

CAPITAL BUDGET



Maley Drive Extension

INVESTING IN SERVICE SUSTAINABILITY: LINKING ASSET MANAGEMENT POLICY AND THE CAPITAL BUDGET

The capital budget represents investments in assets owned by the City. These assets include roads, buildings, water and wastewater pipes, equipment and vehicles used by staff to provide services to residents, and facilities used by residents to enjoy the services provided by the municipality.

As in all household budgets, there are competing demands for capital investment. Is it best to replace the roof or the furnace before the winter months set in? Should a new, more efficient vehicle be considered before the old one starts to cost money? Can the family afford more than one of these investments and if so, how will they pay for them?

Capital budgeting means making choices, setting priorities and developing a plan to ensure assets are in acceptable condition to maintain service delivery at desired levels in the future. This involves an assessment of a variety of risks and of the capacity of assets to produce the outputs necessary to deliver services to the community.

The City's Enterprise Asset Management Policy guides how these choices are made. The policy requires that detailed asset management plans and strategies be created. These plans will provide information that is critical to understanding which investments should be made and when. Once priorities are clear, a long-term perspective is taken to decide the best ways to finance the required capital investments. This long-term perspective drives the contents of annual capital budgets and the forecasted capital plans over a five-year period.

Council has an important role in asset management planning. It is the ultimate authority in determining levels of service expectations. Council approves asset management plans on an enterprise-wide basis and approves asset investment and service delivery requirements for capital and operations through the annual budget process.

The City's policy is based on a number of principles to guide these choices, these principles favour asset investments which:

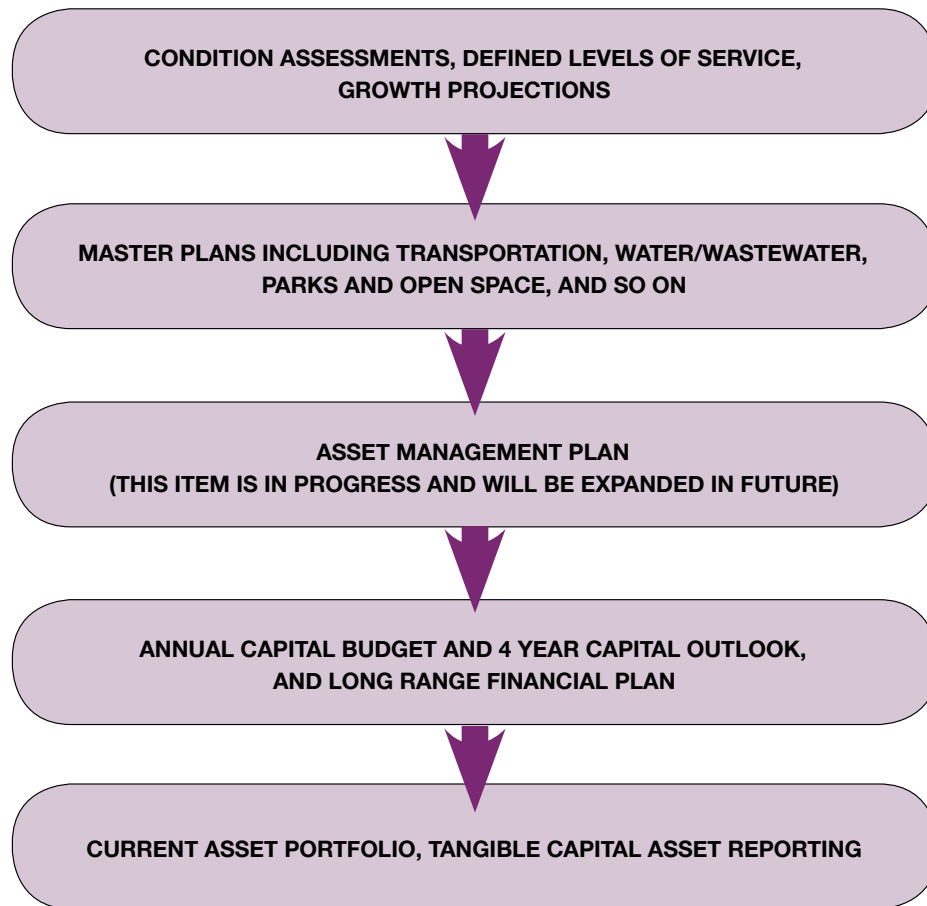
- Minimize the cost of ownership over an asset's life cycle.
- Reduce reactive maintenance costs by planning for asset replacement at the optimal time.
- Connect capital investment plans to long-term financial plans and consider the City's ability to pay for investments now and into the future.
- Monitor performance of assets, noting changes in the asset's ability to provide service.
- Perform maintenance work at the right time to prolong the life of assets.
- Coordinate the maintenance and replacement of interrelated assets (i.e. roads, sidewalks and the pipes and services that are buried beneath them).
- Reduce the overall asset footprint, or size of the City's assets holdings to only those required to provide service.

Municipalities have a number of challenges the average household will not need to consider in their capital investment planning. The City has to favour asset investments which also:

- Deliver defined levels of service that meet legislative requirements like accessibility and environmental requirements.
- Minimize potential liabilities and loss to the public, businesses or visitors to the community.
- Align with infrastructure and land use planning principles.
- Promote innovation and economic competitiveness in the community.
- Maintain assets to protect the health and safety of the public and employees.

Next Steps in Asset Management Policy and Planning

The principles outlined above are a part of an asset management policy that was presented to Council in April 2018. The next steps in the process are directed at providing more accurate information and context for decision-making. This means that our policy statement is translated into a robust asset management plan that reflects both the service levels anticipated by ownership of a given asset and its capacity to respond, referred to as asset levels of service. 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 of data related to condition and service level performance.



The Asset Management Policy describes how this information flows and is reported to Council and the community in order to provide this context. There are key elements already in place, while others are still evolving or will begin in the future. By the end of 2019, the City will produce its first State of the Infrastructure report. Although detailed asset management plans for all asset classes will take several years, this report will provide an enterprise-wide snapshot of asset condition and the risks posed to service delivery for each asset class. As asset management plans and strategies become more detailed so will the City's understanding and confidence that the asset investments being made truly represent the highest order priorities and value for money. While this policy and planning approach is legislatively required by O. Reg. 588 / 17: Asset Management Planning for Municipal Infrastructure by 2024, the City will meet this requirement ahead of the legislated milestones and is already benefitting from this planning approach.

This planning framework begins with the City's current asset portfolio, with an estimated value of over \$7 billion in replacement costs. 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 shown in the unfunded capital needs in previous capital budget documents and previously stated infrastructure renewal requirements. The City will continue to work on items relating to planning for capital assets that include:

- **Condition Assessments:** Providing an indication of the condition of the asset. The condition of an asset determines whether or not it can provide the level of service required. While some assets can be examined visually, others, such as water and wastewater 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 take into consideration the requirements of new people moving to 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 more than 20 years in scope and will describe investment, construction and renewal plans for assets to maintain the target level of service.
- **City-Wide 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 they don't come at the same time.
- **Long-Term Financial Plan:** In addition to the consolidated City-Wide Asset Management Plan, the City will develop 20 to 50 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 completed during the second quarter of 2017, provides guidance for making major decisions. Staff will be able to understand the impact of major financial investments and the capacity in future years and better determine the answers to significant planning and financial questions.

Each project identified in the capital budget means an undertaking for which capital expenditures are made or are to be made, including expenditures to acquire, improve, repair, replace, construct or extend life of land, buildings, structures, machinery and equipment, software, infrastructure, linear assets, and studies.

The capital budget includes the cost of each capital project and the source of funding, including annual contribution to capital, reserves – capital, reserves – obligatory, government grants, debt financing, and third party recoveries. The annual contribution to capital amount is the portion from the annual property tax levy which is shown as Contribution to Capital within the operating budget. For water and wastewater investments, annual contributions to capital are a portion of annual water/wastewater user fees.

CAPITAL PRIORITIZATION PROCESS

The objective of the capital budgeting process is to recommend a plan that addresses the City's highest priority needs based on a rational, enterprise-wide review of risk, service priorities, spending choices and financing options. Capital budget priorities are identified based on an enterprise-wide understanding of service priorities and reflect our best available, and still evolving, data about asset condition, service performance, strategic objectives and financing choices. The end result is a capital plan that is reliable (i.e. we deliver on the service promises inherent in the recommended projects) and executable (i.e. we have the resources to deliver the projects on time and on budget).

In order to achieve this principle an enterprise-wide tool was created that included the following criteria in line with the principles in the Enterprise Asset Management Policy:

1. Strategic Priority (including link to strategic plan, integration and qualitative return on investment)
2. Leveraging Funding Opportunities (including estimated certainty of funding)
3. Risk Management (including legislative requirements and health and safety)
4. Asset Renewal/Restoration (including life cycle costing and environmental return on investment)

A multi-disciplinary team was created to review capital budget project proposals and recommend relative priority rankings for all projects to the Executive Leadership Team (ELT). The members of the team took an enterprise-wide view of the recommended projects. The team presented the results to ELT, and with ELT's guidance a finalized listing with a financing plan now forms the basis of the 2019 Capital Budget.

Several areas did not use the tool for preparation of the 2019 Capital Budget due to their current funding model.

These are Fleet, Water, Wastewater, Paramedic Services, Parking, Parks Equipment and the outside boards. It is possible that some of these areas will be included in future enterprise-wide capital prioritization. For example, recently transitioned housing assets under the care of the Greater Sudbury Housing Corporation will be integrated into this approach in subsequent budgets. Some of these areas must be kept separate but staff is developing a method to report on the state of all asset classes from one enterprise viewpoint in line with our principles and the need to make choices across areas and regulations in the best long-term interest of the community.

LONG-TERM FINANCIAL PLAN

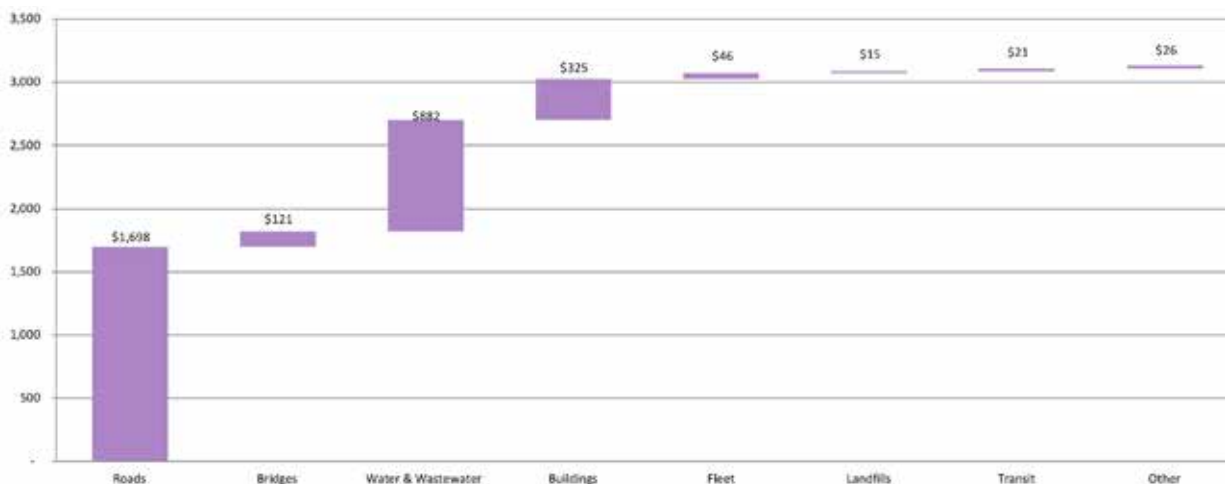
The Long-Term Financial Plan, presented in 2017, covers the years 2018 to 2027 and contains information about infrastructure investment requirements and financing recommendations. It noted that the then recently completed Enterprise Asset Management Plan quantified the infrastructure renewal requirement of \$3.1 billion during the duration of the Long-Term Financial Plan. This is in contrast to the \$1.3 billion projected to be spent on capital during that time. The plan included a number of strategies designed to assist in decreasing the infrastructure renewal requirement thereby decreasing the gap in capital investment required. The City has been working at these strategies and updating Council on progress as follows:

1. Increase the debt limit to 10 % of net revenues to support an increase in allowable debt as the expanded use of debt may represent a strategy of interest to the City.
 - The increase to the debt limit was approved in 2017.
 - The use of debt was approved in 2018 for reconstruction on Lorne Street, improvements to Municipal Road 35 and the replacement of the Sudbury Community Arena.
 - City obtained a AA stable credit rating during 2018.
 - Debt is proposed to be used in 2019 for refurbishment of a number of bridges in the Capital Budget.
2. Consider the adoption of a five-year capital levy that would be used exclusively for capital purposes (including debt or reserve contributions). A multiple year 2 % capital levy would provide upwards of \$80 million over five years and over \$300 million over 10 years. Strategies for use of the levy included the funding of debt servicing costs.
 - For 2019, staff is recommending a 1.5 % special capital levy to be used on the roads infrastructure renewal requirement consistent with recommendations of prior years.

Given the magnitude of the City's infrastructure renewal requirement, the current low interest rate environment and the relatively low level of its indebtedness, the strategies above will contribute toward the long-term financial sustainability of the City.

Infrastructure Requirement Over the Next Ten Years (in millions)

(Per 2016 Long-Term Financial Plan)



2019 CAPITAL BUDGET

The 2019 Capital Budget recommends capital expenditures of \$116.6 million this year. The 2019 Capital Budget addresses the City's most critical capital needs to support strategic business plans and address aging infrastructure and is summarized by department/division and detailed by specific capital projects on the following pages within this tab. 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.

The table below summarizes the overall capital budget by funding sources:

Funding Source	2019	2020	2021	2022	2023	Total	2018 Approved Amounts
Annual Contribution to Capital	\$37,988,385	\$33,474,330	\$10,374,176	\$6,863,741	\$5,174,747	\$93,875,379	\$37,777,276
User Fees	\$33,431,663	\$3,593,315	\$4,943,315	\$2,593,315	\$2,593,315	\$47,154,923	\$31,135,330
Reserves – Capital	\$12,751,311	\$1,826,640	\$1,280,640	\$330,000	\$330,000	\$16,518,591	\$13,904,612
Reserves – Obligatory	\$1,370,738	\$3,103,986	\$2,106,013	\$1,075,000	\$1,075,000	\$8,730,737	\$1,175,000
Government Grants	\$22,124,505	\$19,835,926	\$1,473,976	\$1,464,486	\$1,269,576	\$46,168,469	\$35,966,276
Debt Financing	\$6,900,000	\$2,125,000	\$0	\$0	\$0	\$9,025,000	\$130,884,239
Third Party Recoveries	\$2,082,717	\$375,000	\$0	\$0	\$0	\$2,457,717	\$12,514,000
Total Funding = Total Capital Budget Expenditures	\$116,649,319	\$64,334,197	\$20,178,120	\$12,326,542	\$10,442,638	\$223,930,815	\$263,356,733

*Presentation of the 2019 Capital Budget has changed from prior years. The 2019 (and future) capital budgets will be based on the estimated cash flow spending of individual projects in the year expected to be spent, whereas in prior years, the practice was to approve the overall project cost in the first year with estimated funding identified in the same year, as opposed to spread the funding based on cash flow spending. This means that in approving the projects listed in the 2019 Capital Budget, all future cash flows (i.e. in 2020 and beyond) are also approved.



HIGHLIGHTS OF 2019 INVESTMENT RECOMMENDATIONS

Roads and Drains

The Roads and Drains 2019 Capital Budget is approximately \$48.9 million and represents almost 38 % of the capital budget. This is lower than the 2018 budget of \$103.8 million as the 2018 budget included the full estimated spending for Municipal Road 35 of \$33.2 million through use of debt financing and Lorne Street of \$24.9 million through two thirds proposed grant funding. These amounts show the City is continuing to spend at record levels to improve roads in our community.

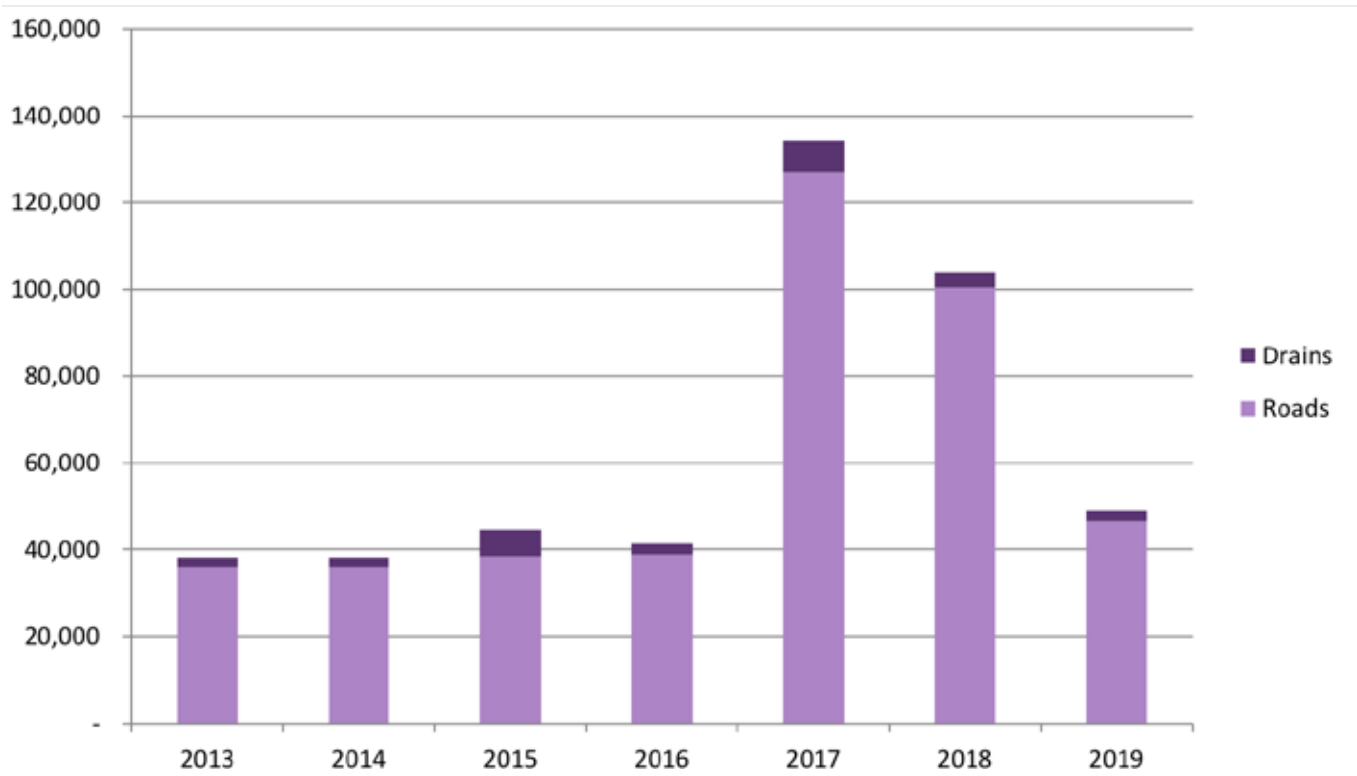
An increase in Ontario Community Infrastructure Funding (OCIF) from \$6.0 million in 2018, to \$9.2 million (not yet confirmed) in 2019, will be used toward road improvements, including various arterial, collector and local roads such as York Street, Attlee Avenue, Dean Avenue, and Main Street from Municipal Road 15 to the railway tracks.

Federal Gas Tax funds of \$8.8 million are being used to fund various bridge and local road improvements.

A few of the significant projects within the Roads area include York Street, Attlee Avenue, Dean Avenue, CKSO Road, O’Neil Drive East, Douglas Street Bridge, CNR Overpass on Falconbridge Road and Allan Street Bridge. As well as previous Council approvals that includes funding for Maley Drive Extension, Municipal Road 35 and Lorne Street.

Projects within the Drainage area are the McNaughton Terrace Treatment Facility as well as previous Council approved funds toward the Mountain Street Storm Outlet that will be funded in the 2019 Capital Budget.

Roads and Drains Budget History (\$000's)



Water and Wastewater

The capital budget for Water and Wastewater Services is approximately \$40 million in 2019, compared to \$35.8 million in 2018. This increase is mainly the result of higher contribution to capital from operating (from water/wastewater user fees), contributions from reserve funds and recovery from a third party. The increase to the contribution to capital from operating includes a higher allocation due to Council direction for a water/wastewater user fee increase of 7.4 % in 2019 (similar to 2018), in line with the long-term financial plan for this division.

A few of the significant projects in Water includes various watermain replacements of \$6.7 million, well building repairs and upgrades of \$3.3 million, watermain upgrades relating to the Coniston Industrial Park of \$2.0 million, as well as various watermain rehabilitation of \$1.6 million. Some of the specific watermain locations include Dean Avenue, Jane Street, Tudor Court, Municipal Road 24 (trunk watermain), O'Neil Drive East and Allan Street. In addition, there is funding allocated toward the automatic meter reading (water meter) replacement project.

Some of the significant projects in Wastewater include various lift station upgrades of \$5.5 million, sanitary sewer replacements of \$2.0 million, sanitary sewer system rehabilitation and repair of \$1.6 million, as well as wastewater treatment upgrades of \$2.0 million, at the Sudbury Wastewater Treatment Plant and \$1.2 million in the Copper Cliff wastewater system.

Leisure Services

The capital budget includes an investment of \$4.3 million in various leisure facilities and equipment. A few of these projects include building upgrades at the Howard Armstrong Recreation Centre of \$1.5 million and at the Dowling Leisure Centre of \$1.0 million, and investments at Terry Fox Sports Complex of \$0.6 million for artificial turf and parking lot improvements.

Children and Citizen Services

There are significant investments within Citizen Services of \$1.5 million for various building upgrades to museums, cemeteries as well as the previous council funding commitment for the South End Library.

Transit Services

The capital budget for Transit is approximately \$1.2 million in 2019 and includes various transit related studies for Public Transit Infrastructure Fund (PTIF) Phase 2 as well as previously committed funding toward the projects identified in the 2017 Capital Budget from PTIF Phase 1 funding program.

Phase 1 of the PTIF from the 2017 Capital Budget funded 50 % of project costs and continues to be 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 funded 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 contribution to capital. The repayment of these PTIF Phase 1 projects is shown in the 2019 Capital Budget from Provincial Gas Taxes of \$0.7 million.

Fire Services

The capital budget for Fire is \$1.3 million in 2019, which includes the purchase of a pumper fire truck as well as the previous funding commitment for the aerial fire truck that was approved in the 2017 Budget.

Facilities

The capital budget for Facilities is \$4.5 million in 2019, which includes various projects at Tom Davies Square, fire halls, transit/fleet garage, as well as two building demolitions. It also includes the previous funding commitments for the Tom Davies Square Courtyard renovations. 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. There is currently insufficient funding for the repair and maintenance of these facilities.

Information Technology

The 2019 Capital Budget includes investments in key information technology projects for a total of \$2.0 million. This includes the Customer Relationship Management (CRM) system, the Land and Property Management System (LPMS), and Meeting Management Solution. Each of these capital projects will provide direct benefits to the community through their interactions with the City for various requests and information.



Police Services

Greater Sudbury Police Services Board is reviewing options for a new building. The options and recommendations will be presented in a future budget year and presented to City Council once recommended by the Board. This significant capital project is recommended to be funded by transfers from the Police Capital Financing Reserve fund, which includes previously approved funding, with the remaining \$55 million (estimated) coming from debt financing of \$2.9 million per year over 30 years.



