment is \$975,000 which consists of \$275,000 in the 2017 Capital Budget and \$700,000 in the 2016 Capital Budget. The 2017 cost of \$275,000 is partially funded from the Capital Financing Reserve Fund - Leisure in the amount of \$240,000.							
4. Funding for McLean Playground upgrades are set aside in the Capital Financing Reserve Fund - Leisure Committed from the annual lease revenue at this site.							
5. Funded from the Parks Equipment Replacement Reserve Fund.							
6. Following Cemetery projects funded from the Cemeteries Reserve Fund							
- Columbarium Niche Wall w/engineered cement foundation - Civic			\$ 55,000				
- General Maintenance Trees/Irrigation/Fence Repair			\$ 45,000				
- Columbarium Niche Wall - St. Joseph			\$ 35,000				
- In-Ground Lot Expansion - Capreol			\$ 15,000				
			\$ 150,000				

7. Combined project with Roads with previously approved funds of \$167,000 in the 2016 Leisure Capital Budget.

Health & Social Services

PROJECT DESCRIPTION	PROJECT TYPE R (Renewal) E (Expansion) N (New)	2017 REQUEST	2018 OUTLOOK	2019 OUTLOOK	2020 OUTLOOK	2021 OUTLOOK
Pioneer Manor						
Paving and Lining of Parking Lot	N	\$ 100,000 ¹	\$ 100,000 ¹	\$ 100,000 ¹	\$ 62,000	\$ 62,000
Tubs	R	\$ 93,000	\$ 62,000	\$ 62,000	\$ 62,000	\$ 62,000
Boilers	R	\$ 50,000	\$ 55,000	\$ 90,000	\$ 100,000	\$ 100,000
Energy Efficient Lighting	R	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000
High Low Beds	R	\$ 40,000	\$ 35,000	\$ 40,000	\$ 40,000	\$ 40,000
Pot Washer	N	\$ 35,000				
Sprinkler System - Fire Code Compliance	N	\$ 35,000				
Therapeutic Mattresses	R	\$ 19,328	\$ 25,475	\$ 21,945	\$ 29,744	\$ 33,879
Kitchen Equipment	R	\$ 20,000	\$ 20,000	\$ 10,000	\$ 20,000	\$ 20,000
Mattresses	R	\$ 15,000	\$ 15,000	\$ 15,000	\$ 15,000	\$ 15,000
Lifts	R	\$ 12,000	\$ 12,000	\$ 12,000	\$ 20,000	\$ 20,000
Resident Dining Room Furniture	R	\$ 10,000	\$ 10,000	\$ 10,000		
IT Capital Replacement and Software	R	\$ 10,000	\$ 5,000	\$ 5,000	\$ 20,000 ²	\$ 5,000
New Audio Visual and Replacement	N/R	\$ 10,000	\$ 5,000	\$ 5,000	\$ 5,000	\$ 5,000
MotoMed	R	\$ 8,000		\$ 8,000		\$ 8,000
Steam Kettle	R				\$ 15,000	
Air Handling Units	R		\$ 100,000	\$ 100,000	\$ 100,000	\$ 175,000
EIFS & Window Replacement	R		\$ 43,000		\$ 40,000	
Dryers	R		\$ 6,000	\$ 6,000		
Floor Washing Machine	R					
Washing Machine	R			\$ 25,000		
Total Pioneer Manor		\$ 507,328	\$ 543,475	\$ 559,945	\$ 516,744	\$ 563,879
Social Services						
Social Services - Carpet Replacement	R	\$ 50,000				
Community Hubs / Recommissioning Space	N	\$ 250,000 ³	\$ 280,000	\$ 280,000	\$ 340,000	\$ 310,000
Total Social Services		\$ 300,000	\$ 280,000	\$ 280,000	\$ 340,000	\$ 310,000
PROJECT COSTS		\$ 807,328	\$ 823,475	\$ 839,945	\$ 856,744	\$ 873,879
PROJECT FINANCING						
Reserves: Capital						
CAPITAL ENVELOPE (Tax Levy)		\$ 807,328	\$ 823,475	\$ 839,945	\$ 856,744	\$ 873,879

Notes:

- 1) Parking lot redevelopment is required so that bed redevelopment construction can occur on existing parking lot.
- 2) Replacement of Point Click Care Tablets.
- 3) This is funding towards renovating space in municipal facilities to create Community Hubs.

Priority Setting:

Based on strategic priorities for Health and Social Services such as infrastructure in Housing, Child Care, Social Services and Pioneer Manor. Capital expenditures at Pioneer Manor are prioritized taking into consideration health & safety of residents, staff and visitors to Pioneer Manor as well as legislative requirements, best practice and community needs.

Healthy Community Initiative Fund (HCI)

PROJECT DESCRIPTION

	2017 REQUEST	2018 OUTLOOK	2019 OUTLOOK	2020 OUTLOOK	2021 OUTLOOK
Healthy Community Initiatives Fund	\$ 600,000	\$ 600,000	\$ 600,000	\$ 600,000	\$ 600,000
PROJECT COSTS	\$ 600,000	\$ 600,000	\$ 600,000	\$ 600,000	\$ 600,000
CAPITAL ENVELOPE (Tax Levy)	\$ 600,000	\$ 600,000	\$ 600,000	\$ 600,000	\$ 600,000

In accordance with Section 5 of the By-Law 2016-18 on the Healthy Community Initiative Fund, the HCI funds form part of the City's Capital Fund and therefore the unspent balance at the end of each fiscal year, can be carried forward to be spent in future years on eligible capital projects in accordance with Section 7.

Priority Setting:

The Healthy Community Initiative (HCI) Fund supports one of Council's strategic priorities, supporting the promotion of Greater Sudbury as a healthy community. HCI funds allocate \$50,000 annually to each of the 12 wards, with 75 per cent of the funds going to capital projects and 25 per cent to community grants. Funds will be issued to projects that promote community growth and contribute to the quality of life in Greater Sudbury as outlined in the approved By-Law 2016-18.

Healthy Community Initiative Fund Policy - Eligible Expenditures:

As per By-Law 2016-18, the sum of eligible expenses in the categories of grants and donations, community event expenses, gifts and promotions for community events cannot exceed 25% of the HCI annual allocation per annum. The remaining 75% of the annual allocation is available only for eligible Capital projects to build, replace, repair or purchase municipally owned assets. A capital asset or expenditure may be defined as any expenditure to acquire or improve buildings or structures, playground structures, machinery or equipment, extension of utilities to or within a city property.

