



**Regular Meeting of Council
Council Chambers, 2nd Floor
City Hall**

**Meetings For The Week of
Tuesday, October 03, 2017**

Tuesday, October 3, 2017

7:30 p.m.

Regular Meeting of Council

Regular Meeting of Council held Tuesday, October 03, 2017

Declaration of Pecuniary Interest and the General Nature Thereof:

Public Presentations:

Public Meeting Minutes:

Monday, May 1, 2017
Tuesday, September 5, 2017
Tuesday, September 12, 2017
Tuesday, September 19, 2017
Wednesday, September 27, 2017

Committee Reports:

Correspondence:

1. Report from Robin Cameron dated September 11, 2017 re Municipal Parking Lot By-Law No. 2011-234 Amendment (SIRE/C01/2017/BYLAW/MUNICIPALPARKINGLOTS).
2. Report from Beverley Hillier dated September 22, 2017 re Final Approval to Phase III of the Draft Approved Plan of Subdivision by the City of North Bay - Airport Industrial Business Park - Phase III, Airport Way (west side) (RMS/D12/2009/NBJGA/INBUSPK).
3. Report from John Severino and David Euler dated September 25, 2017 re Source Water Protection Committee - Municipal Appointment (SIRE/E00/2017/NBMSP/GENERAL).
4. Report from David Euler dated September 26, 2017 re Private Approach By-Law (SIRE/C01/2017/BYLAW/PRIVATEAPPROACH).
5. Report from Paul Valenti and Remi Renaud dated September 25, 2017 re Purchase of Two (2) Low Floor Para-Buses (SIRE/F18/2017/TENDER/GENERAL).
6. Report from Margaret Karpenko dated September 25, 2017 re 2018 General Capital Budget and 2018 Water and Wastewater Capital Budget, with the 2019-2027 Capital Forecast Plan (SIRE/F05/2018/CAPBU/GENERAL).

By-Laws for Consideration:

Motions:

Motion to Adjourn In-Camera:

In-Camera Correspondence:

7. ***Confidential*** report from Peter Leckie dated September 25, 2017 re Proposed disposition of land by the Municipality.
8. ***Confidential*** report from Peter Leckie and John Severino dated September 26, 2017 re Proposed acquisition of land by the Municipality.
9. ***Confidential*** report from Peter Leckie dated September 27, 2017 re Proposed disposition of land by the Municipality.

Closed Minutes:

Motion to Reconvene:

Motion for Reconsideration:

Giving Notice:

Confirmatory By-Law:

First, second and third readings:

By-Law No. 2017-61 to confirm proceedings of the Meeting of Council held on October 3, 2017.

Adjournment:

**Minutes of the Special Review Committee
Long Term Financial Plan
Meeting Held
Monday, May 1, 2017**

Present: Councillor Shogren, Committee Chair
Councillor Anthony, Committee Member
Councillor Mayne, Committee Member

Staff Present:

K. Robicheau, M. Karpenko, K. McIsaac.

Special Review Committee Chair, Derek Shogren, called the meeting to order at 5:15 p.m.

Items Discussed:

- Margaret Karpenko reviewed the policy amendments made to the Long Term Financial Plan that were adopted by Council on September 21, 2015 by Resolution 2015-459.

Next Meeting Date: to be determined

Meeting adjourned at 6:40 p.m.

Councillor Derek Shogren
Chair Special Review Committee
Long Term Financial Plan

City Clerk Karen McIsaac

**Minutes of the Operational Review Committee
Meeting Held
Tuesday, September 5, 2017**

Present:

Councillor Maroosis, Committee Chair
Councillor Anthony, Committee Member (5:12 p.m.–6:24 p.m.)
Councillor King, Committee Member
Councillor Bain, Committee Member
Councillor Serran, Committee Member
Mayor McDonald, Committee Member (5:06 p.m.–5:25 p.m.; 5:45 p.m.–6:24 p.m.)
Councillor Forgette (5:06 p.m.–5:28 p.m.; 5:50 p.m.–6:24 p.m.)
Keith Robicheau, Chief Administrative Officer
David Euler, Managing Director Engineering, Environmental and Works
Margaret Karpenko, Chief Financial Officer (5:06 p.m.–5:28 p.m.; 5:50 p.m.–6:24 p.m.)
Jason Whiteley, Fire Chief
Gord Mulcahey, Executive Member North Bay Professional Firefighters' Association

Regrets:

Lea Janisse, Managing Director Corporate Services
John Severino, Managing Director Community Services
Marti Gerbasi, President CUPE Local 122

Special Review Committee Chair, George Maroosis, called the meeting to order at 5:06 p.m.

1. Adoption of Minutes:
The Minutes of August 8, 2017 were approved and will be presented to Council on September 19, 2017.
2. Business Arising from Minutes:
 - i. None
3. Operational Review of the Office of the C.A.O.
 - Keith Robicheau led the presentation and continued his presentation to the Committee regarding an overview of the roles and responsibilities of the office of the CAO.
 - Two-thirds of Public infrastructure is at the Municipal level.
 - Current revenue tools (the tax system) are used to solve the challenge of today.
 - Revenue growth will come from employment and economic growth.
 - The office of the CAO has 3 Primary Areas of Focus:
 - a. Economic Development
 - b. External Communications
 - c. Fiscal Sustainability
 - Further Priorities include:
 - d. Emergency Preparedness and Response
 - e. Diversity
 - f. Human Resources and treating people as assets
 - g. Risk Management (Operational, Financial and legal)
 - Communications: The Communications Officer will be a part of the Office of the CAO which will leverage resources to support communications. The oversight of Internal Communications will be the office of the CAO.
 - Economic Development figures prominently within the Strategic Plan for the City of North Bay. There is a Strategic Plan pending for invest North Bay.
 - The Fire Chief is a direct report for the office of the CAO. The CAO will continue to work closely with the Fire Department to update the Emergency Response Plan and develop an Incident Management Strategy. Roles will be defined and a plan implemented which include direct involvement of the office of the CAO.

- Do you see yourself having that same relationship with the Police Department?
 - No. The Police governance has strong civilian governance. The relationship in other municipalities has always been that of liaison and support with the Fire Service. This would be more of an interest built primarily on the role of the Emergency Management Process.
- The CAO role is one of Coaching, Counselling and Influencing skills (95%) and clear formal authority (5%).
 - Canada Census has provided a lot of information but we do not have a researcher on staff. Is there a mechanism to help Senior Staff to have a true picture from an analyst view?
 - In most finance departments we can see a role shift to an analyst role. Unless you are a larger municipality, you would not necessarily see an analyst on staff. Senior Staff at the City are very plugged in and in tune with their professional designations. These professional affiliations provide a resource to the City. Every member of the Senior Management team is looking at benchmarks and analytics to measure status.
 - Growth and pace for growth, can you elaborate on this please? Also, please elaborate on allocating reserves and what is a sufficient amount of reserves and when should we use reserves?
 - Cost recovery and certain types of development charges provide full expression of the pace for growth. When you are approaching \$15,000.00 - \$20,000.00 in developer fees/lot this may be what the market can handle. I can prepare a side-by-side comparison of other municipalities.
 - On the issue of reserves, replacements come from reserves. New builds may come from incurring debt and infrastructure grants where possible and available. If there are low interest rates a debenture over 20 years may be appropriate so that you have future users helping to pay for the asset. Future generations will benefit then they should share the responsibility.
 - When is the correct time to use reserves? In other Departmental budgets? Use to offset the shortfall?
 - Most municipalities will need to use reserves to pay for Capital. Ours is part of the liquidity capital. "Pay as you go."

4. Operational Review of the Office of the Mayor.

Mayor McDonald provided an update to the Committee regarding an overview of the roles and responsibilities of the office of the Mayor.

- The Mayor interacts with the CAO 95% of the time and occasionally interacts with Senior Management.
- There is a weekly standing meeting with the CAO where the Mayor receives a brief update from the Senior Management Team and discussions are held regarding snags or challenges from the Province.
- The CAO has a good handle/understanding of how things work.
- There is a partnership between Council and Staff. The Fiscal Plan and Downtown Waterfront Advisory Committee are examples how the partnership with staff has worked out well and assisted with making decisions faster at Council.
- The Mayor recommends that the Chairs of the business units meet with other business units to gain further knowledge. Kudos to Councillor Vrebosch who started this. Other recommendations include:
 - i. Encourage Chairs of the Business Units to meet with Senior staff
 - ii. Need to develop a hybrid model for communication for Economic Development and Invest North Bay. Develop a direct channel to CAO to bring in community groups.
- The Senior Management team has a good handle on things and offers prudent advice.
 - Keith, are you aware of the claw back of part of the upload from the Province?

- The Councilors have done a good job to make sure that the funds were returned to the local municipality.
- Has the Finance Committee policy or General Government responded to the claw back?
 - There is a plan for Margaret and Shannon to complete a review.

5. Action Items:

- i. None.

Next Meeting: Tuesday, September 19, 2017 @ 5:00 p.m.

Agenda Item: Review Action Items.

Meeting adjourned at 6:24 p.m.

Councillor George Maroosis
Chair Operational Review Committee

Judy Bechard
Deputy City Clerk

**Minutes of the Special Review Committee
Long Term Financial Plan
Meeting Held
Tuesday, September 12, 2017**

Present: Councillor Shogren, Committee Chair
Councillor Anthony, Committee Member
Councillor Mayne, Committee Member
Councillor Vaillancourt, Committee Member
Councillor King

Staff Present:

K. Robicheau, M. Karpenko, K. McIsaac.

Special Review Committee Chair, Derek Shogren, called the meeting to order at 12:07 p.m.

Items Discussed:

- Committee reviewed options for Capital Spending Models and how to handle yearly surpluses.
- Margaret Karpenko will prepare the draft recommendations to the Long Term Financial Plan Policy for the Committee to review on September 27th.

Next Meeting Date: Wednesday, September 27, 2017 at 12 noon

Meeting adjourned at 1:10 p.m.

Councillor Derek Shogren
Chair Special Review Committee
Long Term Financial Plan

City Clerk Karen McIsaac

**Minutes of Committee Meeting
of City Council
Held Tuesday, September 19, 2017**

Present:

Mayor McDonald, Councillors Forgette, Shogren, Maroosis, Vaillancourt, King, Serran, Mayne, Vrebosch.

Community Services Committee:

CS-2017-17 Report from Paula McCloskey and Beverley Hillier dated August 15, 2017 re Second Off-Leash Dog Park Site Proposal.

Conflict of Interest: Councillor Vaillancourt declared a conflict of interest as his employer is the North Bay and District Humane Society.

Direction: Item to Remain on Committee.

Engineering and Works Committee:

No Items Dealt With.

General Government Committee:

GG-2011-16 Report from Catherine Conrad dated August 2, 2011 re Election Campaign Signs.

Direction: Item to Remain on Committee.

Committee Meeting of Council adjourned at 7:03 p.m.

Mayor Allan McDonald

City Clerk Karen McIsaac

**Minutes of the Regular Meeting
of City Council
Held Tuesday, September 19, 2017**

Present:

Mayor McDonald, Councillors Forgette, Shogren, Maroosis, Vaillancourt, King, Serran, Mayne, Vrebosch

Public Presentations:

Correspondence:

Goodridge Goulet Planning &
Surveying Ltd.

re Rezoning application from The
Board of Trustees of the Bethel
Gospel Chapel – 1823 McKeown
Avenue

Reports from Officers:

Franks, S.	re Request for Quotation No. 2017-63 – Bulk Road Salt	(320)
Janisse, L.	re Employee Group Benefits Renewal	(321)
Valenti, P.	re Request for Quotation No. 2017-63 – Bulk Road Salt	(320)

Res. #2017-318: Moved by Councillor Maroosis, seconded by Councillor King
That minutes for the public meetings held on:

- Tuesday, August 8, 2017;
- Tuesday, September 5, 2017; and
- Thursday, September 7, 2017

be adopted as presented.

“Carried”

Res. #2017-319: Moved by Councillor King, seconded by Councillor Vaillancourt
The rezoning application by Goodridge Goulet Planning & Surveying
Ltd. on behalf of The Board of Trustees of the Bethel Gospel Chapel –
1823 McKeown Avenue be received and referred to the Community
Services Committee for a Public Meeting.

“Carried”

Res. #2017-320: Moved by Councillor Vrebosch, seconded by Councillor Mayne
That City Council approve the award of a contract to Compass Minerals
Canada Corp. for the supply of Bulk Road Salt at the unit rate of
\$90.03 (plus HST) per tonne for a one (1) year term, with an option to
extend one (1) additional year if mutually agreeable to both parties.

“Carried”

Res. #2017-321(a): Moved by Councillor Forgette, seconded by Councillor Shogren
That Council approve the renewal of the Employee Group Benefits Program with Manulife Financial effective October 1, 2017 with an overall annual increase of 6.4% or \$191,964.00 and further that the current ASO deficit in the amount of \$9,680.00 be paid from the ASO Reserve as outlined in Report to Council CORP 2017-74 dated September 7, 2017.

"Carried As Amended"

Res. #2017-321(b): Moved by Councillor Shogren, seconded by Councillor King
That Report to Council CORP 2017-74 dated September 7, 2017, from Lea Janisse re: Employee Group Benefits Renewal be referred to the General Government Committee.

"Carried"

Res. #2017-322: Moved by Councillor Forgette, seconded by Councillor Shogren
That the following by-law be read a first and second time:

By-Law No. 2017-60 to confirm proceedings of the Meeting of Council held on September 19, 2017.

"Carried"

Res. #2017-323: Moved by Councillor Forgette, seconded by Councillor Shogren
That the following by-law be read a third time and passed:

By-Law No. 2017-60 to confirm proceedings of the Meeting of Council held on September 19, 2017.

"Carried"

Res. #2017-324: Moved by Councillor Serran, seconded by Councillor Maroosis
That this Regular Meeting of Council do now adjourn at 7:34 p.m.

"Carried"

Mayor Allan McDonald

City Clerk Karen McIsaac

**Minutes of the Special Review Committee
Long Term Financial Plan
Meeting Held
Wednesday, September 27, 2017**

Present: Councillor Shogren, Committee Chair
Councillor Anthony, Committee Member
Councillor Mayne, Committee Member (12:20 p.m. to 1:15 p.m.)
Councillor Vaillancourt, Committee Member

Staff Present:

K. Robicheau, M. Karpenko, K. McIsaac.

Special Review Committee Chair, Derek Shogren, called the meeting to order at 12:10 p.m.

Items Discussed:

- Vacancy Rebate Program.
- Growth Model vs. Current Policy.

Next Meeting Date: To be determined.

Meeting adjourned at 1:15 p.m.

Councillor Derek Shogren
Chair Special Review Committee
Long Term Financial Plan

City Clerk Karen McIsaac

North Bay, ON October 3, 2017

Subject: Report from Robin Cameron dated September 11, 2017 re Municipal Parking Lot By-Law No. 2011-234 Amendment

File No. SIRE/C01/2017/BYLAW/MUNICIPALPARKINGLOT **Res.** 2017 - _____

Moved by Councillor: _____

Seconded by Councillor: _____

That Council authorize an amendment to the Municipal Parking Lot By-Law 2011-234, as outlined in the Report to Council CSBU 2017-50 dated September 11, 2017 from Robin Cameron, that the November 1st to March 31st overnight no parking time frame be amended to read 12 midnight to 8 am, instead of 12 midnight to 6 am, to align with lot signage.

Carried ☐

Carried as amended ☐

Lost ☐

Conflict_____

Endorsement of Chair_____

Yeas _____

Nays_____

Record of Vote (*Upon Request of Councillor* _____)

Signature of Clerk_____

City of North Bay

Report to Council

Report No: CSBU 2017 - 50

Date: September 11, 2017

Originator: Robin Cameron, Facilities and Parking Supervisor

Subject: Municipal Parking Lots By-Law No. 2011-234 Amendment

Recommendation

That a resolution be passed to amend the Municipal Parking Lots By-Law 2011-234 as follows:

1. To update Section 7 (Monthly Parking Lots). As outlined below, the November 1 to March 31 overnight no parking time frame needs to read 12 midnight to 8 am, rather than 12 midnight to 6 am to align with lot signage.
-

Background

The Municipal Parking Lots By-Law 2011-234 was last updated and amended in July 2016 by By-Law 2016-77. An oversight in the wording has been noticed in Section 7 and an amendment to By-Law 2011-234 (as amended) needs to be made to align with existing signage in the parking lots to ensure that proper enforcement of the Parking By-Law can take place.