ANNUAL INCREASE TO OPERATING BUDGET

The capital budget includes new or expanded capital assets and infrastructure that will have an impact on future operating budgets when these assets are completed and placed into service. Increases and decreases in operating costs are due to higher staffing costs, materials, contract services and utilities associated with maintaining the operation and use of these new and expanded assets. These new and expanded assets provide for improved technology solutions such as the CRM and the LPMS (Phase 1). The table below shows a summary of the impact on the operating budget for increased expenses as shown within the project details for the respective capital projects below:

Capital Budget Area and Project		Incremental Operating Costs	Incremental Salaries and Benefits	Total
Roads	Annual Recurring Road Programs and Projects	\$750	\$0	\$750
Roads	Arterial/Collector Roads Rehabilitation and Resurfacing	\$18,986	\$0	\$18,986
Roads	Levack Equipment Storage Facility	(\$18,000)	\$0	(\$18,000)
Roads	Loader Hydraulic Crusher Attachment	(\$20,953)	\$0	(\$20,953)
Roads	Lorne Street (MR55)	\$2,987	\$0	\$2,987
Roads	New Sidewalk Construction and Repair	\$1,800	\$0	\$1,800
Roads	Municipal Road 35	\$35,387	\$0	\$35,387
Roads	Traffic Signal System Renewal	\$39,000	\$0	\$39,000
Environmental Services	Sudbury Landfill - Leachate Treatment System	\$35,000	\$0	\$35,000
Facilities	Red Deer Lake Fire Station Demolition	(\$900)	\$0	(\$900)
Communications and Community Engagement (2 FTEs)	Customer Relationship Management System	\$0	\$160,000	\$160,000
Information Technology (1 FTE)	Customer Relationship Management System	\$100,000	\$80,000	\$180,000
Information Technology (1 FTE)	Land and Property Management System - Phase 1	\$200,000	\$105,400	\$305,400
Information Technology	Meeting Management Solution	\$62,000	\$0	\$62,000
Total		\$456,057	\$345,400	\$801,457

FINANCING PLAN

Government Grants

The 2019 Capital Budget includes approximately \$22.1 million in federal and provincial grants. This amount is mainly from ongoing grants of \$19.7 million, which includes: \$9.8 million from Federal Gas Tax; \$0.7 million from Provincial Gas Tax; as well as \$9.2 million from Ontario Community Infrastructure Funding (not yet confirmed). The amount of Provincial Gas Tax funds used in the capital budget varies year-to-year based on the Transit long-term financial plan. In 2019, it continues to represent the financing repayment for the PTIF Phase 1 related capital projects approved in the 2017 Capital Budget.

One-time funding opportunities of approximately \$2.4 million from senior levels of government for PTIF Phase 2 and Northern Ontario Heritage Fund Corporation (NOHFC) are summarized in the chart below. This funding has been announced but no formal funding agreement has been signed. If the government grant funding is not approved, a future report will be presented to Council for direction on the projects and any other funding sources.

2019 Grants	Gas Tax	PTIF	OCIF	NOHFC	Total
Federal Grants					
Bridges and Culverts Replacement and Rehabilitation	\$7,000,000	\$0	\$0	\$0	\$7,000,000
Local Roads Rehabilitation and Resurfacing	\$1,840,484	\$0	\$0	\$0	\$1,840,484
Traffic Signal System Renewal	\$0	\$910,000	\$0	\$0	\$910,000
St. Joseph's Parking Lot Redevelopment Phase 2	\$0	\$130,000	\$0	\$0	\$130,000
Various Transit Related Studies for PTIF Phase 2	\$0	\$250,000	\$0	\$0	\$250,000
Sanitary Sewer System Rehabilitation and Repair	\$960,000	\$0	\$0	\$0	\$960,000
Total Federal Grants	\$9,800,484	\$1,290,000	\$0	\$0	\$11,090,484
Provincial Grants					
Arterial/Collector Roads Rehabilitation and Resurfacing	\$0	\$0	\$5,500,000	\$0	\$5,500,000
Road and Water/Wastewater Improvements	\$0	\$0	\$3,685,917	\$0	\$3,685,917
Traffic Signal System Renewal	\$0	\$418,600	\$0	\$0	\$418,600
St. Joseph's Parking Lot Redevelopment Phase 2	\$0	\$59,800	\$0	\$0	\$59,800
Various Transit Related Studies for PTIF Phase 2	\$0	\$115,000	\$0	\$0	\$115,000
Various PTIF Phase 1 Projects	\$747,626	\$0	\$0	\$0	\$747,626
Coniston Industrial Park Watermain Upgrades	\$0	\$0	\$0	\$507,078	\$507,078
Total Provincial Grants	\$747,626	\$593,400	\$9,185,917	\$507,078	\$11,034,021
Total Grants	\$10,548,110	\$1,883,400	\$9,185,917	\$507,078	\$22,124,505

This is a significant decrease from the 2018 Capital Budget, which included \$17.6 million of one-time capital funding for the Lorne Street/Municipal Road 55 Project as well as the Elgin Greenway Project. As of late 2018, government grants for these projects had not been secured. These projects are on hold until government grant funding is approved, otherwise the projects will be reviewed in a future budget year deliberation for funding sources.

There are a number of ongoing capital projects approved by Council in prior years with government grants, including the Maley Drive Extension and various projects associated with the Clean Water and Wastewater Fund (CWWF) and PTIF Phase 1. The majority of these projects are expected to be completed in 2019 with the exception of the Maley Drive Extension, which is planned for completion by the end of 2022.

Special Capital Levy of 1.5 %

The City's first Long-Term Financial Plan from 2002 recommended an annual increase in capital funding of 2.27 % from each previous year's property tax levy to address infrastructure renewal requirements. As mentioned in the Long-Term Financial Plan Audit by the Auditor General's Office in 2017, previous Councils 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 and further reductions to capital in 2015.

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 \$3.9 million investment into our infrastructure. If approved, it is recommended that this amount be used to fund specific road capital projects during 2019 such as surface treatment and large asphalt patching which has been a success in prior years. The capital levy is meant to address the infrastructure renewal requirement, including replacement of existing capital assets.

Capital Project/Program	Scope of Work	Objective/Accomplishment
Surface Treatment (approximately \$1.35 million)	Rehabilitate approximately 10 km of surface treated roads.	Complete required rehabilitation on surface treated roads that require rehabilitation sooner than base budget proposal.
Large Asphalt Patches (approximately \$2.55 million)	Single grind and single overlay of approximately 48,000 square metres of asphalt (at assumed lane width of 3.5 m equivalent to approximately 13.7 lane km).	Large asphalt patches are maintenance repairs completed to extend service life of road and extend time to rehabilitation.

If Council approves an additional capital levy for 2019, staff will present a report identifying specific Road capital projects with a risk based enterprise-wide approach.

Debt Financing

The total external debt held by the City is among the lowest as a percentage of “own source” (property taxes and user fees) revenues 20.7 % compared to an average of 41.9 % amongst our comparator municipalities, according to the 2017 BMA Study.

The use of debt financing has been considered and incorporated into the 2019 Capital Budget for bridges and culverts due to continuous low interest rates. The amounts below are in addition to the Council approvals in prior budgets including \$90 million for the Kingsway Entertainment District and Arena/Event Centre (2018 Budget), \$31 million for Municipal Road 35 from Highway 144 to Notre Dame East (2018 Budget) and \$7.7 million for Lorne Street (Municipal Road 55) from Elm Street to Power Street (2018 Budget for the City’s share as estimated two thirds government grants not yet approved).

Projects	Term	Assumed Interest Rate	Total Debt Financing Amount		Total Debt Financing	Total with Interest
			2019	2020		
Bridges and Culverts Replacement and Rehabilitation	25 years	3.80%	\$6,900,000	\$0	\$6,900,000	\$10,809,875
McNaughton Terrace Treatment Facility	30 years	4.00%	\$0	\$2,125,000	\$2,125,000	\$3,686,670
Total			\$6,900,000	\$2,125,000	\$9,025,000	\$14,496,545

Please refer to the Budget Overview tab for additional information on Debt Financing.

Water/Wastewater Capital Budget

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



2019 CAPITAL PROJECT FUNDING SUMMARY BY YEAR

2019 Capital Project Funding Summary by Year

Recommended Funding	2019	2020	2021	2022	2023	Beyond 2024	Total
Annual Contribution to Capital	37,988,385	33,474,330	10,374,176	6,863,741	5,174,747	56,068,361	149,943,740
User Fees	33,431,663	3,593,315	4,943,315	2,593,315	2,593,315	1,926,136	49,081,059
Capital Reserves	12,751,311	1,826,640	1,280,640	330,000	330,000	-	16,518,591
Obligatory Reserves	1,145,738	2,878,986	1,881,013	850,000	850,000	-	7,605,737
Development Charges	225,000	225,000	225,000	225,000	225,000	2,240,000	3,365,000
Federal Grant	11,090,484	9,695,000	497,500	491,000	357,500	-	22,131,484
Provincial Grant	11,034,021	10,140,926	976,476	973,486	912,076	-	24,036,985
Recoveries	2,082,717	375,000	-	-	-	-	2,457,717
Debt	6,900,000	2,125,000	-	-	-	-	9,025,000
Total	116,649,319	64,334,197	20,178,120	12,326,542	10,442,638	60,234,497	284,165,313

Department	2019	2020	2021	2022	2023	Beyond 2024	Total
GROWTH & INFRASTRUCTURE							
INFRASTRUCTURE CAPITAL PLANNING							
ROADS							
Annual Contribution to Capital	18,762,016	23,381,225	6,473,048	4,947,711	3,693,218	47,851,590	105,108,808
Capital Reserves	753,220	-	-	-	-	-	753,220
Obligatory Reserves	850,000	850,000	850,000	850,000	850,000	-	4,250,000
Federal Grant	9,750,484	9,445,000	497,500	491,000	357,500	-	20,541,484
Provincial Grant	9,604,517	9,278,300	228,850	225,860	164,450	-	19,501,977
Debt	6,900,000	-	-	-	-	-	6,900,000
	46,620,237	42,954,525	8,049,398	6,514,571	5,065,168	47,851,590	157,055,489
DRAINS							
Annual Contribution to Capital	2,248,192	1,021,071	250,000	250,000	250,000	250,000	4,269,263
Obligatory Reserves	26,808	428,929	-	-	-	-	455,737
Recoveries	-	375,000	-	-	-	-	375,000
Debt	-	2,125,000	-	-	-	-	2,125,000
	2,275,000	3,950,000	250,000	250,000	250,000	250,000	7,225,000
TOTAL - INFRASTRUCTURE CAPITAL PLANNING	48,895,237	46,904,525	8,299,398	6,764,571	5,315,168	48,101,590	164,280,489
WATER/WASTEWATER							
WATER							
User Fees	17,959,816	-	-	-	-	-	17,959,816
Capital Reserves	1,300,309	-	-	-	-	-	1,300,309
Provincial Grant	507,078	-	-	-	-	-	507,078
Recoveries	1,760,617	-	-	-	-	-	1,760,617
	21,527,820	-	-	-	-	-	21,527,820
WASTEWATER							
User Fees	15,471,847	3,593,315	4,943,315	2,593,315	2,593,315	1,926,136	31,121,243
Capital Reserves	2,000,000	-	-	-	-	-	2,000,000
Federal Grant	960,000	-	-	-	-	-	960,000
	18,431,847	3,593,315	4,943,315	2,593,315	2,593,315	1,926,136	34,081,243
TOTAL - WATER/WASTEWATER	39,959,667	3,593,315	4,943,315	2,593,315	2,593,315	1,926,136	55,609,063
ENVIRONMENTAL SERVICES							
Annual Contribution to Capital	3,448,500	554,500	-	-	-	-	4,003,000
TOTAL - ENVIRONMENTAL SERVICES	3,448,500	554,500	-	-	-	-	4,003,000
PLANNING & DEVELOPMENT							
Annual Contribution to Capital	70,000	-	-	-	-	-	70,000
TOTAL - PLANNING & DEVELOPMENT	70,000	-	-	-	-	-	70,000
TOTAL - GROWTH & INFRASTRUCTURE	92,373,404	51,052,340	13,242,713	9,357,886	7,908,483	50,027,726	223,962,552
COMMUNITY DEVELOPMENT							
HOUSING SERVICES							
Annual Contribution to Capital	61,750	-	-	-	-	-	61,750
TOTAL - HOUSING SERVICES	61,750	-	-	-	-	-	61,750
SERVICES							
Annual Contribution to Capital	128,000	-	-	-	-	-	128,000
TOTAL - LONG-TERM CARE - SENIOR SERVICES	128,000	-	-	-	-	-	128,000
CHILDREN & CITIZEN SERVICES							
Annual Contribution to Capital	1,383,000	208,000	208,000	208,000	163,000	1,304,000	3,474,000
Development Charges	115,000	115,000	115,000	115,000	115,000	920,000	1,495,000
TOTAL - CHILDREN & CITIZEN SERVICES	1,498,000	323,000	323,000	323,000	278,000	2,224,000	4,969,000

2019 CAPITAL PROJECT FUNDING SUMMARY BY YEAR

Department	2019	2020	2021	2022	2023	Beyond 2024	Total
LEISURE SERVICES							
Annual Contribution to Capital	3,546,032	2,113,732	294,732	294,732	294,732	3,536,784	10,080,744
Capital Reserves	130,000	-	-	-	-	-	130,000
Development Charges	110,000	110,000	110,000	110,000	110,000	1,320,000	1,870,000
Federal Grant	130,000	-	-	-	-	-	130,000
Provincial Grant	59,800	-	-	-	-	-	59,800
Recoveries	322,100	-	-	-	-	-	322,100
TOTAL - LEISURE SERVICES	4,297,932	2,223,732	404,732	404,732	404,732	4,856,784	12,592,644
TRANSIT SERVICES							
Annual Contribution to Capital	135,000	135,000	-	-	-	-	270,000
Federal Grant	250,000	250,000	-	-	-	-	500,000
Provincial Grant	862,626	862,626	747,626	747,626	747,626	-	3,968,130
TOTAL - TRANSIT SERVICES	1,247,626	1,247,626	747,626	747,626	747,626	-	4,738,130
HEALTHY COMMUNITIES INITIATIVES							
Annual Contribution to Capital	600,000	600,000	600,000	600,000	600,000	2,778,393	5,778,393
TOTAL - HEALTHY COMMUNITIES INITIATIVES	600,000	600,000	600,000	600,000	600,000	2,778,393	5,778,393
TOTAL - COMMUNITY DEVELOPMENT	7,833,308	4,394,358	2,075,358	2,075,358	2,030,358	9,859,177	28,267,917
COMMUNITY SAFETY							
EMERGENCY MANAGEMENT							
Annual Contribution to Capital	431,233	431,233	431,233	-	-	-	1,293,699
TOTAL - EMERGENCY MANAGEMENT	431,233	431,233	431,233	-	-	-	1,293,699
PARAMEDIC SERVICES							
Capital Reserves	846,000	-	-	-	-	-	846,000
TOTAL - PARAMEDIC SERVICES	846,000	-	-	-	-	-	846,000
FIRE SERVICES							
Annual Contribution to Capital	1,283,797	173,797	173,797	173,797	173,797	347,594	2,326,579
TOTAL - FIRE SERVICES	1,283,797	173,797	173,797	173,797	173,797	347,594	2,326,579
TOTAL - COMMUNITY SAFETY	2,561,030	605,030	605,030	173,797	173,797	347,594	4,466,278
CORPORATE SERVICES							
INFORMATION TECHNOLOGY							
Annual Contribution to Capital	1,709,914	1,017,271	248,865	-	-	-	2,976,050
Obligatory Reserves	268,930	1,600,057	1,031,013	-	-	-	2,900,000
TOTAL - INFORMATION TECHNOLOGY	1,978,844	2,617,328	1,279,878	-	-	-	5,876,050
ASSET AND FLEET SERVICES							
FACILITIES							
Annual Contribution to Capital	4,180,951	3,838,501	1,694,501	389,501	-	-	10,103,454
Capital Reserves	275,550	396,000	-	-	-	-	671,550
	4,456,501	4,234,501	1,694,501	389,501	-	-	10,775,004
PARKING							
Capital Reserves	550,000	380,000	330,000	330,000	330,000	-	1,920,000
	550,000	380,000	330,000	330,000	330,000	-	1,920,000
FLEET							
Capital Reserves	3,335,000	-	-	-	-	-	3,335,000
	3,335,000	-	-	-	-	-	3,335,000
TOTAL - ASSET AND FLEET SERVICES	8,341,501	4,614,501	2,024,501	719,501	330,000	-	16,030,004
TOTAL - CORPORATE SERVICES	10,320,345	7,231,829	3,304,379	719,501	330,000	-	21,906,054
POLICE SERVICES							
POLICE							
Capital Reserves	2,255,592	-	-	-	-	-	2,255,592
	2,255,592	-	-	-	-	-	2,255,592
COMMUNICATIONS INFRASTRUCTURE							
Capital Reserves	1,305,640	1,050,640	950,640	-	-	-	3,306,920
	1,305,640	1,050,640	950,640	-	-	-	3,306,920
TOTAL - POLICE SERVICES	3,561,232	1,050,640	950,640	-	-	-	5,562,512
Grand Total	116,649,319	64,334,197	20,178,120	12,326,542	10,442,638	60,234,497	284,165,313

2019 CAPITAL PROJECT LIST

R - Recommended, P - Previous Council Approvals - in thousands																		
Page	Capital Project	Capital Project Cost							Total Recommended Funding									
		Total Project	2019	2020	2021	2022	2023	Beyond	Total Funding	Annual Contribution to Capital	Capital Reserves	Obligatory Reserves	Development Charges	Federal Grant	Provincial Grant	Recoveries	Debt	Index
	GROWTH & INFRASTRUCTURE																	
	INFRASTRUCTURE CAPITAL PLANNING																	
	ROADS																	
291	Annual Recurring Road Programs & Projects	2,565	2,565	-	-	-	-	-	2,565	2,565	-	-	-	-	-	-	-	R
292	Arterial/Collector Roads Rehabilitation & Resurfacing	23,295	6,925	16,370	-	-	-	-	23,295	4,455	-	-	-	4,340	14,500	-	-	R
293	Bridges & Culverts Replacement & Rehabilitation	28,150	15,550	12,600	-	-	-	-	28,150	14,250	-	-	-	7,000	-	-	6,900	R
294	Capital Project Delivery Resources	947	230	234	239	244	-	-	947	947	-	-	-	-	-	-	-	P
294	Complete Streets Design Guidelines	250	200	50	-	-	-	-	250	250	-	-	-	-	-	-	-	R
295	Construction Services Survey Equipment	52	52	-	-	-	-	-	52	-	52	-	-	-	-	-	-	R
295	Cycling Infrastructure	4,800	800	800	800	800	800	800	4,800	4,800	-	-	-	-	-	-	-	P
296	GIS Database & As-built Drawing Updates	1,035	262	233	238	244	58	-	1,035	1,035	-	-	-	-	-	-	-	R
296	Levack Equipment Storage Facility	123	123	-	-	-	-	-	123	123	-	-	-	-	-	-	-	R
297	Loader Hydraulic Crusher Attachment	100	100	-	-	-	-	-	100	100	-	-	-	-	-	-	-	R
297	Local Roads Rehabilitation & Resurfacing	2,280	2,280	-	-	-	-	-	2,280	440	-	-	-	1,840	-	-	-	R
298	Lorne Street (MR55)	11,175	559	559	559	559	559	8,381	11,175	11,175	-	-	-	-	-	-	-	P
298	Maley Drive Extension	7,607	2,285	2,285	2,285	753	-	-	7,607	7,607	-	-	-	-	-	-	-	P
298	MR35	48,338	1,934	1,934	1,934	1,934	1,934	38,670	48,338	48,338	-	-	-	-	-	-	-	P
299	New Sidewalk Construction & Repair	1,000	1,000	-	-	-	-	-	1,000	1,000	-	-	-	-	-	-	-	R
299	Road & Water/Wastewater Improvements	10,580	4,900	5,680	-	-	-	-	10,580	2,394	-	-	-	4,500	3,686	-	-	R
300	Silver Hills Phase 2	1,615	1,615	-	-	-	-	-	1,615	914	701	-	-	-	-	-	-	P
300	Subdivision Surface Asphalt	5,000	1,000	1,000	1,000	1,000	1,000	-	5,000	750	-	4,250	-	-	-	-	-	R
301	Surface Treatment	2,421	2,421	-	-	-	-	-	2,421	2,421	-	-	-	-	-	-	-	R
302	Traffic Signal System Renewal	5,722	1,820	1,210	995	982	715	-	5,722	1,545	-	-	-	2,861	1,316	-	-	R
	TOTAL - ROADS	157,055	46,620	42,955	8,049	6,515	5,065	47,852	157,055	105,109	753	4,250	-	20,541	19,502	-	6,900	
	DRAINS																	
303	Countryside Drainage Improvements Phase II	1,275	75	1,200	-	-	-	-	1,275	819	-	456	-	-	-	-	-	R
303	McNaughton Terrace Treatment Facility	2,850	350	2,500	-	-	-	-	2,850	350	-	-	-	-	-	375	2,125	R
304	Minnow Lake Stormwater Treatment Station	300	300	-	-	-	-	-	300	300	-	-	-	-	-	-	-	P
304	Mountain Street Storm Outlet	400	400	-	-	-	-	-	400	400	-	-	-	-	-	-	-	P
305	Stormsewer Closed-Circuit Television Program	200	200	-	-	-	-	-	200	200	-	-	-	-	-	-	-	R
305	Stormsewer Rehabilitation	300	300	-	-	-	-	-	300	300	-	-	-	-	-	-	-	R
306	Stormwater Compliance	150	150	-	-	-	-	-	150	150	-	-	-	-	-	-	-	R
306	Stormwater Sustainable Funding Study	250	250	-	-	-	-	-	250	250	-	-	-	-	-	-	-	R
307	Subwatershed Planning	1,500	250	250	250	250	250	250	1,500	1,500	-	-	-	-	-	-	-	P
	TOTAL - DRAINS	7,225	2,275	3,950	250	250	250	250	7,225	4,269	-	456	-	-	-	375	2,125	
	TOTAL - INFRASTRUCTURE CAPITAL PLANNING	164,280	48,895	46,905	8,299	6,765	5,315	48,102	164,280	109,378	753	4,706	-	20,541	19,502	375	9,025	
	ENVIRONMENTAL SERVICES																	
307	Azilda Landfill - Stage 1 Final Cover	1,000	1,000	-	-	-	-	-	1,000	1,000	-	-	-	-	-	-	-	R
308	Hanmer Landfill - Compost Pad Construction	564	564	-	-	-	-	-	564	564	-	-	-	-	-	-	-	R
308	Recycling Center - Tipping Floor Replacement	200	200	-	-	-	-	-	200	200	-	-	-	-	-	-	-	R
309	Sudbury Landfill - Leachate Treatment System	2,239	1,685	555	-	-	-	-	2,239	2,239	-	-	-	-	-	-	-	R
	TOTAL - ENVIRONMENTAL SERVICES	4,003	3,449	555	-	-	-	-	4,003	4,003	-	-	-	-	-	-	-	
	PLANNING & DEVELOPMENT																	
310	Survey & GPS Equipment	70	70	-	-	-	-	-	70	70	-	-	-	-	-	-	-	R
	TOTAL - PLANNING & DEVELOPMENT	70	70	-	-	-	-	-	70	70	-	-	-	-	-	-	-	
	TOTAL - GROWTH & INFRASTRUCTURE	168,353	52,414	47,459	8,299	6,765	5,315	48,102	168,353	113,451	753	4,706	-	20,541	19,502	375	9,025	
	COMMUNITY DEVELOPMENT																	
	HOUSING SERVICES																	
310	Housing Registry System Replacement	62	62	-	-	-	-	-	62	62	-	-	-	-	-	-	-	R
	TOTAL - HOUSING SERVICES	62	62	-	-	-	-	-	62	62	-	-	-	-	-	-	-	
	LONG-TERM CARE - SENIOR SERVICES																	
311	Boiler Replacement & Isolation Valves	30	30	-	-	-	-	-	30	30	-	-	-	-	-	-	-	R
311	Therapeutic Tubs	62	62	-	-	-	-	-	62	62	-	-	-	-	-	-	-	R
312	Tub Lifts	36	36	-	-	-	-	-	36	36	-	-	-	-	-	-	-	R
	TOTAL - LONG-TERM CARE - SENIOR SERVICES	128	128	-	-	-	-	-	128	128	-	-	-	-	-	-	-	
	CHILDREN & CITIZEN SERVICES																	
312	Anderson Farm Museum Repairs	425	425	-	-	-	-	-	425	425	-	-	-	-	-	-	-	R
313	Civic Cemetery Mausoleum Building Improvements	450	450	-	-	-	-	-	450	450	-	-	-	-	-	-	-	R
313	Civic Mausoleum Phase 5	180	45	45	45	45	-	-	180	180	-	-	-	-	-	-	-	P
314	Flour Mill Museum Office Building	250	250	-	-	-	-	-	250	250	-	-	-	-	-	-	-	R
314	New Sudbury Public Library Walkway	50	50	-	-	-	-	-	50	50	-	-	-	-	-	-	-	R
315	South Branch Library	3,614	278	278	278	278	278	2,224	3,614	2,119	-	-	1,495	-	-	-	-	P
	TOTAL - CHILDREN & CITIZEN SERVICES	4,969	1,498	323	323	323	278	2,224	4,969	3,474	-	-	1,495	-	-	-	-	
	LEISURE SERVICES																	
315	Ammonia Refrigeration Audits for Arenas	115	115	-	-	-	-	-	115	115	-	-	-	-	-	-	-	R
316	Dowling Leisure Centre Roof	1,250	1,000	250	-	-	-	-	1,250	1,250	-	-	-	-	-	-	-	R
316	Field Turf at Terry Fox Baseball Field	225	225	-	-	-	-	-	225	75	-	-	-	-	-	150	-	R
317	Gerry McCrory Countryside Arena	6,880	405	405	405	405	405	4,857	6,880	5,010	-	-	1,870	-	-	-	-	P
317	HARC - Roof, HVAC, Doors, Windows	2,250	1,500	750	-	-	-	-	2,250	2,250	-	-	-	-	-	-	-	R
318	Oil Separators Replacement - Various Arenas	88	88	-	-	-	-	-	88	88	-	-	-	-	-	-	-	R
318	Ride On Lawn Equipment	30	30	-	-	-	-	-	30	-	30	-	-	-	-	-	-	R
319	St. Joseph's Parking Lot Redevelopment Phase II	1,265	446	819	-	-	-	-	1,265	1,075	-	-	-	130	60	-	-	R
319	Security Upgrades - Municipal Pools	45	45	-	-	-	-	-	45	45	-	-	-	-	-	-	-	R
320	Terry Fox Sports Complex Parking Lot	344	344	-	-	-	-	-	344	172	-	-	-	-	-	172	-	R
320	Trimmer	10	10	-	-	-	-	-	10	-	10	-	-	-	-	-	-	R
321	Utility Tractor	90	90	-	-	-	-	-	90	-	90	-	-	-	-	-	-	R
	TOTAL - LEISURE SERVICES	12,593	4,298	2,224	405	405	405	4,857	12,593	10,081	130	-	1,870	130	60	322	-	