Note 1: Each approved request must positively advance at least one of the HCI priorities and at least one Sustainable Development Challenge as indicated below:

(A) Human Health & Well-Being	Healthy Community Initiative Priorities
(B) Civic Engagement / Social Capital	Sustainable Development Challenge
(C) Environmental Sustainability	Health Status
(D) Economic Vitality	Safety
	Poverty
	Educational Achievement
	Homelessness
	Ecosystems
	Lake Water Quality
	Youth Out-migration
	Employment
	Arts and Culture
	Infrastructure

Facilities Summary (Excl. Citizen & Leisure)

CATEGORY DESCRIPTION

Annual Funding ²
Sustainability

(For detailed project listing see attached)

	2017 REQUEST	2018 OUTLOOK	2019 OUTLOOK	2020 OUTLOOK	2021 OUTLOOK
Previous Council Approvals	\$ 431,201	\$ 389,501	\$ 389,501	\$ 389,501	\$ 389,501
Lionel E Lalonde Centre	\$ 190,000	\$ 185,000	\$ 160,000	\$ 50,000	\$ 1,015,000
EMS and Fire Halls	\$ 280,000	\$ 150,000	\$ 50,000	\$ 500,000	\$ -
Transit Buildings	\$ 200,000	\$ -	\$ -	\$ -	\$ -
Infrastructure Buildings	\$ 330,000	\$ 210,000	\$ 555,000	\$ 650,000	\$ -
Tom Davies Square Complex Building	\$ 580,000	\$ 490,000	\$ 240,000	\$ 25,000	\$ 200,000
Other Buildings	\$ 223,859	\$ 233,060	\$ 296,211	\$ 110,025	\$ 154,516
PROJECT COSTS	\$ 2,235,060	\$ 1,657,561	\$ 1,690,712	\$ 1,724,526	\$ 1,759,017

PROJECT FINANCING

Reserves: Capital

\$ (610,000) ¹

CAPITAL ENVELOPE (Tax Levy)

	\$ 1,625,060	\$ 1,657,561	\$ 1,690,712	\$ 1,724,526	\$ 1,759,017
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1) Parking Improvements Reserve Fund - \$160,000, Capital Financing Reserve Fund - Buildings - \$450,000

2) Annual funding sustainability based on estimated 2014 replacement cost over estimated useful life. This does not include the infrastructure deficit / gap as well upgrades related to various Building Code and Regulations (ie. Accessibility).

Priority Setting:

Each facility project was analyzed using a reference matrix which takes into account both end user input (projects viewed as Health and Safety by staff on site, etc) and also were prioritized regarding impact versus probability (ie. impact of a serious failure on the facility versus how likely is the failure to occur).

Facilities Summary (Excl. Citizen & Leisure)

PROJECT DESCRIPTION	PROJECT TYPE	2017 REQUEST	2018 OUTLOOK	2019 OUTLOOK	2020 OUTLOOK	2021 OUTLOOK
PREVIOUS COUNCIL APPROVALS						
Boiler Upgrades: Decommission Electric and Continue System Installation	R	\$ 105,000				
Tom Davies Square - Courtyard Project (2016 to 2022)	R	\$ 326,201	\$ 389,501	\$ 389,501	\$ 389,501	\$ 389,501
SUBTOTAL - PREVIOUS COUNCIL APPROVALS		\$ 431,201	\$ 389,501	\$ 389,501	\$ 389,501	\$ 389,501
Lionel E Lalonde Centre						
Building Shell / Exterior Renovations						
Soffit Review, Design and Repairs	R	\$ 125,000				
Window Refurbishment	R		\$ 150,000			
Interior Renovations						
Stair Railings and Guards	N	\$ 15,000				
Interior Door Refurbishment	R		\$ 35,000			
Accessibility Provisions	R					\$ 235,000
Heating and Ventilation						
BAS (Building Automation System)	R	\$ 50,000		\$ 100,000	\$ 50,000	
Fire Detection and Suppression System Upgrades	R			\$ 60,000		
Heating Document, Refurbish, Balance System	R					\$ 200,000
Heating Replace AC units 4 and 5	R					\$ 250,000
Heating Replace HV 1, 2, 3, 4	R					\$ 330,000
SUBTOTAL - Lionel E Lalonde Centre		\$ 190,000	\$ 185,000	\$ 160,000	\$ 50,000	\$ 1,015,000
EMS and Fire Halls						
Roof Repairs						
Van Horne Station 1 - Roof Replacement	R	\$ 250,000				
Building Shell / Exterior Renovations						
Various Fire Halls - Health and Safety	R	\$ 30,000	\$ 20,000	\$ 50,000		
Various Firehall - Window/Door Replacement	R		\$ 75,000			
Heating and Ventilation						
Chelmsford Fire and EMS Station - HVAC	R		\$ 55,000			
Other Projects & Studies						
General Repairs and Upgrades to Fire Halls (from CCI BCA report)	R				\$ 500,000	
SUBTOTAL - EMS and Fire Halls		\$ 280,000	\$ 150,000	\$ 50,000	\$ 500,000	\$ -

Facilities Summary (Excl. Citizen & Leisure)

PROJECT DESCRIPTION	PROJECT TYPE	2017 REQUEST	2018 OUTLOOK	2019 OUTLOOK	2020 OUTLOOK	2021 OUTLOOK
Transit Buildings						
Building Shell / Exterior Renovations						
Downtown Terminal - Door Upgrade and Replacement	R	\$ 200,000 ³				
SUBTOTAL - Transit Buildings		\$ 200,000	\$ -	\$ -	\$ -	\$ -
Infrastructure Buildings						
Roof Repairs						
St. Clair Administration Building - Re-roofing	R	\$ 250,000 ³				
Naughton Depot Main Building - Re-Roof A	R		\$ 90,000			
Suez Depot Salt Sheds - Re-roofing	R		\$ 80,000			
Naughton Depot Main Building - Re-Roof B	R			\$ 90,000		
Building Shell / Exterior Renovations						
Various Public Works Facility - Overhead Door Replacement	R	\$ 50,000	\$ 50,000			
Frobisher Operations Buildings - Building Shell Repairs	R	\$ 30,000	\$ 50,000			
Various Public Works - Building Shell Upgrades	R		\$ 60,000	\$ 75,000		
Whitefish Public Works Garage - Building Shell - Windows / Doors	R		\$ 100,000			
Dowling Public Works Garage - Building Shell Repairs	R			\$ 60,000		
Interior Renovations						
Various Public Works Buildings - Interior Improvements	R			\$ 70,000		
Levack Public Works Depot - Flooring	R			\$ 10,000		
Heating and Ventilation						
Frobisher Operations Building - Replace Existing Rooftop Units HVAC	R		\$ 100,000			
Other Projects & Studies						
Various Repairs and Upgrades to PW Depots (from CCI BCA report)	R			\$ 80,000	\$ 500,000	
SUBTOTAL - Infrastructure Buildings		\$ 330,000	\$ 210,000	\$ 555,000	\$ 650,000	\$ -