1. Section 7 (Monthly Parking Lots) of amended By-Law 2011-234 states that "No person shall park a motor vehicle in any parking lot overnight from 12 midnight to 6 am. from November 1 to March 31 inclusive with the exception of Oak Lot 2 (in designated areas) with a valid Overnight Winter Parking Permit and McIntyre Lot 4 (Parking Garage, levels 1 through 4) with a valid Overnight Winter Parking Permit, Overnight Winter Parking Pay & Display nightly receipt visible on the

dashboard or Overnight Winter Parking payment that has been purchased and confirmed through the on-line payment system to be current and valid for the vehicle in the location where it is parked.”

- a. To align with existing signage in the parking lots, Section 7 needs to be updated to state “No person shall park a motor vehicle in any parking lot overnight from 12 midnight to 8 am. from November 1 to March 31 inclusive with the exception of Oak Lot 2 (in designated areas) with a valid Overnight Winter Parking Permit and McIntyre Lot 4 (Parking Garage, levels 1 through 4) with a valid Overnight Winter Parking Permit, Overnight Winter Parking Pay & Display nightly receipt visible on the dashboard or Overnight Winter Parking payment that has been purchased and confirmed through the on-line payment system to be current and valid for the vehicle in the location where it is parked.”

Analysis / Options

Option 1

That a resolution be passed to accept the amendments to the Municipal Parking Lots By-Law 2011-234.

Option 2

Take no action and uphold the current Municipal Parking Lots By-Law 2011-234.

Recommended Option

Option 1 – approve the amendments as presented.

Respectfully submitted,

Robin Cameron
Facilities and Parking Supervisor

We concur in this report and recommendation.

Ron Melnyk
By-Law Enforcement Coordinator

Christina A. (Tina) Murphy
Assistant Solicitor/City Prosecutor

Peter E.G. Leckie
City Solicitor

John Severino
Managing Director, Community Services

A. Keith Robicheau
Chief Administrative Officer

North Bay, ON October 3, 2017

Subject: Report from Beverley Hillier dated September 22, 2017 re Final Approval to Phase III of the Draft Approved Plan of Subdivision by the City of North Bay – Airport Industrial Business Park – Phase III, Airport Way (west side)

File No. RMS/D12/2009/NBJGA/INBUSPK

Res. 2017 - _____

Moved by Councillor: _____

Seconded by Councillor: _____

- That
- 1) Council grant Final Approval to Phase III of the Draft Approved Plan of Subdivision by The Corporation of the City of North Bay – Airport Industrial Business Park – Phase III, representing seven (7) Blocks and six (6) Streets on 105 hectares in the southwest area of the North Bay Jack Garland Airport in the City of North Bay – File No. 48T-09104 and as shown on the M-Plan prepared by Rick Miller, OLS dated June 5, 2017, attached to Report to Council CSBU 2017-54 dated September 22, 2017 from Beverley Hillier as Schedule "A";
 - 2) staff be directed to prepare a Declaration of Terms of Subdivision for signing by the Mayor and City Clerk; and
 - 3) Council authorize the payment of the final invoice for the survey works associated with the easements of the Plan of Subdivision which exceed the approved amount by \$28,985.01 from the Land Sale Reserve Account.

Carried

☐

Carried as amended

☐

Lost

☐

Conflict _____

Endorsement of Chair _____

Record of Vote (*Upon Request of Councillor* _____)

Signature of Clerk _____

City of North Bay

Report to Council

Report No.: CSBU 2017 - 54

Date: September 22, 2017

Originator: Beverley Hillier, Manager, Planning Services

Subject: Final Approval to Phase III of the Draft Approved Plan of Subdivision by the Corporation of the City of North Bay – Airport Industrial Business Park – Phase III, Airport Way (West Side) in the City of North Bay.

File No: D12/2009/SUBDI/NBJGA/#48T-09104

Recommendations

- 1) That Council grant Final Approval to Phase III of the Draft Approved Plan of Subdivision by the Corporation of the City of North Bay – Airport Industrial Business Park – Phase III, representing seven (7) Blocks and six (6) Streets on 105 hectares in the southwest area of the North Bay Jack Garland Airport in the City of North Bay – File No. 48T-09104 and as shown on the M-Plan prepared by Rick Miller, OLS, dated June 5, 2017, attached hereto as Schedule “A”; and
- 2) That Staff be directed to prepare a Declaration of Terms of Subdivision for signing by the Mayor and City Clerk.
- 3) That Council authorize the payment of the final invoice for the survey works associated with the Easements on the Plan of Subdivision which exceed the approved amount by \$28,985.01 from the Land Sale Reserve Account.

Background

City Council approved Official Plan Amendment No. 114 and Zoning By-law Amendments No. 2010-45 and No. 2012-100 on the subject lands on February 22, 2010 and April 30, 2012, respectively. Draft Approval for the entire Airport Industrial Business Park was granted by City Council on July 4, 2011.

The City of North Bay is seeking Final Approval of Phase III of the Draft Approved Plan of Subdivision. This Final Approval will permit the lease, sales and transfer of lands in the areas shown as Blocks 1 to 7 on the attached Schedule “A”.

Although the City is exempt from the Planning Act for lot creation, the Plan of Subdivision sets out the general concept and available lands for development purposes. No specific lot configuration is proposed at this time in order to provide the municipality with flexibility in the sale or lease of future lands to meet the needs of specific clients. This will ensure the land is utilized in the most efficient manner.

As part of the Draft Approval process the City undertook to have all of the utilities in the southwest section of the property identified and surveyed. This work was approved by Council through Report to Council CORP 2014-21. This work has recently been completed. It has come to Staffs attention that the work was more extensive than originally anticipated. The original work was approved with a budget of \$81,080.50 (HST extra).

The final bill for the work exceeds the approved amount by \$28,985.01. The location and identification of easements is an important component as part of the City's approach to prepare the lands surrounding the Jack Garland Airport for development. Identifying the location of these utilities has never been completed since the transfer of ownership of the North Bay Jack Garland Airport from Transport Canada to the City of North Bay in the late 1990's.

Analysis

The Plan of Subdivision and the request for Final Approval have been reviewed by Planning Services, Engineering & Environmental Services and Legal Services. Engineering has advised all municipal engineering considerations have been satisfied within the Final Plan, attached hereto as Schedule "A".

The Final Plan conforms to the Draft Approved Plan and to the regulations set out in Zoning By-law No. 2015-30. The necessary plans have been prepared by Rick Miller, OLS.

Options

Option 1:

- 1) That Council grant Final Approval to Phase III of the Draft Approved Plan of Subdivision by the Corporation of the City of North Bay – Airport Industrial Business Park – Phase III, representing seven (7) Blocks and six (6) Streets on 105 hectares in the southwest area of the North Bay Jack Garland Airport in the City of North Bay – File No. 48T-09104 and as shown on the M-Plan prepared by Rick Miller, OLS, dated June 5, 2017, attached hereto as Schedule "A"; and
- 2) That Staff be directed to prepare a Declaration of Terms of Subdivision for signing by the Mayor and City Clerk.
- 3) That Council authorize the payment of the final invoice for the survey works associated with the Easements on the Plan of Subdivision which exceed the approved amount by \$28,985.01 from the Land Sale Reserve Account.

Option 2:

- 1) Council not grant Final Approval to the Draft Approved Plan of Subdivision by the Corporation of the City of North Bay – Airport Industrial Business Park – Phase III.

Recommended Option / Financial Implication

Option 1 is the recommended option.

The expansion of the Air Park Policies in the new Official Plan, the previous approval to expand the list of permitted uses by way of an Official Plan Amendment and Zoning By-law Amendment, and the approval of the subject Plan of Subdivision will facilitate the immediate development of the airport lands for airside opportunities and groundside industrial uses.

The proposed Plan of Subdivision will allow for the orderly development of the subject lands, create new employment opportunities, support the growth of the aerospace and advanced manufacturing sectors, and ensure the long term viability of the Airport itself.

In reviewing the proposed Plan of Subdivision, Planning Services is of the opinion the proposal represents good land use planning. It is in conformity with the City's Official Plan and the end use is consistent with Provincial Policy as set out in the Provincial Policy Statement (PPS 2005) and in the Growth Plan for Northern Ontario (GPNO 2011).

Respectfully submitted,

Beverley Hillier, MCIP, RPP
Manager, Planning Services

BH/dlb

C11 / RTC CSBU #2017-54 / B. HILLIER / FINAL APPROVAL TO PHASE III DRAFT APPROVED PLAN OF AIRPORT INDUSTRIAL BUSINESS PARK

attach(s)

We concur with this report and recommendations.

John Severino, P. Eng., FEC, M.B.A.
Managing Director, Community Services

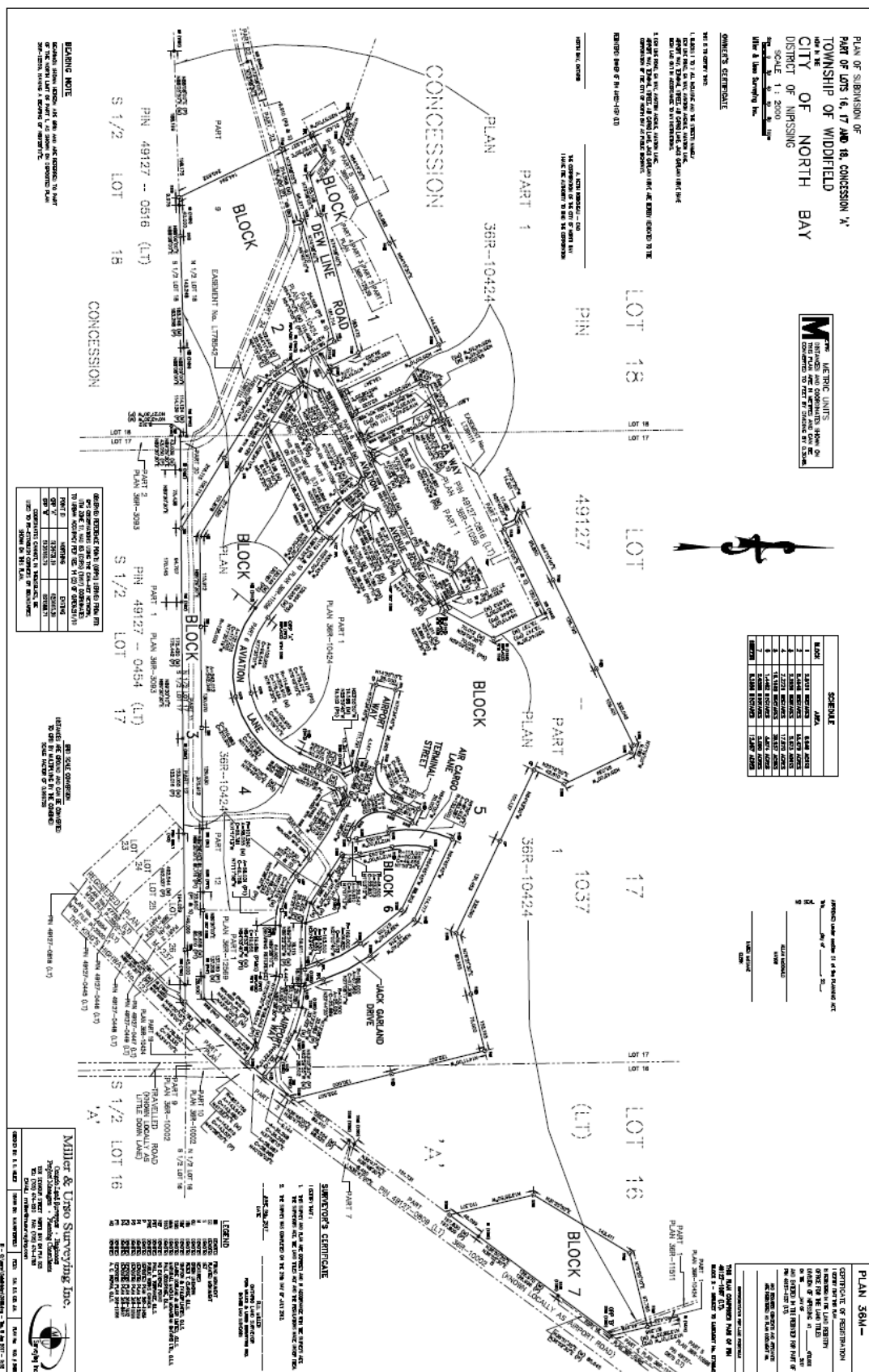
David Euler, P.Eng
Managing Director, Engineering,
Environmental Services and Works

Margaret Karpenko, CPA, CMA
Chief Financial Officer / Treasurer

A. Keith Robicheau
Chief Administrative Officer

Personnel designated for continuance: Senior Planner, Current Operations

Schedule A



North Bay, ON October 3, 2017

Subject: Report from John Severino and David Euler dated September 25, 2017 re
Source Water Protection Committee – Municipal Appointment

File No. SIRE/E00/2017/NBMSP/GENERAL

Res. 2017 - _____

Moved by Councillor: _____

Seconded by Councillor: _____

That City Council endorse the application of Beverley Hillier, Manager, Planning Services
to the Source Water Protection Committee as a Municipal Representative.

Carried

☐

Carried as amended

☐

Lost

☐

Conflict_____

Endorsement of Chair_____

Yeas _____

Nays _____

Record of Vote (*Upon Request of Councillor* _____)

Signature of Clerk_____

City of North Bay

Report to Council

Report No.: CSBU 2017 - 53

Date: September 25, 2017

Originator: John Severino, Managing Director, Community Services
David Euler, Managing Director, Engineering, Environmental Services and Works

Subject: Source Water Protection Committee – Municipal Appointment

Recommendation

That City Council endorse the application of Beverley Hillier, Manager, Planning Services to the Source Water Protection Committee as a municipal representative.

Background

The City of North Bay has been notified by the North Bay-Mattawa Source Protection Authority (SPA) that the Source Protection Committee is seeking applications for membership. The Source Protection Committee (SPC) is a local multi-stakeholder committee responsible for developing the Source Protection Plan for the protection of municipal drinking water sources in Callander, Mattawa, North Bay, Powassan, and South River. Membership on the SPC is evenly allocated between municipal, economic and public-at-large sectors. There is an additional seat for a representative of the First Nations.

The SPC has vacancies for three municipal representatives due to completion of the terms of the existing representatives. The SPA has indicated that current municipal representatives may be nominated for reappointment. The deadline for submitting the nomination to the Source Protection Authority is Tuesday, October 31, 2017 and must include an Application completed by the nominee, together with their resume and a letter from the municipality acknowledging its support for the applicant. The City Clerk is in receipt of Mrs. Hillier's application form and resume.

Analysis / Options

Beverley Hillier, Manager, Planning Services, is one of the three current municipal representatives on the Source Protection Committee. Given the policy development and review required as part of the Source Protection Plan process Mrs. Hillier is an ideal candidate to continue her role on the SPC for the City of North Bay. Other members of City Staff will be consulted when necessary and appropriate when the issues may be more technical in nature.

Option 1:

That City Council endorse the application of Beverley Hillier, Manager, Planning Services to the Source Water Protection Committee as a municipal representative.

Option 2:

Do not endorse the application of Beverley Hillier, Manager, Planning Services to the Source Water Protection Committee as a municipal representative.

Recommended Option

Option 1 is the recommended option.

That City Council endorse the application of Beverley Hillier, Manager, Planning Services to the Source Water Protection Committee as a municipal representative.

Respectfully submitted,

John Severino, P. Eng., FEC, M.B.A.
Managing Director, Community Services

David Euler, P.Eng
Managing Director, Engineering,
Environmental Services and Works

JS/dlb

C11 / RTC CSBU 2017-53 / SOURCE WATER PROTECTION COMMITTEE – MUNICIPAL APPOINTMENT

I concur with this report and recommendations.