2019 CAPITAL PROJECT LIST

R - Recommended, P - Previous Council Approvals - in thousands																		
Page	Capital Project	Capital Project Cost							Total Recommended Funding									
		Total Project	2019	2020	2021	2022	2023	Beyond	Total Funding	Annual Contribution to Capital	Capital Reserves	Obligatory Reserves	Development Charges	Federal Grant	Provincial Grant	Recoveries	Debt	Index
	COMMUNITY SAFETY																	
	EMERGENCY MANAGEMENT																	
323	Lionel E Lalonde Centre Improvements	1,294	431	431	431	-	-	-	1,294	1,294	-	-	-	-	-	-	-	P
	TOTAL - EMERGENCY MANAGEMENT	1,294	431	431	431	-	-	-	1,294	1,294	-	-	-	-	-	-	-	
	PARAMEDIC SERVICES																	
324	Ambulances	510	510	-	-	-	-	-	510	-	510	-	-	-	-	-	-	R
324	Emergency Response Unit	166	166	-	-	-	-	-	166	-	166	-	-	-	-	-	-	R
325	Medical Equipment	50	50	-	-	-	-	-	50	-	50	-	-	-	-	-	-	R
325	Technology	120	120	-	-	-	-	-	120	-	120	-	-	-	-	-	-	R
	TOTAL - PARAMEDIC SERVICES	846	846	-	-	-	-	-	846	-	846	-	-	-	-	-	-	
	FIRE SERVICES																	
326	Aerial Truck	1,217	174	174	174	174	174	348	1,217	1,217	-	-	-	-	-	-	-	P
326	Auto Extrication Tool Replacement	60	60	-	-	-	-	-	60	60	-	-	-	-	-	-	-	R
327	Bunker Gear Replacement	150	150	-	-	-	-	-	150	150	-	-	-	-	-	-	-	R
328	Pumper Fire Engine Replacement	650	650	-	-	-	-	-	650	650	-	-	-	-	-	-	-	R
328	Rigid Hull Inflatable Boat (RHIB)	250	250	-	-	-	-	-	250	250	-	-	-	-	-	-	-	R
	TOTAL - FIRE SERVICES	2,327	1,284	174	174	174	174	348	2,327	2,327	-	-	-	-	-	-	-	
	TOTAL - COMMUNITY SAFETY	4,466	2,561	605	605	174	174	348	4,466	3,620	846	-	-	-	-	-	-	
	CORPORATE SERVICES																	
	INFORMATION TECHNOLOGY																	
329	Customer Relationship Management System	1,800	1,500	300	-	-	-	-	1,800	1,800	-	-	-	-	-	-	-	R
330	Land & Property Management System - Phase 1	3,600	334	1,986	1,280	-	-	-	3,600	700	-	2,900	-	-	-	-	-	R
330	Meeting Management Solution	266	10	256	-	-	-	-	266	266	-	-	-	-	-	-	-	R
331	Telecom PBX Upgrade	210	135	75	-	-	-	-	210	210	-	-	-	-	-	-	-	R
	TOTAL - INFORMATION TECHNOLOGY	5,876	1,979	2,617	1,280	-	-	-	5,876	2,976	-	2,900	-	-	-	-	-	
	ASSET AND FLEET SERVICES																	
	FACILITIES																	
331	1160 Lorne - Building Automation Systems	465	465	-	-	-	-	-	465	465	-	-	-	-	-	-	-	R
332	AODA Assessment & Reports	1,050	350	350	350	-	-	-	1,050	1,050	-	-	-	-	-	-	-	R
332	BCA & DSS Reports	775	300	300	175	-	-	-	775	775	-	-	-	-	-	-	-	R
333	Fire Hall - Point Source Diesel Emission Capture	800	800	-	-	-	-	-	800	800	-	-	-	-	-	-	-	R
334	Fire Hall - Van Horne HVAC	350	350	-	-	-	-	-	350	350	-	-	-	-	-	-	-	R
334	Naughton Salt Dome Demolition	47	47	-	-	-	-	-	47	47	-	-	-	-	-	-	-	R
335	Red Deer Lake Fire Station Demolition	35	35	-	-	-	-	-	35	35	-	-	-	-	-	-	-	R
335	Tom Davies Square - Courtyard	1,558	390	390	390	390	-	-	1,558	1,558	-	-	-	-	-	-	-	P
336	Tom Davies Square - Electrical Service Gear	3,510	880	1,850	780	-	-	-	3,510	3,510	-	-	-	-	-	-	-	R
336	Tom Davies Square - Fire Alarm System	1,750	650	1,100	-	-	-	-	1,750	1,173	578	-	-	-	-	-	-	R
337	Tom Davies Square - Main Ventilation Unit Fan	150	5	145	-	-	-	-	150	150	-	-	-	-	-	-	-	R
337	Tom Davies Square - Security System & Lighting	285	185	100	-	-	-	-	285	191	94	-	-	-	-	-	-	R
	TOTAL - FACILITIES	10,775	4,457	4,235	1,695	390	-	-	10,775	10,103	672	-	-	-	-	-	-	
	PARKING																	
338	On Street Pay by Plate Machines	100	100	-	-	-	-	-	100	-	100	-	-	-	-	-	-	R
338	Tom Davies Square - Courtyard - Parking	1,650	330	330	330	330	330	-	1,650	-	1,650	-	-	-	-	-	-	P
339	Tom Davies Square - Underground Lighting	100	50	50	-	-	-	-	100	-	100	-	-	-	-	-	-	R
339	Tom Davies Square - Underground Garage Fans	70	70	-	-	-	-	-	70	-	70	-	-	-	-	-	-	R
	TOTAL - PARKING	1,920	550	380	330	330	330	-	1,920	-	1,920	-	-	-	-	-	-	
	FLEET																	
340	Business Process Improvements	30	30	-	-	-	-	-	30	-	30	-	-	-	-	-	-	R
340	Garbage Packers	660	660	-	-	-	-	-	660	-	660	-	-	-	-	-	-	R
340	Heavy Duty Equipment	350	350	-	-	-	-	-	350	-	350	-	-	-	-	-	-	R
341	Heavy Duty Trucks	1,130	1,130	-	-	-	-	-	1,130	-	1,130	-	-	-	-	-	-	R
341	Light Duty Vehicles	280	280	-	-	-	-	-	280	-	280	-	-	-	-	-	-	R
341	Medium Duty Vehicles	350	350	-	-	-	-	-	350	-	350	-	-	-	-	-	-	R
342	Rebuilds	75	75	-	-	-	-	-	75	-	75	-	-	-	-	-	-	R
342	Shelving Improvements	10	10	-	-	-	-	-	10	-	10	-	-	-	-	-	-	R
343	Specialty Equipment	350	350	-	-	-	-	-	350	-	350	-	-	-	-	-	-	R
343	Zamboni	100	100	-	-	-	-	-	100	-	100	-	-	-	-	-	-	R
	TOTAL - FLEET	3,335	3,335	-	-	-	-	-	3,335	-	3,335	-	-	-	-	-	-	
	TOTAL - ASSET AND FLEET SERVICES	16,030	8,342	4,615	2,025	720	330	-	16,030	10,103	5,927	-	-	-	-	-	-	
	TOTAL - CORPORATE SERVICES	21,906	10,320	7,232	3,304	720	330	-	21,906	13,080	5,927	2,900	-	-	-	-	-	
	POLICE SERVICES																	
	POLICE																	
344	Automation	188	188	-	-	-	-	-	188	-	188	-	-	-	-	-	-	R
344	Communications	150	150	-	-	-	-	-	150	-	150	-	-	-	-	-	-	R
345	Leasehold Improvements	125	125	-	-	-	-	-	125	-	125	-	-	-	-	-	-	R
345	Police Equipment & Supplies	140	140	-	-	-	-	-	140	-	140	-	-	-	-	-	-	R
346	Police Fleet	727	727	-	-	-	-	-	727	-	727	-	-	-	-	-	-	R
346	Renovations	900	900	-	-	-	-	-	900	-	900	-	-	-	-	-	-	R
347	Security	25	25	-	-	-	-	-	25	-	25	-	-	-	-	-	-	R
	TOTAL - POLICE	2,256	2,256	-	-	-	-	-	2,256	-	2,256	-	-	-	-	-	-	
	COMMUNICATIONS INFRASTRUCTURE																	
347	Communication Infrastructure	2,852	951	951	951	-	-	-	2,852	-	2,852	-	-	-	-	-	-	P
348	Next Generation 911	350	250	100	-	-	-	-	350	-	350	-	-	-	-	-	-	R
348	Police Communication Tower Repairs	105	105	-	-	-	-	-	105	-	105	-	-	-	-	-	-	R
	TOTAL - COMMUNICATIONS INFRASTRUCTURE	3,307	1,306	1,051	951	-	-	-	3,307	-	3,307	-	-	-	-	-	-	
	TOTAL - POLICE SERVICES	5,563	3,561	1,051	951	-	-	-	5,563	-	5,563	-	-	-	-	-	-	
	TOTAL CAPITAL REQUEST	228,556	76,690	60,741	15,235	9,733	7,849	58,308	228,556	149,944	13,218	7,606	3,365	21,171	23,530	697	9,025	

2019 CAPITAL PROJECT DETAILS

Project Title: Annual Recurring Road Programs and Projects**Project Type:** Recommended**Asset Class:** Roads Infrastructure**Department:** Infrastructure Capital Planning

Summary: This project includes annual recurring road programs including road safety initiatives and installation of pedestrian crossovers, upgrading and installation of streetlights, improvements to railway crossings, large asphalt patches, contribution to the consultant guidelines project and pavement management program.

	2019	2020	2021	2022	2023	Beyond 2024	Total
Expenses	\$ 2,565,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,565,000

Funding	2019	2020	2021	2022	2023	Beyond 2024	Total
Annual Contribution to Capital	\$ 2,565,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,565,000
Total	\$ 2,565,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,565,000

Operating Impact of Capital	2019	2020	2021	2022	2023	Beyond 2024	Total
Incremental Cost	\$ -	\$ 750	\$ -	\$ -	\$ -	\$ -	\$ 750

2019 CAPITAL PROJECT DETAILS

Project Title: Arterial/Collector Roads Rehabilitation and Resurfacing **Project Type:** Recommended

Asset Class: Roads Infrastructure **Department:** Infrastructure Capital Planning

Summary: This project includes resurfacing or rehabilitation of construction in 2019 of the following arterial/collector roads:

- York Street from Regent Street to Paris Street
- Attlee Avenue from Gemmell Street to LaSalle Boulevard
- Main Street East from Municipal Road 15 to Railway Tracks
- Dominion Drive from Elmview Drive to Municipal Road 80

This project also includes design costs for resurfacing or rehabilitation in 2019, with the construction costs in 2020 of the following arterial/collector roads:

- Melvin Avenue from Kathleen Street to Mabel Street
- Kingsway from Barry Downe Road to Falconbridge Highway
- Brady Street from Underpass to Keziah Court
- Notre Dame Avenue from Dominion Drive to Oscar Street (Hanmer)
- Municipal Road 15 from 600m West of St. Laurent Street to Montee Principale
- Walford Road from Regent Street to Paris Street
- Auger Avenue from Hawthorne Drive to Falconbridge Highway
- Valleyview Road from Martin Road to St. Laurent
- Kelly Lake Road from Copper Street to Junction Creek Bridge
- Hill Street from Hwy 17 to 0.9 km South

	2019	2020	2021	2022	2023	Beyond 2024	Total
Expenses	\$ 6,925,000	\$ 16,370,000	\$ -	\$ -	\$ -	\$ -	\$ 23,295,000

Funding	2019	2020	2021	2022	2023	Beyond 2024	Total
Annual Contribution to Capital	\$ 1,425,000	\$ 3,030,000	\$ -	\$ -	\$ -	\$ -	\$ 4,455,000
Federal Grant Gas Tax	\$ -	\$ 4,340,000	\$ -	\$ -	\$ -	\$ -	\$ 4,340,000
Provincial Grant OCIF	\$ 5,500,000	\$ 9,000,000	\$ -	\$ -	\$ -	\$ -	\$ 14,500,000
Total	\$ 6,925,000	\$ 16,370,000	\$ -	\$ -	\$ -	\$ -	\$ 23,295,000

Operating Impact of Capital	2019	2020	2021	2022	2023	Beyond 2024	Total
Incremental Cost	\$ -	\$ 18,986	\$ -	\$ -	\$ -	\$ -	\$ 18,986

2019 CAPITAL PROJECT DETAILS

Project Title: Bridges and Culverts Replacement and Rehabilitation
Asset Class: Roads Infrastructure
Project Type: Recommended
Department: Infrastructure Capital Planning

Summary: The following bridges and culverts are scheduled for rehabilitation or replacement in 2019:

- Douglas Street Bridge, CNR Overpass (Falconbridge Road)
- Allan Street Bridge
- Frappier Road Bridge
- Martindale Road Bridge
- Nelson Lake Road Bridge
- CPR Overpass (Elm Street West)

The design phase for the rehabilitation or replacement of the following bridges is scheduled for 2019, with the construction following in 2020:

- Spanish River Road Bridge
- Beatty Street Bridge
- High Falls Road Bridge
- Moose Mountain Road Bridge
- Walter Street Bridge
- Old Soo Road Bridge

This also includes the funding for engineering and pre-engineering field work for rehabilitation or replacement of the College Street Bridge which will include pedestrian facilities, a review of other active transportation facilities and a review of the horizontal and vertical alignment of College Street and the bridge. This project also includes the replacement of large culverts in 2019 as part of the annual program.

	2019	2020	2021	2022	2023	Beyond 2024	Total
Expenses	\$ 15,550,000	\$ 12,600,000	\$ -	\$ -	\$ -	\$ -	\$ 28,150,000

	2019	2020	2021	2022	2023	Beyond 2024	Total
Funding							
Annual Contribution to Capital	\$ 1,650,000	\$ 12,600,000	\$ -	\$ -	\$ -	\$ -	\$ 14,250,000
Federal Grant Gas Tax	\$ 7,000,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 7,000,000
Debt	\$ 6,900,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 6,900,000
Total	\$ 15,550,000	\$ 12,600,000	\$ -	\$ -	\$ -	\$ -	\$ 28,150,000

	2019	2020	2021	2022	2023	Beyond 2024	Total
Operating Impact of Capital	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

2019 CAPITAL PROJECT DETAILS

Project Title: Capital Project Delivery Resources
Asset Class: Roads Infrastructure

Project Type: Previously Approved
Department: Infrastructure Capital Planning

Summary: Represents funds previously approved by Council for additional staff for a period of five years. This is to allow the City to maximize investments from senior levels of government (funding commitment is from years 2018 through to 2022). This is to address the significant increase in workload to deliver the capital program (i.e. Maley Drive Extension, Clean Water and Wastewater Fund, PTIF, OCIF).

	2019	2020	2021	2022	2023	Beyond 2024	Total
Expenses	229,827	234,424	239,112	243,894	\$ -	\$ -	\$ 947,257
Funding							
Annual Contribution to Capital	\$ 229,827	\$ 234,424	\$ 239,112	\$ 243,894	\$ -	\$ -	\$ 947,257
Total	\$ 229,827	\$ 234,424	\$ 239,112	\$ 243,894	\$ -	\$ -	\$ 947,257
Operating Impact of Capital	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Project Title: Complete Streets Design Guidelines
Asset Class: Roads Infrastructure

Project Type: Recommended
Department: Infrastructure Capital Planning

Summary: On July 10, 2018 Council passed resolution CC2018-196 approving the Complete Streets Policy and directing staff to prepare a business case to develop Complete Streets Design Guidelines and Implementation Strategy. The development of comprehensive guidelines and a corresponding implementation strategy will provide the City with a consistent and transparent approach to the design of the public right-of-way that integrates key policies, by-laws, standards and guidelines and uses the latest best practices in transportation corridor design. As street design has a direct impact on the work, interests and operations of numerous city divisions (i.e. Infrastructure Capital Planning, Linear Infrastructure Services, Planning Services, Greater Sudbury Transit, Leisure Services), the guidelines will be developed collaboratively with extensive community input and provide a uniform approach to inform, streamline and better coordinate internal decision-making and commenting when reviewing capital infrastructure projects and development applications going forward.

	2019	2020	2021	2022	2023	Beyond 2024	Total
Expenses	\$ 200,000	\$ 50,000	\$ -	\$ -	\$ -	\$ -	\$ 250,000
Funding							
Annual Contribution to Capital	\$ 200,000	\$ 50,000	\$ -	\$ -	\$ -	\$ -	\$ 250,000
Total	\$ 200,000	\$ 50,000	\$ -	\$ -	\$ -	\$ -	\$ 250,000
Operating Impact of Capital	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

2019 CAPITAL PROJECT DETAILS

Project Title: Construction Services Survey Equipment
Asset Class: Roads Infrastructure

Project Type: Recommended
Department: Infrastructure Capital Planning

Summary: Currently, Construction Services have seven Sokkia GSR2700ISX GPS antennas that were purchased in 2008. Three of these antennas no longer have the ability to receive a radio signal and cannot be used on the GPS network. The remaining four antennas can receive and transmit a radio signal and are used as a network GPS rover. Replacement parts are no longer available and the supplier no longer can service these GPS antennas. The only way to continue to repair these units is to take the necessary parts from one of the other antennas. The plan is to replace four Sokkia GR2700ISX GPS antennas with four Sokkia SOKKIA GCX3 GPS antennas at \$13,000 each. The 4 antennas being replaced will be used to provide parts for the Sokkia GR2700ISX GPS still in operation to extend their useful life further. This plan will ensure reliability of the equipment necessary to continue providing the survey services required for delivery of the capital infrastructure program.

	2019	2020	2021	2022	2023	Beyond 2024	Total
Expenses	\$ 52,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 52,000
Funding							
Capital Reserves Roads Committed	\$ 52,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 52,000
Total	\$ 52,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 52,000
Operating Impact of Capital	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Project Title: Cycling Infrastructure
Asset Class: Roads Infrastructure

Project Type: Previously Approved
Department: Infrastructure Capital Planning

Summary: Represents funds previously approved by Council toward Cycling Infrastructure of \$800,000 per year. This is to improve transparency regarding the City's investment in the Active Transportation Network, and to construct cycling infrastructure connectivity and road retrofits.

	2019	2020	2021	2022	2023	Beyond 2024	Total
Expenses	\$ 800,000	\$ 800,000	\$ 800,000	\$ 800,000	\$ 800,000	\$ 800,000	\$ 4,800,000
Funding							
Annual Contribution to Capital	\$ 800,000	\$ 800,000	\$ 800,000	\$ 800,000	\$ 800,000	\$ 800,000	\$ 4,800,000
Total	\$ 800,000	\$ 800,000	\$ 800,000	\$ 800,000	\$ 800,000	\$ 800,000	\$ 4,800,000
Operating Impact of Capital	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

2019 CAPITAL PROJECT DETAILS

Project Title: GIS Database and As-built Drawing Updates
Asset Class: Roads Infrastructure

Project Type: Recommended
Department: Infrastructure Capital Planning

Summary: Every year Engineering Services must prepare as-built drawings to commence and complete capital projects. The City currently has 126 km of linear assets with outdated or no as-built data. This represents approximately 840 drawings and the data required to create them. Engineering Services requires additional resources to update and maintain the as-built drawings to current conditions. It is recommended that two full-time contract draftpersons, two temporary limited instrument persons and two limited temporary rod persons (i.e. two survey crews) be hired and equipped over a four year duration to address this shortfall. All of the above positions would be on a 40 hour work week. There is currently additional capital funding allocated within Water/Wastewater of \$560,000 for this project, which would be supplemented by the funds included herein.

	2019	2020	2021	2022	2023	Beyond 2024	Total
Expenses	\$ 262,133	\$ 233,134	\$ 238,319	\$ 243,621	\$ 57,898	\$ -	\$ 1,035,105
Funding							
Annual Contribution to Capital	\$ 262,133	\$ 233,134	\$ 238,319	\$ 243,621	\$ 57,898	\$ -	\$ 1,035,105
Total	\$ 262,133	\$ 233,134	\$ 238,319	\$ 243,621	\$ 57,898	\$ -	\$ 1,035,105
Operating Impact of Capital							
	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Project Title: Levack Equipment Storage Facility
Asset Class: Facilities

Project Type: Recommended
Department: Infrastructure Capital Planning

Summary: The project objective includes the purchase of property in Levack and the building of an equipment storage facility used for roads winter maintenance operations. The building would have a estimated useful life of 30 years. Council Resolution CC2016-18 and CC2016-19 authorized staff to sell the existing Levack Municipal Building located at 55 Levack Drive and to negotiate alternate depot arrangements in order to retain a sand depot service. Currently, equipment storage and sand storage is being leased that can be revoked at any time.

	2019	2020	2021	2022	2023	Beyond 2024	Total
Expenses	\$ 123,429	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 123,429
Funding							
Annual Contribution to Capital	\$ 123,429	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 123,429
Total	\$ 123,429	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 123,429
Operating Impact of Capital							
Incremental Cost	\$ -	\$ (18,000)	\$ -	\$ -	\$ -	\$ -	\$ (18,000)

2019 CAPITAL PROJECT DETAILS

Project Title: Loader Hydraulic Crusher Attachment
Asset Class: Equipment

Project Type: Recommended
Department: Infrastructure Capital Planning

Summary: The project objective includes the purchase of a hydraulic crusher loader attachment. The attachment would allow the recycling of surplus excavated material currently located in the Frobisher Yard for reuse in various Roads and Distribution and Collection (D&C) maintenance activities. Approximately 1,000 metric tonnes of modified granular B as well as 7,600 tonnes of granular A is purchased for use in Roads and D&C operations annually at a cost of \$112,000. Using the loader attachment, the surplus excavated material can be refurbished into an unspecified granular type of material and used in operations.