Facilities Summary (Excl. Citizen & Leisure)

PROJECT DESCRIPTION

PROJECT TYPE

		2017 REQUEST	2018 OUTLOOK	2019 OUTLOOK	2020 OUTLOOK	2021 OUTLOOK
Tom Davies Square Complex Building¹						
Paris Street Ramp Slab Heating Repairs - Underground Parking	R	\$ 160,000 ²				
Stair Repairs and Restoration Phase 2	R	\$ 150,000				
Building Shell - Fire-Rating Repairs Design (partial funding)	R	\$ 100,000				
Ventilation Fan (Fresh Air Fan #15)	R	\$ 80,000				
Interior Finishes (TDS) - Ongoing Interior Upgrades and Replacements (Elevator related)	R	\$ 40,000	\$ 90,000	\$ 100,000		\$ 175,000
Main fresh air supply fan #4 - Replacement	R	\$ 30,000				
Electrical Systems - Distribution Audit and Review, Arc + Coord Study	R	\$ 20,000				
Ext. Window and Door Replacement (Ongoing Replacements Throughout Facility)	R	\$ 150,000	\$ 10,000			
Replace Pumps, Motors and Accessories (TDS)	R	\$ 80,000				
Building Shell - Repairs Design (partial funding)	R	\$ 70,000				
HVAC Air Handlers Replacements (190 Brady)	R	\$ 50,000				
Smoke Seal and Firestop	R	\$ 25,000	\$ 25,000	\$ 25,000	\$ 25,000	\$ 25,000
Interior Plumbing Upgrades and Refurbishments	R	\$ 25,000	\$ 25,000			
Water Heater Replacement (190 Brady)	R	\$ 50,000				
Water Heater Replacement (200 Brady)	R	\$ 30,000				
SUBTOTAL - Tom Davies Square Complex Building		\$ 580,000	\$ 490,000	\$ 240,000	\$ 25,000	\$ 200,000
Other Buildings						
Various Locations - Roof Repairs	R	\$ 115,000	\$ 140,000	\$ 140,000		\$ 50,000
Contingency		\$ 108,859	\$ 93,060	\$ 156,211	\$ 110,025	\$ 104,516
SUBTOTAL - Other Buildings		\$ 223,859	\$ 233,060	\$ 296,211	\$ 110,025	\$ 154,516
PROJECT COSTS		\$ 2,235,060	\$ 1,657,561	\$ 1,690,712	\$ 1,724,526	\$ 1,759,017

Notes:

- 1) Tom Davies Square Complex Building consists of 200 Brady Street - TDS and 190 Brady Street - Police; excludes 199 Larch Street - Provincial Tower as separate capital budget.
- 2) This project will be funded from the Parking Improvements Reserve Fund.
- 3) These projects will be funded from the Capital Financing Reserve Fund - Buildings (\$450,000).

199 Larch Street

PROJECT DESCRIPTION		PROJECT TYPE	2017 REQUEST	2018 OUTLOOK	2019 OUTLOOK	2020 OUTLOOK	2021 OUTLOOK
		R (Renewal)					
Building Shell / Exterior Renovations							
Upgrade Main Level Curtainwall and Revolving Door at Main Entrance	R	\$	325,000				
Loading Dock Platform Upgrade	R			35,000			
Doors - Interior Refurbishment and Replacement	R				93,000		
Exterior Walls - Sealant Replacement (partial funding)	R					\$	250,000
Windows - Refurbish All Fenestrations and Localized Glazing Replacements	R						210,000
Mechanical, Heating and Ventilation							
Humidification	R	\$	225,000				
Fresh Air Intake - Filters	R	\$	185,000				
Elevator Machine Room Temperature Control	R	\$	65,000				
Hydronic Heating Upgrades	R	\$	50,000				
Upgrade Cooling System Chemical Treatment	R	\$	30,000				
Loading Dock / Larch - Heat Tracing	R	\$	30,000				
Elevator Upgrades and Refurbishments (partial funding)	R	\$	550,000 ²	\$	550,000 ²		
Make Up Air Unit and Heat Recovery Coil Replacement	R	\$	185,000				
Air Handling Compartment and Fan Units	R			\$	125,000		
Energy Conservation / Upgrades / Lighting	R						\$ 75,000
HVAC Supply Fan Replacement Motors/Units (8 Units)	R						\$ 60,000
HVAC update garage exhaust system (new fan, new sensors)	R						\$ 60,000
Machine Guarding (Localized) in Various Rooms	R						\$ 45,000
HVAC Replace Keitch Panel at CHW System	R						\$ 40,000
Repair Entrance Ramp at Paris Street	R						\$ 30,000
New Gate at Cooling Tower	R						\$ 15,000
Interior Renovations							
Washrooms Upgrade (partial funding) (AODA compliance prior to 2025)	R	\$	175,000		\$	225,000	\$
Interior Finishes Upgrade (Common Areas)	R			\$	202,500	\$	225,000
PROJECT COSTS			\$	\$	\$	\$	\$
			\$	1,085,000	\$	972,500	\$
			\$		\$	1,195,500	\$
			\$		\$	685,000	\$
			\$		\$	(325,000)	\$
PROJECT FINANCING							
Reserves: Capital		\$	(1,085,000) ¹	\$	(972,500)	\$	(1,195,500)
CAPITAL ENVELOPE (Tax Levy)			\$	\$	\$	\$	\$
			\$		\$		\$
			\$		\$		\$

Priority Setting:

The above projects were identified based on life safety, expected life cycle and existing condition as well as recent building condition assessment reports that identified critical/urgent repairs. Based on the Lease Agreement for 199 Larch Street, the Province pays a portion of operating expenditures for the building. Several projects above are operating expenditures in terms of the lease contract and generally accepted accounting principles, therefore will be partially funded by the Province.

1) There are additional needs for capital replacement/repairs that have exceeded the balance in the 199 Larch Street Reserve Fund. This has resulted in projects to be funded from the Capital Financing Reserve Fund - General Committed. Any draws will be repaid as funds become available.

2) The elevators have recently (in summer 2016) had a large quantity of equipment related downtime during regular working hours. Our consultant recommends replacement of the equipment before 2019.