A. Keith Robicheau
Chief Administrative Officer

Personnel designated for continuance: John Severino, Managing Director, Community Services
David Euler, Managing Director, Engineering, Environmental Services and Works

North Bay, ON October 3, 2017

Subject: Report from David Euler dated September 26, 2017 re Private Approach By-Law

File No. SIRE/C01/2017/BYLAWS/PRIVATEAPPROACH

Res. 2017 - _____

Moved by Councillor: _____

Seconded by Councillor: _____

That Report to Council EESW 2017-11 dated September 26, 2017 from David Euler re Private Approach By-Law be referred to the Engineering and Works Committee.

Carried

☐

Carried as amended

☐

Lost

☐

Conflict_____

Endorsement of Chair_____

Yeas _____

Nays _____

Record of Vote (*Upon Request of Councillor* _____)

Signature of Clerk_____

City of North Bay Report to Council

Report No: EESW-2017-011

Date: September 26, 2017

Originator: David Euler, Managing Director of Engineering,
Environmental Services & Public Works

Subject: **Private Approach By-Law**

RECOMMENDATION

That City Council adopts the Private Approach By-Law which will regulate the design, installation and maintenance of private approaches within the City of North Bay.

BACKGROUND

Private approaches (which typically include culverts) to all types of properties are generally installed at the time of construction and are paid for by the property owner.

Prior to 2015, the City assumed the approach culvert after installation and completed any repairs and replacements as required and warranted. The 2015 Operating budget included a significant service level change which eliminated the City's responsibility for repairs and replacements to private approaches including culverts. The total savings directly related to this service level change has been \$241,000 per year.

Moving forward from 2015, owners with heaved or rotten culverts would be responsible to repair or replace at their own expense. The city would only replace culverts that were: a) removed for water and sewer repairs; b) part of a ditching project which involved deepening of the existing ditch line; or c) being removed as part of a capital project which altered drainage or storm water runoff.

This comprehensive new Private Approach By-Law being proposed, was created using templates from other municipalities and includes many technical aspects needed to adopt standards with regard to location, size, slope, etc., of private approaches. The by-law also provides specific detail as to who is responsible for maintenance and replacement of installed culverts.

In general, the owner of a property requiring a private approach is responsible for maintenance and replacement of installed culverts within private approaches except under certain specific situations as follows:

Arterial or Collector highways to Residential Property:

The maintenance or replacement of a private approach to a Residential Property that abuts an arterial or collector highway as designated on the City's Official Plan, shall be the shared responsibility of the abutting Owner of the Residential Property and the City. As this type of private approach is more costly to maintenance and replace, the cost sharing will be as follows:

The first \$2,000 of the replacement cost will be borne by the Owner and the balance of the costs will be borne by the City. Resurfacing will be to City Standards (gravel) and any other upgrades to the resurfacing will be borne by the Owner.

Crossing of Major Storm Sewers to Residential Property:

The maintenance or replacement of a private approach to a Residential Property that crosses a major storm sewer, as determined by the City Engineer, shall be the shared responsibility of the abutting Owner and the City. As this type of private approach is more costly to maintenance and replace, the cost sharing will be as follows:

The first \$2,000 of the replacement cost will be borne by the Owner and the balance of the costs will be borne by the City. Resurfacing will be to City Standards (gravel) and any other upgrades to the resurfacing will be borne by the Owner.

Not-for-Profit Corporations and Non-Profit use

The maintenance or replacement of a private approach to a property where the Owner is a registered not for profit, and the Owner's use of the property would be classified as Non-Profit use under the City's Zoning by-law, then the maintenance and upkeep of the private approach, shall be by the City.

The new shared responsibility for maintaining and replacing culverts in certain circumstances, as detailed above, will increase the 2018 operating budget by \$40,000.

It should also be noted that where the condition of a private approach does not comply with the provisions of this by-law, the City Engineer shall give written notice to the Owner specifying the remedial work that must be carried out.

If the Owner has not completed the remedial work within a reasonable time frame at the discretion of the City Engineer or if, in the opinion of the City Engineer there is a transportation or safety conflict, the City Engineer may order the remedial work to be done at the Owner's expense, and all costs incurred by the City in completing the remedial work shall be paid by the Owner.

Option 1

That City Council adopts the proposed Private Approach By-Law. This option is recommended.

Option 2

That North Bay City Council rejects the proposed Private Approach By-Law and provides staff with new direction on how to fund the costs of repairing, maintaining and replacing failing infrastructure with private approaches.

RECOMMENDED OPTION

That City Council adopts the Private Approach By-Law as proposed.

Respectfully submitted,

**David Euler, P. Eng., PMP.
Managing Director/City Engineer
Engineering, Environmental Services
& Works**

We concur in this report and recommendation.

**Beverley Hillier, MCIP, RPP
Manager, Planning Services**

**John Severino, P. Eng., FEC, M.B.A.
Managing Director, Community
Services**

**Margaret Karpenko, CPA, CMA
Chief Financial Officer/Treasurer**

**Christina A. (Tina) Murphy,
Assistant Solicitor/City Prosecutor**

**A. Keith Robicheau
Chief Administrative Officer**

The Corporation of the City of North Bay
By-Law No. 2017-**

(Private Approach By-Law)

**Being a By-Law to regulate the use of private approaches placed on
municipal road allowances providing access to private abutting lands in the City of
North Bay**

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The Corporation of the City of North Bay

By-Law No. 2017-xx

Being a By-Law to regulate the use of private approaches placed on municipal road allowances providing access to private abutting lands

Whereas section 9 of the *Municipal Act, 2001*, SO 2001, c. 25, as amended, provides that a municipality has the capacity, rights, powers and privileges of a natural person for the purpose of exercising its authority under that Act or any other Act;

And whereas section 10(1) of the *Municipal Act, 2001* provides that a single-tier municipality may provide any service or thing that the municipality considers necessary or desirable for the public;

And whereas section 10(2) of the *Municipal Act, 2001* provides that a single-tier municipality may pass by-laws respecting: in paragraph 5, social and environmental well-being of the municipality; in paragraph 6, health, safety and well-being of persons; in paragraph 7, services and things that the municipality considers necessary or desirable for the public; and in paragraph 8, protection of persons and property;

And whereas section 96 of the *Municipal Act, 2001* provides that a municipality may, for the purpose of preventing damage to property in the municipality as a result of flooding, exercise its powers under the “drainage and flood control” sphere of jurisdiction in relation to flood control in the municipality, in another municipality or in unorganized territory;

And whereas section 8(1) of the *Municipal Act, 2001* provides that the powers of a municipality under the *Municipal Act, 2001* shall be interpreted broadly so as to confer broad authority on a municipality to enable it to govern its affairs as it considers appropriate and to enhance its ability to respond to municipal issues;

And whereas section 391(1) of the *Municipal Act, 2001* provides that a municipality may pass by-laws imposing fees or charges on persons for services or activities provided or done by or on behalf of it;

And whereas section 429 provides that a municipality may establish a system of fines for offences under a by-law of the municipality passed under the *Municipal Act, 2001*;

And whereas the City deems it necessary to regulate the use of private entrances placed on municipal road allowances providing access to private abutting lands;

Now therefore the Council of The Corporation of the City of North Bay hereby enacts as follows:

Part 1 – Interpretation

- 1.1 This By-Law may be cited as the “Private Approach By-Law”.
- 1.2 If any provision or part of a provision of this By-Law is declared by a court of competent jurisdiction to be illegal or inoperative in whole or in part, or inoperative in particular circumstances, such provision or part of the provision shall be deemed to be severable, and the balance of the By-Law, or its application in other circumstances, shall not be affected and shall continue to be in full force and effect.
- 1.3 For the purposes of this By-Law, the following definitions shall apply:
- “**Apartment**” means a building consisting of five or more dwelling units, which units have a common entrance either directly to the outside or through a common vestibule and the occupants of which have the right to use, in common, halls, stairs, elevators, yards or any combination of the above but shall not include a townhouse.
- “**Boulevard**” means and includes all portions of the highway save and except the sidewalks, shoulder, and roadway.
- “**Chief Financial Officer**” means the Chief Financial Officer / Treasurer for the City or his/her authorized representative.
- “**City**” means The Corporation of the City of North Bay.
- “**City Engineer**” means the Managing Director of Engineering, Environmental Services and Public Works for the City or his/her authorized representative.
- “**Contractor**” means a person who contracts to undertake the execution of work commissioned by an owner or the City pursuant to this By-Law.
- “**Culvert**” means a sub-surface pipe with a circular, elliptical or rectangular cross-section of corrugated steel, or any other such material approved by the City Engineer, which acts as a conduit for storm water within a highway.
- “**Farm**” means a parcel of land used for agricultural purposes including the growing of crops and raising of animals;
- “**Farm Entrance**” means an opening on to a highway from a farm for access to barns, out-buildings or the farm residence;
- “**Field Entrance**” means an opening on to a highway from a farm field for the passage of vehicles and animals, for cartage, and for any other agricultural purposes;
- “**Frontage**” means the length of the common boundary between privately-owned land and the highway or highways;

“Gas Bar” means the use of lands, buildings, or structures where vehicle fuel or lubricants are offered for sale, but where no provision is made for the repair or maintenance of vehicles. For the purpose of this definition, a gas bar may include a convenience store or an automobile washing establishment as an accessory use.

“Grade” means the percentage (%) rate of the rise or fall of the private approach with respect to the horizontal;

“Headwall” means a vertical wall at the end of a culvert used to prevent earth from spilling into the ditch;

“Highway” means a public way for purposes of vehicular or pedestrian travel, including the entire dedicated area, with or without provision made for curbs, sidewalks and/or paved gutters and owned and maintained by the City or Ministry of Transportation and, except as otherwise provided herein, includes the area between the lateral property lines thereof;

“Highway Line” means the line forming a common boundary between private property and the highway;

“Intersection” means the area within the projection or connection of the lateral boundary lines of two or more highways that meet one another at an angle whether or not one highway crosses the other;

“Not-for-Profit Corporation” means a corporation that operates without profit or gain for special or charitable purposes such as, but not limited to, a club or a community centre, but does not include a church, school facility, public park, playground, arena, stadium, swimming pool, skating rink, commercial-recreational establishment or any class of group home.

“Owner” means any person who is the registered owner of land abutting a highway, or any agent thereof, or a person entitled to a limited estate in the land, a trustee in whom the land is vested, a committee of the estate of a mentally incompetent person who is an owner of the land, an executor of an estate which includes the land, or an administrator or guardian who has responsibility for the land on behalf of the owner.

“Parking Space” means that portion of a parking area, exclusive of any driveway or aisle, which is used for the parking of not more than one motor vehicle;

“Person” includes any person, association, partnership, corporation, municipal corporation, corporation created under the *Condominium Act, 1998*, SO 1998, c. 19, organization, agent or trustee, heir, executor or other legal representative of a person to whom the provisions and regulations of this By-Law can apply according to law.

“Private Approach” means an improved surface and, where required, a culvert within a highway and used by the owner or occupant of private property adjacent to the highway for vehicular access.

“Private Property” means all land other than City and Crown land.

“Property Line” means the common boundary line between adjacent private properties.

“Public Garage” includes a gas bar, a parking station, a parking lot, a building or place where motor vehicles are hired or kept or used for hire, a building or place where vehicles, gasoline or oils are kept for sale, a building or place used as an automobile service station, and a building or place used for washing or cleaning motor vehicles.

“Residential Property” means a property for which the sole use is a residential purpose, but does not include an apartment dwelling as defined in the Zoning By-Law or a condominium registered under the *Condominium Act, 1998*.

“Roadway” means that part of a highway that is improved, designed or ordinarily used for vehicular traffic, but does not include the shoulder and, where a highway includes two or more separate roadways, the term “roadway” refers to any one roadway separately and not to all of the roadways collectively.

“User Fee By-Law” means The Corporation of the City of North Bay’s User Fee By-Law No. 2015-23 and any successor by-law thereto.

“Shoulder” means that part of a highway immediately adjacent to the roadway and having a surface of asphalt, concrete or gravel, for the use of vehicles.

“Sidewalk” means that part of a highway set aside by the City for the use of pedestrians.

“Street Line” means the line defined by the edge of pavement, curb or travelled roadway.

“Temporary Private Approach” means a private approach permitted by the City Engineer for a temporary period during construction, repair or improvement on private property or for any other purpose approved by the City Engineer.

“Vehicle” includes a motor vehicle, trailer, traction engine, farm tractor, bicycle, road building machine and any vehicle drawn, propelled or driven by any kind of power, including muscular power, or as otherwise defined under the *Highway Traffic Act*, RSO 1990, c. H.8, but does not include a motorized snow vehicle or a street car.

“Zoning By-law” means the City of North Bay Zoning By-law No. 2015-30, as amended, and any successor by-law thereto.

Part 2 – Private Approach Permit

- 2.1 No person shall construct, relocate, alter or close a private approach without first obtaining a private approach permit from the City Engineer in accordance with the provisions of this By-Law.
- 2.2 Despite section 2.1, a private approach permit is not required for a private approach approved through the City’s Site Plan, Subdivision or Condominium approval process.
- 2.3 An application for a permit under this By-Law shall be made by the owner or authorized representative of the owner.
- 2.4 The applicant for a private approach permit shall pay a permit fee that includes an inspection fee for the private approach installation as set out in the User Fee By-Law.
- 2.5 No permit shall be issued for a private approach the purpose of which is to provide access to a parking space or parking area which is contrary to the City’s Zoning By-Law or any other City by-law.
- 2.6 When applying for a private approach permit, the applicant shall provide a plan showing the following required information with the application:
 - (a) the dimensions of the private property for which the application is being made;
 - (b) the dimensions of any adjoining property owned by the applicant/owner;
 - (c) the location and dimensions of the parking space or parking area;
 - (d) the location and distance to any intersection along the street line;
 - (e) if required by the City Engineer, an up-to-date legal survey plan of the private property;
 - (f) the size, type of construction, and grade of each existing and proposed private approach;
 - (g) the dimensions of any existing culverts;
 - (h) the location of any controlled access designation which has been applied to the frontage; and

- (i) any 0.3 metre reserves which may exist between the private property for which the application is being made and the adjacent highway.
- 2.7 If the City Engineer is satisfied that an application for a private approach complies with the provisions of this By-Law, approval shall be granted in writing in the form of a permit by the City Engineer. Where a culvert is required for the private approach, pursuant to section 3.10 of this By-Law, the permit will confirm culvert size, material type and other relevant information and the installation will be subject to the applicant obtaining a street work permit. When the street work permit is issued, offset grades for the culvert will be provided.
- 2.8 A private approach permit expires on the date specified by the City Engineer in the permit.

Part 3 – General Regulations

- 3.1 Any person constructing a private approach, or causing a private approach to be constructed, shall ensure that it is constructed in accordance with the provisions of this By-Law.
- 3.2 A private approach shall conform to the width requirements provided by s. 4.3.1.6 of the Zoning By-law as set out in Table 1, below:

Table 1 - Ramp Widths:

	Residential Zone		Commercial Zone		Industrial Zone	
	Minimum Width	Maximum Width	Minimum Width	Maximum Width	Minimum Width	Maximum Width
One-Way Ramp	3 m	4.3 m	4.5 m	7.5 m	5 m	9 m
Two-Way Ramp	6 m	7.3 m	7.2 m	12 m	9 m	15 m

- 3.3 The centerline of a private approach shall intersect the centerline of the roadway as nearly as practicable at a right angle, but in no case shall the acute angle between the centre line of the private approach and the centerline of the roadway be less than 70 degrees.
- 3.4 No person shall construct on a private approach any curbing, headwalls, decorative stonework or landscaping or place any object on a roadway or sidewalk, the height of which extends above the level of the shoulder or the private approach.
- 3.5 The sloped or ramp portion of a private approach shall not extend into the roadway.