	2019	2020	2021	2022	2023	Beyond 2024	Total
Expenses	\$ 100,000		\$ -	\$ -	\$ -	\$ -	\$ 100,000
Funding							
Annual Contribution to Capital	\$ 100,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 100,000
Total	\$ 100,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 100,000
Operating Impact of Capital							
Incremental Cost	\$ -	\$ (20,953)	\$ -	\$ -	\$ -	\$ -	\$ (20,953)

Project Title: Local Roads Rehabilitation and Resurfacing
Asset Class: Roads Infrastructure

Project Type: Recommended
Department: Infrastructure Capital Planning

Summary: This project includes resurfacing/rehabilitation design and construction in 2019 of the following local roads:

- CKSO Road from Goodview to Leedale
- Vagnini Court from Mumford to End
- Henry Court from George East to George West
- Second Avenue from Bancroft to Railway
- Roy Avenue from Leon to Rinfret

	2019	2020	2021	2022	2023	Beyond 2024	Total
Expenses	\$ 2,280,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,280,000
Funding							
Annual Contribution to Capital	\$ 439,516	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 439,516
Federal Grant Gas Tax	\$ 1,840,484	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,840,484
Total	\$ 2,280,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,280,000
Operating Impact of Capital							
	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

2019 CAPITAL PROJECT DETAILS

Project Title: Lorne Street (Municipal Road 55)
Asset Class: Roads Infrastructure

Project Type: Previously Approved
Department: Infrastructure Capital Planning

Summary: Represents funds previously committed by Council toward the construction project of Lorne Street (Municipal Road 55) from Elm Street to Power Street. The term of the funding commitment is from years 2019 through to 2038.

	2019	2020	2021	2022	2023	Beyond 2024	Total
Expenses	558,762	558,762	558,762	558,762	558,762	8,381,430	\$ 11,175,240
Funding							
Annual Contribution to Capital	\$ 558,762	\$ 558,762	\$ 558,762	\$ 558,762	\$ 558,762	\$ 8,381,430	\$ 11,175,240
Total	\$ 558,762	\$ 558,762	\$ 558,762	\$ 558,762	\$ 558,762	\$ 8,381,430	\$ 11,175,240
Operating Impact of Capital							
Incremental Cost	\$ -	\$ 2,987	\$ -	\$ -	\$ -	\$ -	\$ 2,987

Project Title: Maley Drive Extension
Asset Class: Roads Infrastructure

Project Type: Previously Approved
Department: Infrastructure Capital Planning

Summary: Represents funds previously approved by Council relating to the Maley Drive Extension construction project currently in progress. The term of the funding commitment is until 2022.

	2019	2020	2021	2022	2023	Beyond 2024	Total
Expenses	2,284,697	2,284,697	2,284,697	752,786	\$ -	\$ -	\$ 7,606,877
Funding							
Annual Contribution to Capital	\$ 2,284,697	\$ 2,284,697	\$ 2,284,697	\$ 752,786	\$ -	\$ -	\$ 7,606,877
Total	\$ 2,284,697	\$ 2,284,697	\$ 2,284,697	\$ 752,786	\$ -	\$ -	\$ 7,606,877
Operating Impact of Capital							
Incremental Cost	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Project Title: Municipal Road 35
Asset Class: Roads Infrastructure

Project Type: Previously Approved
Department: Infrastructure Capital Planning

Summary: Represents funds previously approved by Council for the construction of Municipal Road 35 from Highway 144 to Notre Dame East. The term of this funding is from 2019 through to 2043.

	2019	2020	2021	2022	2023	Beyond 2024	Total
Expenses	1,933,508	1,933,508	1,933,508	1,933,508	1,933,508	38,670,160	\$ 48,337,700
Funding							
Annual Contribution to Capital	\$ 1,933,508	\$ 1,933,508	\$ 1,933,508	\$ 1,933,508	\$ 1,933,508	\$ 38,670,160	\$ 48,337,700
Total	\$ 1,933,508	\$ 1,933,508	\$ 1,933,508	\$ 1,933,508	\$ 1,933,508	\$ 38,670,160	\$ 48,337,700
Operating Impact of Capital							
Incremental Cost	\$ -	\$ 35,387	\$ -	\$ -	\$ -	\$ -	\$ 35,387

2019 CAPITAL PROJECT DETAILS

Project Title: New Sidewalk Construction and Repair
Asset Class: Roads Infrastructure

Project Type: Recommended
Department: Infrastructure Capital Planning

Summary: This project includes installation of sidewalk at the highest priority locations as ranked by the Sidewalk Priority Index. The top location is Regent Street from Long Lake Road to Old Burwash Road. Project funds will be used to advance this new sidewalk and complete repairs to existing sidewalks identified as high priority replacement assets.

	2019	2020	2021	2022	2023	Beyond 2024	Total
Expenses	\$ 1,000,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,000,000
Funding							
Annual Contribution to Capital	\$ 1,000,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,000,000
Total	\$ 1,000,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,000,000
Operating Impact of Capital							
Incremental Cost	\$ -	\$ 1,800	\$ -	\$ -	\$ -	\$ -	\$ 1,800

Project Title: Road and Water/Wastewater Improvements
Asset Class: Roads Infrastructure

Project Type: Recommended
Department: Infrastructure Capital Planning

Summary: This project includes funding for roads improvements to be completed in conjunction with water and wastewater projects. These projects were selected in consideration of both water/wastewater and roads priorities. The streets included in this project for design and construction in 2019 are as follows:

- Dean Avenue from Lorne to Landsend
- St. Brendan Street from Homewood to Marion
- Fairburn Street from Barry Downe to East End
- Henry Street from McDougall to East End, Garson
- Tudor Court from Windsor to East End
- O'Neil Drive East from Penman to Margaret South

Streets included in this project for design in 2019 and construction in 2020 include:

- 10th Avenue from Municipal Road 24 to 9th Street, Lively
- Hyland Drive from Regent to Winchester
- Dell Street from Notre Dame to Snowden
- Maple Street from Reginald to Parkwood

	2019	2020	2021	2022	2023	Beyond 2024	Total
Expenses	\$ 4,900,000	\$ 5,680,000	\$ -	\$ -	\$ -	\$ -	\$ 10,580,000
Funding							
Annual Contribution to Capital	\$ 1,214,083	\$ 1,180,000	\$ -	\$ -	\$ -	\$ -	\$ 2,394,083
Federal Grant Gas Tax	\$ -	\$ 4,500,000	\$ -	\$ -	\$ -	\$ -	\$ 4,500,000
Provincial Grant OCIF	\$ 3,685,917	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 3,685,917
Total	\$ 4,900,000	\$ 5,680,000	\$ -	\$ -	\$ -	\$ -	\$ 10,580,000

2019 CAPITAL PROJECT DETAILS

Project Title: Silver Hills Phase 2
Asset Class: Roads Infrastructure

Project Type: Previously Approved
Department: Infrastructure Capital Planning

Summary: Represents funds previously committed by Council for the City's share of Silver Hills Phase 2 project that is cost shared with developers and development charges as per report to Council in December 2016. The City's share of estimated costs are as follows:

- Internal Road Segment estimated at \$442,046 funded from existing committed reserve funds from the previous Growth Related Capital Envelope.
- External Road Segment estimated at \$311,715 and Intersection Improvements estimated at \$861,120 to be funded from a combination of Annual Contribution to Capital and Capital Financing Reserve Fund – General.

	2019	2020	2021	2022	2023	Beyond 2024	Total
Expenses	1,614,881	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,614,881
Funding							
Annual Contribution to Capital	\$ 913,661	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 913,661
Capital Reserves Planning & Capital General	\$ 701,220	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 701,220
Total	\$ 1,614,881	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,614,881
Operating Impact of Capital	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Project Title: Subdivision Surface Asphalt
Asset Class: Roads Infrastructure

Project Type: Recommended
Department: Infrastructure Capital Planning

Summary: Surface asphalt is placed in new subdivisions annually by the City through one of the annual construction contracts. Deposits are received from the developer to pay for the surface asphalt and when work is completed under City contracts, additional costs exceeding the deposit amounts are funded by the City.

	2019	2020	2021	2022	2023	Beyond 2024	Total
Expenses	\$ 1,000,000	\$ 1,000,000	\$ 1,000,000	\$ 1,000,000	\$ 1,000,000	\$ -	\$ 5,000,000
Funding							
Annual Contribution to Capital	\$ 150,000	\$ 150,000	\$ 150,000	\$ 150,000	\$ 150,000	\$ -	\$ 750,000
Obligatory Reserves	\$ 850,000	\$ 850,000	\$ 850,000	\$ 850,000	\$ 850,000	\$ -	\$ 4,250,000
Total	\$ 1,000,000	\$ 1,000,000	\$ 1,000,000	\$ 1,000,000	\$ 1,000,000	\$ -	\$ 5,000,000
Operating Impact of Capital	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

2019 CAPITAL PROJECT DETAILS

Project Title: Surface Treatment
Asset Class: Roads Infrastructure

Project Type: Recommended
Department: Infrastructure Capital Planning

Summary: This project includes the rehabilitation of the following surface treated roads:

- West Bay Road (0.9 km)
- O'Neil Drive West (0.5 km)
- Moxam Landing (1.0 km)
- Fairbanks East (1.0 km)
- Spanish River Road (0.5 km)
- Kantola Road (1.0 km)
- St. Agnes Street (1.0 km)
- Montpellier Road (1.3 km)
- South Shore Road (1.0 km)
- Stinson Hydro Road (0.3 km)
- Beaudry Road (0.3 km)
- Valleyview Road (0.7 km)
- Kalmo Road (0.3 km)
- Morgan Road (2.2 km)
- and various other roads.

This project also includes single surface treatment for various locations.

	2019	2020	2021	2022	2023	Beyond 2024	Total
Expenses	\$ 2,421,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,421,000

	2019	2020	2021	2022	2023	Beyond 2024	Total
Funding							
Annual Contribution to Capital	\$ 2,421,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,421,000
Total	\$ 2,421,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,421,000

	2019	2020	2021	2022	2023	Beyond 2024	Total
Operating Impact of Capital	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

2019 CAPITAL PROJECT DETAILS

Project Title: Traffic Signal System Renewal
Asset Class: Roads Infrastructure

Project Type: Recommended
Department: Infrastructure Capital Planning

Summary: In 1998, the Region of Sudbury procured a traffic signal system for the regional road network. This system was maintained after amalgamation and is in use today. The version of this system is not compatible with Windows 7 or any newer operating system and lacks many of the features required to more efficiently operate the traffic signal system. The current system also requires the use of proprietary field hardware most of which will not be compatible with a new traffic signal system. This project would involve the procurement of a new traffic signal system and the replacement of all the traffic controllers and cabinets installed on the roadside.

The failure to replace the system would result in the eventual failure of the existing traffic signal system, which would create significant vehicle delays on the road network. In addition, this project would replace the existing traffic signal priority system. The traffic signal priority system is currently used by Fire Services to provide green lights to vehicles responding to emergency situations. The Transit Action Plan has identified the need to implement a priority system to improve reliability for customers. The stakeholders for this project include Traffic and Transportation Services, Fire Services and Transit Services. This project will be implemented over a five year time frame with phasing closely matching the priority routes identified in the Transit Action Plan.

	2019	2020	2021	2022	2023	Beyond 2024	Total
Expenses	\$ 1,820,000	\$ 1,210,000	\$ 995,000	\$ 982,000	\$ 715,000	\$ -	\$ 5,722,000

	2019	2020	2021	2022	2023	Beyond 2024	Total
Funding							
Annual Contribution to Capital	\$ 491,400	\$ 326,700	\$ 268,650	\$ 265,140	\$ 193,050	\$ -	\$ 1,544,940
Federal Grant PTIF	\$ 910,000	\$ 605,000	\$ 497,500	\$ 491,000	\$ 357,500	\$ -	\$ 2,861,000
Provincial Grant PTIF	\$ 418,600	\$ 278,300	\$ 228,850	\$ 225,860	\$ 164,450	\$ -	\$ 1,316,060
Total	\$ 1,820,000	\$ 1,210,000	\$ 995,000	\$ 982,000	\$ 715,000	\$ -	\$ 5,722,000

	2019	2020	2021	2022	2023	Beyond 2024	Total
Operating Impact of Capital							
Annual Software Maintenance	\$ -	\$ 39,000	\$ -	\$ -	\$ -	\$ -	\$ 39,000

2019 CAPITAL PROJECT DETAILS

Project Title: Countryside Drainage Improvements Phase 2
Asset Class: Roads Infrastructure

Project Type: Recommended
Department: Infrastructure Capital Planning

Summary: The 2004 Algonquin Road Watershed Study produced a list of priority projects for stormwater control. Projects were proposed to be completed as development progressed to where they were required for development to continue. Development has reached a point where the Countryside drainage improvements including channel and dry pond are required. The work has been phased to meet the needs of development and offset costs to when they are required. The 2018 phase included the construction of the dry pond and some of the channel improvements. Phase 2 includes the remainder of the channel improvements and the installation of a box culvert at the future Greenvalley Road extension.

	2019	2020	2021	2022	2023	Beyond 2024	Total
Expenses	\$ 75,000	\$ 1,200,000	\$ -	\$ -	\$ -	\$ -	\$ 1,275,000
Funding	2019	2020	2021	2022	2023	Beyond 2024	Total
Annual Contribution to Capital	\$ 48,192	\$ 771,071	\$ -	\$ -	\$ -	\$ -	\$ 819,263
Obligatory Reserves	\$ 26,808	\$ 428,929	\$ -	\$ -	\$ -	\$ -	\$ 455,737
Total	\$ 75,000	\$ 1,200,000	\$ -	\$ -	\$ -	\$ -	\$ 1,275,000
Operating Impact of Capital	2019	2020	2021	2022	2023	Beyond 2024	Total
	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Project Title: McNaughton Terrace Treatment Facility
Asset Class: Roads Infrastructure

Project Type: Recommended
Department: Infrastructure Capital Planning

Summary: The Ramsey Lake Subwatershed Study and Stormwater Master Plan identified several projects to enhance the quality of stormwater reaching Ramsey Lake where none exists today. The first priority project is the design and construction of a stormwater management facility at McNaughton Terrace.

	2019	2020	2021	2022	2023	Beyond 2024	Total
Expenses	\$ 350,000	\$ 2,500,000	\$ -	\$ -	\$ -	\$ -	\$ 2,850,000
Funding	2019	2020	2021	2022	2023	Beyond 2024	Total
Annual Contribution to Capital	\$ 350,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 350,000
Recoveries Green Municipal Fund	\$ -	\$ 375,000	\$ -	\$ -	\$ -	\$ -	\$ 375,000
Debt	\$ -	\$ 2,125,000	\$ -	\$ -	\$ -	\$ -	\$ 2,125,000
Total	\$ 350,000	\$ 2,500,000	\$ -	\$ -	\$ -	\$ -	\$ 2,850,000
Operating Impact of Capital	2019	2020	2021	2022	2023	Beyond 2024	Total
	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

2019 CAPITAL PROJECT DETAILS

Project Title: Minnow Lake Stormwater Treatment Station
Asset Class: Roads Infrastructure

Project Type: Previously Approved
Department: Infrastructure Capital Planning

Summary: Represents funds previously approved by Council toward the Minnow Lake Stormwater Treatment Station that is substantially complete. The term of this additional funding commitment was for 2018 and 2019.

	2019	2020	2021	2022	2023	Beyond 2024	Total
Expenses	\$ 300,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 300,000

	2019	2020	2021	2022	2023	Beyond 2024	Total
Funding							
Annual Contribution to Capital	\$ 300,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 300,000
Total	\$ 300,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 300,000

	2019	2020	2021	2022	2023	Beyond 2024	Total
Operating Impact of Capital	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Project Title: Mountain Street Storm Outlet
Asset Class: Roads Infrastructure

Project Type: Previously Approved
Department: Infrastructure Capital Planning

Summary: Represents funds previously approved by Council toward the construction of the Mountain Street Storm Outlet project that is in progress. The term of this funding commitment is from years 2015 through to 2019.

	2019	2020	2021	2022	2023	Beyond 2024	Total
Expenses	\$ 400,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 400,000

	2019	2020	2021	2022	2023	Beyond 2024	Total
Funding							
Annual Contribution to Capital	\$ 400,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 400,000
Total	\$ 400,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 400,000

	2019	2020	2021	2022	2023	Beyond 2024	Total
Operating Impact of Capital	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

2019 CAPITAL PROJECT DETAILS

Project Title: Stormsewer Closed-Circuit Television Program
Asset Class: Roads Infrastructure

Project Type: Recommended
Department: Infrastructure Capital Planning

Summary: The Stormwater Asset Management Plan identified many assets at risk based on probability/consequence of failure and identified many assets beyond their projected life cycle. This project would utilize existing service contracts to inspect the condition of these assets to assist in prioritizing capital needs and focus capital re-investments where most required. The program will provide a conditional and operational assessment of approximately 5 % of the City's stormsewer assets annually.

	2019	2020	2021	2022	2023	Beyond 2024	Total
Expenses	\$ 200,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 200,000
Funding							
Annual Contribution to Capital	\$ 200,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 200,000
Total	\$ 200,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 200,000
Operating Impact of Capital	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Project Title: Stormsewer Rehabilitation
Asset Class: Roads Infrastructure

Project Type: Recommended
Department: Infrastructure Capital Planning

Summary: Many stormsewer assets are at or past their life cycle, this project provides a cost effective method to extend the life of some of these assets through the use of trenchless technology. This project will help lead to sustainable infrastructure and protection of people, property and the environment. Stormsewer for rehabilitation include:

- Charrette Street and Main Street West in Chelmsford
- Adie Street
- Easements from College Street to Bloor Street
- Segments on Falconbridge Road

	2019	2020	2021	2022	2023	Beyond 2024	Total
Expenses	\$ 300,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 300,000
Funding							
Annual Contribution to Capital	\$ 300,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 300,000
Total	\$ 300,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 300,000
Operating Impact of Capital	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

2019 CAPITAL PROJECT DETAILS

Project Title: Stormwater Compliance
Asset Class: Roads Infrastructure

Project Type: Recommended
Department: Infrastructure Capital Planning

Summary: This project covers costs for regulatory inspection, sampling, and reporting for stormwater management facilities and required maintenance resulting from inspections and/or sampling as mandated in the Ministry of the Environment, Conservation and Parks (MOECP) Environmental Compliance Approvals. These facilities include treatment facilities on Nepahwin Lake, Ramsey Lake, Minnow Lake and various stormwater ponds the City has come to be responsible for through development.

	2019	2020	2021	2022	2023	Beyond 2024	Total
Expenses	\$ 150,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 150,000

Funding	2019	2020	2021	2022	2023	Beyond 2024	Total
Annual Contribution to Capital	\$ 150,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 150,000
Total	\$ 150,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 150,000

	2019	2020	2021	2022	2023	Beyond 2024	Total
Operating Impact of Capital	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Project Title: Stormwater Sustainable Funding Study
Asset Class: Roads Infrastructure

Project Type: Recommended
Department: Infrastructure Capital Planning

Summary: The recently completed draft stormwater asset management plan summarizes existing stormwater assets, operations and maintenance activities and provides a comparison of capital reinvestment against best practices from across Canada. Based on those best practices, an operations and maintenance plan and capital investment plan have been established with costs. To meet the City's asset management goals, the recommendations of the subwatershed studies and the requirements of O. Reg 588/17: Asset Management Planning for Municipal Infrastructure, Council must define the level of service the City will deliver and establish an sustainable funding strategy. These goals will be accomplished through this study.

	2019	2020	2021	2022	2023	Beyond 2024	Total
Expenses	\$ 250,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 250,000

Funding	2019	2020	2021	2022	2023	Beyond 2024	Total
Annual Contribution to Capital	\$ 250,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 250,000
Total	\$ 250,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 250,000

	2019	2020	2021	2022	2023	Beyond 2024	Total
Operating Impact of Capital	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

2019 CAPITAL PROJECT DETAILS

Project Title: Subwatershed Planning
Asset Class: Roads Infrastructure

Project Type: Previously Approved
Department: Infrastructure Capital Planning

Summary: Represents funds previously committed by Council of \$250,000 per year (beginning in 2015) to support subwatershed planning. A subwatershed is an area of land divided by natural features, where all water naturally drains to a particular watercourse or body of water. In Greater Sudbury, some of the significant subwatersheds are Ramsey Lake, Junction Creek, Whitson River, Wahnapiatae River, Onaping River, Whitewater Lake and Panache Lake.

	2019	2020	2021	2022	2023	Beyond 2024	Total
Expenses	\$ 250,000	\$ 250,000	\$ 250,000	\$ 250,000	\$ 250,000	\$ 250,000	\$ 1,500,000
Funding							
Annual Contribution to Capital	\$ 250,000	\$ 250,000	\$ 250,000	\$ 250,000	\$ 250,000	\$ 250,000	\$ 1,500,000
Total	\$ 250,000	\$ 250,000	\$ 250,000	\$ 250,000	\$ 250,000	\$ 250,000	\$ 1,500,000
Operating Impact of Capital	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Project Title: Azilda Landfill - Stage 1 Final Cover
Asset Class: Landfill Improvements

Project Type: Recommended
Department: Environmental Services

Summary: Ministry of Environment, Conservation and Parks (MOECP) has approved a progressive final cover placement program throughout development of the landfill site, as a condition of Environmental Compliance Approval (ECA) for the site. Low permeability final cover is used for a natural attenuation landfill where reduce rate of infiltration and leachate generation is desired. Design for final cover for Stage One of the Azilda landfill site has been completed. The final cover will be constructed with a 150 mm bedding layer, a geosynthetic clay liner (GCL), 150 mm drainage layer, 450 mm protective layer and 150 mm vegetated top soil. Wind-driven rotary turbines will be provided to vent-off landfill gases and GCL lined perimeter ditch will be provided to control surface run-off.

	2019	2020	2021	2022	2023	Beyond 2024	Total
Expenses	\$ 1,000,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,000,000
Funding							
Annual Contribution to Capital	\$ 1,000,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,000,000
Total	\$ 1,000,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,000,000
Operating Impact of Capital	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

2019 CAPITAL PROJECT DETAILS

Project Title: Hanmer Landfill - Compost Pad Construction
Asset Class: Landfill Improvements

Project Type: Recommended
Department: Environmental Services

Summary: The Ministry of Environment, Conservation and Parks (MOECP) has approved leaf and yard compost processing at the Hanmer landfill site. The current receiving and processing pad is on a native sandy surface that requires grading and a stabilized platform to support machinery movement, proper storm water and leachate management. A proper receiving and processing pad is required in accordance with the Environmental Compliance Approval. The project will include: hiring a consultant for design, tender administration, contract administration and as-built report; and contractors for construction of the pad as per approved design and drawings.

	2019	2020	2021	2022	2023	Beyond 2024	Total
Expenses	\$ 564,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 564,000
Funding							
Annual Contribution to Capital	\$ 564,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 564,000
Total	\$ 564,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 564,000
Operating Impact of Capital	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Project Title: Recycling Center - Tipping Floor Replacement
Asset Class: Facilities

Project Type: Recommended
Department: Environmental Services

Summary: The Recycling Centre is vital infrastructure and its operation is critical to meeting waste collection and diversion services approved by Council and legislated in the Waste Diversion Act. Approximately 12,000 square feet of the Recycling Centre concrete floor has degraded and exposed the rebar and is causing safety concerns. In order to continue the recycling processing operation at this facility, the deteriorated parts of the floor must be replaced. A structural consulting engineer has inspected the floor and will be performing section tests to assess the ability of the pre-engineered building to withstand removal of the floor. The results of this test will allow a methodology for the replacement of larger sections of the floor without causing any damage to the building.

	2019	2020	2021	2022	2023	Beyond 2024	Total
Expenses	\$ 200,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 200,000
Funding							
Annual Contribution to Capital	\$ 200,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 200,000
Total	\$ 200,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 200,000
Operating Impact of Capital	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

2019 CAPITAL PROJECT DETAILS

Project Title: Sudbury Landfill - Leachate Treatment System
Asset Class: Landfill Improvements

Project Type: Recommended
Department: Environmental Services

Summary: Treatment of landfill leachate is a condition of Environmental Compliance Approval (ECA) for the site by the Ministry of Environment, Conservation and Parks (MOECP). The current leachate treatment system (LTS) includes a leachate equalization basin and three treatment cells using constructed wetland treatments system. The LTS requires an upgrade to handle the high hydraulic loading. If LTS is not upgraded, leachate may contaminate downgradient surface and ground water and eventually the site will be out of compliance. Current water monitoring program has shown migration of site-driven leachate indicator parameters. A review of current conditions by a consulting engineer has suggested major renovations in the system, which include dewatering the equalization basin and treatment cells; dredging and excavating buildups, and regrading the surface to maintain the required profile; replacing existing inlet and outlet pipes with proper clean outs at both ends; supply and placement of topsoil and wetland plants; supply and installation of a flow meter at the inlet, water level control structures and inlet and outlet structures with leachate bypass arrangements. Scope of work also includes improvement in the storm water management and modification in the drainage system to eliminate excessive surface water going to the LTS.