Parking

PROJECT DESCRIPTION	PROJECT TYPE	2017 REQUEST		2018 OUTLOOK		2019 OUTLOOK		2020 OUTLOOK		2021 OUTLOOK	
Parking											
Parking Improvements	R	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$
PROJECT COSTS		\$	\$	\$	\$	\$	\$	\$	\$	\$	\$
PROJECT FINANCING											
Reserves: Capital		\$	(100,000) ¹	\$	(100,000)	\$	(100,000)	\$	(100,000)	\$	(100,000)
CAPITAL ENVELOPE (Tax Levy)		\$	\$	\$	\$	\$	\$	\$	\$	\$	\$

Notes:

1 - Parking Improvements Reserve Fund.

Priority Setting:

Projects for 2017 Parking Improvements include resurfacing/asphalting parking lots and upgrading pay and display machines.

Transit

PROJECT DESCRIPTION	PROJECT TYPE R (Renewal) E (Expansion) N (New)	2017 REQUEST	2018 OUTLOOK	2019 OUTLOOK	2020 OUTLOOK	2021 OUTLOOK
Garage Improvements - Lorne St.	R	\$ 3,700,000 ^{1,3}				
Transit Buses	R	\$ 2,908,000 ^{1,3}				
Accelerated Rebuild Program Costs	R	\$ 1,350,000 ^{1,3}				
Terminal Improvements - Elm St.	R	\$ 1,025,000 ^{1,3}				
Route Optimization Study	N	\$ 1,000,000 ^{1,3}				
AVL Modem Upgrade	R	\$ 200,000 ^{1,3}				
Scheduling Software Upgrade	N	\$ 200,000 ^{1,2,3}				
Accelerated Shelter Restoration	R	\$ 120,000 ^{2,3}				
Handi Transit Buses (Contribution to Operating)	E	\$ 80,000 ^{2,3}				
Bus Rebuilds	R	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000
Transit Maintenance Software	N	\$ 40,000 ³				
Pedestrian Crosswalk Upgrades to Terminal (for Roads Project)	N	\$ 25,000				
Bus Shelters (Contribution to Reserve Fund)	E	\$ 13,000	\$ 13,000	\$ 13,000	\$ 13,000	\$ 13,000
Stop Announcement System Upgrade	R	\$ 7,000				
Vans/Cars	R		\$ 90,000		\$ 90,000	\$ 35,000
Service Trucks/Equipment	R					\$ 67,570
PROJECT COSTS		\$ 10,718,000	\$ 153,000	\$ 63,000	\$ 153,000	\$ 165,570
PROJECT FINANCING						
Reserves: Capital		\$ (115,835) ²	\$ -	\$ 59,591	\$ -	\$ -
Reserves Obligatory: Provincial Gas Tax		\$ (1,434,706) ¹	\$ (780,438)	\$ (747,626)	\$ (775,583)	\$ (785,653)
Internal Future Financing		\$ (3,738,129) ^{1,4}	\$ 747,626	\$ 747,626	\$ 747,626	\$ 747,626
Grants: Public Transit Infrastructure Fund		\$ (5,311,500) ³	\$ -	\$ -	\$ -	\$ -
CAPITAL ENVELOPE (Tax Levy)		\$ 117,830	\$ 120,188	\$ 122,591	\$ 125,043	\$ 127,543

Notes:

1 - Provincial Gas Tax Reserve Fund
 Garage Improvements - Lorne Street
 Transit Buses
 Accelerated Rebuild Program Costs
 Terminal Improvements - Elm Street
 Route Optimization Study
 AVL Modern Upgrade
 Scheduling Software Upgrade

	2017 Funding	Internal Financing
	\$ -	\$ 1,850,000
	\$ 1,434,706	\$ 19,294
	\$ -	\$ 675,000
	\$ -	\$ 512,500
	\$ -	\$ 500,000
	\$ -	\$ 100,000
	\$ -	\$ 81,335
	\$ 1,434,706	\$ 3,738,129
	\$	\$ 5,172,835

Total funding from Provincial Gas Tax Reserve Fund

2 - Capital Financing Reserve Fund - Transit
 Scheduling Software Upgrade
 Accelerated Shelter Restoration
 Handi Transit Buses (Contribution to Operating)

	\$ 18,665
	\$ 60,000
	\$ 37,170
	\$ 115,835

3 - Grants - Public Transit Infrastructure Fund
 Garage Improvements - Lorne Street
 Transit Buses
 Accelerated Rebuild Program Costs
 Terminal Improvements - Elm Street
 Route Optimization Study
 AVL Modern Upgrade
 Scheduling Software Upgrade
 Accelerated Shelter Restoration
 Handi Transit Buses (Contribution to Operating)
 Transit Maintenance Software

	\$ 1,850,000
	\$ 1,454,000
	\$ 675,000
	\$ 512,500
	\$ 500,000
	\$ 100,000
	\$ 100,000
	\$ 60,000
	\$ 40,000
	\$ 20,000
	\$ 5,311,500

4 - Internal future financing relates to the City's share for the PTIF related projects. Future repayments will be made from the Provincial Gas Tax Reserve Fund over the next 5 years.

Priority Setting:

There is a Transit long term financial plan for a 20 year period which is based on the estimated lifecycle of transit buses and need for replacement of other assets. Typically, the Capital Budget has been prepared in accordance with this plan to ensure fiscal sustainability. However, in August 2016 staff has received a federal grant opportunity (Public Transit Infrastructure Fund) and as a result staff is still in the process of updating the plan, particularly the replacement cycle of buses. Therefore, the outlook years presented above are subject to change.

Fleet Summary

CATEGORY DESCRIPTION <i>(For detailed project listing see attached)</i>	2017 REQUEST	2018 OUTLOOK	2019 OUTLOOK	2020 OUTLOOK	2021 OUTLOOK
Heavy Duty Trucks (Equipped for Winter Control)	\$ 1,000,000	\$ 1,000,000	\$ 1,000,000	\$ 1,048,199	\$ 1,100,000
Specialty Equipment (Sweepers, Flushers, Vactors etc)	\$ 310,000	\$ 310,000	\$ -	\$ 485,000	\$ 600,000
Medium Duty Vehicles (3/4 and 1 Ton Trucks & Vans)	\$ 230,000	\$ 230,000	\$ 290,000	\$ 250,000	\$ 300,000
Light Duty Vehicles (Cars, Mini-Vans, 1/2 Ton Pickup Trucks)	\$ 250,000	\$ 250,000	\$ 250,000	\$ 250,000	\$ 300,000
Heavy Duty Trucks (Not Equipped for Winter Control)	\$ -	\$ -	\$ -	\$ 225,000	\$ 225,000
Zamboni's	\$ 95,000	\$ -	\$ 95,000	\$ -	\$ 95,000
Hybrid Vehicles	\$ 32,000	\$ 32,000	\$ 32,000	\$ 32,000	\$ 32,000
Garbage Packers	\$ 800,000	\$ 800,000	\$ 800,000	\$ -	\$ -
Heavy Duty Equipment (Graders, Loaders, Backhoes etc)	\$ 200,000	\$ -	\$ 175,000	\$ 300,000	\$ -
Vehicle/Equipment Rebuilding	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000
Fuel System Upgrade	\$ 115,000	\$ -	\$ -	\$ -	\$ -
PROJECT COSTS	\$ 3,132,000	\$ 2,722,000	\$ 2,742,000	\$ 2,690,199	\$ 2,752,000
PROJECT FINANCING					
Reserves: Capital	\$ (3,132,000)	\$ (2,722,000)	\$ (2,742,000)	\$ (2,690,199)	\$ (2,752,000)
CAPITAL ENVELOPE (Tax Levy)	\$ -	\$ -	\$ -	\$ -	\$ -
Annual Contribution to Reserve Fund	\$ 2,535,034	\$ 2,585,735	\$ 2,637,450	\$ 2,690,199	\$ 2,744,003
Additional Draw from Equipment and Vehicle Replacement Reserve Fund - Fleet	\$ 596,966	\$ 136,265	\$ 104,550	\$ -	\$ 7,997
Total Funding from Reserve Fund	\$ 3,132,000	\$ 2,722,000	\$ 2,742,000	\$ 2,690,199	\$ 2,752,000