- 3.6 Every subsurface melting device installed under a private approach shall be maintained at the expense of the owner of the property adjoining or connected with the private approach.
- 3.7 Despite any other provisions of this By-Law, the City Engineer may alter, or require to be altered, the direction of the grade and horizontal distances on which the direction of the grade applies on a private approach, provided such alterations do not create any drainage issues or hazardous conditions.
- 3.8 Despite any other provisions of this By-Law, no person shall construct a private approach that, in the opinion of the City Engineer, will create hazardous conditions due to inadequate sight lines, horizontal or vertical alignments or other considerations.
- 3.9 The City Engineer may specify a location and design for a private approach that, in the City Engineer's opinion, will eliminate or minimize such hazardous condition.
- 3.10 Where no pipe storm sewer system is available, the construction of a private approach may require a culvert, as determined by the City Engineer, in which case the applicant will also require a street work permit. This construction shall be carried out by the applicant's contractor, or the City at the applicant's expense.
- 3.11 The applicant for a private approach permit shall, along all frontages of the property for which an application has been approved, remove any private approach, culvert, curb, sidewalk or ancillary installation which becomes redundant and shall also remove any private approach which contravenes this By-Law by reason of the construction, relocation or alteration of any private approaches as proposed in the application.
- 3.12 Any removal as prescribed by section 3.11 shall be carried out by the owner at the same time as the construction of the private approaches in accordance with the terms of the permit issued by the City Engineer.
- 3.13 Every person who closes a private approach shall reinstate, at his or her expense, the sidewalk, shoulder, curb and boulevard to City standards.
- 3.14 The maintenance and replacement of a private approach, including any curbs, headwalls and culverts, shall be the responsibility of the abutting owner, except as provided for under sections 3.15 and 3.16 of this By-Law.
- 3.15 Notwithstanding any other provisions in this By-Law relating to responsibility for costs, where a private approach to a Residential Property abuts an arterial or collector highway as designated on the City's Official Plan, or crosses a major storm sewer as determined by the City Engineer, the maintenance and replacement of the

private approach shall be the shared responsibility of the abutting owner and the City in accordance with the following:

- (a) the owner will be responsible for the first \$2,000 of the replacement cost;
 - (b) the City will be responsible for the balance of the costs; and
 - (c) resurfacing will be to City standards (gravel) provided that, should the owner wish to upgrade the resurfacing, the owner will be solely responsible for the costs of the upgrading.
- 3.16 Notwithstanding any other provisions in this By-Law relating to the responsibility for costs, where a private approach abuts a property where the owner is a not-for-profit corporation as defined by this By-Law and the owner's use of the property would be classified as "Non-Profit use" under the Zoning By-Law, the maintenance and replacement of the private approach shall be conducted by the City at no expense to the not-for-profit corporation.
- 3.17 Where a private approach to a property with 50 or more parking spaces carries traffic which, in the opinion of the City Engineer might impact adversely the quality of traffic service on the adjacent highway, the owner shall:
- (a) provide an access impact study;
 - (b) pay for additional road works required to maintain the quality of traffic service on the adjacent highway, including channelization, deceleration lanes, weaving lanes and traffic control signal installations, which shall be constructed to the satisfaction of the City Engineer; and
 - (c) convey at no cost to the City any land required for the purposes set out in subsection (b).
- 3.18 Where a private approach has been approved for the exclusive use of North Bay Fire and Emergency Services vehicles, the private approach shall be constructed according to City standards for access to fire routes.
- 3.19 Where the City undertakes any capital construction or reconstruction work on a highway that affects a private approach:
- (a) the City shall undertake restoration of the private approach to City standards, at no cost to the owner; and
 - (b) if the private approach does not conform to this By-Law, the City shall replace the non-conforming private approach:
 - (i) with a new conforming private approach; or

- (ii) where, in the opinion of the City Engineer, it is not possible to conform to this By-Law, with a non-conforming private approach in a location and with a design approved by the City Engineer, provided no operational or safety concerns result.

Part 4 – Private Approaches for Public and Institutional Purposes, Commercial and Industrial Properties and Apartment Dwellings

- 4.1 In addition to any other provisions of this By-Law, the provisions of this Part apply to private approaches for public, institutional, commercial and industrial purposes and apartment dwellings.
- 4.2 The maximum number of private approaches permitted for properties used for public, institutional, commercial, or industrial purposes and apartment dwellings shall be based on the amount of frontage, as follows:
 - (a) properties with less than 20 metres of frontage: one two-way private approach;
 - (b) properties with 20 metres to 34 metres of frontage: one two-way private approach or two one-way private approaches;
 - (c) properties with 35 metres to 45 metres of frontage: two two-way private approaches or two one-way private approaches;
 - (d) properties with 46 metres to 150 metres of frontage, one two-way private approach and two one-way private approaches; or two two-way private approaches; and
 - (e) for each additional 90 metres of frontage in excess of 150 metres, one two-way private approach or two one-way private approaches.
- 4.3 On a corner lot or a lot abutting on more than one highway, the provisions of section 4.2 of this By-Law shall apply to each frontage separately.
- 4.4 Despite the provisions of section 3.2 of this By-Law, private approaches in excess of 9 metres in width at the street line, and at the curb line or edge of roadway, may be permitted for off-street bus loading areas, transport loading areas and stations operated by the North Bay Fire and Emergency Services or other such areas as deemed required by the City Engineer.
- 4.5 Where, in the opinion of the City Engineer, it is desirable to provide a median between two private approaches intended for one-way operation:
 - (a) the median shall have a minimum width of 2 metres; and

- (b) the length of the median shall be determined by the City Engineer.
- 4.6 All one-way private approaches shall be designated with suitable signs erected in a conspicuous location adjacent to the highway to indicate the direction of traffic for which the private approach is intended, and all signs shall be erected and maintained by the owner to the satisfaction of the City Engineer.
- 4.7 The minimum distance between the nearest limits of a private approach intended for two-way vehicular traffic and any other private approach to the same property shall be not less than 9 metres measured at the street line and at the curb line or roadway edge.
- 4.8 The minimum distance between the nearest limits of any two private approaches intended for one-way vehicular traffic to or from the same property shall not be less than 2 metres, measured at the street line and at the curb line or roadway edge.
- 4.9 Despite the provisions of sections 4.7 and 4.8, where a property abuts on or is within 46 metres of an arterial or collector highway as designated on the City's Official Plan, the minimum distance permitted between a private approach and the nearest intersecting street line or any other private approach shall be as set out in Table 2 below, with all distances being measured at the street line:
- (a) in the case of a shopping centre, a public parking lot, a parking lot for the use of customers of a retail or wholesale business, a public garage, a personal service establishment or an eating establishment, any of which has a parking area which can accommodate the number of parking spaces set out in Column 1 of Table 2 below, the minimum distance shall be as set out in the corresponding rows of columns 3 and 4 of Table 2; and
 - (b) in the case of a hotel, an office building, an apartment building, a property used for public purposes, or an industrial development, any one of which has a parking area which can accommodate the number of parking spaces set out in Column 2 of Table 2, the minimum distance shall be as set out in the corresponding rows of columns 3 and 4.

Table 2 – Minimum Distances Required from Private Approach:

Column 1	Column 2	Column 3	Column 4
Number of Parking Spaces s. 4.10(a)	Number of Parking Spaces s. 4.10(b)	Minimum Distance Between Private Approach and Nearest Intersecting Street Line	Minimum Distance Between Two-Way Private Approach and Any Other Private Approach
Up to 40	20 to 99	18 metres	15 metres

Column 1	Column 2	Column 3	Column 4
Number of Parking Spaces s. 4.10(a)	Number of Parking Spaces s. 4.10(b)	Minimum Distance Between Private Approach and Nearest Intersecting Street Line	Minimum Distance Between Two-Way Private Approach and Any Other Private Approach
50 to 99	100 to 199	30 metres	30 metres
100 to 199	200 to 299	45 metres	45 metres
200 to 299	300 or more	60 metres	60 metres
300 or more		75 metres	75 metres

- 4.10 Where an owner whose property abuts two or more highways is unable to comply with the provisions of section 4.9 of this By-Law, a private approach shall be permitted only on the highway carrying the lesser volume of vehicular traffic and the private approach shall be located as far from the nearest intersection as possible. In cases where the vehicular traffic volumes on the abutting highway are essentially equal, a private approach shall be permitted only on the highway which allows the private approach to be located as far from the nearest intersection as possible.
- 4.11 No person shall construct a private approach within an intersection or on the corner radius of an intersection or within 1.5 metres of the point of tangency of such radius or so that the distance between the nearest limit of a private approach and the intersecting street line or its extension is less than 9 metres.
- 4.12 No person shall construct a private approach within 3 metres of any property line measured at the highway line and at the curb or the edge of the roadway unless the property abuts only one public highway and the width of the frontage does not allow a private approach width as required by this By-Law in addition to the 3 metres offset from the adjoining property lines, in which case the City Engineer may reduce the offset to a minimum of 0.3 metres provided that the proposed access is located:
- (a) a safe distance from the access serving the adjacent property;
 - (b) in such a manner that there are adequate sight lines for vehicles exiting from the property; and
 - (c) in such a manner that it does not create a traffic hazard.
- 4.13 Subject to section 4.12, in the case of a private approach including a culvert, the 3 metre setback from the adjacent property line shall be measured from the end of the culvert, headwall or closest part of the private approach to the adjacent property line.

- 4.14 Despite section 4.12, a private approach may be constructed in such a manner that it is less than 3 metres from an adjoining property measured at the highway line and at the curb line or edge of the roadway if it is approved through Site Plan Control in accordance with the provision of the *Planning Act*, RSO 1990, c. P.13.
- 4.15 No person shall construct a private approach serving any parking area with a grade exceeding 2% and the grade on the private approach shall descend in the direction of the roadway.
- 4.16 No person shall construct a private approach serving a parking area with less than 50 parking spaces, with a grade exceeding 2% within the private property for a distance of 6 metres from the highway line or future highway line.
- 4.17 No person shall construct a private approach serving a parking area with more than 50 parking spaces, with a grade exceeding 2% within the private property for a distance of 9 metres from the highway line or future highway line.
- 4.18 Despite sections 4.16 and 4.17, the City Engineer may issue a permit for a private approach subject to such conditions and restrictions as the City Engineer may deem necessary, provided that the proposed access is located:
- (a) a safe distance from the access serving the adjacent property;
 - (b) in such a manner that there are adequate sight lines for vehicles exiting the property; and
 - (c) in such a manner that it does not create a traffic hazard.

Part 5 – Private Approaches to Farms and Fields

- 5.1 A private approach for a farm entrance or a field entrance shall be subject to any conditions which the City Engineer may, from time to time, deem necessary for the safe and efficient movement of vehicles on a highway.
- 5.2 When imposing conditions on the granting of a permit for a private approach for a farm entrance or a field entrance, the City Engineer shall consider the effect of the proposed private approach on the movement and safety of vehicles and pedestrians, possible future uses of the adjacent highway, and any other factors deemed relevant in the circumstances.
- 5.3 The grade on a private approach for:
- (a) a farm entrance shall not exceed 6 %; and
 - (b) a field entrance shall not exceed 10 %.

Part 6 – Temporary Private Approach

- 6.1 Despite any other provision of this By-Law, the City Engineer may issue a permit for a temporary private approach, subject to such conditions and restrictions as the City Engineer may, from time to time, deem necessary for the safe and efficient movement of pedestrians and vehicles, including the removal and reinstatement of traffic signs and traffic signals.
- 6.2 When a temporary private approach requires the hooding or removal of parking meters, the permit holder shall be responsible for the costs of the hooding or removal and for all municipal costs associated with the temporary private approach, including lost parking meter revenues.
- 6.3 When a temporary private approach requires the erection, removal or relocation of any traffic control device including, but not limited to, traffic signals and traffic signs, the permit holder shall be responsible for the cost of all work involved to the satisfaction of the City Engineer.

Part 7 – Owner to Remedy Defects

- 7.1 In the event that the City Engineer becomes aware that the condition of a private approach does not comply with the provisions of this By-Law, the City Engineer shall provide written notice to the owner, which shall include:
 - (a) a description of the nature of the non-compliance;
 - (b) an order to bring the private approach into compliance with this By-Law;
 - (c) the time within which compliance must be achieved, which shall be a reasonable time frame at the discretion of the City Engineer, and taking into account whether there are any transportation or safety conflicts; and
 - (d) notice that, in default of the work being done by the owner within the time required, the City may bring the private approach into compliance, at the owner's expense.
- 7.2 Where the City Engineer orders an owner to bring a private approach into compliance under this By-Law, the owner shall do so within the time provided in the notice, to the satisfaction of the City Engineer.
- 7.3 If compliance is not achieved within the time provided in the notice, the City Engineer may, at his or her discretion cause the necessary work to be done to bring the private approach into compliance, at the owner's sole expense.

- 7.4 In the event that the City Engineer exercises the authority to conduct remedial work under this Part, the City may recover the costs of doing the work:
- (a) by invoicing the owner; and
 - (b) in the event that the owner fails to make payment in full by the due date indicated in the invoice, by adding the costs to the tax roll, in which case the costs will be collected in the same manner as property taxes, and the provisions of section 446 of the *Municipal Act, 2001* with respect to interest and liens shall apply.
- 7.5 The City shall not be liable for any loss or damage to property or otherwise, which may arise from the work carried out by the City in accordance with this Part.

Part 8 – Removal of Unauthorized Private Approaches

- 8.1 In the event that the City Engineer becomes aware of an unauthorized private approach, he/she may give notice to the owner of the property to remove forthwith the unauthorized private approach and to reinstate the highway to the condition it was in before the unauthorized private approach was constructed. In such event, the notice, default, remedial, cost recovery and liability provisions of Part 7 of this By-Law shall apply with the necessary modifications.
- 8.2 When an unauthorized private approach is being constructed on a highway, the City Engineer may take whatever action he/she deems necessary to stop the work.
- 8.3 A private approach that has been installed in a manner that does not comply with the provisions of this By-Law and the City's standards may be considered by the City Engineer as an unauthorized private approach.

Part 9 – Enforcement

- 9.1 No person shall hinder or obstruct, or attempt to hinder or obstruct, the City or any of its officers, contractors, agents, servants or workers in the exercise of any power conferred by this By-Law.
- 9.2 No person shall hinder or obstruct, or attempt to hinder or obstruct, any by-law enforcement officer authorized by the City to enforce this By-Law in the execution of his or her duties relating to enforcement of this By-Law.
- 9.3 Any person who contravenes any provision of this By-Law is guilty of an offence.
- 9.4 Any director or officer of a corporation who knowingly concurs in the contravention by the corporation of any provision of this By-Law is guilty of an offence.

- 9.5 Any person who fails to comply with an order made by the City Engineer pursuant to the provisions of this By-Law is guilty of an offence.
- 9.6 Any person who contravenes an Order issued by a court pursuant to this By-Law is guilty of an offence.
- 9.7 Any person who is found guilty of an offence under this By-Law is liable to a minimum fine of \$200.00 and a maximum fine of \$50,000.00.
- 9.8 Notwithstanding the provisions of section 9.7, where the person found guilty is a corporation, the corporation is liable to a minimum fine of \$500.00 and a maximum fine of \$100,000.00
- 9.9 If any provision of this By-Law is contravened and a conviction entered, in addition to any other remedy and to any penalty imposed by this By-Law, the court in which the conviction has been entered and any court of competent jurisdiction thereafter may make an order prohibiting the continuation or repetition of the offence by the person convicted.
- 9.10 Any fine imposed under this Part shall be payable in addition to any fees, charges and costs payable under this By-Law.

Part 10 – Liability for Damages

- 10.1 In addition to any other provisions of this By-Law and in addition to any penalty or remedy pursuant to this By-Law, any person who violates the provisions of the By-Law is liable for all damages occasioned to the City thereby, payable to the City forthwith.

Part 11 – Coming into Force

- 11.1 This By-Law comes into force on ***.

Read a First Time in Open Council this *** day of **, ****.

Read a Second Time in Open Council this *** day of **, ****.

Read a Third Time in Open Council and Enacted and Passed this *** day of **, ****.

Mayor Allan McDonald

City Clerk Karen McIsaac

North Bay, ON October 3, 2017

Subject: Report from Paul Valenti and Remi Renaud dated September 25, 2017 re
Purchase of Two (2) Low Floor Para-Buses

File No. SIRE/F18/2017/TENDER/GENERAL

Res. 2017 - _____

Moved by Councillor: _____

Seconded by Councillor: _____

That City Council approve the award of a contract to Creative Carriage Ltd. in the total amount of \$223,448.00 (plus HST) for the purchase of two (2) transit para-buses.

Carried

☐

Carried as amended

☐

Lost

☐

Conflict_____

Endorsement of Chair_____

Yeas _____

Nays _____

Record of Vote (*Upon Request of Councillor* _____)

Signature of Clerk_____

City of North Bay

Report to Council

Report No: CORP 2017-81

Date: September 25, 2017

Originator: Paul Valenti / Remi Renaud

Subject: Purchase of Two (2) Low Floor Para-Buses

Recommendation

That City Council approves the award of a contract to Creative Carriage Ltd. in the total amount of \$223,448.00 (plus HST) for the purchase of two (2) transit para-buses.