	2019	2020	2021	2022	2023	Beyond 2024	Total
Expenses	\$ 1,684,500	\$ 554,500	\$ -	\$ -	\$ -	\$ -	\$ 2,239,000
Funding							
Annual Contribution to Capital	\$ 1,684,500	\$ 554,500	\$ -	\$ -	\$ -	\$ -	\$ 2,239,000
Total	\$ 1,684,500	\$ 554,500	\$ -	\$ -	\$ -	\$ -	\$ 2,239,000
Operating Impact of Capital							
Incremental Cost	\$ -	\$ 35,000	\$ -	\$ -	\$ -	\$ -	\$ 35,000

2019 CAPITAL PROJECT DETAILS

Project Title: Survey and GPS Equipment
Asset Class: Equipment

Project Type: Recommended
Department: Planning and Development

Summary: The City's Surveys and Mapping section, is a control survey agency for the Province of Ontario. The section maintains a network of 10,000 control stations and benchmarks to provide a common spatial reference system throughout the 3,600 square kilometre municipality. In maintaining this network, the Survey and Mapping section currently uses a multistation that was purchased in 2003 and is at the end of its life cycle. The current station requires replacement and new technology is available to turn complex data into realistic and workable 3D models by combining all available measurement technologies in one instrument. The estimated cost of the unit is \$70,000 and the anticipated life cycle of the new instrument is 10 years.

	2019	2020	2021	2022	2023	Beyond 2024	Total
Expenses	\$ 70,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 70,000

	2019	2020	2021	2022	2023	Beyond 2024	Total
Funding							
Annual Contribution to Capital	\$ 70,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 70,000
Total	\$ 70,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 70,000

	2019	2020	2021	2022	2023	Beyond 2024	Total
Operating Impact of Capital	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Project Title: Housing Registry System Replacement
Asset Class: Equipment

Project Type: Recommended
Department: Housing Services

Summary: The project objective is to procure and implement a replacement of the current Housing Registry System. The current system (Lotus Notes) is built on obsolete technology and is operating at great risk of failure. The market offers significant improvements over the current system and will greatly improve staff efficiency and overall customer experience including an online portal for citizens and social housing providers. The replacement of the Housing Registry System is critical due to the high risk of failure as the current operating system is no longer supported. Housing Services is legislated to host a coordinated access social housing registry to manage households making application for subsidized housing.

	2019	2020	2021	2022	2023	Beyond 2024	Total
Expenses	\$ 61,750	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 61,750

	2019	2020	2021	2022	2023	Beyond 2024	Total
Funding							
Annual Contribution to Capital	\$ 61,750	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 61,750
Total	\$ 61,750	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 61,750

	2019	2020	2021	2022	2023	Beyond 2024	Total
Operating Impact of Capital	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

2019 CAPITAL PROJECT DETAILS

Project Title: Boiler Replacement and Isolation Valves
Asset Class: Facilities

Project Type: Recommended
Department: Long-Term Care - Senior Services

Summary: Pioneer Manor currently has seven boilers (three small one-stage boilers; two large two-stage boilers; and two large four-stage boilers) for 15 stages of boiler production. The heating system and domestic hot water system is produced by this boiler system for the majority of the home. The Ministry of Health and Long-Term Care (MOHLTC) have requirements for both the heating level (22 C) and the domestic hot water (DHW) temperatures (40 C to 49 C). Failure to achieve these requirements is a violation and a compliance issue. Three boilers are at end of life expectancy (installed in 2002 with an 18 to 20 year life) at a value of \$20,000 each and two are 16 years old and will be nearing end of life in next two years as life expectancy is 18 years cost is \$75,000 each. One of the current small boilers is offline and in need of repairs. At same time, there is a need to install isolation valves as there are currently none on the system. This involves installing a drain valve as well. Currently hot water generated by the boiler is circulated in the heating pipes during the summer as there is no isolation valves in place causing an excess load on the cooling in section of the building as well as increase in demand on boilers to maintain the DHW at the Ministry regulated temperature range. While the system is down overnight, it makes sense to conduct all repairs and installation of new isolation valves and drain valves so that in the future a repair required to one system does not affect the other system.

	2019	2020	2021	2022	2023	Beyond 2024	Total
Expenses	\$ 30,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 30,000
Funding							
Annual Contribution to Capital	\$ 30,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 30,000
Total	\$ 30,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 30,000
Operating Impact of Capital	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Project Title: Therapeutic Tubs
Asset Class: Equipment

Project Type: Recommended
Department: Long-Term Care - Senior Services

Summary: Pioneer Manor, as part of a capital asset management plan, is requesting bathtub replacements of two per year. There are currently 11 tubs out of 24 that are due to be replaced as they are at or past their life expectancy of 12 to 15 years. Repairs are becoming more frequent and parts are sometimes difficult to obtain due to older tubs being obsolete.

	2019	2020	2021	2022	2023	Beyond 2024	Total
Expenses	\$ 62,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 62,000
Funding							
Annual Contribution to Capital	\$ 62,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 62,000
Total	\$ 62,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 62,000
Operating Impact of Capital	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

2019 CAPITAL PROJECT DETAILS

Project Title: Tub Lifts
Asset Class: Equipment

Project Type: Recommended
Department: Long-Term Care - Senior Services

Summary: Pioneer Manor, as part of a capital asset management plan, is requesting the replacement of three tub chair lifts per year. There are currently 10 out of 24 tub chair lifts due to be replaced as they are at or past their life expectancy of 10 years. Repairs are becoming more frequent and parts are sometimes difficult or slow to receive.

	2019	2020	2021	2022	2023	Beyond 2024	Total
Expenses	\$ 36,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 36,000
Funding							
Annual Contribution to Capital	\$ 36,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 36,000
Total	\$ 36,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 36,000
Operating Impact of Capital	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Project Title: Anderson Farm Museum Repairs
Asset Class: Facilities

Project Type: Recommended
Department: Children and Citizen Services

Summary: Anderson Farm Museum was the site of one of the largest dairies in the Sudbury area during the 1920s and 1930s. Today, the site has been developed to preserve the rich history of the surrounding community. In 2017, the museum had 16,359 visitors and currently holds partnerships with the Northern Ontario Agri-Food and Marketing and the Anderson Farm Museum Historical Society. Three major events are held each fall including the Fall Fair, Creighton Mine Reunion and the Sudbury District Children's Water Festival. Other events include the Christmas Tree Lighting Festival and Rock the Farm. This funding is required to address the various capital repairs required to comply with legislative requests as well as repair various areas/items identified throughout the site which will adhere to fire and general code compliance.

	2019	2020	2021	2022	2023	Beyond 2024	Total
Expenses	\$ 425,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 425,000
Funding							
Annual Contribution to Capital	\$ 425,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 425,000
Total	\$ 425,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 425,000
Operating Impact of Capital	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

2019 CAPITAL PROJECT DETAILS

Project Title: Civic Cemetery Mausoleum Building Improvements
Asset Class: Facilities

Project Type: Recommended
Department: Children and Citizen Services

Summary: Civic Cemetery Mausoleum building envelope components have failed and need replacement. The roof is leaking, and exterior insulation and finish system are compromised by water penetration. An in depth investigation is required to determine the extent of water damage. The roof is in need of replacement due to the poor design for drainage and repairs. The systems have suffered serious blistering that carries a high risk of penetrations, that may lead to extensive water leaks into the facility. The shingled roof has leakage in areas where the angled portions meet.

	2019	2020	2021	2022	2023	Beyond 2024	Total
Expenses	\$ 450,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 450,000

Funding	2019	2020	2021	2022	2023	Beyond 2024	Total
Annual Contribution to Capital	\$ 450,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 450,000
Total	\$ 450,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 450,000

	2019	2020	2021	2022	2023	Beyond 2024	Total
Operating Impact of Capital	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Project Title: Civic Mausoleum Phase 5
Asset Class: Facilities

Project Type: Previously Approved
Department: Children and Citizen Services

Summary: Represents funds previously approved by Council toward the construction of Phase 5 of the Mausoleum at Civic Cemetery. The term of the funding commitment is from years 2013 through to 2022.

	2019	2020	2021	2022	2023	Beyond 2024	Total
Expenses	45,000	45,000	45,000	45,000	\$ -	\$ -	\$ 180,000

Funding	2019	2020	2021	2022	2023	Beyond 2024	Total
Annual Contribution to Capital	\$ 45,000	\$ 45,000	\$ 45,000	\$ 45,000	\$ -	\$ -	\$ 180,000
Total	\$ 45,000	\$ 45,000	\$ 45,000	\$ 45,000	\$ -	\$ -	\$ 180,000

	2019	2020	2021	2022	2023	Beyond 2024	Total
Operating Impact of Capital	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

2019 CAPITAL PROJECT DETAILS

Project Title: Flour Mill Museum Office Building
Asset Class: Facilities

Project Type: Recommended
Department: Children and Citizen Services

Summary: The Flour Mill Museum is being relocated due to the Wastewater capital project for the St. Charles Lift Station. The Flour Mill Museum office building serves as a workspace for museum staff, a storage area for museum artifacts as well as the common area for citizens and visitors. The office building is not a heritage structure and was originally constructed to mirror the existing buildings of the Flour Mill Museum. The current office building is in need of repairs that exceed the cost of a rebuild and currently does not have proper HVAC system to preserve artifacts. With this capital project, the Flour Mill Museum office building will be built more efficiently with a better functionality and storage capabilities.

	2019	2020	2021	2022	2023	Beyond 2024	Total
Expenses	\$ 250,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 250,000
Funding							
Annual Contribution to Capital	\$ 250,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 250,000
Total	\$ 250,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 250,000
Operating Impact of Capital	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Project Title: New Sudbury Public Library Walkway
Asset Class: Land Improvements

Project Type: Recommended
Department: Children and Citizen Services

Summary: The New Sudbury Public Library is one of the busiest library locations in the City of Greater Sudbury. The existing cement walkway and curb for entrance into the library has deteriorated. As a result of the deterioration, repairing is not feasible and will require a full replacement of the exterior walkways and related concrete work.

	2019	2020	2021	2022	2023	Beyond 2024	Total
Expenses	\$ 50,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 50,000
Funding							
Annual Contribution to Capital	\$ 50,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 50,000
Total	\$ 50,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 50,000
Operating Impact of Capital	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

2019 CAPITAL PROJECT DETAILS

Project Title: South Branch Library
Asset Class: Facilities

Project Type: Previously Approved
Department: Children and Citizen Services

Summary: Represents funds previously approved by Council spent on the construction of the South Branch Library. The term of the funding commitment is from years 2012 through to 2031.

	2019	2020	2021	2022	2023	Beyond 2024	Total
Expenses	278,000	278,000	278,000	278,000	278,000	2,224,000	\$ 3,614,000
Funding							
Annual Contribution to Capital	\$ 163,000	\$ 163,000	\$ 163,000	\$ 163,000	\$ 163,000	\$ 1,304,000	\$ 2,119,000
Development Charges	\$ 115,000	\$ 115,000	\$ 115,000	\$ 115,000	\$ 115,000	920,000	\$ 1,495,000
Total	\$ 278,000	\$ 278,000	\$ 278,000	\$ 278,000	\$ 278,000	\$ 2,224,000	\$ 3,614,000
Operating Impact of Capital	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Project Title: Ammonia Refrigeration Audits for Arenas
Asset Class: Facilities

Project Type: Recommended
Department: Leisure Services

Summary: On October 16, 2017 three individuals (two municipal employees and a contractor) died in Fernie, B.C. after an incident with the arena's ammonia refrigeration system. Technical Safety BC recently released their Investigation Report of the incident. The report includes a number of recommendations for local governments and arena owners. The Ontario Recreation Facilities Association (ORFA) has circulated the report and it is anticipated that a number of the recommendations will become legislative requirements in Ontario in the near future. To ensure that the City's ammonia refrigeration systems at 14 arenas are fully compliant and that staff and contractors are prepared for emergency situations, it is recommended that independent audits are completed. A level one audit per facility is estimated at \$8,500, with a 15% price discount expected if multiple arenas are audited.

	2019	2020	2021	2022	2023	Beyond 2024	Total
Expenses	\$ 115,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 115,000
Funding							
Annual Contribution to Capital	\$ 115,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 115,000
Total	\$ 115,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 115,000
Operating Impact of Capital	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

2019 CAPITAL PROJECT DETAILS

Project Title: Dowling Leisure Centre Roof
Asset Class: Facilities

Project Type: Recommended
Department: Leisure Services

Summary: The Dowling Leisure Centre and Citizen Service Centre building envelope is in poor to severe condition and needs refurbishment. The metal roof is original, and the required updates include new roofing, windows and doors as well as façade/siding. Water leakage into the facility is an ongoing issue with every rainfall and thaw. There is a high risk of further deterioration of the exterior wall system.

	2019	2020	2021	2022	2023	Beyond 2024	Total
Expenses	\$ 1,000,000	\$ 250,000	\$ -	\$ -	\$ -	\$ -	\$ 1,250,000

Funding	2019	2020	2021	2022	2023	Beyond 2024	Total
Annual Contribution to Capital	\$ 1,000,000	\$ 250,000	\$ -	\$ -	\$ -	\$ -	\$ 1,250,000
Total	\$ 1,000,000	\$ 250,000	\$ -	\$ -	\$ -	\$ -	\$ 1,250,000

	2019	2020	2021	2022	2023	Beyond 2024	Total
Operating Impact of Capital	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Project Title: Field Turf at Terry Fox Baseball Field
Asset Class: Land Improvements

Project Type: Recommended
Department: Leisure Services

Summary: Earlier in 2018, the Fabio Belli Foundation was successful in obtaining funding through the Jays Care Foundation toward the installation of artificial turf on the infield of field #1 at the Terry Fox Sports Complex. The artificial surface would allow for an extended playing season, safer playing conditions and allow for those with accessibility issues to participate. The Foundation has also obtained the donation of used field turf from the Rogers Centre.

	2019	2020	2021	2022	2023	Beyond 2024	Total
Expenses	\$ 225,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 225,000

Funding	2019	2020	2021	2022	2023	Beyond 2024	Total
Annual Contribution to Capital	\$ 75,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 75,000
Recoveries Fabio Belli Foundation	\$ 150,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 150,000
Total	\$ 225,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 225,000

	2019	2020	2021	2022	2023	Beyond 2024	Total
Operating Impact of Capital	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

2019 CAPITAL PROJECT DETAILS

Project Title: Gerry McCrory Countryside Arena
Asset Class: Facilities

Project Type: Previously Approved
Department: Leisure Services

Summary: Represents funds previously approved by Council toward the construction of the second ice pad at Gerry McCrory Countryside Arena that has already been constructed. The term of the funding commitment is from years 2011 through to 2035.

	2019	2020	2021	2022	2023	Beyond 2024	Total
Expenses	\$ 404,732	\$ 404,732	\$ 404,732	\$ 404,732	\$ 404,732	\$ 4,856,784	\$ 6,880,444
Funding	2019	2020	2021	2022	2023	Beyond 2024	Total
Annual Contribution to Capital	\$ 294,732	\$ 294,732	\$ 294,732	\$ 294,732	\$ 294,732	\$ 3,536,784	\$ 5,010,444
Development Charges	\$ 110,000	\$ 110,000	\$ 110,000	\$ 110,000	\$ 110,000	1,320,000	\$ 1,870,000
Total	\$ 404,732	\$ 404,732	\$ 404,732	\$ 404,732	\$ 404,732	\$ 4,856,784	\$ 6,880,444
Operating Impact of Capital	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Project Title: HARC - Roof, HVAC, Doors, Windows
Asset Class: Facilities

Project Type: Recommended
Department: Leisure Services

Summary: Howard Armstrong Recreation Centre was constructed in 1983, and has not had any major HVAC, roof, windows and doors, repairs and/or refurbishment to the track side systems. This budget request is for the roof and HVAC replacements. Further review and updates are required for the roofing systems due to age and deteriorating condition. The facility has several roofs and a consultant review of the roofs was performed utilizing infrared scanning that revealed the roofs are saturated with water. It was determined that no patching mitigation can be provided, and a full roof replacement is necessary. The track-side HVAC system is past life and requires replacement as many components are significantly degraded.

	2019	2020	2021	2022	2023	Beyond 2024	Total
Expenses	\$ 1,500,000	\$ 750,000	\$ -	\$ -	\$ -	\$ -	\$ 2,250,000
Funding	2019	2020	2021	2022	2023	Beyond 2024	Total
Annual Contribution to Capital	\$ 1,500,000	\$ 750,000	\$ -	\$ -	\$ -	\$ -	\$ 2,250,000
Total	\$ 1,500,000	\$ 750,000	\$ -	\$ -	\$ -	\$ -	\$ 2,250,000
Operating Impact of Capital	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

2019 CAPITAL PROJECT DETAILS

Project Title: Oil Separators Replacement - Various Arenas
Asset Class: Facilities

Project Type: Recommended
Department: Leisure Services

Summary: Oil separators are an integral component of the arena ice plant refrigeration system. Manufacturer recommendation to replace this unit is after 10 years. The City's refrigeration maintenance contractor has conducted an audit of facilities and is recommending the replacement of 16 oil separators at various facilities: Failure to replace units could potentially lead to damage to more expensive equipment (compressors), down time at facilities and the potential for health and safety issues (ammonia discharge).

	2019	2020	2021	2022	2023	Beyond 2024	Total
Expenses	\$ 88,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 88,000

	2019	2020	2021	2022	2023	Beyond 2024	Total
Funding							
Annual Contribution to Capital	\$ 88,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 88,000
Total	\$ 88,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 88,000

	2019	2020	2021	2022	2023	Beyond 2024	Total
Operating Impact of Capital	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Project Title: Ride On Lawn Equipment
Asset Class: Equipment

Project Type: Recommended
Department: Leisure Services

Summary: Additional ride on mower required is to meet grass cutting service levels. The ride on mower will be used at parks city wide.

	2019	2020	2021	2022	2023	Beyond 2024	Total
Expenses	\$ 30,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 30,000

	2019	2020	2021	2022	2023	Beyond 2024	Total
Funding							
Capital Reserves Parks Equipment	\$ 30,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 30,000
Total	\$ 30,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 30,000

	2019	2020	2021	2022	2023	Beyond 2024	Total
Operating Impact of Capital	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

2019 CAPITAL PROJECT DETAILS

Project Title: St. Joseph's Parking Lot Redevelopment Phase 2
Asset Class: Land Improvements

Project Type: Recommended
Department: Leisure Services

Summary: Reports to City Council in 2014 and 2015 identified a phased-in approach and cost estimate for the redevelopment of the former St. Joseph's parking lot. Cost estimates to complete the entire project were \$7M to \$10.9M. Work would include regreening, accessibility upgrades, lookouts, storm water improvements and connections to the boardwalk. Council approved funding in the amount of \$950K for Phase 1 of the project which was to include regreening of the site and stated that future phases of completing the vision of the area be funded through anticipated revenues from parkland dedication from the redevelopment of the former St. Joseph's Hospital, future capital contributors and/or government grant funding. The initial phase is now complete. With this phase complete, it is noted that the redeveloped area still requires additional work and amenities that were originally part of the park's vision. These items include a transit bus lay by, park signage, completion of bike path, repairs to the existing retaining walls, park furniture (benches, shade, bike racks), gardens and irrigation.

	2019	2020	2021	2022	2023	Beyond 2024	Total
Expenses	\$ 446,000	\$ 819,000	\$ -	\$ -	\$ -	\$ -	\$ 1,265,000
Funding							
Annual Contribution to Capital	\$ 256,200	\$ 819,000	\$ -	\$ -	\$ -	\$ -	\$ 1,075,200
Federal Grant PTIF	\$ 130,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 130,000
Provincial Grant PTIF	\$ 59,800	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 59,800
Total	\$ 446,000	\$ 819,000	\$ -	\$ -	\$ -	\$ -	\$ 1,265,000
Operating Impact of Capital	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Project Title: Security Upgrades - Municipal Pools
Asset Class: Facilities

Project Type: Recommended
Department: Leisure Services

Summary: In 2017, the City's Threat Response Team reviewed security at Nickel District Pool in response to an incident involving an employee. A number of recommendations were made related to improving employee safety, specifically the installation of video surveillance systems. It was recommended that surveillance systems be installed at public space pools where staff work alone (or in pairs) and where staff would benefit from the ability to see the external area before departing facilities. Surveillance cameras would also better support follow up investigations where there are claims made by staff or patrons. It is recommended that surveillance systems be installed at Nickel District, RG Dow and Gatchell pools as they are isolated facilities where staff are working alone or in pairs. Estimate of \$15,000 per site based on recent installations at other leisure facilities.

	2019	2020	2021	2022	2023	Beyond 2024	Total
Expenses	\$ 45,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 45,000
Funding							
Annual Contribution to Capital	\$ 45,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 45,000
Total	\$ 45,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 45,000
Operating Impact of Capital	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

2019 CAPITAL PROJECT DETAILS

Project Title: Terry Fox Sports Complex Parking Lot
Asset Class: Land Improvements

Project Type: Recommended
Department: Leisure Services

Summary: Terry Fox Sports Complex is the City's premier baseball complex, home of the Sudbury Minor Baseball Association and Laurentian University varsity baseball. The parking lot servicing the Terry Fox Sports Complex requires significant repairs. There are numerous humps, bubbles and undulations in the parking lot. Engineering Services has conducted a field visit and provided recommendations for reinstatement. Full reinstatement of the parking lot is estimated at \$344,200 while reinstatement of the critical areas only is estimated at \$157,100. College Boreal has an occupation agreement for the use of the parking lot, which states that the City and College Boreal will equally share the cost of repairs and maintenance of the lot.

	2019	2020	2021	2022	2023	Beyond 2024	Total
Expenses	\$ 344,200	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 344,200
Funding							
Annual Contribution to Capital	\$ 172,100	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 172,100
Recoveries College Boreal	\$ 172,100	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 172,100
Total	\$ 344,200	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 344,200
Operating Impact of Capital	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Project Title: Trimmer
Asset Class: Equipment

Project Type: Recommended
Department: Leisure Services

Summary: Additional trimmers are required to meet grass cutting service levels. The equipment will be used at parks city wide and is funded through Parks Equipment Capital Reserves.

	2019	2020	2021	2022	2023	Beyond 2024	Total
Expenses	\$ 10,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 10,000
Funding							
Capital Reserves Parks Equipment	\$ 10,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 10,000
Total	\$ 10,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 10,000
Operating Impact of Capital	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

2019 CAPITAL PROJECT DETAILS

Project Title: Utility Tractor
Asset Class: Equipment

Project Type: Recommended
Department: Leisure Services

Summary: A utility tractor is required to support various Parks Services operations (grading, loading, digging, etc.) The utility tractor will be deployed at the Lively Parks Depot.

	2019	2020	2021	2022	2023	Beyond 2024	Total
Expenses	\$ 90,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 90,000
Funding							
Capital Reserves Parks Equipment	\$ 90,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 90,000
Total	\$ 90,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 90,000
Operating Impact of Capital	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Project Title: Healthy Community Initiatives
Asset Class: Land Improvements

Project Type: Previously Approved
Department: Healthy Communities Initiatives

Summary: Represents funds previously approved by Council toward the Healthy Community Initiatives (HCI) Fund. These funds are used toward grants to various organizations and contributions to City capital assets as per the HCI Policy. The original amount was \$600,000, however, as part of the 2018 Budget, City Council approved \$2.3 million from future HCI funds (or \$150,000 annually from years 2018 to 2039) toward the Playground Revitalization project, which is currently underway as shown on the next page.