Notes:

- 1 - The annual operating budget includes a contribution to the Equipment and Vehicle Replacement Reserve Fund - Fleet of \$2,535,034 in 2017 with a 2% increase in future years.
- 2 - This 5 year capital budget includes an additional contribution from the Equipment and Vehicle Replacement Reserve Fund - Fleet of various amounts per year to meet the fleet lifecycle replacement requirements.

Priority Setting:

Priority setting is based on review of each vehicle for its age and condition (ie. mileage, body condition, etc). Based on available funding, the most urgent vehicles required to be replaced based on age/conditions are recommended in the budget on a yearly basis.

Fleet Detail

PROJECT DESCRIPTION	PROJECT TYPE	OUTLOOK				
		2017 REQUEST	2018 OUTLOOK	2019 OUTLOOK	2020 OUTLOOK	2021 OUTLOOK
Heavy Duty Trucks (Equipped for Winter Control)	R (Renewal)	\$ 1,000,000	\$ 1,000,000	\$ 1,000,000	\$ 1,048,199	\$ 1,100,000
Tandem Multi-Function	N (New)	\$ 1,000,000	\$ 1,000,000	\$ 1,000,000	\$ 1,048,199	\$ 1,100,000
SUBTOTAL - Heavy Duty Trucks (Equipped for Winter Control)		\$ 1,000,000	\$ 1,000,000	\$ 1,000,000	\$ 1,048,199	\$ 1,100,000
Specialty Equipment (Sweepers, Flushers, Vactors etc.)	R	\$ 310,000	\$ 310,000	\$ -	\$ 485,000	\$ 300,000
Trackless MT5	R	\$ 310,000	\$ 310,000	\$ -	\$ 485,000	\$ 300,000
Asphalt Equipment	R	\$ -	\$ -	\$ -	\$ -	\$ 120,000
Compressors	R	\$ -	\$ -	\$ -	\$ -	\$ 100,000
Boilers / Steamers	R	\$ -	\$ -	\$ -	\$ -	\$ 100,000
Street Sweeper	R	\$ -	\$ -	\$ -	\$ -	\$ 300,000
SUBTOTAL - Specialty Equipment (Sweepers, Flushers, Vactors etc.)		\$ 310,000	\$ 310,000	\$ -	\$ 485,000	\$ 600,000
Medium Duty Vehicles (3/4 and 1 Ton Trucks & Vans)	R	\$ 100,000	\$ 100,000	\$ 140,000	\$ 100,000	\$ 100,000
1 Ton Dump	R	\$ 100,000	\$ 100,000	\$ 140,000	\$ 100,000	\$ 100,000
3/4 Ton 4x4 Pickup / Crew Cabs	R	\$ 75,000	\$ 75,000	\$ 75,000	\$ 75,000	\$ 100,000
Vans	R	\$ 55,000	\$ 55,000	\$ 75,000	\$ 75,000	\$ 100,000
SUBTOTAL - Medium Duty Vehicles (3/4 and 1 Ton Trucks & Vans)		\$ 230,000	\$ 230,000	\$ 290,000	\$ 250,000	\$ 300,000
Light Duty Vehicles (Cars, Mini-Vans, 1/2 Ton Pickup Trucks)	R	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000
1/2 Ton Pickups	R	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000
Cars	R	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 100,000
Mini Vans	R	\$ -	\$ -	\$ -	\$ -	\$ 100,000
SUBTOTAL - Light Duty Vehicles (Cars, Mini-Vans, 1/2 Ton Pickup Trucks)		\$ 250,000	\$ 250,000	\$ 250,000	\$ 250,000	\$ 300,000
Heavy Duty Trucks (Not Equipped for Winter Control)	R	\$ -	\$ -	\$ -	\$ 225,000	\$ 225,000
Single Axle Dump Truck	R	\$ -	\$ -	\$ -	\$ 225,000	\$ 225,000
SUBTOTAL - Heavy Duty Trucks (Not Equipped for Winter Control)		\$ -	\$ -	\$ -	\$ 225,000	\$ 225,000
Zamboni's	R	\$ 95,000	\$ -	\$ 95,000	\$ -	\$ 95,000
Zamboni	R	\$ 95,000	\$ -	\$ 95,000	\$ -	\$ 95,000
SUBTOTAL - Zamboni's		\$ 95,000	\$ -	\$ 95,000	\$ -	\$ 95,000
Hybrid Vehicles	R	\$ 32,000	\$ 32,000	\$ 32,000	\$ 32,000	\$ 32,000
Hybrid Cars	R	\$ 32,000	\$ 32,000	\$ 32,000	\$ 32,000	\$ 32,000
SUBTOTAL - Hybrid Vehicles		\$ 32,000	\$ 32,000	\$ 32,000	\$ 32,000	\$ 32,000
Garbage Packers	R	\$ 800,000	\$ 800,000	\$ 800,000	\$ -	\$ -
Garbage Packers	R	\$ 800,000	\$ 800,000	\$ 800,000	\$ -	\$ -
SUBTOTAL - Garbage Packers		\$ 800,000	\$ 800,000	\$ 800,000	\$ -	\$ -
Heavy Duty Equipment (Graders, Loaders, Backhoes etc)	R	\$ 200,000	\$ -	\$ 175,000	\$ 300,000	\$ -
Wheel Loader	R	\$ 200,000	\$ -	\$ 175,000	\$ 300,000	\$ -
Grader/Loader	R	\$ -	\$ -	\$ -	\$ -	\$ -
SUBTOTAL - Heavy Duty Equipment (Graders, Loaders, Backhoes etc)		\$ 200,000	\$ -	\$ 175,000	\$ 300,000	\$ -
Vehicle / Equipment Rebuilds	R	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000
Fuel System Upgrade	R	\$ 115,000	\$ -	\$ -	\$ -	\$ -
PROJECT COSTS		\$ 3,132,000	\$ 2,722,000	\$ 2,742,000	\$ 2,690,199	\$ 2,752,000

Please refer to the next page for a detailed list of vehicles/equipment that are planned to be replaced during 2017.