Background

North Bay City Transit currently operates six para-buses. The transit fleet renewal program includes a scheduled life-cycle replacement plan to replace each Para-bus every seven years. Two units have reached the end of their useful-life and are scheduled for replacement this year. Both para-buses are in very poor condition and refurbishment would not be cost effective. Continued operation of these units will result in significant ongoing operating costs.

The two new low floor para-buses being recommended are slightly smaller than the units being replaced and will offer greater ease of accessibility for wheelchair and ambulatory passengers. The new vehicles are equipped with side and rear access ramps as opposed to the current hydraulic lift system and will be more operationally efficient from a scheduling and maintenance perspective.

A portion of the purchase is eligible under the Public Transit Infrastructure Fund (PTIF) and the Dedicated Gas Tax Fund for Public Transportation Program.

The City continues to participate in the Metrolinx joint procurement of transit buses initiative which through a public process establishes standing offers to purchase transit vehicles. The initiative benefits the City through leveraged purchasing power and reduced administrative costs. Council Resolution No. 2014-44 authorized execution of the Metrolinx joint procurement governance agreement.

Analysis / Options

1. Award a contract to Creative Carriage Ltd.
 2. Do not award a contract. This option is not recommended. Refurbishment and ongoing maintenance of the current buses is not cost-effective and will negatively impact future operating budgets.
-

Recommended Option / Financial Implications:

Option 1 is recommended as follows:

That City Council approves the award of a contract to Creative Carriage Ltd. in the total amount of \$223,448.00 (plus HST) for the purchase of two (2) transit para-buses.

Sufficient funding for this purchase is available in Capital Project 3725TR - Transit Vehicle Purchase – Paravans. Approximately \$102,000 of the purchase will be funded through the Public Transit Infrastructure Fund and the Dedicated Gas Tax Fund.

Respectfully submitted,

Paul Valenti
Purchasing Manager

Remi Renaud
Transit Manager

We concur in this report and recommendation.

John Ouellette
Fleet Manager

Margaret Karpenko, CPA, CMA
Chief Financial Officer/Treasurer

John Severino, P.Eng, FEC, M.B.A.
Managing Director, Community Services

A. Keith Robicheau
Chief Administrative Officer

North Bay, ON October 3, 2017

Subject: Report from Margaret Karpenko dated September 25, 2017 re 2018 General Capital Budget, 2018 Water and Wastewater Capital Budget, with the 2019-2027 Capital Forecast Plan

File No. SIRE/F05/2018/CAPBU/GENERAL

Res. 2017 - _____

Moved by Councillor: _____

Seconded by Councillor: _____

That City Council receives the proposed 2018 General Capital Budget and 2018 Water Wastewater Capital Budget as presented in Appendix "A" attached to Report to Council CORP 2017-83 dated September 25, 2017 from Margaret Karpenko and refer the documents to the General Government Committee.

Carried

☐

Carried as amended

☐

Lost

☐

Conflict_____

Endorsement of Chair_____

Yeas _____

Nays_____

Record of Vote (*Upon Request of Councillor* _____)

Signature of Clerk_____

City of North Bay

Report to Council

Report No: CORP 2017 - 83 September 25, 2017
Originator: Margaret Karpenko
Subject: 2018 General Capital Budget and 2018 Water and Wastewater Capital Budget, with the 2019-2027 Capital Forecast Plan

Recommendations:

That City Council receives the proposed 2018 General Capital Budget and 2018 Water and Wastewater Capital Budget as presented in Appendix A to Report to Council CORP 2017-83 and refers the documents to the General Government Committee.

Background:

1. General Capital Budget Long Term Capital Funding Envelope

The development of the 2018 Capital Budget involved reprioritization of several capital projects in order to balance the 2018 capital requirements with available funding. The challenges presented to Council during the 2017 Capital Budget process continue to be experienced today as the growing needs of Service Partners combined with City infrastructure requirements far exceed identifiable funding sources over the 10 year planning horizon. Several capital projects have been deferred to the later four years of the forecast in order to balance the short term funding plan. The General Capital Budget Summary presented as part of Appendix A outlines that approximately \$30.4 million in funding is needed in order to align anticipated capital project expenditures with available funding. Without the introduction of additional revenue sources, such as provincial and federal grants, it is unreasonable that all projects identified within the 10 year forecast will proceed.

The Capital Levy includes a base adjustment of \$1,555,251 as a result of the elimination of vehicle replacement costs from the Capital Budget. Replacement of City vehicles will now be funded through the fleet reserve as part of the new fleet life cycle costing model.

The 2018 General Capital Budget and Forecast for 2019 to 2027 does not include any provision for the West Ferris Arena or the City's share of the Cassellholme redevelopment. Both of these projects represent significant investments for the City

and the appropriate funding strategy for each project will require careful consideration as to the impact on either the tax levy or the capital budget. High level funding options were presented to Council during the September 7th, 2017 Target Setting Meeting which included: (1) funding the projects through an increase to the tax levy or (2) funding the projects through the Capital Budget. While funding the West Ferris Arena and Cassellholme requirements through the Capital Budget would assist to minimize the tax levy increase, this approach would significantly reduce the amount of capital funding available to address other critical infrastructure projects within the City. The funding strategy for the West Ferris Arena will be reviewed in further detail and recommendations will be brought forward to Council through the work of the Special Committee appointed to the project. The Cassellholme redevelopment is contingent on legislative changes so timing of the project is currently unknown. However, it is expected that funding options for the redevelopment will be discussed as part of the Capital Budget deliberations scheduled for October 12th to ensure that the preferred funding option is identified should the project proceed within the 2018 fiscal year.

2. Water and Wastewater Capital Budget Long Term Capital Funding Envelope

It is recommended that a base adjustment of \$675,000 be made to the PAYGO levy within the Water and Wastewater Budget in order to align available funding sources with anticipated expenditures over the next 10 years. Anticipated net capital expenditures have been adjusted from the 2017 Capital Forecast due to the elimination of vehicle replacement costs which will now be funded through the fleet reserve as part of the new fleet life cycle costing model. Other factors affecting forecasted net project expenditures include revised design estimates, consideration of capacity to complete projects and reduced needs in some areas of the plan as a result of the payback experienced from previous capital investments.

3. Format of the Capital Budget

Projects within the 2018 Capital Budgets and related Forecasts have been grouped according to Business Unit. However, the asset categories recommended by the Special Review Committee – Long Term Financial Policies have been denoted on the summary pages of the Budget Reports with the following abbreviations added beside each project name:

- a. **Asset Improvement and Maintenance (AIM):** These projects address existing capital assets and major repairs, rehabilitation and maintenance to City infrastructure, facilities and equipment. These investments are intended to support expected asset life cycles, replacement of assets that have reached their end of life, and technological upgrades to assist in managing operating costs and improve on the delivery of services.

-
- b. **Strategic Investments (SI):** These projects include those that improve, enhance or expand the level of service offered to the community.
 - c. **Growth (G):** Projects that primarily address increased demands for services or are to stimulate growth and development of the City.

It is important to note that it is possible for some projects to be related to more than one of the above categories; however, these projects have been included in the category for which the majority of the project falls.

Analysis:

1. General Capital Budget

The General Capital Funding Policy Limit presented in the enclosed budget was prepared based on the Mayor's plan which includes the following amendments to the Policy Limit:

- Reduce the debenture authority from \$8,500,000 to \$5,000,000
- Allocate \$4,000,000 from calling the Hydro loans to fund the General Capital Budget

Furthermore, a 0.5% levy increase was added to the 2018 levy as planned during the previous year's Capital Budget deliberations. A 1% annual levy increase has been added to the funding levy in 2019 to 2027.

In 2017, the City received an additional \$575,204 in Ontario Community Infrastructure Fund (OCIF) grant which was used to grow the capital plan rather than to offset the PAYGO requirement. An additional \$491,911 is anticipated to be received in 2018 which will continue to be used to grow the City's capital plan. It should be noted that OCIF is applied to projects in a manner that is similar to grants and therefore does not form part of the General Capital Funding Policy Limit.

The proposed 2018 General Capital Budget is summarized as follows:

Gross General Capital Budget	\$21,108,445
Less: Other Funding Sources (Grants and Reserve Funding)	<u>(\$1,968,922)</u>
Net General Capital Budget	\$19,139,523
General Capital Funding Policy Limit	(\$19,558,045)
Less: Memorial Gardens Approved Future Funding Authority	<u>\$400,000</u>
Funding Available	(\$18,522)

Gross spending of \$21,108,445 is allocated as follows:

- 92% towards Asset Improvement and Maintenance Projects;
- 5% towards Growth Projects; and
- 3% towards Strategic Investment Projects.

2. Water and Wastewater Capital Budget

The proposed 2018 Water and Wastewater Capital Budget is summarized as follows:

Gross Water and Wastewater Capital Budget	\$11,594,000
Less: Other Funding Sources (Grants and Reserve Funding)	<u>(\$750,000)</u>
Net Water and Wastewater Capital Budget	\$10,844,000
Water and Wastewater Capital Funding Policy Limit	<u>(\$10,854,924)</u>
Estimated Available Funding	(\$10,924)

Gross spending of \$11,594,000 is allocated as follows:

- 98% towards Asset Improvement and Maintenance Projects;
- 2% towards Growth Projects; and
- 0% towards Strategic Investment projects

3. Capital Reserves:

The City's Reserve Fund Policy includes performance targets that are intended to achieve long-term financial stability and to support the Corporate Long-Term Strategic Plan. The performance target for discretionary capital reserve funds is at least 40% of the Capital Funding Policy Expenditure Limit. Based on the proposed 2018 General Capital and Water and Wastewater Budgets, the performance target is as follows:

Performance Target:	
2018 General Capital Funding Policy Expenditure Limit	\$19,558,045
2018 Water and Wastewater Capital Funding Policy Expenditure Limit	<u>\$10,854,924</u>
Total 2018 Capital Funding Policy Expenditure Limit	\$30,412,969
	* 40%
Performance Target for Discretionary Capital Reserves	\$12,165,188

As of September 25th, 2017, the projected balance of the City's total discretionary capital reserve funds is:

Projected Total Discretionary Capital Reserve Funds*:	
Completed General Capital Projects Reserve (99537R)	\$1,893,500
Water Systems Completed Capital Reserve (99522R)	\$3,097,982
Sanitary Sewer Completed Project Reserve (99575R)	\$940,849
Other Capital Reserves	\$9,411,704
Projected Total Discretionary Capital Reserve Funds	\$15,344,035

* There is currently \$6,543,816 in Council authorized transfers from capital reserves that have not yet been transferred out of the reserve funds (the authority for which was previously received through separate reports to Council). These transfers will be completed once the associated expenditures have been incurred. The balance reported above is shown after these transfers have been deducted from the related reserve balances.

The total projected balance of the discretionary capital reserve funds is above the performance targets by approximately \$3.2 million. It is important to note that since the performance target is calculated based on the annual Funding Policy Expenditure Limits, reductions to the PAYGO levy and debenture authority in recent years has reduced the performance target and hence closed the gap between actual discretionary capital reserve balances and the performance target. Additionally, the reserve balance increased by approximately \$4.8 million recently as a result of transferring the unspent capital funding for vehicle replacements to the new Fleet Life Cycle Reserve. The transfer was completed as part of the June 30th Variance Report to Council No. CORP 2017-64. Without this transfer, the reserve balances would be below the target. Vehicle purchases of approximately \$1.2 million are underway for end of life fleet and the reserve balance is expected to decline.

4. Risks – General Capital Budget and Forecast

The City's Asset Management Plan (AMP) was approved by Council in 2014 at which time only core infrastructure such as roads, bridges, and water and wastewater distribution and plants were required to be identified in the AMP. Senior Management is working to ensure the AMP is updated in time to comply with upcoming legislative changes and to ensure that all assets are incorporated into the revision. Currently, grant programs such as the Federal Gas Tax Fund and the Ontario Community Infrastructure Fund (OCIF) restrict funding to projects that have been identified in the City's approved AMP. This requirement limits the City's ability to use grants to fund projects outside of the current AMP. These restrictions together with the reductions made to the capital levy over recent years have created a misalignment between the eligibility of projects identified in the forecast and available funding sources. The same projects are typically eligible for Federal Gas Tax, OCIF and Debenture funding

whereas there is insufficient capital levy funding to support those projects that are ineligible for grant or debenture funding.

The Special Review Committee – Long Term Financial Policies is in the process of reviewing the Long Term Capital Funding Policy. The Committee will be tabling recommendations for Council's consideration in the next month. Any changes recommended by the Committee and approved by Council will affect the Capital Funding in Appendix A.

5. Process Moving Forward

A detailed review of individual capital projects is scheduled to occur at a Special Committee Meeting of Council on October 12th. In addition, October 16th and 19th have been earmarked for Special Committee Meetings for Capital Budget deliberations should Council require additional time to discuss these budgets. The goal of these meetings is to review and discuss the details of specific projects as well as to consider reprioritization of projects should West Ferris and/or Cassellhome be funded by the General Capital Funding Policy Limit. The Capital Budgets are tentatively scheduled to be approved by Council at the November 14th meeting.

Options:

- 1) That City Council receives the proposed 2018 General Capital Budget and 2018 Water and Wastewater Capital Budget as presented in Appendix A to Report to Council CORP 2017-83 and refers the documents to the General Government Committee.
- 2) Do not receive the proposed 2018 General Capital and 2018 Water and Wastewater Capital Budget as presented in Appendix A to Report to Council CORP 2017-83 and provide direction with respect to the development of the 2018 General Capital Budget and the 2018 Water and Wastewater Capital Budget.

Recommendations:

That City Council receives the proposed 2018 General Capital Budget and 2018 Water and Wastewater Capital Budget as presented in Appendix A to Report to Council CORP 2017-83 and refers the documents to the General Government Committee.

Respectfully submitted:

Margaret Karpenko, CPA, CMA
Chief Financial Officer / Treasurer

We concur in this report and recommendation.

Jason Whiteley
Fire Chief

David Euler, P.Eng., PMP
Managing Director, Engineering,
Environmental Services & Works

John Severino, P.Eng., MBA
Managing Director, Community Services

Lea Janisse
Managing Director, Corporate Services

A. Keith Robicheau
Chief Administrative Officer

Personnel designated for continuance: Chief Financial Officer

Attachments: Appendix A – 2018 General Capital Budget and 2018 Water and
Wastewater Capital Budget with Capital Forecast for 2019 to 2027



CAPITAL BUDGET 2018

CAPITAL FORECAST FOR 2019 TO 2027

CAPITAL PROJECT INFORMATION SHEETS

**CAPITAL BUDGET 2018
CAPITAL FORECAST FOR 2019 TO 2027
CAPITAL PROJECT INFORMATION SHEETS
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Introduction

Project Classification:

The following Asset Classifications are denoted beside the individual project names on the Capital Budget Summary Sheets:

- a. **Asset Improvement and Maintenance (AIM):** These projects address existing capital assets and major repairs, rehabilitation and maintenance to City infrastructure, facilities and equipment. These investments are intended to support expected asset life cycles, replacement of assets that have reached their end of life, and technological upgrades to assist in managing operating costs and improve on the delivery of services.
- b. **Strategic Investments (SI):** These projects include those that improve, enhance or expand the level of service offered to the community.
- c. **Growth (G):** Projects that primarily address increased demands for services or are to stimulate growth and development of the City.

It is important to note that it is possible for some projects to be related to more than one of the above categories; however, these projects have been included in the category for which the majority of the project falls.

Project Funding from Other Sources:

Projects that have either reserve and/or third party funding allocated are identified by either an (R) or an (F) beside the project name on the Capital Budget Summary Sheets as follows:

- a. **Reserve Funding (R):** The City has certain reserves that can be used to fund capital projects. Some reserves that are included in the annual budget include Development Charges and Merrick Landfill.
- b. **Grants and Other Funding Sources (F):** Projects included in the capital budget that have associated grants identified are only to proceed if the grant is approved. Otherwise the project will be cancelled or funds will be reallocated from other projects with Council approval.