	2019	2020	2021	2022	2023	Beyond 2024	Total
Expenses	\$ 450,000	\$ 450,000	\$ 450,000	\$ 450,000	\$ 450,000	\$ 450,000	\$ 2,700,000
Funding							
Annual Contribution to Capital	\$ 450,000	\$ 450,000	\$ 450,000	\$ 450,000	\$ 450,000	\$ 450,000	\$ 2,700,000
Total	\$ 450,000	\$ 450,000	\$ 450,000	\$ 450,000	\$ 450,000	\$ 450,000	\$ 2,700,000
Operating Impact of Capital	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

2019 CAPITAL PROJECT DETAILS

Project Title: Playground Revitalization
Asset Class: Land Improvements

Project Type: Previously Approved
Department: Healthy Communities Initiatives

Summary: As part of the 2018 Budget, City Council approved \$2.3 million from future HCI funds (or \$150,000 annually from years 2018 to 2039 plus interest) toward the Playground Revitalization project, which is currently underway.

	2019	2020	2021	2022	2023	Beyond 2024	Total
Expenses	\$ 150,000	\$ 150,000	\$ 150,000	\$ 150,000	\$ 150,000	\$ 2,328,393	\$ 3,078,393
Funding							
Annual Contribution to Capital	\$ 150,000	\$ 150,000	\$ 150,000	\$ 150,000	\$ 150,000	\$ 2,328,393	\$ 3,078,393
Total	\$ 150,000	\$ 150,000	\$ 150,000	\$ 150,000	\$ 150,000	\$ 2,328,393	\$ 3,078,393
Operating Impact of Capital	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Project Title: Various Transit Related Studies for PTIF Phase 2
Asset Class: Equipment

Project Type: Recommended
Department: Transit Services

Summary: The estimated costs of consultants and staff require to complete studies is approximately \$1 million. The City's share of expenses are 27 % or \$270,000. Whether the City's share of funding for this project can be funded from Provincial Gas Tax is unknown at this time. Additional PTIF details will be available in 2019. The 2019 funding is for conceptual design for Bus Rapid Transit systems and to determine possible locations for major mobility hubs and the potential relocation of the downtown terminal. Detailed design and engineering studies would follow the completion of conceptual design and carryover into 2020. Other initiatives related to transit infrastructure growth and/or improvements are subject to the terms and conditions set forth by the province.

	2019	2020	2021	2022	2023	Beyond 2024	Total
Expenses	\$ 500,000	\$ 500,000	\$ -	\$ -	\$ -	\$ -	\$ 1,000,000
Funding							
Annual Contribution to Capital	\$ 135,000	\$ 135,000	\$ -	\$ -	\$ -	\$ -	\$ 270,000
Federal Grant PTIF	\$ 250,000	\$ 250,000	\$ -	\$ -	\$ -	\$ -	\$ 500,000
Provincial Grant PTIF	\$ 115,000	\$ 115,000	\$ -	\$ -	\$ -	\$ -	\$ 230,000
Total	\$ 500,000	\$ 500,000	\$ -	\$ -	\$ -	\$ -	\$ 1,000,000
Operating Impact of Capital	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

2019 CAPITAL PROJECT DETAILS

Project Title: Various PTIF Phase 1 - Transit Projects
Asset Class: Equipment

Project Type: Previously Approved
Department: Transit Services

Summary: Represents funds from Provincial Gas Tax previously approved by Council from the 2017 Capital Budget toward the completion of the various Transit related capital projects (which are part of the PTIF Phase 1 funding program) that includes the following:

- Garage Improvements to Lorne Street Facility
- Transit Buses
- Accelerated Rebuild Program Costs
- Terminal Improvements to Elm Street Facility
- Route Optimization Study
- AVL Modem Upgrade
- Scheduling Software Upgrade

		2019	2020	2021	2022	2023	Beyond 2024	Total
Expenses		\$ 747,626	\$ 747,626	\$ 747,626	\$ 747,626	\$ 747,626	\$ -	\$ 3,738,130
Funding		2019	2020	2021	2022	2023	Beyond 2024	Total
Provincial Grant	Gas Tax	\$ 747,626	\$ 747,626	\$ 747,626	\$ 747,626	\$ 747,626	\$ -	\$ 3,738,130
Total		\$ 747,626	\$ 747,626	\$ 747,626	\$ 747,626	\$ 747,626	\$ -	\$ 3,738,130
Operating Impact of Capital		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Project Title: Lionel E. Lalonde Centre Improvements
Asset Class: Facilities

Project Type: Previously Approved
Department: Emergency Management

Summary: Represents funds previously approved by Council that was spent on the building improvements at the Lionel E. Lalonde Centre in Azilda. The term of the funding commitment is from years 2007 to 2021.

		2019	2020	2021	2022	2023	Beyond 2024	Total
Expenses		431,233	431,233	431,233	\$ -	\$ -	\$ -	\$ 1,293,699
Funding		2019	2020	2021	2022	2023	Beyond 2024	Total
Annual Contribution to Capital		\$ 431,233	\$ 431,233	\$ 431,233	\$ -	\$ -	\$ -	\$ 1,293,699
Total		\$ 431,233	\$ 431,233	\$ 431,233	\$ -	\$ -	\$ -	\$ 1,293,699
Operating Impact of Capital		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

2019 CAPITAL PROJECT DETAILS

Project Title: Ambulances
Asset Class: Vehicles

Project Type: Recommended
Department: Paramedic Services

Summary: The purchase of three ambulances. Paramedic Services capital projects are funded from the Capital Financing Reserve Fund - Emergency Medical Services (EMS). 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.

	2019	2020	2021	2022	2023	Beyond 2024	Total
Expenses	\$ 510,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 510,000
Funding							
Capital Reserves EMS	\$ 510,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 510,000
Total	\$ 510,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 510,000
Operating Impact of Capital	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Project Title: Emergency Response Unit
Asset Class: Vehicles

Project Type: Recommended
Department: Paramedic Services

Summary: The purchase of two emergency response units. Paramedic Services capital projects are funded from the Capital Financing Reserve Fund - Emergency Medical Services (EMS). The City of Greater Sudbury and Ministry of Health and Long-Term Care each contribute 50 % funding to this reserve fund, which is used for capital projects.

	2019	2020	2021	2022	2023	Beyond 2024	Total
Expenses	\$ 166,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 166,000
Funding							
Capital Reserves EMS	\$ 166,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 166,000
Total	\$ 166,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 166,000
Operating Impact of Capital	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

2019 CAPITAL PROJECT DETAILS

Project Title: Medical Equipment
Asset Class: Equipment

Project Type: Recommended
Department: Paramedic Services

Summary: Medical Equipment includes items such as stretchers/loading systems, defibrillators, batteries and personal protective equipment. Paramedic Services capital projects are funded from the Capital Financing Reserve Fund - Emergency Medical Services (EMS). The City of Greater Sudbury and Ministry of Health and Long-Term Care each contribute 50 % funding to this reserve fund, which is used for capital projects.

	2019	2020	2021	2022	2023	Beyond 2024	Total
Expenses	\$ 50,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 50,000

Funding	2019	2020	2021	2022	2023	Beyond 2024	Total
Capital Reserves EMS	\$ 50,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 50,000
Total	\$ 50,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 50,000

	2019	2020	2021	2022	2023	Beyond 2024	Total
Operating Impact of Capital	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Project Title: Technology
Asset Class: Equipment

Project Type: Recommended
Department: Paramedic Services

Summary: Technology includes items such as toughbooks and software. Paramedic Services capital projects are funded from the Capital Financing Reserve Fund - Emergency Medical Services (EMS). The City of Greater Sudbury and Ministry of Health and Long-Term Care each contribute 50 % funding to this reserve fund, which is used for capital projects.

	2019	2020	2021	2022	2023	Beyond 2024	Total
Expenses	\$ 120,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 120,000

Funding	2019	2020	2021	2022	2023	Beyond 2024	Total
Capital Reserves EMS	\$ 120,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 120,000
Total	\$ 120,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 120,000

	2019	2020	2021	2022	2023	Beyond 2024	Total
Operating Impact of Capital	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

2019 CAPITAL PROJECT DETAILS

Project Title: Aerial Truck
Asset Class: Vehicles

Project Type: Previously Approved
Department: Fire Services

Summary: Represents funds previously approved by Council toward the purchase of an aerial truck. The term of the funding commitment is from 2018 to 2025.

	2019	2020	2021	2022	2023	Beyond 2024	Total
Expenses	173,797	173,797	173,797	173,797	173,797	347,594	\$ 1,216,579

Funding	2019	2020	2021	2022	2023	Beyond 2024	Total
Annual Contribution to Capital	\$ 173,797	\$ 173,797	\$ 173,797	\$ 173,797	\$ 173,797	\$ 347,594	\$ 1,216,579
Total	\$ 173,797	\$ 173,797	\$ 173,797	\$ 173,797	\$ 173,797	\$ 347,594	\$ 1,216,579

Operating Impact of Capital	2019	2020	2021	2022	2023	Beyond 2024	Total
	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Project Title: Auto Extrication Tool Replacement
Asset Class: Equipment

Project Type: Recommended
Department: Fire Services

Summary: The Greater Sudbury Fire Service operates with 13 stations having auto extrication capabilities. The expected lifespan of these tools is approximately 10 years. As part of the ongoing effort to standardize the equipment used in the service, all new replacement tools are Hurst eDRAULIC (cordless tools), and the old generation corded hydraulic tools are replaced by age and condition. To maintain this fleet of tools requires an annual purchase of one complete set of tools consisting of a spreader, cutter and ram. This replacement schedule will result in a 13 year lifespan for the equipment purchased. Currently, there are eight old generation corded hydraulic tools required to be replaced.

	2019	2020	2021	2022	2023	Beyond 2024	Total
Expenses	\$ 60,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 60,000

Funding	2019	2020	2021	2022	2023	Beyond 2024	Total
Annual Contribution to Capital	\$ 60,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 60,000
Total	\$ 60,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 60,000

Operating Impact of Capital	2019	2020	2021	2022	2023	Beyond 2024	Total
	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

2019 CAPITAL PROJECT DETAILS

Project Title: Bunker Gear Replacement
Asset Class: Equipment

Project Type: Recommended
Department: Fire Services

Summary: Greater Sudbury Fire Services employs 104 career firefighters and approximately 275 volunteer firefighters. Each of these firefighters requires bunker gear (personal protective equipment for their protection, and bunker gear has a regulated lifespan of 10 years. The Ministry of Labour has ordered in the City of St. Catharines that career firefighters require two sets of gear per firefighter, which presents a future risk for provincial regulation to enforce this best practice. Bunker gear has a useful life of 10 years as regulated by the Ministry of Labour. At this time, there is no requirement for two sets of bunker gear for volunteers, however a stockpile of spare gear is required to ensure employee health and safety, and continuity of operations. When a set of bunker gear is exposed in a fire, it is required to be sent for cleaning and the spare set is put into service until the original returns. Without this spare bunker gear, career and volunteer firefighters cannot respond to an incident. Based on these requirements, the annual replacement for bunker gear requires approximately 60 sets per year at \$2,500 per set to ensure that units are replaced after 10 years, and a sufficient stockpile exists.

	2019	2020	2021	2022	2023	Beyond 2024	Total
Expenses	\$ 150,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 150,000

	2019	2020	2021	2022	2023	Beyond 2024	Total
Funding							
Annual Contribution to Capital	\$ 150,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 150,000
Total	\$ 150,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 150,000

	2019	2020	2021	2022	2023	Beyond 2024	Total
Operating Impact of Capital	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

2019 CAPITAL PROJECT DETAILS

Project Title: Pumper Fire Engine Replacement
Asset Class: Vehicles

Project Type: Recommended
Department: Fire Services

Summary: The Greater Sudbury Fire Service operates a fleet of 16 fire engines as part of its fleet of 73 response vehicles. A fire engine is the primary response vehicle in the high response stations and includes the capabilities of a pumper vehicle, with auto extrication and technical rescue. To maintain this fleet with all vehicles under the critical age threshold of 20 years (as defined by the National Fire Protection Association and the Fire Underwriter's Survey) requires four new engines every five years. Consideration should be given to entering into a five year contract with a single vendor to satisfy these purchasing requirements. This arrangement is expected to help the department standardize its fleet and achieve the benefits of bulk costing over an extended purchase cycle.

	2019	2020	2021	2022	2023	Beyond 2024	Total
Expenses	\$ 650,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 650,000
Funding							
Annual Contribution to Capital	\$ 650,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 650,000
Total	\$ 650,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 650,000
Operating Impact of Capital	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Project Title: Rigid Hull Inflatable Boat (RHIB)
Asset Class: Vehicles

Project Type: Recommended
Department: Fire Services

Summary: The Greater Sudbury Fire Service operates four stations with water rescue craft. The largest of these is Marine 22, a rescue boat dedicated to Lake Wanapitei and stationed in Skead. The purchase of a new RHIB water craft would support response across the community to all bodies of water and provide a platform that is specifically designed for the safe delivery of water rescue operations in all conditions. Best practice research by staff has identified a RHIB as the appropriate vessel. This project would increase the Fire Services water rescue fleet by one additional boat.

	2019	2020	2021	2022	2023	Beyond 2024	Total
Expenses	\$ 250,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 250,000
Funding							
Annual Contribution to Capital	\$ 250,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 250,000
Total	\$ 250,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 250,000
Operating Impact of Capital	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

2019 CAPITAL PROJECT DETAILS

Project Title: Customer Relationship Management System
Asset Class: Equipment

Project Type: Recommended
Department: Information Technology

Summary: The City's current Customer Relationship Management (CRM) system, which was implemented over a decade ago, must be replaced because it is no longer being supported by its vendor. This foundational municipal system is used to track requests for municipal service and customer interactions for business units across the organization. Over 300 different types of service requests are reported through the CRM, and approximately 42,500 files are created in the CRM system every year.

With no vendor support for the City's current CRM system, the level of service being provided to citizens is at risk. The City also does not have the ability to implement municipal trends or best practices for customer service, such as self-service or the ability to request service through new access channels. Given changes in technology and trends in customer service in Canada, a new CRM has the potential to greatly improve the service that is provided to citizens.

In early 2018, a consultant was retained to conduct internal and external analysis, to determine optimal requirements for the City and to develop a full CRM Business Plan, which states that Customer service modernization is about leveraging information and communication technology to modernize how government delivers service and interacts with its customers. It is about new service delivery channels, breaking down silos between and within governments, new citizen engagement methods, and new service delivery standards. The CRM system is also a critical component of and underlying supporting structure for the implementation of the City's Customer Service Strategy for 2019 to 2022, which was approved by Council in November 2018.

This submission is for procurement, purchase and implementation of a new enterprise-wide CRM solution for the City. This project will require the recruitment of up to three full-time equivalent positions (full-time and part-time positions) and annual software maintenance when the new system is in service as estimated below in the Operating Impact of Capital. Specifically, the FTEs consist of 1 FTE (\$80,000) within Information Technology and 2 FTEs within Communications and Community Engagement (\$160,000) as 311 will be undertaking more first-level support and knowledgebase maintenance as a result of this project.

	2019	2020	2021	2022	2023	Beyond 2024	Total
Expenses	\$ 1,500,000	\$ 300,000	\$ -	\$ -	\$ -	\$ -	\$ 1,800,000
Funding	2019	2020	2021	2022	2023	Beyond 2024	Total
Annual Contribution to Capital	\$ 1,500,000	\$ 300,000	\$ -	\$ -	\$ -	\$ -	\$ 1,800,000
Total	\$ 1,500,000	\$ 300,000	\$ -	\$ -	\$ -	\$ -	\$ 1,800,000
Operating Impact of Capital	2019	2020	2021	2022	2023	Beyond 2024	Total
Annual Software Maintenance	\$ -	\$ 100,000	\$ -	\$ -	\$ -	\$ -	\$ 100,000
Salaries & Benefit: (up to 3 FTEs)	\$ -	\$ 240,000	\$ -	\$ -	\$ -	\$ -	\$ 240,000

2019 CAPITAL PROJECT DETAILS

Project Title: Land and Property Management System - Phase 1
Asset Class: Equipment

Project Type: Recommended
Department: Information Technology

Summary: The integrated Land and Property Management System (LPMS) will be a citywide, property centric system that provides a comprehensive history of all development, permitting, licensing, inspections, and by-law related activities for properties and land in the City. The system includes real time mobile tools for field staff, the integration of financial transactions to business processes, applicant access to tools to submit and track applications online, electronic plans review, and public access via the City's website to query the City's planning and development related records.

This recommendation covers implementation of the first phase of the project - which focuses upon building and planning processes. It also includes operating impact with the addition of one full-time equivalent and annual software costs once system in service/use.

Expenses	2019	2020	2021	2022	2023	Beyond 2024	Total
	\$ 333,844	\$ 1,986,278	\$ 1,279,878	\$ -	\$ -	\$ -	\$ 3,600,000
Funding	2019	2020	2021	2022	2023	Beyond 2024	Total
Annual Contribution to Capital	\$ 64,914	\$ 386,221	\$ 248,865	\$ -	\$ -	\$ -	\$ 700,000
Obligatory Reserves Building Permit Stabilization	\$ 268,930	\$ 1,600,057	\$ 1,031,013	\$ -	\$ -	\$ -	\$ 2,900,000
Total	\$ 333,844	\$ 1,986,278	\$ 1,279,878	\$ -	\$ -	\$ -	\$ 3,600,000
Operating Impact of Capital	2019	2020	2021	2022	2023	Beyond 2024	Total
Annual Software Maintenance	\$ -	\$ -	\$ 200,000	\$ -	\$ -	\$ -	\$ 200,000
Salaries & Benefit: (1 FTE)	\$ -	\$ -	\$ 105,400	\$ -	\$ -	\$ -	\$ 105,400

Project Title: Meeting Management Solution
Asset Class: Equipment

Project Type: Recommended
Department: Information Technology

Summary: Replace AgendasOnline with a modern meeting management system to deliver an enhanced experience for all (Council, citizens/public and staff). This recommendation is a direct response to dissatisfaction with the current system as expressed by members of Council, Executive and staff. The project will include:

- Mobile device support and other user interface / experience enhancement;
- Enhanced search ability of historic video and content;
- Enable a move to a fully paperless agenda process;
- Eliminate auxiliary SharePoint and spreadsheet managed processes;
- Meeting management functionality including electronic voting;
- Accessibility enhancements including the closed captioning of Council and Committee meeting videos. This will also result in a platform to enable close captioning of all City video content;
- Ongoing support for Clerks to configure and role out work-flow changes, responding to the evolving requirements of the organization.

Expenses	2019	2020	2021	2022	2023	Beyond 2024	Total
	\$ 10,000	\$ 256,050	\$ -	\$ -	\$ -	\$ -	\$ 266,050
Funding	2019	2020	2021	2022	2023	Beyond 2024	Total
Annual Contribution to Capital	\$ 10,000	\$ 256,050	\$ -	\$ -	\$ -	\$ -	\$ 266,050
Total	\$ 10,000	\$ 256,050	\$ -	\$ -	\$ -	\$ -	\$ 266,050
Operating Impact of Capital	2019	2020	2021	2022	2023	Beyond 2024	Total
Annual Licensing & Maintenance	\$ -	\$ -	\$ 62,000	\$ -	\$ -	\$ -	\$ 62,000

2019 CAPITAL PROJECT DETAILS

Project Title: Telecom PBX Upgrade
Asset Class: Equipment

Project Type: Recommended
Department: Information Technology

Summary: The old CS1000 Private Branch Exchange (PBX) which runs the City's phone system is end of support by December 2020. The project to replace a phone system can take more than one year so needs to start in 2019. A reliable phone system is critical to City operations.

The Avaya upgrade (Avaya CS1000 PBX Migration to Sip Based Avaya AURA product) path allows the City to continue using all existing desktop phones and hardware components that are currently owned. This upgrade will move the city into a more modern and less datacentre based PBX model, which takes advantage of existing infrastructure and allows mobile devices and laptops/desktops to take advantage of modern collaboration tools.

	2019	2020	2021	2022	2023	Beyond 2024	Total
Expenses	\$ 135,000	\$ 75,000	\$ -	\$ -	\$ -	\$ -	\$ 210,000
Funding							
Annual Contribution to Capital	\$ 135,000	\$ 75,000	\$ -	\$ -	\$ -	\$ -	\$ 210,000
Total	\$ 135,000	\$ 75,000	\$ -	\$ -	\$ -	\$ -	\$ 210,000
Operating Impact of Capital	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Project Title: 1160 Lorne - Building Automation Systems
Asset Class: Facilities

Project Type: Recommended
Department: Facilities

Summary: As part of the original 1160 Lorne Fleet/Garage project, it was decided not to include Building Automation System (BAS) as value engineering. Installation of a BAS provides maintenance staff the ability to track and trend, remote functionality tweaks, and improve energy savings. Currently, maintenance staff time is increased at the facility as there is no remote monitoring of the ventilation systems and they need to physically be on site to do the monitoring.

	2019	2020	2021	2022	2023	Beyond 2024	Total
Expenses	\$ 465,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 465,000
Funding							
Annual Contribution to Capital	\$ 465,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 465,000
Total	\$ 465,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 465,000
Operating Impact of Capital	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

2019 CAPITAL PROJECT DETAILS

Project Title: AODA Assessment and Reports
Asset Class: Facilities

Project Type: Recommended
Department: Facilities

Summary: Accessibility for Ontarians with Disabilities Act (AODA) assessments are used to better understand the current accessibility of City facilities. Citizens have increasingly requested more AODA related items, and this request will begin the ground work to achieve that goal. The assessments are required to understand in better detail than a Building Condition Assessment (BCA) of what modifications will need to be made to the facilities to become AODA compliant. This is a provincial government mandated regulation and reports are required to be obtained. This request would allow the completion of assessments for all required city facilities over several years. These reports are intended to be read in conjunction with a BCA report.

	2019	2020	2021	2022	2023	Beyond 2024	Total
Expenses	\$ 350,000	\$ 350,000	\$ 350,000	\$ -	\$ -	\$ -	\$ 1,050,000
Funding							
Annual Contribution to Capital	\$ 350,000	\$ 350,000	\$ 350,000	\$ -	\$ -	\$ -	\$ 1,050,000
Total	\$ 350,000	\$ 350,000	\$ 350,000	\$ -	\$ -	\$ -	\$ 1,050,000
Operating Impact of Capital	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Project Title: BCA and DSS Reports
Asset Class: Facilities

Project Type: Recommended
Department: Facilities

Summary: Building Condition Assessments (BCA) and Designated Substance Surveys (DSS) are used to better understand the existing condition of City facilities. BCA reviews are crucial in determining immediate and future capital needs.

As a continuity of 2012-2014 and 2016, 2018 series of reviews, approximately 50 % of City facilities have not been assessed as to their condition and need to be reviewed as soon as possible. In addition, all City facilities are required to have a DSS completed. Approximately 50 % of City facilities have yet to have DSS reports completed. This request would allow the completion of BCA and DSS reports for all remaining City facilities over the next three years.

	2019	2020	2021	2022	2023	Beyond 2024	Total
Expenses	\$ 300,000	\$ 300,000	\$ 175,000	\$ -	\$ -	\$ -	\$ 775,000
Funding							
Annual Contribution to Capital	\$ 300,000	\$ 300,000	\$ 175,000	\$ -	\$ -	\$ -	\$ 775,000
Total	\$ 300,000	\$ 300,000	\$ 175,000	\$ -	\$ -	\$ -	\$ 775,000
Operating Impact of Capital	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

2019 CAPITAL PROJECT DETAILS

Project Title: Fire Hall - Point Source Diesel Emission Capture
Asset Class: Facilities

Project Type: Recommended
Department: Facilities

Summary: Point source capture is a device used to ensure that vehicle exhaust is directly removed from the building to ensure air quality for workers. The Greater Sudbury Fire Services (GSFS) does not use point source capture devices on any of its diesel apparatus. This is the industry best practice for fire department vehicles, and is recognized and recommended by the Ontario Fire Service Advisory Committee on Occupational Health and Safety under Section 21 of the Occupational Health and Safety Act (commonly known as the Fire Services Section 21 Committee) for Fire Service operations. The service would require a phased-in installation of approximately 40 such devices in the 23 operational stations to provide for the protection of our workforce. The lesser systems in place at some stations do not satisfy the Section 21 recommendations and therefore do not satisfy the due diligence expectation for diesel removal. Further many of the stations in the service have no diesel emission removal systems in place. Implementation of the installations is projected over three years in three phases, based upon the exposure likelihood and impact. This recommendation is for one year/one phase only.