Fleet Planned Replacements

UNIT #	DESCRIPTION	REPLACEMENT VALUE	EXPECTED LIFE CYCLE
Light Duty Vehicles (Cars, Mini-Vans, 1/2 Ton Pickup Trucks)	10 Light Duty Vehicles to be replaced	\$ 250,000	7 Years (Note 1)
Medium Duty Vehicles (3/4 and 1 Ton Trucks & Vans)			
S550	2003 Ford F250 4x4 Pickup Truck	\$ 40,000	
S469	2004 Ford F250 Pickup	\$ 35,000	
S016	1997 GMC 3500 Flat Deck	\$ 50,000	
S056	2007 Ford F350 Crew Cab	\$ 50,000	
S007	2005 Chevrolet Express Van c/w Racking	\$ 55,000	
		<u>\$ 230,000</u>	8-10 Years
Heavy Duty Trucks (Equipped for Winter Control)			
S611	2005 International Tandem Multi-Function Truck	\$ 250,000	
S612	2005 International Tandem Multi-Function Truck	\$ 250,000	
S613	2005 International Tandem Multi-Function Truck	\$ 250,000	
S614	2005 International Tandem Multi-Function Truck	\$ 250,000	
		<u>\$ 1,000,000</u>	10 Years
Hybrid Vehicles			
S1924	2008 Toyota Prius	\$ 32,000	7 Years
Garbage Packers			
S833	2007 32 Yard, Dual stream Garbage Packer	\$ 400,000	
S834	2007 32 Yard, Dual stream Garbage Packer	\$ 400,000	
		<u>\$ 800,000</u>	10 Years
Specialty Equipment (Sweepers, Flushers, Vactors, etc)			
S254	2002 Trackless MT5	\$ 155,000	
S236	2002 Trackless MT5	\$ 155,000	
		<u>\$ 310,000</u>	12 Years
Heavy Duty Equipment (Graders, Loaders, Backhoes, etc)			
S409	1994 Volvo Loader	\$ 200,000	15 years
Zambonis			
R974	2003 Zamboni Model 520	\$ 95,000	12 Years
Other			
Vehicle/Equipment Rebuilds		\$ 100,000	Extends Life of Existing Units
Fuel System Upgrade		\$ 115,000	Added Cost to Existing Budget
		<u>\$ 3,132,000</u>	

Total Funds for Fleet Capital - 2017

Note 1 - A total of 10 light duty vehicles will be replaced during 2017. Vehicles assigned to operating departments are transferred to the "retired fleet pool (corporate fleet)". Fleet management determines actual replacements in the spring based on worst condition from the "retired fleet pool".

Fire

PROJECT DESCRIPTION

PROJECT TYPE

R (Renewal)
E (Expansion)
N (New)

	2017 REQUEST	2018 OUTLOOK	2019 OUTLOOK	2020 OUTLOOK	2021 OUTLOOK
Aerial Fire Truck	\$ 1,400,000				
Funding from Future Years (2018 - 2024)	\$ (1,196,673)	\$ 173,797	\$ 173,797	\$ 173,797	\$ 173,797
Aerial Fire Truck - Funding in Budget Year	\$ 203,327	\$ 173,797	\$ 173,797	\$ 173,797	\$ 173,797
Custom Pumper	\$ -	\$ -	\$ 663,000	\$ -	\$ 693,000
Emergency Response Vehicle	\$ -	\$ -	\$ -	\$ 308,000	\$ -
Support Unit	\$ 202,399	\$ -	\$ -	\$ 371,176	\$ -
Tanker Truck (x1)	\$ 306,750	\$ 313,652	\$ -	\$ -	\$ -
Communication & Technology	\$ 120,655	\$ 12,724	\$ 13,010	\$ 13,303	\$ 13,602
Personal Protective Equipment	\$ 370,321	\$ 617,107	\$ 375,396	\$ 375,396	\$ 375,396
Primary Firefighting Equipment	\$ 36,561	\$ 17,361	\$ 10,412	\$ 19,077	\$ -
Specialized Firefighting Equipment	\$ 41,023	\$ 172,016	\$ 97,175	\$ 98,697	\$ 130,839
PROJECT COSTS	\$ 2,477,709	\$ 1,132,860	\$ 1,158,993	\$ 1,185,649	\$ 1,212,838

PROJECT FINANCING

Capital Envelopes: Future Years

	\$ (1,196,673)	\$ 173,797	\$ 173,797	\$ 173,797	\$ 173,797
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CAPITAL ENVELOPE (Tax Levy)

	\$ 1,281,036	\$ 1,306,657	\$ 1,332,790	\$ 1,359,446	\$ 1,386,635
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Priority Setting:

Fire project priorities are based on a 10 year tangible capital asset plan using vehicle / equipment life cycles and current utilization strategies.