**2018 GENERAL
CAPITAL BUDGET SUMMARY AND
CAPITAL FORECAST FOR 2019 TO 2027**

2018 General Capital Budget and Capital Forecast for 2019 to 2027 by Business Unit

Project Number/Description	Project Classification		LTD Approved Budget	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	Total
Community Services														
3405PK - Parking Property Acquisition Program	R	SI	-	-	-	300,000	-	-	300,000	-	-	300,000	-	900,000
3508PR - Parks and Playgrounds - New Neighbourhood Parks		G	-	-	200,000	-	-	200,000	-	-	-	200,000	-	600,000
3509PZ - Official Plan 5 Year Review and Study Update	R	SI	125,000	125,000	-	-	175,000	-	-	-	-	250,000	-	675,000
3518PR - King's Landing Commercialization of Waterfront	F	SI	3,386,250	-	-	4,050,000	3,000,000	-	-	-	-	-	-	10,436,250
3702PR - Waterfront Building Rehab and Development		G	-	-	-	-	-	1,000,000	1,000,000	-	-	-	-	2,000,000
3718PR - Trail System Development Program	R F	SI	761,250	-	88,750	-	-	-	-	-	-	-	-	850,000
3720RF - Pete Palangio Parking Lot Rehab		AIM	-	100,000	750,000	-	-	-	-	-	-	-	-	850,000
3721RF - Pete Palangio Foundation Rehab		AIM	-	-	-	-	-	-	650,000	-	-	-	-	650,000
3808TR - Para Bus AVL/Security Camera System		AIM	-	100,000	-	-	-	-	-	-	-	-	-	100,000
3822PK - Parking Strategy for Downtown Waterfront		SI	-	-	52,500	-	-	-	-	-	-	-	-	52,500
3824PR - Splash Pad Infrastructure		SI	-	52,500	-	-	-	-	-	-	-	-	-	52,500
4101GG - Accessibility Building Rehabilitation		AIM	-	-	-	-	-	-	1,000,000	-	-	-	-	1,000,000
4201PK - Downtown Parking Facilities		SI	-	-	-	-	-	-	-	-	4,400,000	-	-	4,400,000
6374RF - Aquatic Centre Rehab Program 2018 On-going		AIM	-	200,000	295,000	100,000	150,000	105,000	110,000	115,000	120,000	125,000	130,000	1,450,000
6375GG - City Hall Building Rehab 2018 On-going		AIM	-	400,000	105,000	108,000	111,000	114,000	117,000	120,000	123,000	126,000	129,000	1,453,000

2018 General Capital Budget and Capital Forecast for 2019 to 2027 by Business Unit

Project Number/Description	Project Classification	LTD Approved Budget	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	Total
Community Services													
6376RF - Memorial Gardens Rehab 2018 On-going	AIM	-	300,000	300,000	300,000	300,000	300,000	300,000	200,000	200,000	200,000	300,000	2,700,000
6377RF - Pete Palangio Rehab Program 2018 On-going	AIM	-	250,000	250,000	250,000	250,000	250,000	250,000	150,000	150,000	250,000	250,000	2,300,000
6378MR - King's Landing and Marina Rehab Program 2018 On-going	AIM	-	150,000	100,000	100,000	90,000	150,000	200,000	150,000	150,000	100,000	100,000	1,290,000
6379PK - Parking Lot Maintenance and Improvement Program 2018 On-going	AIM	-	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	55,000	505,000
6380PK - Parking Equipment Program 2018 On-going	AIM	-	50,000	125,000	-	-	125,000	-	-	125,000	-	-	425,000
6381PR - Parks Building Rehab 2018 On-going	AIM	-	350,000	350,000	350,000	300,000	300,000	350,000	200,000	200,000	200,000	200,000	2,800,000
6382RF - Recreation Facilities Rehab and Development 2018 On-going	AIM	-	550,000	600,000	650,000	700,000	750,000	800,000	800,000	800,000	800,000	800,000	7,250,000
6383PR - Sportsfield Complex Development and Rehab 2018 On-going	AIM	-	52,000	54,000	756,000	758,000	60,000	62,000	64,000	66,000	68,000	70,000	2,010,000
6384PR - Parks and Playground Rehab Program 2018 On-going	AIM	-	260,000	268,000	276,000	284,000	293,000	302,000	311,000	320,000	329,000	338,000	2,981,000
6385PR - Waterfront Rehab Program 2018 On-going	AIM	-	114,000	117,000	121,000	125,000	129,000	133,000	137,000	141,000	145,000	149,000	1,311,000
6386PR - Central City Rehab Program 2018 On-going	AIM	-	74,000	76,000	78,000	80,000	82,000	84,000	86,000	88,000	90,000	92,000	830,000
6387PR - City Hall Grounds Rehab Program 2018 On-going	AIM	-	74,000	76,000	78,000	80,000	82,000	84,000	86,000	88,000	90,000	92,000	830,000
6388PR - Trail and Supporting Hard Surfaces Rehab 2018 On-going	AIM	-	223,000	229,000	235,000	242,000	549,000	256,000	264,000	272,000	290,000	298,000	2,858,000
6389PR - Parks Equipment Replacement Program 2018 On-going	AIM	-	61,000	63,000	65,250	67,000	69,000	71,000	74,000	76,000	77,650	80,000	703,900
6390AT - North Bay Jack Garland Airport 2018 On-going	AIM	-	785,000	2,217,592	514,500	514,500	378,000	485,625	383,250	5,250,000	656,250	278,250	11,462,967

2018 General Capital Budget and Capital Forecast for 2019 to 2027 by Business Unit

Project Number/Description	Project Classification		LTD Approved Budget	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	Total
Community Services														
6403TR - Transit Buildings Capital Program 2018 On-going		AIM	-	26,250	120,750	26,250	26,250	26,250	26,250	26,250	26,250	26,250	26,250	357,000
Total Community Services			4,272,500	4,346,750	6,487,592	8,408,000	7,302,750	5,012,250	6,630,875	3,216,500	12,645,250	4,373,150	3,387,500	66,083,117
Corporate Services														
3205GG - Integrated Software Solution		AIM	61,507	-	-	-	100,000	5,000,000	-	-	-	-	-	5,161,507
6391GG - System Technology Program 2018 On-going		AIM	-	620,550	720,300	720,300	720,300	720,300	720,300	720,300	720,300	720,300	720,300	7,103,250
Total Corporate Services			61,507	620,550	720,300	720,300	820,300	5,720,300	720,300	720,300	720,300	720,300	720,300	12,264,757
Engineering, Environmental & Works														
2934ST - Chippewa Creek and Airport Heights Stormwater Retention	R	G	400,000	-	-	-	-	50,000	2,500,000	-	-	-	-	2,950,000
3210ST - Trunk Sewer Rehab - Eastview Tributary System		AIM	100,000	-	-	-	-	-	-	100,000	-	1,000,000	-	1,200,000
3212RD - Francis St. Sewer Upsizing		G	-	-	-	-	-	90,000	-	1,800,000	-	-	-	1,890,000
3212ST - Francis St. Sewer Upsizing		G	-	-	-	-	-	50,000	-	1,000,000	-	-	-	1,050,000
3302ST - Trunk Sewer Rehab - Pinewood Fingers Creek		AIM	-	-	-	-	-	-	200,000	-	2,500,000	-	-	2,700,000
3403RD - Four Mile Lake Rd. Extension to Highway 11	R F	G	25,000	-	50,000	-	-	-	-	-	-	-	4,900,000	4,975,000
3406RD - Gertrude Rd. - Knox to Lakeshore - Sanitary Forcemain		AIM	400,000	600,000	-	-	-	-	-	-	-	-	-	1,000,000
3423RD - Intersection of Highway 11/17 and Seymour	R F	G	5,700,000	600,000	-	-	-	-	-	-	-	-	-	6,300,000
3500RD - Lakeshore Dr. Area - Trunk Watermain and Sewer - Phase 1 - Judge to Gertrude	R	AIM	130,000	-	2,600,000	-	-	-	-	-	-	-	-	2,730,000
3500ST - Lakeshore Dr. Area - Trunk Watermain and Sewer - Phase 1 - Judge to Gertrude	R	AIM	70,000	-	1,400,000	-	-	-	-	-	-	-	-	1,470,000

2018 General Capital Budget and Capital Forecast for 2019 to 2027 by Business Unit

Project Number/Description	Project Classification	LTD Approved Budget	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	Total
Engineering, Environmental & Works													
3506ST - Stormwater Management - Overland Flow Control Study	AIM	-	-	-	-	100,000	-	-	-	-	-	-	100,000
3601RD - Worthington, Sherbrooke, First 4" Watermain Replacement	AIM	100,000	-	-	-	-	-	40,000	1,500,000	-	-	-	1,640,000
3605RD - Ellendale Second Reservoir & Second Feed	SI	-	-	-	-	-	-	-	-	-	420,000	-	420,000
3606RD - O'Brien St. Reconstruction - Airport to High	AIM	-	-	-	-	-	-	275,000	-	5,500,000	-	-	5,775,000
3606ST - O'Brien St. Reconstruction - Airport to High	AIM	-	-	-	-	-	-	100,000	-	2,000,000	-	-	2,100,000
3613ST - Local Drainage Rehab	AIM	74,200	-	200,000	-	-	-	-	-	-	-	-	274,200
3618RD - Wallace Pumping Station Replacement	AIM	-	300,000	-	-	-	-	-	-	-	-	-	300,000
3619RD - Cassells St. - Phase 1 - Olive to Duke and Chippewa Creek Bridge	AIM	25,000	3,400,000	-	-	-	-	-	-	-	-	-	3,425,000
3619ST - Cassells St. - Phase 1 - Olive to Duke and Chippewa Creek Bridge	AIM	-	600,000	-	-	-	-	-	-	-	-	-	600,000
3700RD - Seymour St. - Station to Wallace - Widening and Signals	SI	-	-	-	-	-	-	-	-	115,000	-	2,300,000	2,415,000
3700ST - Seymour St. - Station to Wallace - Widening and Signals	SI	-	-	-	-	-	-	-	-	25,000	-	500,000	525,000
3701RD - Norman/Chapais Connection Watermain	SI	-	-	-	-	-	-	115,000	-	-	2,300,000	-	2,415,000
3701ST - Norman/Chapais Connection Watermain	SI	-	-	-	-	-	-	45,000	-	-	900,000	-	945,000
3713RD - John St. - Second to Worthington	AIM	228,000	180,600	-	-	-	-	-	-	-	-	-	408,600
3715RD - Pinewood Park & Lakeshore Drive Intersection Reconstruction	G	-	100,000	-	1,000,000	-	-	-	-	-	-	-	1,100,000

2018 General Capital Budget and Capital Forecast for 2019 to 2027 by Business Unit

Project Number/Description	Project Classification	LTD Approved Budget	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	Total
Engineering, Environmental & Works													
3800RD - Cassells St. - Phase 2 - Olive to Highway 11/17 & King to Duke	AIM	-	-	30,000	2,600,000	-	-	-	-	-	-	-	2,630,000
3800ST - Cassells St. - Phase 2 - Olive to Highway 11/17 & King to Duke	AIM	-	-	5,000	200,000	-	-	-	-	-	-	-	205,000
3801RD - McKeown Ave. Widening - Gormanville to Cartier	G	-	-	-	-	-	200,000	-	4,000,000	-	-	-	4,200,000
3801ST - McKeown Ave. Widening - Gormanville to Cartier	G	-	-	-	-	-	85,000	-	1,700,000	-	-	-	1,785,000
3802RD - Lakeshore Dr. - Trunk Watermain and Sewer - Phase 2 - Gertrude to Marshall	AIM	-	-	-	-	225,000	-	4,500,000	-	-	-	-	4,725,000
3802ST - Lakeshore Dr. - Trunk Watermain and Sewer - Phase 2 - Gertrude to Marshall	AIM	-	-	-	-	55,000	-	1,100,000	-	-	-	-	1,155,000
3804RD - Public Works Backup Generator Replacement	AIM	-	125,000	-	-	-	-	-	-	-	-	-	125,000
3805GD - Leachate Management - Future Cells	G	-	-	250,000	-	2,000,000	-	250,000	2,200,000	-	-	-	4,700,000
3806RD - Lakeshore Dr. - Birchs to Premier	AIM	-	100,000	-	2,000,000	-	-	-	-	-	-	-	2,100,000
3809RD - Hammond St. Bridge Replacement	AIM	-	-	75,000	-	600,000	-	-	-	-	-	-	675,000
3810RD - Main St. - Gormanville to Memorial	G	-	-	-	-	-	60,000	-	2,300,000	-	-	-	2,360,000
3810ST - Main St. - Gormanville to Memorial	G	-	-	-	-	-	15,000	-	600,000	-	-	-	615,000
3811RD - Roadside Guardrails and Retaining Walls - Inspection and Upgrade	AIM	-	75,000	750,000	-	-	-	-	-	-	-	-	825,000
3812RD - Lakeshore Dr. (ONR Overpass)	AIM	-	-	-	-	-	-	-	25,000	-	250,000	-	275,000
3813RD - Trout Lake Rd. (ONR Overpass)	AIM	-	-	-	-	-	-	-	-	25,000	-	250,000	275,000

2018 General Capital Budget and Capital Forecast for 2019 to 2027 by Business Unit

Project Number/Description	Project Classification	LTD Approved Budget	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	Total
Engineering, Environmental & Works													
3814RD - Lees Road Reconstruction	AIM	-	-	255,000	-	-	-	-	-	-	-	5,100,000	5,355,000
3815RD - Trout Lake Road Retaining Wall Rehab	AIM	-	-	50,000	-	-	-	-	-	-	-	1,000,000	1,050,000
3815ST - Trout Lake Road Retaining Wall Rehab	AIM	-	-	15,000	-	-	-	-	-	-	-	250,000	265,000
3816ST - Fifth Avenue Stormwater Review	AIM	-	50,000	-	500,000	-	-	-	-	-	-	-	550,000
3817ST - Lakeheights Road Stormwater Review	AIM	-	50,000	-	-	-	-	-	-	-	-	-	50,000
3818RD - Premier Pumping Station Replacement	AIM	-	200,000	-	-	-	-	-	-	-	-	-	200,000
3819RD - Asset Management Plan Update	AIM	-	120,000	-	-	-	-	-	-	-	-	-	120,000
3819ST - Asset Management Plan Update	AIM	-	25,000	-	-	-	-	-	-	-	-	-	25,000
3821RD - Public Works Storage Structure	R AIM	-	-	250,000	-	-	-	-	-	-	-	-	250,000
3830GD - Merrick Landfill Gas (LFG) Collection Infrastructure	R SI	-	-	-	-	225,000	500,000	90,000	500,000	-	-	-	1,315,000
3831ST - Stormwater Outfall Repair and Rehabilitation	AIM	-	-	50,000	200,000	50,000	200,000	-	-	-	-	-	500,000
3832GD - Merrick Landfill - Scale Replacement	R AIM	-	-	750,000	-	-	-	-	-	-	-	-	750,000
3833RD - Main St. Paving Stone Replacement	AIM	-	150,000	-	-	4,500,000	3,600,000	-	-	-	-	-	8,250,000
3833ST - Main St. Paving Stone Replacement	AIM	-	-	-	-	400,000	400,000	-	-	-	-	-	800,000
3900RD - Cedar Heights Rd. - Highway 11 to Larocque Urban Upgrade and Watermain	SI	-	-	-	-	-	-	-	205,000	-	4,100,000	-	4,305,000