	2019	2020	2021	2022	2023	Beyond 2024	Total
Expenses	\$ 800,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 800,000
Funding							
Annual Contribution to Capital	\$ 800,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 800,000
Total	\$ 800,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 800,000
Operating Impact of Capital	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

2019 CAPITAL PROJECT DETAILS

Project Title: Fire Hall - Van Horne HVAC
Asset Class: Facilities

Project Type: Recommended
Department: Facilities

Summary: For the evaluation and replacement of HVAC systems at the Van Horne Fire Hall. Approximately 50 % of the existing systems are at or near end of life and are in need of replacement. In addition, due to upgrades, modifications and renovations over the years, the existing systems have become a disparate piecemeal of devices that run in isolation from one another often in contention. General ventilation is also lacking within the building and is to be upgraded. All systems are to be put onto a BAS for improved coherence of operation and efficiency.

	2019	2020	2021	2022	2023	Beyond 2024	Total
Expenses	\$ 350,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 350,000

Funding	2019	2020	2021	2022	2023	Beyond 2024	Total
Annual Contribution to Capital	\$ 350,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 350,000
Total	\$ 350,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 350,000

Operating Impact of Capital	2019	2020	2021	2022	2023	Beyond 2024	Total
	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Project Title: Naughton Salt Dome Demolition
Asset Class: Facilities

Project Type: Recommended
Department: Facilities

Summary: The existing salt dome was constructed circa 1960's and has had numerous structural impacts and concerns. In 2015, a structural assessment caused it to be condemned, and it has not been in service since.

This recommendation is for the complete decommissioning, demolition and land remediation.

	2019	2020	2021	2022	2023	Beyond 2024	Total
Expenses	\$ 47,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 47,000

Funding	2019	2020	2021	2022	2023	Beyond 2024	Total
Annual Contribution to Capital	\$ 47,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 47,000
Total	\$ 47,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 47,000

Operating Impact of Capital	2019	2020	2021	2022	2023	Beyond 2024	Total
	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

2019 CAPITAL PROJECT DETAILS

Project Title: Red Deer Lake Fire Station Demolition
Asset Class: Facilities

Project Type: Recommended
Department: Facilities

Summary: This is a volunteer station that has immediate structure issues. It was evacuated and condemned in 2015 by Building Services.

Since it is located on Ministry of Natural Resources (MNR) land, we need to remove the facility, remediate the land and return it to MNR.

	2019	2020	2021	2022	2023	Beyond 2024	Total
Expenses	\$ 35,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 35,000

	2019	2020	2021	2022	2023	Beyond 2024	Total
Funding							
Annual Contribution to Capital	\$ 35,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 35,000
Total	\$ 35,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 35,000

	2019	2020	2021	2022	2023	Beyond 2024	Total
Operating Impact of Capital							
Incremental Cost	\$ -	\$ (900)	\$ -	\$ -	\$ -	\$ -	\$ (900)

Project Title: Tom Davies Square - Courtyard
Asset Class: Facilities

Project Type: Previously Approved
Department: Facilities

Summary: Represents funds previously approved by Council toward the courtyard improvements at Tom Davies Square that are in progress. The term of the funding commitment is from years 2016 to 2022.

	2019	2020	2021	2022	2023	Beyond 2024	Total
Expenses	389,501	389,501	389,501	389,501	\$ -	\$ -	\$ 1,558,004

	2019	2020	2021	2022	2023	Beyond 2024	Total
Funding							
Annual Contribution to Capital	\$ 389,501	\$ 389,501	\$ 389,501	\$ 389,501	\$ -	\$ -	\$ 1,558,004
Total	\$ 389,501	\$ 389,501	\$ 389,501	\$ 389,501	\$ -	\$ -	\$ 1,558,004

	2019	2020	2021	2022	2023	Beyond 2024	Total
Operating Impact of Capital	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

2019 CAPITAL PROJECT DETAILS

Project Title: Tom Davies Square - Electrical Service Gear
Asset Class: Facilities

Project Type: Recommended
Department: Facilities

Summary: The TDS complex was originally constructed in two separate projects: 1972 for 190/200 Brady, and 1978 for 199 Larch for the Province of Ontario. The mechanical and electrical systems are separate between TDS and 199 Larch complexes. The TDS complex share the main incoming electrical switchgear components between the two towers. The electrical system is considered mission critical. Failure in any one branch of the system will impact service of the facility. This project will involve the replacement of various equipment that serve as main feeder power supply and distribution network for the complex. The electrical equipment are generally in poor to fair condition, past expected life (obsolete) and replacement of the equipment is a priority. The project will be complicated in terms of logistically coordinating the work as to not interfere with the operations of the City.

	2019	2020	2021	2022	2023	Beyond 2024	Total
Expenses	\$ 880,000	\$ 1,850,000	\$ 780,000	\$ -	\$ -	\$ -	\$ 3,510,000
Funding							
Annual Contribution to Capital	\$ 880,000	\$ 1,850,000	\$ 780,000	\$ -	\$ -	\$ -	\$ 3,510,000
Total	\$ 880,000	\$ 1,850,000	\$ 780,000	\$ -	\$ -	\$ -	\$ 3,510,000
Operating Impact of Capital	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Project Title: Tom Davies Square - Fire Alarm System
Asset Class: Facilities

Project Type: Recommended
Department: Facilities

Summary: The TDS complex was originally constructed in two separate projects: 1972 for 190/200 Brady, and 1978 for 199 Larch for the Province of Ontario. The mechanical and electrical systems are separate between the two towers, and have not been coordinated or installed for efficiency. This budget request is for the complete replacement of both the TDS Complex and 199 Larch fire alarm systems for life safety. A single system will be installed for the entire complex, rather than the two independent systems that are currently in place (two systems might lead to potential confusion in case of emergency). The fire alarm system currently in place at 190/200 Brady is past life (approximately 20 years in age), components are beginning to fail and may soon be obsolete. The original wiring for the fire alarm devices is still in place and is in poor condition, which causes frequent faults within the system.

	2019	2020	2021	2022	2023	Beyond 2024	Total
Expenses	\$ 650,000	\$ 1,100,000	\$ -	\$ -	\$ -	\$ -	\$ 1,750,000
Funding							
Annual Contribution to Capital	\$ 435,500	\$ 737,000	\$ -	\$ -	\$ -	\$ -	\$ 1,172,500
Capital Reserves 199 Larch	\$ 214,500	\$ 363,000	\$ -	\$ -	\$ -	\$ -	\$ 577,500
Total	\$ 650,000	\$ 1,100,000	\$ -	\$ -	\$ -	\$ -	\$ 1,750,000
Operating Impact of Capital	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

2019 CAPITAL PROJECT DETAILS

Project Title: Tom Davies Square - Main Ventilation Unit Fan
Asset Class: Facilities

Project Type: Recommended
Department: Facilities

Summary: The TDS complex was originally constructed in 1972 for 190/200 Brady. The mechanical and electrical systems are not separate between the two towers. This budget request is for the complete replacement of the main 190 Brady fresh air supply fan number 15 feeding the Greater Sudbury Police Services tower (190 Brady), and Human Resources. Currently, the main ventilation unit fan number 15 components are past life, failing and in need of replacement. Although, the fan motor was replaced in 2017, the remaining components of the air handler unit are not reliable, and there remains a risk involved with keeping it functioning in the near future. The replacement unit will be a gas operated unit and may have operational savings. This project will consist of design in 2019 with replacement in 2020.

	2019	2020	2021	2022	2023	Beyond 2024	Total
Expenses	\$ 5,000	\$ 145,000	\$ -	\$ -	\$ -	\$ -	\$ 150,000
Funding							
Annual Contribution to Capital	\$ 5,000	\$ 145,000	\$ -	\$ -	\$ -	\$ -	\$ 150,000
Total	\$ 5,000	\$ 145,000	\$ -	\$ -	\$ -	\$ -	\$ 150,000
Operating Impact of Capital	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Project Title: Tom Davies Square - Security System and Lighting
Asset Class: Facilities

Project Type: Recommended
Department: Facilities

Summary: This project involves the complete replacement of the existing security system which is obsolete and not functioning as expected. Parts are generally not available, or very hard to source. The new security system will be updated with current technology and will provide security and safety to the affected areas of TDS. Some doors will need new equipment or panels, and others need to be added to the system (strikes, magnetic holders, etc.).

	2019	2020	2021	2022	2023	Beyond 2024	Total
Expenses	\$ 185,000	\$ 100,000	\$ -	\$ -	\$ -	\$ -	\$ 285,000
Funding							
Annual Contribution to Capital	\$ 123,950	\$ 67,000	\$ -	\$ -	\$ -	\$ -	\$ 190,950
Capital Reserves 199 Larch	\$ 61,050	\$ 33,000	\$ -	\$ -	\$ -	\$ -	\$ 94,050
Total	\$ 185,000	\$ 100,000	\$ -	\$ -	\$ -	\$ -	\$ 285,000
Operating Impact of Capital	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

2019 CAPITAL PROJECT DETAILS

Project Title: On Street Pay by Plate Machines
Asset Class: Equipment

Project Type: Recommended
Department: Parking

Summary: This project will consist of implementing on street pay by plate parking machines as a replacement for the existing coin operated parking meters in the downtown core.

	2019	2020	2021	2022	2023	Beyond 2024	Total
Expenses	\$ 100,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 100,000

Funding	2019	2020	2021	2022	2023	Beyond 2024	Total
Capital Reserves Parking	\$ 100,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 100,000
Total	\$ 100,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 100,000

Operating Impact of Capital	2019	2020	2021	2022	2023	Beyond 2024	Total
	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Project Title: Tom Davies Square - Courtyard - Parking
Asset Class: Facilities

Project Type: Previously Approved
Department: Parking

Summary: Represents funding previously approved by Council toward the waterproofing of the roof for the underground parking facility at Tom Davies Square (part of the courtyard improvements project). The term of the funding commitment is years 2017 through to 2023.

	2019	2020	2021	2022	2023	Beyond 2024	Total
Expenses	\$ 330,000	\$ 330,000	\$ 330,000	\$ 330,000	\$ 330,000	\$ -	\$ 1,650,000

Funding	2019	2020	2021	2022	2023	Beyond 2024	Total
Capital Reserves Parking	\$ 330,000	\$ 330,000	\$ 330,000	\$ 330,000	\$ 330,000	\$ -	\$ 1,650,000
Total	\$ 330,000	\$ 330,000	\$ 330,000	\$ 330,000	\$ 330,000	\$ -	\$ 1,650,000

Operating Impact of Capital	2019	2020	2021	2022	2023	Beyond 2024	Total
	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

2019 CAPITAL PROJECT DETAILS

Project Title: Tom Davies Square - Underground Lighting
Asset Class: Facilities

Project Type: Recommended
Department: Parking

Summary: The TDS complex was originally constructed in two separate projects: 1972 for 190/200 Brady, and 1978 for 199 Larch for the Province of Ontario. The mechanical and electrical systems are separate between the two, and are not coordinated for efficiency. This budget request is for update review of lighting levels for life safety, and complete replacement of fixtures, circuits and wiring in both the TDS and Larch garage areas. There are health and safety concerns due to electrical short circuit issues in the system when water enters the circuit conduits and cause breakers to trip and shut off of mission critical systems to TDS.

	2019	2020	2021	2022	2023	Beyond 2024	Total
Expenses	\$ 50,000	\$ 50,000	\$ -	\$ -	\$ -	\$ -	\$ 100,000

Funding	2019	2020	2021	2022	2023	Beyond 2024	Total
Capital Reserves Parking	\$ 50,000	\$ 50,000	\$ -	\$ -	\$ -	\$ -	\$ 100,000
Total	\$ 50,000	\$ 50,000	\$ -	\$ -	\$ -	\$ -	\$ 100,000

	2019	2020	2021	2022	2023	Beyond 2024	Total
Operating Impact of Capital	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Project Title: Tom Davies Square - Underground Garage Fans
Asset Class: Facilities

Project Type: Recommended
Department: Parking

Summary: The complex requires exhaust system for vehicle emissions under the Ontario Building Code (OBC), and the two separate units (one in 200 Brady, one in 199 Larch) have failed or are not working. This budget request is for the replacement of the two separate units.

	2019	2020	2021	2022	2023	Beyond 2024	Total
Expenses	\$ 70,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 70,000

Funding	2019	2020	2021	2022	2023	Beyond 2024	Total
Capital Reserves Parking	\$ 70,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 70,000
Total	\$ 70,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 70,000

	2019	2020	2021	2022	2023	Beyond 2024	Total
Operating Impact of Capital	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

2019 CAPITAL PROJECT DETAILS

Project Title: Business Process Improvements
Asset Class: Vehicles

Project Type: Recommended
Department: Fleet

Summary: To retain a consultant experienced in fleet maintenance processes to assist in the review of various programs and practices.

	2019	2020	2021	2022	2023	Beyond 2024	Total
Expenses	\$ 30,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 30,000

Funding	2019	2020	2021	2022	2023	Beyond 2024	Total
Capital Reserves Fleet	\$ 30,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 30,000
Total	\$ 30,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 30,000

Operating Impact of Capital	2019	2020	2021	2022	2023	Beyond 2024	Total
	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Project Title: Garbage Packers
Asset Class: Vehicles

Project Type: Recommended
Department: Fleet

Summary: To replace two 12-year-old garbage packers as a part of the annual fleet renewal program.

	2019	2020	2021	2022	2023	Beyond 2024	Total
Expenses	\$ 660,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 660,000

Funding	2019	2020	2021	2022	2023	Beyond 2024	Total
Capital Reserves Fleet	\$ 660,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 660,000
Total	\$ 660,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 660,000

Operating Impact of Capital	2019	2020	2021	2022	2023	Beyond 2024	Total
	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Project Title: Heavy Duty Equipment
Asset Class: Vehicles

Project Type: Recommended
Department: Fleet

Summary: Loader and backhoe - to replace aging off road equipment as part of the fleet replacement program.

	2019	2020	2021	2022	2023	Beyond 2024	Total
Expenses	\$ 350,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 350,000

Funding	2019	2020	2021	2022	2023	Beyond 2024	Total
Capital Reserves Fleet	\$ 350,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 350,000
Total	\$ 350,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 350,000

Operating Impact of Capital	2019	2020	2021	2022	2023	Beyond 2024	Total
	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

2019 CAPITAL PROJECT DETAILS

Project Title: Heavy Duty Trucks
Asset Class: Vehicles

Project Type: Recommended
Department: Fleet

Summary: Tandem Multi-function - to retire four 12-year-old multi-purpose plow trucks as a part of the annual fleet renewal program.

	2019	2020	2021	2022	2023	Beyond 2024	Total
Expenses	\$ 1,130,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,130,000
Funding	2019	2020	2021	2022	2023	Beyond 2024	Total
Capital Reserves Fleet	\$ 1,130,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,130,000
Total	\$ 1,130,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,130,000
Operating Impact of Capital	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Project Title: Light Duty Vehicles
Asset Class: Vehicles

Project Type: Recommended
Department: Fleet

Summary: Half Ton Pickup Trucks - to replace up to eight light pickup trucks as part of the fleet replacement program.

	2019	2020	2021	2022	2023	Beyond 2024	Total
Expenses	\$ 280,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 280,000
Funding	2019	2020	2021	2022	2023	Beyond 2024	Total
Capital Reserves Fleet	\$ 280,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 280,000
Total	\$ 280,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 280,000
Operating Impact of Capital	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Project Title: Medium Duty Vehicles
Asset Class: Vehicles

Project Type: Recommended
Department: Fleet

Summary: 3/4 Ton 4x4 Pickup/Crew Cabs and 1 Ton Dump Trucks - to replace seven medium duty trucks, of various ages, as part of the fleet replacement program.

	2019	2020	2021	2022	2023	Beyond 2024	Total
Expenses	\$ 350,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 350,000
Funding	2019	2020	2021	2022	2023	Beyond 2024	Total
Capital Reserves Fleet	\$ 350,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 350,000
Total	\$ 350,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 350,000
Operating Impact of Capital	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

2019 CAPITAL PROJECT DETAILS

Project Title: Rebuilds
Asset Class: Vehicles

Project Type: Recommended
Department: Fleet

Summary: Vehicle and equipment rebuilds - for capital rebuilds of equipment that will extend the units' useful life. Examples are engine or transmission rebuilds.

	2019	2020	2021	2022	2023	Beyond 2024	Total
Expenses	\$ 75,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 75,000
Funding							
Capital Reserves Fleet	\$ 75,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 75,000
Total	\$ 75,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 75,000
Operating Impact of Capital	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Project Title: Shelving Improvements
Asset Class: Equipment

Project Type: Recommended
Department: Fleet

Summary: To continue the replacement of less efficient shelving with the addition of drawers for small parts that maximizes the use of available space.

	2019	2020	2021	2022	2023	Beyond 2024	Total
Expenses	\$ 10,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 10,000
Funding							
Capital Reserves Fleet	\$ 10,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 10,000
Total	\$ 10,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 10,000
Operating Impact of Capital	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

2019 CAPITAL PROJECT DETAILS

Project Title: Specialty Equipment
Asset Class: Vehicles

Project Type: Recommended
Department: Fleet

Summary: Trackless MT7 and miscellaneous equipment to replace two 15-year-old sidewalk plows as part of the fleet replacement program.

	2019	2020	2021	2022	2023	Beyond 2024	Total
Expenses	\$ 350,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 350,000
Funding	2019	2020	2021	2022	2023	Beyond 2024	Total
Capital Reserves Fleet	\$ 350,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 350,000
Total	\$ 350,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 350,000
Operating Impact of Capital	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Project Title: Zamboni
Asset Class: Vehicles

Project Type: Recommended
Department: Fleet

Summary: Zamboni - to replace one 15-year-old Zamboni as part of the fleet replacement program.

	2019	2020	2021	2022	2023	Beyond 2024	Total
Expenses	\$ 100,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 100,000
Funding	2019	2020	2021	2022	2023	Beyond 2024	Total
Capital Reserves Fleet	\$ 100,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 100,000
Total	\$ 100,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 100,000
Operating Impact of Capital	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

2019 CAPITAL PROJECT DETAILS

Project Title: Automation
Asset Class: Equipment

Project Type: Recommended
Department: Police

Summary: Provides funding for technology solutions. An example would be server room equipment. Automation to support crime analytics and mapping, records management systems, cybercrime, computer aided dispatch, closed circuit television monitoring, and highly sophisticated investigative tools. Mobile technology for improved field effectiveness. Investments in cyber security to protect computers, networks, programs and data from unintended or unauthorized access.

	2019	2020	2021	2022	2023	Beyond 2024	Total
Expenses	\$ 188,392	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 188,392

Funding	2019	2020	2021	2022	2023	Beyond 2024	Total
Capital Reserves Police	\$ 188,392	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 188,392
Total	\$ 188,392	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 188,392

Operating Impact of Capital	2019	2020	2021	2022	2023	Beyond 2024	Total
	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Project Title: Communications
Asset Class: Equipment

Project Type: Recommended
Department: Police

Summary: Fund replacements for damaged or additional portable/mobile radio equipment compatible with existing infrastructure. Establishing funding for future radio replacements.

	2019	2020	2021	2022	2023	Beyond 2024	Total
Expenses	\$ 150,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 150,000

Funding	2019	2020	2021	2022	2023	Beyond 2024	Total
Capital Reserves Police	\$ 150,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 150,000
Total	\$ 150,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 150,000

Operating Impact of Capital	2019	2020	2021	2022	2023	Beyond 2024	Total
	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

2019 CAPITAL PROJECT DETAILS

Project Title: Leasehold Improvements
Asset Class: Facilities

Project Type: Recommended
Department: Police

Summary: Provides resources for renovations and routine upgrades for headquarters, District number 2 and several storefront locations throughout the city – Walden, Valley East, Capreol, Coniston, Copper Cliff, and 1920 Paris St. Improvements which will be undertaken in the coming years, will include flooring, paint, furnishings, air conditioning, and heating units

	2019	2020	2021	2022	2023	Beyond 2024	Total
Expenses	\$ 125,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 125,000
Funding	2019	2020	2021	2022	2023	Beyond 2024	Total
Capital Reserves Police	\$ 125,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 125,000
Total	\$ 125,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 125,000
Operating Impact of Capital	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Project Title: Police Equipment and Supplies
Asset Class: Equipment

Project Type: Recommended
Department: Police

Summary: Equipment for specialized teams such as the Tactical Team, Canine Unit, and Public Order Unit. Items such as specialized tactical clothing/body armour/weaponry, canine gear, conducted energy weapons, carbine rifles and miscellaneous equipment items are included in this five-year plan (as shown below and in the Outlook).

	2019	2020	2021	2022	2023	Beyond 2024	Total
Expenses	\$ 140,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 140,000
Funding	2019	2020	2021	2022	2023	Beyond 2024	Total
Capital Reserves Police	\$ 140,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 140,000
Total	\$ 140,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 140,000
Operating Impact of Capital	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

2019 CAPITAL PROJECT DETAILS

Project Title: Police Fleet
Asset Class: Vehicles

Project Type: Recommended
Department: Police

Summary: Provides resources for the replacement of vehicles and equipment. Currently, the fleet consists of approximately 160 vehicles including automobiles, vans, SUV's, motorcycles, boats, snow machines, ATV's, paddy wagon, trailers, and bicycles. Funds annual contributions for mobile data terminals and associated hardware, radar units, light bars, prisoner shields, specialized weaponry mounting, the mobile command centre and mobile radios. A multi-year replacement cycle is established that ensures vehicles and equipment are replaced in a timely manner.

	2019	2020	2021	2022	2023	Beyond 2024	Total
Expenses	\$ 727,200	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 727,200
Funding							
Capital Reserves Police Equipment	\$ 727,200	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 727,200
Total	\$ 727,200	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 727,200
Operating Impact of Capital	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Project Title: Renovations
Asset Class: Facilities

Project Type: Recommended
Department: Police

Summary: This project is to set aside funds from the annual property tax levy for future debt repayments once the decision is made for building renovations to an existing building or for a new building to be decided by the Greater Sudbury Police Board in time for the 2019 Budget. Starting in 2020, each year will be increased by \$500,000 as shown in the outlook. The annual amounts are shown in the Operating Budget in the Contribution to Reserve Fund account/section as the funds would be transferred to the Capital Financing Reserve Fund - Police committed for the Police Building Renovations.

	2019	2020	2021	2022	2023	Beyond 2024	Total
Expenses	\$ 900,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 900,000
Funding							
Capital Reserves Police	\$ 900,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 900,000
Total	\$ 900,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 900,000
Operating Impact of Capital	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

2019 CAPITAL PROJECT DETAILS

Project Title: Security
Asset Class: Facilities

Project Type: Recommended
Department: Police

Summary: Supports all security systems designed to restrict general public access to and from the police facility.

	2019	2020	2021	2022	2023	Beyond 2024	Total
Expenses	\$ 25,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 25,000
Funding							
Capital Reserves Police Fleet	\$ 25,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 25,000
Total	\$ 25,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 25,000
Operating Impact of Capital	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Project Title: Communication Infrastructure
Asset Class: Equipment

Project Type: Previously Approved
Department: Communications Infrastructure

Summary: Represents funding previously approved by Council toward the Communication Infrastructure Project (equipment on communication towers and related equipment/radios) that has been completed. The term of the funding commitment is from 2014 to 2021.

	2019	2020	2021	2022	2023	Beyond 2024	Total
Expenses	950,640	950,640	950,640	\$ -	\$ -	\$ -	\$ 2,851,920
Funding							
Capital Reserves Communication Infrastructure	\$ 950,640	\$ 950,640	\$ 950,640	\$ -	\$ -	\$ -	\$ 2,851,920
Total	\$ 950,640	\$ 950,640	\$ 950,640	\$ -	\$ -	\$ -	\$ 2,851,920
Operating Impact of Capital	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

2019 CAPITAL PROJECT DETAILS

Project Title: Next Generation 911
Asset Class: Equipment

Project Type: Recommended
Department: Communications Infrastructure

Summary: The Canadian Radio-television and Telecommunications has ruled that all Public Service Answering Points (PSAP) agencies must be ready to accept more than just voice calls into their 911 answering centres. This legislation is referred to as NG911. PSAP's are required to begin accepting digital voice calls as of June 30, 2020. Due to this legislation, mandatory upgrades and new equipment will be required prior to June 30, 2020. These include but are not limited to, a softphone solution, an upgrade from PBX to an IP based PBX, tablets or new computers for the softphone client, training.