Emergency Services

PROJECT DESCRIPTION	PROJECT TYPE	2017 REQUEST	2018 OUTLOOK	2019 OUTLOOK	2020 OUTLOOK	2021 OUTLOOK
	R (Renewal)					
	E (Expansion)					
	N (New)					
EMS						
Medical Equipment - Battery Chargers	R			\$ 19,791		
Medical Equipment - Continuous Positive Airway Pressure Units (CPAP)	R		\$ 74,366			
Medical Equipment - Defibrillators	R					\$ 1,525,630
Medical Equipment - Personal Protective Equipment	R			\$ 213,806		
Medical Equipment - Stair Chairs Power x 25	R	\$ 254,400				
Technology - Automatic Vehicle Locators	R		\$ 193,052			
Technology - Kronos Workforce Telestaff	R	\$ 105,000				
Technology - Panasonic Toughbooks	R		\$ 207,440			
Vehicles - Ambulance x 3	R	\$ 465,679	\$ 476,157	\$ 486,871	\$ 497,825	\$ 497,825
Vehicles - Emergency Response Unit (ERV)	R		\$ 81,236	\$ 166,128	\$ 166,128	
Vehicles - Paramedic Response Unit (PRU) x 2	R	\$ 163,600	\$ 83,641	\$ 85,522	\$ 174,893	\$ 178,828
TOTAL - EMS		\$ 988,679	\$ 1,034,656	\$ 887,226	\$ 838,846	\$ 2,202,283
EMERGENCY MANAGEMENT						
Emergency Operation Centre Renewal	R	\$ 11,268	\$ 11,493	\$ 11,723	\$ 11,957	\$ 12,196
TOTAL - EMERGENCY MANAGEMENT		\$ 11,268	\$ 11,493	\$ 11,723	\$ 11,957	\$ 12,196
CLELC						
Previous Council Approvals (Internal Borrowing)						
Lionel E Lalonde Centre Improvements (2007 - 2021)	R	\$ 431,223	\$ 431,223	\$ 431,223	\$ 431,223	\$ 431,223
Equipment Upgrades	R	\$ 11,268	\$ 11,493	\$ 11,723	\$ 11,957	\$ 12,196
TOTAL - CLELC		\$ 442,491	\$ 442,716	\$ 442,946	\$ 443,180	\$ 443,419
PROJECT COSTS		\$ 1,442,438	\$ 1,488,865	\$ 1,341,895	\$ 1,293,983	\$ 2,657,898
PROJECT FINANCING						
Reserves: Capital		\$ (988,679)	\$ (1,034,656)	\$ (887,226)	\$ (838,846)	\$ (2,202,283)
CAPITAL ENVELOPE (Tax Levy)		\$ 453,759	\$ 454,209	\$ 454,669	\$ 455,137	\$ 455,615
CAPITAL ENVELOPES						
Emergency Management		\$ 11,268	\$ 11,493	\$ 11,723	\$ 11,957	\$ 12,196
CLELC		\$ 11,268	\$ 11,493	\$ 11,723	\$ 11,957	\$ 12,196
Lionel E Lalonde Centre Internal Borrowing		\$ 431,223	\$ 431,223	\$ 431,223	\$ 431,223	\$ 431,223
Total Capital Envelopes		\$ 453,759	\$ 454,209	\$ 454,669	\$ 455,137	\$ 455,615

1 - Emergency Medical Services (EMS) capital projects are funded from the Capital Financing Reserve Fund - Emergency Medical Services. The City of Greater Sudbury and Ministry of Health and Long Term Care each contribute 50% funding to this reserve fund which are used for capital projects.

2 - Year one, two and five of the five year Capital Budget includes an additional contribution from the Capital Financing Reserve Fund - Emergency Medical Services versus the contribution to reserves per the annual Operating Budget in order to meet lifecycle requirements.

Priority Setting:

EMS project priorities are based on a 10 year tangible capital asset plan using vehicle / equipment life cycles and utilization strategies.

Administrative Services Summary

CATEGORY DESCRIPTION <i>(For detailed project listing see attached)</i>	2017 REQUEST	2018 OUTLOOK	2019 OUTLOOK	2020 OUTLOOK	2021 OUTLOOK
Information Technology					
Software, Applications and Licences	\$ 40,000	\$ 200,000	\$ 200,000	\$ 240,000	\$ 200,000
Network and Wireless Infrastructure	\$ 50,000	\$ 940,000	\$ 80,000	\$ 80,000	\$ 140,000
Servers	\$ 400,000	\$ -	\$ 25,000	\$ -	\$ -
Total Information Technology	\$ 490,000	\$ 1,140,000	\$ 305,000	\$ 320,000	\$ 340,000
Administration					
Telephone Upgrades	\$ 46,996	\$ 38,670	\$ 96,543	\$ 89,474	\$ 50,000
Committee Rooms Electronic Equipment and Refurbishments	\$ -	\$ 30,000	\$ 50,000	\$ 50,000	\$ 67,464
By-law Enforcement Equipment	\$ 75,000	\$ 25,000	\$ -	\$ -	\$ -
Print Shop	\$ 50,000	\$ 50,000	\$ -	\$ 10,000	\$ 35,000
Total Administration	\$ 171,996	\$ 143,670	\$ 146,543	\$ 149,474	\$ 152,464
Corporate Infrastructure	\$ 108,499	\$ 110,669	\$ 112,882	\$ 115,139	\$ 117,442
ERP Peoplesoft Projects	\$ 104,040	\$ 106,121	\$ 108,243	\$ 110,408	\$ 112,616
PROJECT COSTS	\$ 874,535	\$ 1,500,460	\$ 672,668	\$ 695,021	\$ 722,522
PROJECT FINANCING					
Reserves: Capital - IT	\$ (253,370)	\$ (898,638)	\$ (58,810)	\$ (68,886)	\$ (83,864)
Reserves: Capital - Corporate Infrastructure	\$ (31,143)	\$ -	\$ -	\$ -	\$ -
CAPITAL ENVELOPE (Tax Levy)	\$ 590,022	\$ 601,822	\$ 613,858	\$ 626,135	\$ 638,658

Priority Setting:

Priority is based on lifecycle replacement of equipment and software.

Administrative Services Detail

PROJECT DESCRIPTION	PROJECT TYPE					
	R (Renewal)	2017 REQUEST	2018 OUTLOOK	2019 OUTLOOK	2020 OUTLOOK	2021 OUTLOOK
Information Technology						
Servers						
VMWare Cluster Servers and Licensing (Central Site)	R	\$ 300,000				
VMware Cluster Servers and Licensing (Backup Site - LEL Centre)	R	\$ 100,000				
Library Servers	R			\$ 25,000		
SUBTOTAL - Servers		\$ 400,000	\$ -	\$ 25,000	\$ -	\$ -
Network and Wireless Infrastructure						
Network/Wireless / Security Infrastructure	R	\$ 20,000	\$ 20,000	\$ 20,000	\$ 20,000	\$ 20,000
Mobile / Remote Desktop Infrastructure	R	\$ 20,000	\$ 20,000	\$ 20,000	\$ 20,000	\$ 20,000
Network OS (Operating System) / Mail Licences	R	\$ 10,000	\$ 10,000	\$ 10,000	\$ 10,000	\$ 10,000
SAN (Storage Area Network) Replacement	R		\$ 800,000			
Server Room Air Conditioner	R		\$ 40,000			
SAN (Storage Area Network) Storage Upgrades	R		\$ 30,000	\$ 30,000	\$ 30,000	\$ 30,000
Server Room UPS (Uninterruptible Power Supply)	R		\$ 20,000			\$ 60,000
SUBTOTAL - Network and Wireless Infrastructure		\$ 50,000	\$ 940,000	\$ 80,000	\$ 80,000	\$ 140,000
Software, Applications and Licences						
Database Licences	R	\$ 40,000			\$ 40,000	
Business Applications Implementation	R		\$ 200,000	\$ 200,000	\$ 200,000	\$ 200,000
SUBTOTAL - Software, Applications and Licences		\$ 40,000	\$ 200,000	\$ 200,000	\$ 240,000	\$ 200,000
TOTAL - Information Technology		\$ 490,000	\$ 1,140,000	\$ 305,000	\$ 320,000	\$ 340,000