2018 General Capital Budget and Capital Forecast for 2019 to 2027 by Business Unit

Project Number/Description	Project Classification	LTD Approved Budget	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	Total
Engineering, Environmental & Works													
3900ST - Cedar Heights Rd. - Highway 11 to Larocque Urban Upgrade and Watermain	SI	-	-	-	-	-	-	-	75,000	-	1,500,000	-	1,575,000
3901RD - Clarence St. - Reconstruction - Jane to Norwood	AIM	-	-	-	-	-	-	-	50,000	-	1,000,000	-	1,050,000
3901ST - Clarence St. - Reconstruction - Jane to Norwood	AIM	-	-	-	-	-	-	-	20,000	-	400,000	-	420,000
3903RD - Second Access to West Ferris Area	SI	-	-	-	-	-	-	-	500,000	-	8,500,000	-	9,000,000
3904RD - Road Condition Inspection	AIM	-	-	200,000	-	-	-	225,000	-	-	-	250,000	675,000
4200RD - Lakeshore Dr. - Marshall to Sunset - Phase 3 - Watermain and 1 Lane	SI	-	-	-	-	-	-	-	-	70,000	-	1,400,000	1,470,000
4300RD - North Highway 11 Servicing and Airport Industrial Park Expansion	G	-	-	-	-	-	-	-	290,000	-	5,800,000	-	6,090,000
4401RD - Sage Rd. Reconstruction to Collector Standard	G	-	-	-	-	-	-	-	-	175,000	-	3,500,000	3,675,000
4401ST - Sage Rd. Reconstruction to Collector Standard	G	-	-	-	-	-	-	-	-	65,000	-	1,300,000	1,365,000
4500RD - Franklin & John Trunk Watermain	SI	-	-	-	-	-	-	-	-	205,000	-	4,100,000	4,305,000
4500ST - Franklin & John Trunk Watermain	SI	-	-	-	-	-	-	-	-	75,000	-	1,500,000	1,575,000
6361RD - City Share of Development Costs 2018 On-going	G	-	285,000	294,000	303,000	312,000	321,000	331,000	341,000	351,000	362,000	373,000	3,273,000
6363RD - Asphalt Resurfacing 2018 On-going	AIM	-	3,500,000	3,600,000	3,600,000	3,600,000	3,600,000	3,600,000	3,600,000	3,600,000	3,600,000	3,600,000	35,900,000
6364RD - Asphalt Sheeting 2018 On-going	AIM	-	126,000	130,000	134,000	138,000	142,000	146,000	146,000	146,000	146,000	146,000	1,400,000
6366RD - Pedestrian Safety Program 2018 On-going	AIM	-	126,000	130,000	134,000	138,000	142,000	146,000	146,000	146,000	146,000	146,000	1,400,000

2018 General Capital Budget and Capital Forecast for 2019 to 2027 by Business Unit

Project Number/Description	Project Classification	LTD Approved Budget	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	Total
Engineering, Environmental & Works													
6367RD - Road Culvert Replace/Rehab 2018 On-going	AIM	-	191,000	197,000	203,000	209,000	215,000	221,000	221,000	221,000	221,000	221,000	2,120,000
6368RD - Rural Road Rehab 2018 On-going	AIM	-	632,000	651,000	671,000	691,000	712,000	733,000	733,000	733,000	733,000	733,000	7,022,000
6369SL - Traffic Control Signal Upgrade 2018 On-going	AIM	-	191,000	197,000	203,000	209,000	215,000	221,000	221,000	221,000	221,000	221,000	2,120,000
6370RD - Sidewalk Replacement Program 2018 On-going	AIM	-	191,000	197,000	203,000	209,000	215,000	221,000	221,000	221,000	221,000	221,000	2,120,000
6371RD - Bridge Rehab 2018 On-going	AIM	-	206,000	212,000	218,000	225,000	232,000	239,000	246,000	253,000	261,000	269,000	2,361,000
6372RD - Downtown Roads Maintenance 2018 On-going	AIM	-	94,000	97,000	100,000	103,000	106,000	109,000	109,000	109,000	109,000	109,000	1,045,000
6402RD - Design Work Next Year's Projects 2018 On-going	AIM	-	66,000	68,000	70,000	72,000	74,000	76,000	78,000	80,000	82,000	84,000	750,000
6406RD - Asset Management 2018 On-going	AIM	-	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	500,000
6407ST - Storm Sewer Flushing and Outfall Maintenance 2018 On-going	AIM	-	79,000	81,000	83,000	85,000	88,000	91,000	94,000	97,000	97,000	97,000	892,000
6413ST - Ditch Enclosure 2018 On-going	AIM	-	300,000	300,000	300,000	300,000	300,000	300,000	300,000	300,000	300,000	300,000	3,000,000
6415RD - Traffic Count Data 2018 On-Going	SI	-	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	100,000
6422RD - Public Works Building Maintenance 2018 On-going	AIM	-	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	500,000
6423RD - Equipment Replacement 2018 On-going	AIM	-	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	100,000
Total Engineering, Environmental & Works		7,252,200	12,782,600	13,204,000	12,842,000	14,566,000	11,732,000	15,994,000	23,441,000	17,353,000	32,789,000	32,990,000	194,945,800

2018 General Capital Budget and Capital Forecast for 2019 to 2027 by Business Unit

Project Number/Description	Project Classification	LTD Approved Budget	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	Total
Fire Department													
3609FD - Fire Facilities - Roof Repairs	AIM	184,500	84,000	-	-	-	-	-	-	-	-	-	268,500
3717FD - SCBA Fire Health Safety Equipment	AIM	-	535,500	-	-	-	-	-	-	-	-	-	535,500
3823FD - Fire Master Plan	SI	-	-	-	-	-	50,000	-	-	-	-	-	50,000
6405FD - Fire Facilities Management Program 2018 On-going	AIM	-	89,250	89,250	89,250	89,250	89,250	89,250	94,500	94,500	99,750	-	824,250
6412FD - Fire Equipment Replacement 2018 On-going	AIM	-	42,000	63,000	42,000	73,500	63,000	84,000	63,000	84,000	63,000	-	577,500
6416FD - Fire Bunker Gear Replacement Program 2018 On-going	AIM	-	11,967	48,048	147,894	67,988	-	-	-	-	-	-	275,897
Total Fire Department		184,500	762,717	200,298	279,144	230,738	202,250	173,250	157,500	178,500	162,750	-	2,531,647
General Government													
3216GG - Capital Financing (2% of Total Capital Financing Policy Limit)	SI	2,562,949	391,161	398,070	411,627	426,309	443,223	455,529	474,989	503,801	533,453	570,164	7,171,275
Total General Government		2,562,949	391,161	398,070	411,627	426,309	443,223	455,529	474,989	503,801	533,453	570,164	7,171,275
Service Partners													
6392OC - Capitol Centre 2018 On-going	AIM	-	252,000	262,500	210,000	210,000	210,000	210,000	210,000	210,000	210,000	210,000	2,194,500
6393CA - North Bay Mattawa Conservation Authority 2018 On-going	AIM	-	873,817	1,007,528	1,018,103	1,058,147	1,033,838	1,044,473	1,063,095	1,100,078	1,107,755	1,114,584	10,421,418
6394PD - North Bay Police Services 2018 On-going	AIM	-	878,850	840,000	840,000	792,750	656,250	792,750	792,750	819,000	819,000	819,000	8,050,350
6395LB - North Bay Public Library 2018 On-going	AIM	-	200,000	200,000	500,000	500,000	200,000	200,000	200,000	200,000	200,000	200,000	2,600,000
Total Service Partners		-	2,204,667	2,310,028	2,568,103	2,560,897	2,100,088	2,247,223	2,265,845	2,329,078	2,336,755	2,343,584	23,266,268
Total General Capital Budget		14,333,656	21,108,445	23,320,288	25,229,174	25,906,994	25,210,111	26,221,177	30,276,134	33,729,929	40,915,408	40,011,548	306,262,864

2018 General Capital Budget and Capital Forecast for 2019 to 2027 by Business Unit

Project Number/Description	Project Classification	LTD Approved Budget	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	Total
Reserve Funding (R)													
2934ST - Chippewa Creek and Airport Heights Stormwater Retention		(400,000)	-	-	-	-	-	(145,000)	-	-	-	-	(545,000)
3403RD - Four Mile Lake Rd. Extension to Highway 11		-	-	-	-	-	-	-	-	-	-	(405,596)	(405,596)
3405PK - Parking Property Acquisition Program		-	-	-	(300,000)	-	-	(300,000)	-	-	(300,000)	-	(900,000)
3423RD - Intersection of Highway 11/17 and Seymour		(483,763)	-	-	-	-	-	-	-	-	-	-	(483,763)
3500RD - Lakeshore Dr. Area - Trunk Watermain and Sewer - Phase 1 - Judge to Gertrude		(130,000)	-	-	-	-	-	-	-	-	-	-	(130,000)
3500ST - Lakeshore Dr. Area - Trunk Watermain and Sewer - Phase 1 - Judge to Gertrude		(70,000)	-	-	-	-	-	-	-	-	-	-	(70,000)
3509PZ - Official Plan 5 Year Review and Study Update		(56,250)	(56,250)	-	-	(36,300)	-	-	-	-	-	-	(148,800)
3718PR - Trail System Development Program		(366,000)	-	(18,500)	-	-	-	-	-	-	-	-	(384,500)
3821RD - Public Works Storage Structure		-	-	(44,000)	-	-	-	-	-	-	-	-	(44,000)
3830GD - Merrick Landfill Gas (LFG) Collection Infrastructure		-	-	-	-	(225,000)	(500,000)	(90,000)	(500,000)	-	-	-	(1,315,000)
3832GD - Merrick Landfill - Scale Replacement		-	-	(750,000)	-	-	-	-	-	-	-	-	(750,000)
Total Reserve Funding		(1,506,013)	(56,250)	(812,500)	(300,000)	(261,300)	(500,000)	(535,000)	(500,000)	-	(300,000)	(405,596)	(5,176,659)

2018 General Capital Budget and Capital Forecast for 2019 to 2027 by Business Unit

Project Number/Description	Project Classification	LTD Approved Budget	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	Total
Grants and Other Funding Sources (F)													
3403RD - Four Mile Lake Rd. Extension to Highway 11		-	-	-	-	-	-	-	-	-	-	(3,111,108)	(3,111,108)
3423RD - Intersection of Highway 11/17 and Seymour		(2,330,000)	(240,000)	-	-	-	-	-	-	-	-	-	(2,570,000)
3518PR - King's Landing Commercialization of Waterfront		(2,274,736)	-		(2,571,428)	(1,904,762)	-	-	-	-	-	-	(6,750,926)
3718PR - Trail System Development Program		(325,000)	-	-	-	-	-	-	-	-	-	-	(325,000)
Ontario Community Infrastructure Fund (OCIF)			(1,672,672)	(2,569,870)	(2,569,870)	(2,569,870)	(2,569,870)	(2,569,870)	(2,569,870)	(2,569,870)	(2,569,870)	-	(22,231,632)
Total Grants and Other Sources		(4,929,736)	(1,912,672)	(2,569,870)	(5,141,298)	(4,474,632)	(2,569,870)	(2,569,870)	(2,569,870)	(2,569,870)	(2,569,870)	(3,111,108)	(34,988,666)
Net General Budget		7,897,907	19,139,523	19,937,918	19,787,876	21,171,062	22,140,241	23,116,307	27,206,264	31,160,059	38,045,538	36,494,844	266,097,539
Capital Funding Policy Limit													
Capital Levy in Operating Budget			(7,017,520)	(7,951,655)	(8,629,526)	(9,363,614)	(10,209,299)	(10,790,107)	(11,763,086)	(13,203,702)	(14,686,269)	(16,521,852)	(110,136,630)
Debenture and Long-term Debt			(5,000,000)	(8,500,000)	(8,500,000)	(8,500,000)	(8,500,000)	(8,500,000)	(8,500,000)	(8,500,000)	(8,500,000)	(8,500,000)	(81,500,000)
Hydro Money to Invest in Capital			(4,000,000)	-	-	-	-	-	-	-	-	-	(4,000,000)
Federal Gas Tax			(3,540,525)	(3,451,848)	(3,451,848)	(3,451,848)	(3,451,848)	(3,486,366)	(3,486,366)	(3,486,366)	(3,486,366)	(3,486,366)	(34,779,747)
Target Policy for Net Expenditures			(19,558,045)	(19,903,503)	(20,581,374)	(21,315,462)	(22,161,147)	(22,776,473)	(23,749,452)	(25,190,068)	(26,672,635)	(28,508,218)	(230,416,377)
Less Memorial Gardens Remaining Ten Year Commitment			400,000	400,000	1,100,000	400,000	300,000	-	-	-	-	-	2,600,000
Adjusted Target Policy			(19,158,045)	(19,503,503)	(19,481,374)	(20,915,462)	(21,861,147)	(22,776,473)	(23,749,452)	(25,190,068)	(26,672,635)	(28,508,218)	(227,816,377)
(\$Available) \$Funding Needed			(18,522)	434,415	306,502	255,600	279,094	339,834	3,456,812	5,969,991	11,372,903	7,986,626	30,383,255

**2018 WATER AND WASTEWATER
CAPITAL BUDGET SUMMARY AND
CAPITAL FORECAST FOR 2019 TO 2027**

2018 Water and Wastewater Capital Budget and Capital Forecast for 2019 to 2027

Project Number/Description	Project Classification	LTD Approved Budget	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	Total
Wastewater													
3212SS - Francis St. Sewer Upsizing	R	G	-	-	-	-	110,000	-	2,200,000	-	-	-	2,310,000
3309SS - Wastewater Treatment Plant - Raw Sewage Pumping Station		AIM	1,250,000	-	800,000	-	-	-	-	-	-	-	2,050,000
3406SS - Gertrude Rd. - Knox to Lakeshore - Sanitary Forcemain		AIM	1,001,378	750,000	-	-	-	-	-	-	-	-	1,751,378
3500SS - Lakeshore Dr. Area - Trunk Watermain and Sewer - Phase 1 - Judge to Gertrude		AIM	255,000	-	5,100,000	-	-	-	-	-	-	-	5,355,000
3514SS - Sage Rd. Area Trunk Rehab		AIM	-	-	-	-	500,000	-	-	3,500,000	-	-	4,000,000
3617SS - Marshall 500 mm Forcemain Condition Assessment and Rehab		AIM	150,000	-	500,000	-	-	-	-	-	-	-	650,000
3618SS - Wallace Pumping Station Replacement		AIM	1,050,000	350,000	-	-	-	-	-	-	-	-	1,400,000
3619SS - Cassells St. - Phase 1 - Olive to Duke and Chippewa Creek Bridge		AIM	75,000	450,000	-	-	-	-	-	-	-	-	525,000
3714SS - Wastewater Treatment Plant - TSSA Upgrades		AIM	500,000	500,000	-	-	-	-	-	-	-	-	1,000,000
3719SS - Digester Replacement		AIM	-	200,000	-	3,000,000	-	-	-	-	-	-	3,200,000
3800SS - Cassells St. - Phase 2 - Olive to Highway 11/17 & King to Duke		AIM	-	-	5,000	400,000	-	-	-	-	-	-	405,000
3801SS - McKeown Ave. Widening - Gormanville to Cartier		G	-	-	-	-	55,000	-	1,100,000	-	-	-	1,155,000
3802SS - Lakeshore Dr. - Trunk Watermain and Sewer - Phase 2 - Gertrude to Marshall		AIM	-	-	-	150,000	-	3,000,000	-	-	-	-	3,150,000
3806SS - Lakeshore Dr. - Birchs to Premier		AIM	-	35,000	-	700,000	-	-	-	-	-	-	735,000
3810SS - Main St. - Gormanville to Memorial		G	-	-	-	-	90,000	-	3,500,000	-	-	-	3,590,000

2018 Water and Wastewater Capital Budget and Capital Forecast for 2019 to 2027

Project Number/Description	Project Classification	LTD Approved Budget	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	Total
Wastewater													
3818SS - Premier Pumping Station Replacement	AIM	-	1,600,000	-	-	-	-	-	-	-	-	-	1,600,000
3819SS - Asset Management Plan Update	AIM	-	55,000	-	-	-	-	-	-	-	-	-	55,000
3820SS - LaVase Sanitary Re-direction	SI	-	650,000	-	-	-	-	-	-	-	-	-	650,000
3825SS - Wastewater Treatment Plant - Intake Chamber Replacement	AIM	-	-	-	-	150,000	-	2,800,000	-	-	-	-	2,950,000
3826SS - Pumping Station Replacement	AIM	-	-	-	-	2,500,000	3,500,000	2,500,000	-	-	-	-	8,500,000
3829SS - Wastewater Treatment Plant - Structural Repair	AIM	-	-	-	200,000	-	900,000	-	-	-	-	-	1,100,000
3900SS - Cedar Heights Rd. - Highway 11 to Larocque Urban Upgrade and Watermain	SI	-	-	-	-	-	-	-	75,000	-	1,500,000	-	1,575,000
3901SS - Clarence St. - Reconstruction - Jane to Norwood	AIM	-	-	-	-	-	-	-	20,000	-	400,000	-	420,000
4103SS - Wastewater Treatment Plant Expansion	AIM	-	-	-	1,000,000	1,500,000	2,000,000	-	-	5,000,000	-	-	9,500,000
4202SS - Infiltration Reduction/Flow Monitoring Program - Phase 3	SI	-	-	-	-	200,000	-	-	-	-	-	-	200,000
4300SS - North Highway 11 Servicing and Airport Industrial Park Expansion	G	-	-	-	-	-	-	-	155,000	-	3,100,000	-	3,255,000
4402SS - Chippewa Trunk Sewer Major Rehabilitation & Replacement	AIM	-	-	-	-	-	-	-	-	200,000	-	2,500,000	2,700,000
6365SS - Sewer Rehab and Restoration 2018 On-going	AIM	-	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	500,000
6396SS - Sewage Lift Stations 2018 On-going	AIM	-	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	500,000
6398SS - Sewer Emergency Repair/Rehab 2018 On-going	AIM	-	65,000	65,000	67,000	69,000	71,000	73,000	75,000	75,000	75,000	75,000	710,000