	2019	2020	2021	2022	2023	Beyond 2024	Total
Expenses	\$ 250,000	\$ 100,000	\$ -	\$ -	\$ -	\$ -	\$ 350,000

	2019	2020	2021	2022	2023	Beyond 2024	Total
Funding							
Capital Reserves	\$ 250,000	\$ 100,000	\$ -	\$ -	\$ -		\$ 350,000
Total	\$ 250,000	\$ 100,000	\$ -	\$ -	\$ -	\$ -	\$ 350,000

	2019	2020	2021	2022	2023	Beyond 2024	Total
Operating Impact of Capital	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Project Title: Police Communication Tower Repairs
Asset Class: Facilities

Project Type: Recommended
Department: Communications Infrastructure

Summary: The towers are part of the mission critical operations for Greater Sudbury Police Services, Fire and Paramedic Services. The towers are the primary and best way of maintaining communications to its members and vehicles due to the geographical constraints of City region limits.

This project includes immediate repairs to the following components of the towers:

- Verticality/guy tensions outside of acceptable limits
- Damaged grounding lead
- Unsupported safety rail spans
- Loose/incorrect fittings
- Poor ground installation
- Obstructed ladder faces
- Missing end sleeves/ice clips
- Burnt out bulbs, etc

	2019	2020	2021	2022	2023	Beyond 2024	Total
Expenses	\$ 105,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 105,000

	2019	2020	2021	2022	2023	Beyond 2024	Total
Funding							
Capital Reserves	\$ 105,000	\$ -	\$ -	\$ -	\$ -		\$ 105,000
Total	\$ 105,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 105,000

	2019	2020	2021	2022	2023	Beyond 2024	Total
Operating Impact of Capital	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

2020-2023 Capital Outlook

in thousands

Capital Project	Capital Outlook			
	2020	2021	2022	2023
GROWTH & INFRASTRUCTURE				
INFRASTRUCTURE CAPITAL PLANNING				
ROADS				
Annual Recurring Road Programs & Projects	1,570	1,770	1,570	1,770
Arterial/Collector Roads Rehabilitation & Resurfacing	2,585	13,135	12,750	12,770
Bridges & Culverts Replacement & Rehabilitation	4,000	11,000	11,000	11,000
College Street Bridge Rehabilitation/Replacement	3,000	3,000	3,000	-
Depot Master Plan - Black Lake Depot Salt Dome - Note 1	2,310	4,620	-	-
Depot Master Plan - Frobisher Administration Depot	-	-	9,470	9,470
Depot Master Plan - Frobisher Depot Salt Dome	2,680	5,360	-	-
Depot Master Plan - Frobisher Works Facility	-	-	-	9,825
Depot Master Plan - St Clair Depot Facility	-	-	-	2,875
Depot Master Plan - St Clair Depot Salt Dome	3,387	6,773	-	-
Depot Master Plan - Suez Depot Facility	-	-	2,505	2,505
Depot Master Plan - Suez Salt Dome	2,170	4,340	-	-
Depot Master Plan - Vehicle Storage Facility	-	-	-	3,730
Depot Master Plan - Waste Management Vehicle Storage Facility	-	-	-	515
Depot Master Plan - Whitefish Depot Salt Dome	707	1,413	-	-
East West Corridor Design (includes Four Corners/Ramsey Lake/Alternate Access)	-	-	-	2,000
East West Corridor EA (includes Four Corners/Ramsey Lake/Alternate Access)	500	-	-	-
Kingsway Realignment - EA and Design	500	1,000	1,000	-
Local Roads Rehabilitation & Resurfacing	4,690	4,055	3,900	3,900
New Sidewalk Construction & Existing Sidewalk Repair	600	600	600	600
New Traffic Lights	400	400	400	400
North South Arterial Road EA Study (Notre Dame and Barry Downe)	-	500	-	-
Road with Water/Wastewater Improvements	115	380	3,350	3,700
Surface Treatment	1,500	1,500	1,500	1,500
Transportation Master Plan Update	-	-	-	250
TOTAL - ROADS	30,713	59,847	51,045	66,810

2020-2023 Capital Outlook

in thousands

Capital Project	Capital Outlook			
	2020	2021	2022	2023
DRAINS				
Junction Creek Reconstruction	500	250	6,000	2,500
Nickeldale Stormwater Pond	400	400	200	2,500
Stormsewer Rehabilitation	300	300	300	300
Stormwater Compliance	150	150	-	-
TOTAL - DRAINS	1,350	1,100	6,500	5,300
ENVIRONMENTAL SERVICES				
Azilda Landfill & Waste Diversion Site	280	-	1,200	-
Closure of Hauled Sewage Sites at Dowling and Dryden	650	-	-	-
Collection Units & Management Systems	78	213	-	150
Hanmer Landfill & Waste Diversion Site	-	1,300	-	50
Household Hazardous Waste Depot	100	-	-	-
Maintenance of Scale - Hanmer Landfill	85	-	-	-
Organic Processing Facility & Site - Note 2	1,200	-	-	-
Residential Waste Drop-off Depots	16	-	8	80
Solid Waste Master Plan Update	-	300	-	-
Sudbury Landfill & Waste Diversion Site	480	800	1,240	1,100
Walden Small Vehicle Transfer Site	82	12	12	50
TOTAL - ENVIRONMENTAL SERVICES	2,971	2,625	2,460	1,430
PLANNING & DEVELOPMENT				
DC Background Study	-	-	-	81
Development Guidelines Document	200	-	-	-
Downtown Master Plan Update	-	-	150	-
Housing Background Study	90	-	-	-
Official Plan Update	-	-	-	235
Population Projection Forecast	-	-	50	-
Survey & GPS Equipment	10	10	10	10
Zoning By-Law Update	-	25	-	-
TOTAL - PLANNING & DEVELOPMENT	300	35	210	326
TOTAL - GROWTH & INFRASTRUCTURE	35,334	63,607	60,215	73,866

2020-2023 Capital Outlook

in thousands

Capital Project	Capital Outlook			
	2020	2021	2022	2023
COMMUNITY DEVELOPMENT				
HOUSING SERVICES				
Social Housing Revitalization Plan - Note 3	-	-	-	-
TOTAL - HOUSING SERVICES	-	-	-	-
LONG TERM CARE - SENIOR SERVICES				
Air Handling Units	-	-	150	-
Basement Fire Sprinkler System	-	120	-	-
Boiler Replacement & Isolation Valves	-	-	-	200
Building Automation System	-	100	250	-
Building Condition Assessment Report	-	-	30	-
Dining Room Furniture	19	19	19	19
Large Kitchen Equipment	20	25	25	25
Laundry Equipment	-	-	-	50
Pioneer Manor Insulation in Park Place & A Wing	75	-	-	-
Roofing	-	-	-	500
Therapeutic Tubs (2 per year)	62	62	62	62
Tubs Lifts (3 per year)	36	36	36	36
Ventilation Fans in Severy & Tub Rooms	-	75	-	-
Weeping Tile Repairs	150	-	-	-
TOTAL - LONG TERM CARE - SENIOR SERVICES	362	437	572	892

2020-2023 Capital Outlook

in thousands

Capital Project	Capital Outlook			
	2020	2021	2022	2023
CHILDREN & CITIZEN SERVICES				
Anderson Farm Museum Pavilion - Various Upgrades	70	-	-	-
Azilda Public Library Driveway Repair	110	-	-	-
Capreol Citizen Service Centre - HVAC	125	-	-	-
Capreol Library - Various Upgrades	67	8	-	-
Cemetery Burial Plots Landscaping	75	-	-	-
Cemetery Mini Excavator	64	-	-	-
Cemetery Services Lasalle Cemetery Driveway Repair	55	-	-	-
Cemetery Utility Tractor	50	-	-	-
Chelmsford Library - Various Upgrades	-	138	16	-
Chelmsford Public Library & Citizen Service Centre Building Repairs	155	-	-	-
Civic Cemetery Main Office Upgrades	25	-	-	-
Civic Memorial Cemetery - Mausoleum	45	54	-	-
Civic Memorial Cemetery - Office Building	-	9	54	-
Coniston Library - Various Upgrades	48	-	-	-
Copper Cliff Library - Various Upgrades	260	-	8	-
Copper Cliff Museum - Various Upgrades	-	23	-	-
Garson Library - Various Upgrades	-	-	21	-
Garson Public Library - HVAC	35	-	-	-
MacKenzie Main Library - HVAC	-	30	-	-
MacKenzie Main Library - Various Upgrades	-	-	302	-
New Sudbury Library - Various Upgrades	-	206	8	-
Northern Ontario Railway Museum - Various Upgrades	295	-	-	-
Onaping Falls Library - Various Upgrades	4	2	28	-
Valley East Library - Various Upgrades	-	-	13	-
TOTAL - CHILDREN & CITIZEN SERVICES	1,483	470	450	-

2020-2023 Capital Outlook

in thousands

Capital Project	Capital Outlook			
	2020	2021	2022	2023
LEISURE SERVICES				
Parks & Playgrounds				
Backstop Replacement at Baseball Complexes	104	-	-	-
Bell Park Health & Safety Retrofit - Boardwalk / Walkways	-	-	200	-
Field Liner	5	5	-	10
Outdoor Court Resurfacing	50	50	50	50
Park Buildings Removal - Ella Lake & Little Britain	80	-	-	-
Park General Upgrades	100	100	100	100
Rayside Balfour Soccer Field	-	125	-	-
Tennis Court Resurfacing/Conversion	180	120	-	-
Parks Equipment				
Aerator	-	-	-	20
Chainsaws	-	5	-	10
Field Grooming Equipment	-	20	-	20
Field Liner	5	5	-	10
Fitness Equipment Replacement	74	-	-	-
Lawn Sweeper	-	-	90	-
OverSeeder	-	-	-	25
Power Brooms/ Leaf Blowers	-	5	-	-
Ride on lawn equipment	30	-	30	-
Spreader	-	10	-	10
Toro Walk Behind Mowers	5	-	-	5
Tractor Attachments	-	50	-	-
Tree Pruning / Trimming Equipment	-	15	-	-
Trimmers	-	5	-	10
Utility Trailers	-	15	-	-
Utility Tractor	90	-	-	-
Yard Rakes	-	-	10	20

2020-2023 Capital Outlook

in thousands

Capital Project	Capital Outlook			
	2020	2021	2022	2023
Leisure Facilities				
RG Dow Pool - Building Envelope	660	-	-	-
Accessibility Audits for Major Leisure Facilities	180	-	-	-
Various Arena Dasherboards & Shielding System	-	550	550	-
Cambrian Arena - Various Upgrades	1,022	8	285	-
Capreol Arena - Various Upgrades	-	-	174	-
Carmichael Arena - Various Upgrades	-	535	-	-
Centennial Arena - Various Upgrades	75	-	792	-
Chelmsford Arena Chiller Replacement	90	-	-	-
Chelmsford Arena Compressor Replacement	50	-	-	-
Community Halls - Various Upgrades	75	-	-	-
Delki Dozzi Cycling Track Reinstatement/Upgrades	402	-	-	-
Dr Edgar Leclair Arena - Various Upgrades	7	92	77	-
Electrical Upgrades at Seasonal Trailer Parks	427	-	-	-
Garson Arena - Various Upgrades	37	38	55	-
Garson Arena & Community Centre Roof	450	-	-	-
Gatchell Pool - Various Upgrades	1,500	908	8	-
Health & Safety Retrofits - Leisure Facilities	40	155	50	-
Howard Armstrong Recreational Centre	-	1,236	-	-
IJ Coady Arena - Various Upgrades	-	12	-	-
Installation of SMART HUB Controllers at Class 1 Arenas	150	100	-	-
IJ Coady Arena Roof Insulation	200	-	-	-

2020-2023 Capital Outlook in thousands

Capital Project	Capital Outlook			
	2020	2021	2022	2023
Lighting Upgrades at Pools	127	171	-	-
McClelland Arena - Various Upgrades	10	15	-	-
McClelland Arena & Community Centre Roof	350	-	-	-
Millennium Centre Various Upgrades	175	-	-	-
Moonlight Beach Upgrades	-	150	-	-
Nickel District Pool - Various Upgrades	30	-	-	-
Onaping Community Centre - Windows	975	-	-	-
Onaping Falls Pool Upgrades	7	-	63	-
Pool & Waterfront Equipment	88	45	93	-
Raymond Plourde Arena Exterior Updates	125	-	-	-
Security Upgrades at Municipal Pools	45	-	-	-
Skate Parks	-	200	-	-
Ski Hill Equipment Upgrades	-	50	-	-
Sports Field Upgrades	125	125	125	125
Sports Flooring Replacement	-	-	80	-
Sudbury Community Arena - Various Upgrades	1,022	-	79	-
T.M. Davis Arena - Hot Water Tank for Zamboni	-	-	14	-
T.M. Davis Arena - Replace Space Heaters	-	-	16	-
Therapeutic Leisure Pool	-	5,500	-	-
Toe Blake Arena Boiler	10	-	-	-
Toe Blake Memorial Arena - Various Upgrades	-	-	24	-
Tom Davies Community Centre Arena - Various Upgrades	-	15	55	-
Val Caron Skate Park	-	750	-	-
Valley East Park Services Depot	125	-	-	7
Various Arenas - Air Handlers/Furnaces Replacement	112	-	-	-
Various Arenas - Oil Separators Replacement	88	-	-	-
Various Park Canteen/Fieldhouse Improvement	100	-	-	-
Walden Mini Soccer Fields	-	210	-	-
TOTAL - LEISURE SERVICES	9,602	11,396	3,021	422

2020-2023 Capital Outlook

in thousands

Capital Project	Capital Outlook			
	2020	2021	2022	2023
TRANSIT SERVICES				
Articulated Transit Buses (total of 6)	-	1,600	1,600	1,600
Light Fleet/Equipment	-	80	80	80
Public Transit Infrastructure Funding Phase II - Various Projects	2,000	2,000	2,000	2,000
Replacement Buses (5 per year)	-	-	3,050	3,050
Shelter Installation	15	15	15	15
Shelters/Rebuilds	-	100	100	100
Transit Light Duty Vehicle Replacement	100	-	-	-
TOTAL - TRANSIT SERVICES	2,115	3,795	6,845	6,845
TOTAL - COMMUNITY DEVELOPMENT	13,562	16,097	10,887	8,158

2020-2023 Capital Outlook *in thousands*

Capital Project	Capital Outlook			
	2020	2021	2022	2023
COMMUNITY SAFETY				
PARAMEDIC SERVICES				
Ambulances (3 per year)	510	510	510	510
Emergency Response Unit	-	70	70	70
Medical Equipment	250	842	1,628	31
Paramedic Response Unit (2 per year)	166	166	83	83
Van Horne Station Replacement (Paramedic Services)	-	-	1,532	-
Technology	155	-	-	246
TOTAL - PARAMEDIC SERVICES	1,081	1,588	3,823	940
FIRE SERVICES				
Auto Extrication Tool Replacement	60	60	60	60
Bunker Gear Replacement	150	150	150	150
Fire Engine Replacement - Pumper	650	-	650	650
Fire Rehabilitation/Support Vehicle Replacement	450	-	-	-
Fire Support Vehicle Replacement	100	100	100	100
Fire Tanker Replacement	330	330	-	330
Garson Stations Replacement	200	3,000	-	-
Minnow Lake Station Replacement	200	3,400	-	-
Mobile Data Terminal (MDT)	109	-	-	-
Mobile Responder (MR)	267	-	-	-
Trench Rescue Equipment Purchase	193	-	-	-
Van Horne Station Replacement (Fire Services)	-	-	4,630	-
Volunteer Pager Replacement	60	60	60	60
TOTAL - FIRE SERVICES	2,768	7,100	5,650	1,350
TOTAL - COMMUNITY SAFETY	3,849	8,688	9,473	2,290

2020-2023 Capital Outlook

in thousands

Capital Project	Capital Outlook			
	2020	2021	2022	2023
CORPORATE SERVICES				
INFORMATION TECHNOLOGY				
Business Intelligence Implementation	100	100	-	-
Business Systems Maintenance Replacement	50	-	150	-
Database Licensing	-	50	-	50
Datacenter Node Rollover	-	200	200	200
Electronic Records Management	550	900	900	-
Enterprise Resource Planning	750	350	350	-
GIS Strategy Implementation	100	100	-	-
Land & Property Management System - Phase 2	-	-	1,214	975
Mobile Device Management	-	100	-	-
Office 365 / Exchange Implementation	750	600	620	640
Penetration Testing & Security Audit	120	-	40	-
Sharepoint Platform Replacement	-	-	300	-
Windows 10 Upgrade Licensing	260	-	-	-
TOTAL - INFORMATION TECHNOLOGY	2,680	2,400	3,774	1,865

2020-2023 Capital Outlook

in thousands

Capital Project	Capital Outlook			
	2020	2021	2022	2023
ASSETS FLEET SERVICES				
FACILITIES				
1160 Lorne - Segregate Bus Wash Bay	-	-	35	150
1160 Lorne - Truck Wash System	200	-	-	-
1160 Lorne - Various Upgrades	445	300	-	-
190 Brady - Redesign of HVAC System - Armoury and Forensics	145	-	-	-
190 Brady - Soffit Airflow Repair	140	625	625	610
190 Brady - Various Elevator Upgrades	75	1,000	2,000	-
190/200 Heating System Retrofit - New Boiler Plant Design/Tendering	-	150	-	-
199 Larch - Provincial Building - Elevators - Major Control Modernization	50	950	-	-
199 Larch - Provincial Building - Kitchen Exhaust	125	-	-	-
199 Larch - Provincial Building - Main Make-Up Air Fan #7	50	100	-	-
199 Larch - Various Upgrades	-	146	-	-
Archives Building - Various Upgrades	-	798	16	-
Career Fire Stations Fume Extraction	600	-	-	-
Career Firehalls Interior Improvements & Asbestos Abatement	25	275	-	-
Dowling Public Works Building - Various Upgrades	45	-	-	-
Edison Archive Building (Falconbridge) HVAC Replacement	1,200	-	-	-
Edison Archive Building East Stair Replacement	-	700	-	-
Edison Archive Building Envelope Repairs	-	2,900	-	-
Fire Stations - Building Envelope & Exterior Improvements	325	1,300	-	-
Fire Stations - Various Upgrades	183	163	434	546

2020-2023 Capital Outlook

in thousands

Capital Project	Capital Outlook			
	2020	2021	2022	2023
Fire/EMS Station - Levack HVAC Upgrade	20	-	-	-
Frobisher Public Works Depot - Building Envelope	-	290	-	-
Lionel E. Lalonde Centre - Building Envelope Upgrades	250	250	250	-
Lionel E. Lalonde Centre - EMS Area Office/Workspace Improvements	100	-	-	-
Naughton Depot & Salt Dome - Various Upgrades	-	-	28	-
North-West Public Works Depot - Various Upgrades	-	92	-	57
St. Clair Depot - Various Upgrades	-	261	-	24
Suez & Capreol Depot - Various Upgrades	-	8	-	13
Tom Davies Square - Domestic Hot & Cold Water Systems	-	-	120	-
Tom Davies Square - HVAC Upgrades for Occupancy Increase	-	-	-	85
Tom Davies Square - Lobby Tile Replacement	135	500	-	-
Tom Davies Square - Doors, Structural Framing and Interior Partitions	55	700	-	-
Tom Davies Square - East Podium Redevelopment	1,500	2,000	-	-
Tom Davies Square - HVAC Building Automation System	-	300	700	-
Tom Davies Square - Roof Replacement	675	-	-	-
Tom Davies Square - Sealant of Precast Envelope and Support Anchors	300	360	-	-
Tom Davies Square - Soffit Replacements and Precast Structural Reviews	50	575	625	-
Tom Davies Square - Various Upgrades	201	108	-	-
Tom Davies Square - Windows	250	1,250	1,650	2,100
Tom Davies Square - 199 Larch - HVAC Systems	150	1,250	100	-
Whitefish Public Works Building - Various Upgrades	42	-	5	-
Whitefish PWD - Building Upgrades	500	-	-	-

2020-2023 Capital Outlook

in thousands

Capital Project	Capital Outlook			
	2020	2021	2022	2023
TOTAL - FACILITIES	7,836	17,351	6,588	3,586
PARKING				
Automated Parking - YMCA Centre for Life Parking Lot	-	230	-	-
Parking Surface Improvements	-	-	125	125
Tom Davies Square - Underground Parking Garage Heated Ramps	-	50	450	-
TOTAL - PARKING	-	280	575	125
FLEET				
Fuel Site Upgrade/Replacement	-	-	-	300
Garbage Packers	-	340	-	-
Heavy Duty Equipment (Graders, Loaders, Backhoes, etc)	580	330	575	555
Heavy Duty Trucks (Equipped for Winter Control)	1,165	1,200	1,200	1,225
Heavy Duty Trucks (Not Equipped for Winter Control)	-	-	225	-
Light Duty Vehicles (Cars, Mini-Vans, 1/2 Ton Pickup Trucks)	410	340	385	395
Medium Duty Vehicles (3/4 and 1 Ton Trucks & Vans)	610	570	570	620
Shelving Improvements	10	-	-	-
Specialty Equipment (Sweepers, Flushers, Vactors etc)	330	640	350	240
Vehicle/Equipment Rebuilding	125	50	100	100
Zamboni	105	105	110	110
TOTAL - FLEET	3,335	3,575	3,515	3,545
TOTAL - ASSETS FLEET SERVICES	11,171	21,206	10,678	7,256
TOTAL - CORPORATE SERVICES	13,851	23,606	14,452	9,121

2020-2023 Capital Outlook

in thousands

Capital Project	Capital Outlook			
	2020	2021	2022	2023
POLICE SERVICES				
POLICE				
Automation	208	262	260	265
Communications	170	70	70	71
Equipment - Fleet	1,048	1,036	1,090	1,161
Leasehold Improvements	112	125	125	128
Police Building Renovations - Note 4	1,400	1,900	2,400	2,900
Police Equipment and Supplies	125	172	187	191
Security	25	25	25	26
	3,089	3,590	4,156	4,741
TOTAL - POLICE	3,089	3,590	4,156	4,741
TOTAL - POLICE SERVICES	3,089	3,590	4,156	4,741
TOTAL CAPITAL OUTLOOK	69,685	115,587	99,184	98,176

Note 1 - Staff will be reviewing the Facility Rationalization program during 2019 and annual cash flow estimates for each building construction will be included within the 2020 Capital Budget that will be presented to Council in the fall of 2019. The estimated total costs of \$91.6M for the buildings as previously presented to Council are as follows: Black Lake Depot Salt Dome \$6.93M; Frobisher Administration Depot \$18.94M; Frobisher Depot Salt Dome \$8.04M; Frobisher Works Facility \$19.65M; St. Clair Depot Facility \$5.75M; St. Clair Depot Salt Dome \$10.16M; Suez Depot Facility \$5.01M; Suez Salt Dome \$6.51M; Vehicle Storage Facility \$7.46M; Waste Management Vehicle Storage Facility \$1.03M; and Whitefish Depot Salt Dome \$2.12M. The buildings above do not include improvements in Phase 3 of the program as it is expected beyond 2023.

Note 2 - Additional capital investment in the range of \$8 million to \$28 million is estimated. This will be dependent on which processing technology is selected and at which location. Excludes funding grants (if available).

Note 3 - Current cost unknown, the Social Housing Revitalization Plan (the Plan) aims to develop a range of strategies to revitalize and optimize the aging social infrastructure stock. CGS is responsible for providing "sufficient" operating and capital funding to the GSHC through the Housing Services Act, 2011.

Note 4 - Police Building Renovations project is to set aside funds from the annual property tax levy for future debt repayments once the decision is made for building renovations to an existing building or for a new building to be decided by the Greater Sudbury Police Board in time for the 2019 Budget. Starting in 2020, each year has been increased by \$500,000. The annual amounts are shown in the Operating Budget in the Contribution to Reserve Fund account/section as the funds would be transferred to the Capital Financing Reserve Fund - Police committed for the Police Building Renovations.