Administrative Services Detail

PROJECT DESCRIPTION	PROJECT TYPE					
	R (Renewal)	2017 REQUEST	2018 OUTLOOK	2019 OUTLOOK	2020 OUTLOOK	2021 OUTLOOK
Administration						
Committee Rooms Electronic Equipment and Refurbishments	R	\$ -	\$ 30,000	\$ 50,000	\$ 50,000	\$ 67,464
Committee Rooms Electronic Equipment and Refurbishments						
SUBTOTAL - Committee Rooms Electronic Equipment and Refurbishments		\$ -	\$ 30,000	\$ 50,000	\$ 50,000	\$ 67,464
Telephone Upgrades						
Telephone Upgrades	R	\$ 46,996 ²	\$ 38,670	\$ 96,543	\$ 89,474	\$ 50,000
SUBTOTAL - Telephone Upgrades		\$ 46,996	\$ 38,670	\$ 96,543	\$ 89,474	\$ 50,000
By-law Enforcement Equipment						
By-law Enforcement Equipment	R	\$ 75,000	\$ 25,000	\$ -	\$ -	\$ -
SUBTOTAL - By-law Enforcement Equipment		\$ 75,000	\$ 25,000	\$ -	\$ -	\$ -
Print Shop						
Central Printer / Copier	R					\$ 35,000
Table Top Folder Inserter	R	\$ 50,000	\$ 50,000			
Central Semi Automatic Paper Cutter	R				\$ 10,000	
SUBTOTAL - Print Shop		\$ 50,000	\$ 50,000	\$ -	\$ 10,000	\$ 35,000
TOTAL - Administration		\$ 171,996	\$ 143,670	\$ 146,543	\$ 149,474	\$ 152,464
Corporate Infrastructure						
Corporate Infrastructure	R	\$ 81,380	\$ 83,008	\$ 84,668	\$ 86,361	\$ 88,088
Ergonomic Furniture and Equipment Upgrades	R	\$ 27,119	\$ 27,661	\$ 28,214	\$ 28,778	\$ 29,354
TOTAL - Corporate Infrastructure		\$ 108,499	\$ 110,669	\$ 112,882	\$ 115,139	\$ 117,442
ERP PeopleSoft Projects						
Various ERP Projects	R	\$ 104,040	\$ 106,121	\$ 108,243	\$ 110,408	\$ 112,616
TOTAL - ERP PeopleSoft Projects		\$ 104,040	\$ 106,121	\$ 108,243	\$ 110,408	\$ 112,616
PROJECT COSTS		\$ 874,535	\$ 1,500,460	\$ 672,668	\$ 695,021	\$ 722,522

1 - Capital Financing Reserve Fund - Information Technology
VMWare Cluster Servers and Licensing (Central Site)

2 - Capital Financing Reserve Fund - Corporate Infrastructure
Telephone Upgrades

Police

PROJECT DESCRIPTION	PROJECT TYPE	OUTLOOK				
		2017 REQUEST	2018 OUTLOOK	2019 OUTLOOK	2020 OUTLOOK	2021 OUTLOOK
	R (Renewal)					
	E (Expansion)					
	N (New)					
Equipment - Fleet	R	\$ 1,040,400 ¹	\$ 756,500	\$ 846,900	\$ 1,153,800	\$ 1,333,700
Automation	R	\$ 300,000 ²	\$ 188,393	\$ 188,392	\$ 208,393	\$ 261,890
Communications	R	\$ 100,000 ²	\$ 150,000	\$ 150,000	\$ 170,000	\$ 70,000
Police Equipment and Supplies	R	\$ 116,071 ²	\$ 140,000	\$ 140,000	\$ 125,387	\$ 171,889
Leasehold Improvements	R	\$ 62,920 ²	\$ 112,678	\$ 125,000	\$ 112,180	\$ 125,000
Security	R	\$ 25,000 ²	\$ 25,000	\$ 25,000	\$ 25,000	\$ 25,000
Police Headquarters and LEL - Additions/Renovations	R/E	\$ 7,854,854	\$ 5,234,229	\$ 4,986,240		
Funding in Future Years (External Debt Financing in 2017)		\$ (4,610,974)				
Funding in Future Years (External Debt Financing in 2018)		\$ (5,234,229)				
Funding in Future Years (External Debt Financing in 2019)				\$ (4,986,240)		
Funding in Current Years		\$ 3,243,880 ³	\$ -	\$ -	\$ -	\$ -
PROJECT COSTS		\$ 9,499,245	\$ 6,606,800	\$ 6,461,532	\$ 1,794,760	\$ 1,987,479
PROJECT FINANCING						
Reserves: Capital		\$ (4,888,271)	\$ (1,372,571)	\$ (1,475,292)	\$ (1,794,760)	\$ (1,987,479)
External Debt Financing		\$ (4,610,974)	\$ (5,234,229)	\$ (4,986,240)		
Capital Envelope (Tax Levy)		\$ -	\$ -	\$ -	\$ -	\$ -

- 1) Equipment & Vehicle Replacement Reserve Fund - Police
- 2) Capital Financing Reserve Fund - Police
- 3) Capital Financing Reserve Fund - Police Committed (funds previously approved)

Communication Infrastructure (Public Safety)

PROJECT DESCRIPTION	PROJECT TYPE R (Renewal) N (New)	2017 REQUEST	2018 OUTLOOK	2019 OUTLOOK	2020 OUTLOOK	2021 OUTLOOK
Previously Approved Capital						
Communication Infrastructure Internal Financing - 2014 to 2021	R	\$ 950,640 ¹	\$ 950,640	\$ 950,640	\$ 950,640	\$ 950,640
PROJECT COSTS		\$ 950,640	\$ 950,640	\$ 950,640	\$ 950,640	\$ 950,640
PROJECT FINANCING						
Reserves: Capital		\$ (950,640)	\$ (950,640)	\$ (950,640)	\$ (950,640)	\$ (950,640)
CAPITAL ENVELOPE (Tax Levy)		\$ -	\$ -	\$ -	\$ -	\$ -
Annual Contribution to Communication Infrastructure Reserve Fund (Included in Operating Budget)		\$ 1,001,073	\$ 1,021,094	\$ 1,041,516	\$ 1,062,346	\$ 1,083,593

Notes:

1) Communication Infrastructure Reserve Fund