2018 Water and Wastewater Capital Budget and Capital Forecast for 2019 to 2027

Project Number/Description	Project Classification	LTD Approved Budget	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	Total
Wastewater													
6408SS - Wastewater Treatment Plant Rehab 2018 On-going	AIM	-	-	300,000	-	250,000	-	200,000	-	150,000	-	150,000	1,050,000
6418SS - Digester and Grit Removal 2018-On-going	AIM	-	-	-	200,000	-	-	109,000	-	-	109,000	-	418,000
6419SS - Wastewater Treatment Plant - Electrical Upgrades 2018 On-going	AIM	-	275,000	275,000	250,000	250,000	250,000	250,000	250,000	250,000	250,000	250,000	2,550,000
6420SS - Sewage Lift Stations PLC and Radio Upgrades 2018 On-going	AIM	-	-	30,000	30,000	30,000	30,000	30,000	30,000	30,000	30,000	30,000	270,000
6421SS - Wastewater Treatment Plant Exterior Rehab 2018 on-going	AIM	-	-	200,000	-	200,000	-	200,000	-	200,000	-	200,000	1,000,000
Total Wastewater		4,281,378	5,030,000	7,375,000	5,947,000	5,399,000	7,606,000	9,262,000	7,505,000	9,505,000	5,564,000	3,305,000	70,779,378
Water													
3212WS - Francis St. Sewer Upsizing	G	-	-	-	-	-	50,000	-	1,000,000	-	-	-	1,050,000
3500WS - Lakeshore Dr. Area - Trunk Watermain and Sewer - Phase 1 - Judge to Gertrude	R	AIM	110,000	-	2,200,000	-	-	-	-	-	-	-	2,310,000
3517WS - Birchs Rd. Standpipe Maintenance and Rehab	AIM	250,000	100,000	-	-	-	200,000	-	-	-	-	-	550,000
3601WS - Worthington, Sherbrooke, First 4" Watermain Replacement	AIM	100,000	-	-	-	-	-	10,000	600,000	-	-	-	710,000
3605WS - Ellendale Second Reservoir & Second Feed	F	SI	230,000	-	-	-	-	-	750,000	-	10,000,000	-	10,980,000
3606WS - O'Brien St. Reconstruction - Airport to High	AIM	-	-	-	-	-	-	105,000	-	2,100,000	-	-	2,205,000
3619WS - Cassells St. - Phase 1 - Olive to Duke and Chippewa Creek Bridge	AIM	-	550,000	-	-	-	-	-	-	-	-	-	550,000
3620WS - CFB Reservoir Replacement	AIM	50,000	100,000	-	3,000,000	-	-	-	-	-	-	-	3,150,000
3700WS - Seymour St. - Station to Wallace - Widening and Signals	G	-	-	-	-	-	-	-	-	50,000	-	2,500,000	2,550,000

2018 Water and Wastewater Capital Budget and Capital Forecast for 2019 to 2027

Project Number/Description	Project Classification	LTD Approved Budget	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	Total
Water													
3701WS - Norman/Chapais Connection Watermain	SI	-	-	-	-	-	-	60,000	-	-	1,200,000	-	1,260,000
3709WS - Watermain - Cathodic Protection Program	AIM	-	200,000	-	-	200,000	-	-	-	-	-	-	400,000
3800WS - Cassells St. - Phase 2 - Olive to Highway 11/17 & King to Duke	AIM	-	-	10,000	800,000	-	-	-	-	-	-	-	810,000
3801WS - McKeown Ave. Widening - Gormanville to Cartier	G	-	-	-	-	-	55,000	-	1,100,000	-	-	-	1,155,000
3802WS - Lakeshore Dr. - Trunk Watermain and Sewer - Phase 2 - Gertrude to Marshall	AIM	-	-	-	-	85,000	-	1,700,000	-	-	-	-	1,785,000
3804WS - Public Works Backup Generator Replacement	AIM	-	125,000	-	-	-	-	-	-	-	-	-	125,000
3806WS - Lakeshore Dr. - Birchs to Premier	AIM	-	30,000	-	600,000	-	-	-	-	-	-	-	630,000
3807WS - Ellendale Generator Replacement	AIM	-	500,000	-	-	-	-	-	-	-	-	-	500,000
3810WS - Main St. - Gormanville to Memorial	G	-	-	-	-	-	25,000	-	900,000	-	-	-	925,000
3819WS - Asset Management Plan Update	AIM	-	50,000	-	-	-	-	-	-	-	-	-	50,000
3827WS - Lakeshore Drive Watermain Looping and Upsizing - Thelma to Banner	SI	-	737,000	-	-	-	-	-	-	-	-	-	737,000
3828WS - West Ferris Trunk Watermain Relining	AIM	-	3,000,000	-	-	-	-	-	-	-	-	-	3,000,000
3900WS - Cedar Heights Rd. - Highway 11 to Larocque Urban Upgrade and Watermain	SI	-	-	-	-	-	-	-	120,000	-	2,400,000	-	2,520,000
3901WS - Clarence St. - Reconstruction - Jane to Norwood	AIM	-	-	-	-	-	-	-	30,000	-	600,000	-	630,000
3905WS - Cedar Heights Rd. - Larocque BPS	G	-	-	-	50,000	4,000,000	-	-	-	-	-	-	4,050,000

2018 Water and Wastewater Capital Budget and Capital Forecast for 2019 to 2027

Project Number/Description	Project Classification	LTD Approved Budget	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	Total	
Water														
4003WS - Membrane Module Replacement	R	AIM	-	-	-	-	3,240,000	-	-	-	-	-	3,240,000	
4102WS - Ellendale Pumping Station Second Feed to Airport		SI	-	-	-	-	-	-	-	200,000	-	2,500,000	2,700,000	
4200WS - Lakeshore Dr. - Marshall to Sunset - Phase 3 - Watermain and 1 Lane		SI	-	-	-	-	-	-	-	60,000	-	1,200,000	1,260,000	
4300WS - North Highway 11 Servicing and Airport Industrial Park Expansion		G	-	-	-	-	-	-	170,000	-	3,400,000	-	3,570,000	
4401WS - Sage Rd. Reconstruction to Collector Standard		G	-	-	-	-	-	-	-	45,000	-	900,000	945,000	
4500WS - Franklin & John Trunk Watermain		SI	-	-	-	-	-	-	-	110,000	-	2,200,000	2,310,000	
6361WS - City Share of Development Costs 2018 On-going		G	-	260,000	268,000	276,000	284,000	293,000	302,000	311,000	320,000	330,000	340,000	2,984,000
6365WS - Watermain Rehab and Restoration 2018 On-going		AIM	-	100,000	697,000	707,000	797,000	807,000	818,000	818,000	818,000	818,000	818,000	7,198,000
6391WS - System Technology Program 2018 On-going		AIM	-	-	117,000	121,000	125,000	129,000	133,000	133,000	133,000	133,000	133,000	1,157,000
6397WS - Hydrant and Valve Rehab 2018 On-going		AIM	-	191,000	197,000	203,000	209,000	215,000	221,000	221,000	221,000	221,000	221,000	2,120,000
6398WS - Water Emergency Repair/Rehab 2018 On-going		AIM	-	65,000	65,000	67,000	69,000	69,000	73,000	73,000	73,000	73,000	73,000	700,000
6399WS - Flush Watermains 2018 On-going		AIM	-	200,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000	2,000,000
6400WS - Water Plant Maintenance 2018 On-going		AIM	-	-	212,000	-	300,000	-	300,000	-	300,000	300,000	300,000	1,712,000
6401WS - Watermain Replace/Ream/Reline 2018 On-going		AIM	-	191,000	197,000	203,000	209,000	215,000	221,000	221,000	221,000	221,000	221,000	2,120,000
6402WS - Design Work Next Year's Projects 2018 On-going		AIM	-	75,000	77,000	79,000	81,000	83,000	85,000	88,000	91,000	94,000	97,000	850,000

2018 Water and Wastewater Capital Budget and Capital Forecast for 2019 to 2027

Project Number/Description	Project Classification	LTD Approved Budget	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	Total
Water													
6406WS - Asset Management 2018 On-going	AIM	-	50,000	75,000	75,000	75,000	75,000	75,000	75,000	75,000	75,000	75,000	725,000
6409WS - Leak Detection/Condition Assessment 2018 On-going	AIM	-	-	75,000	-	75,000	-	75,000	-	75,000	-	75,000	375,000
6422WS - Public Works Building Maintenance 2018 On-going	AIM	-	25,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000	250,000
6423WS - Equipment Replacement 2018 On-going	AIM	-	15,000	15,000	15,000	15,000	15,000	15,000	15,000	15,000	15,000	15,000	150,000
Total Water		740,000	6,564,000	4,430,000	6,421,000	6,749,000	5,696,000	4,418,000	6,850,000	5,132,000	20,105,000	11,893,000	78,998,000
Total Water and Wastewater Capital Budget		5,021,378	11,594,000	11,805,000	12,368,000	12,148,000	13,302,000	13,680,000	14,355,000	14,637,000	25,669,000	15,198,000	149,777,378
Reserve Funding (R)													
3212SS - Francis St. Sewer Upsizing		-	-	-	-	-	-	-	(229,000)	-	-	-	(229,000)
3406SS - Gertrude Rd. - Knox to Lakeshore - Sanitary Forcemain		-	(750,000)	-	-	-	-	-	-	-	-	-	(750,000)
3500WS - Lakeshore Dr. Area - Trunk Watermain and Sewer - Phase 1 - Judge to Gertrude		-	-	(306,850)	-	-	-	-	-	-	-	-	(306,850)
4003WS - Membrane Module Replacement		-	-	-	-	-	(556,000)	-	-	-	-	-	(556,000)
Total Reserve Funding		-	(750,000)	(306,850)	-	-	(556,000)	-	(229,000)	-	-	-	(1,841,850)
Grants and Other Funding Sources (F)													
3605WS - Ellendale Second Reservoir & Second Feed		-	-	-	-	-	-	-	-	-	(6,000,000)	-	(6,000,000)
Total Grants and Other Sources		-	-	-	-	-	-	-	-	-	(6,000,000)	-	(6,000,000)
Net Water and Wastewater Capital Budget		5,021,378	10,844,000	11,498,150	12,368,000	12,148,000	12,746,000	13,680,000	14,126,000	14,637,000	19,669,000	15,198,000	141,935,528
Capital Funding Policy Limit													
Capital Levy in Water and Wastewater Budget			(7,854,924)	(8,399,064)	(8,974,797)	(9,339,980)	(10,019,471)	(10,612,474)	(11,447,790)	(12,229,706)	(13,237,478)	(14,167,270)	(106,282,954)
Debtenture and Long-term Debt			(3,000,000)	(3,000,000)	(3,000,000)	(3,000,000)	(3,000,000)	(3,000,000)	(3,000,000)	(3,000,000)	(3,000,000)	(3,000,000)	(30,000,000)
Target Policy for Net Expenditures			(10,854,924)	(11,399,064)	(11,974,797)	(12,339,980)	(13,019,471)	(13,612,474)	(14,447,790)	(15,229,706)	(16,237,478)	(17,167,270)	(136,282,954)
(\$Available) \$Funding Needed			(10,924)	99,086	393,203	(191,980)	(273,471)	67,526	(321,790)	(592,706)	3,431,522	(1,969,270)	631,196

**CAPITAL PROJECT INFORMATION SHEETS
BY PROJECT NUMBER**

Number:	2934ST	Scenario:	Main
Title:	Chippewa Creek and Airport Heights Stormwater Retention	Project Stage:	Committee of Council Review
Asset Type:	Growth (General)	Strategic Plans:	Growth / Economic Development
Division:	Capital - Engineering, Environmental & Works	Project Type:	
Budget Year:	2018	Active:	Yes

Description		Comments		
The project provides for engineering and construction services to construct a stormwater management (SWM) pond approximately 350 meters east of O'Brien Street and 150 meters north of Airport Road and to construct a drainage channel and recreational pathway/maintenance road from Kenwood Hills Drive to the pond.		A contract for engineering services was awarded to an engineering consultant in 2009 which included an Environmental Assessment (EA), preliminary evaluation and design, detailed design, agency approvals, contract drawings, specifications, tendering and construction technical assistance.		
For new development on the north side of Airport Road, the pond will provide quantity control to mitigate flooding impacts in Chippewa Creek. The pond will also provide quality control to mitigate sedimentation into the creek for a significant portion of the existing and future development in the Airport Heights area.		The Chippewa Creek Watershed Study identified that future development in the Airport Heights area would require quantity and quality control. The Highlands Woods development was allowed to proceed based on the SWM requirements being met by the construction of this SWM pond within a short time period after the start of the subdivision. The SWM pond, channel, and recreational pathway/maintenance road will be constructed in one phase.		
Scenario Description		Scenario Comments		
Forecast		Project Detailed 2018		
Budget Year	Total Expense	Total Revenue	Difference	
2022	50,000	50,000	0	
2023	2,500,000	2,500,000	0	
	2,550,000	2,550,000	0	
LTD Amount: 400,000		Total Project Cost: 2,950,000		
Related Projects		Operating Impacts		
Year Identified	Start Date	Useful Life	Manager	Completion Date
2009	Jan 1, 2009	100 Years	Megan Rochefort	Dec 31, 2024

Number:	3205GG	Scenario:	Main
Title:	Integrated Software Solution	Project Stage:	Committee of Council Review
Asset Type:	Asset Improvement and Maintenance (General)	Strategic Plans:	Technology
Division:	Capital - Corporate Services	Project Type:	
Budget Year:	2018	Active:	Yes

Description		Comments	
<p>One of the six pillars of the City of North Bay's business plan is to strategically implement and utilize technology to achieve corporate goals. In keeping with this corporate objective, the vision for the Enterprise Resource Planning (ERP) project is to implement an integrated ERP system that supports staff in the delivery of municipal programs and services; takes advantage of best practices; and significantly improves the efficiency and effectiveness of the City's work processes.</p> <p>The City of North Bay has used Naviline HTE (now SunGard Public Sector) for the past seventeen years. The applications include general ledger, cash, purchasing/inventory, billing (water/tax), building, fleet, work orders, code enforcement, human resources, payroll, transit and licensing. Due to changing technologies, it is appropriate to re-evaluate the current system, evaluate other systems and determine if an alternative solution can provide enhancements in service delivery and administrative efficiencies can be gained.</p>		<p>BDO was engaged and completed a needs analysis. Their conclusion is the City's existing ERP system does not realize many of the intended efficiencies of an effective ERP system.</p> <p>In order for a new implementation to be successful a significant financial and human resource commitment is required.</p> <p>Pursuing an integrated ERP strategy is different than a 'best of breed' approach. BDO is supportive of an integrated ERP strategy to reduce the overall cost of technology ownership, to enhance processes and data integration, reporting and to reduce complexity and duplication of tasks.</p>	
Scenario Description		Scenario Comments	
Forecast		Project Detailed 2018	
Budget Year	Total Expense	Total Revenue	Difference
2021	100,000	100,000	0
2022	5,000,000	5,000,000	0
	5,100,000	5,100,000	0
LTD Amount: 61,507		Total Project Cost: 5,161,507	
Related Projects		Operating Impacts	
Year Identified	Start Date	Useful Life	Manager
2011	Jan 1, 2013		Margaret Karpenko
			Completion Date
			Dec 31, 2023

Number:	3210ST	Scenario:	Main
Title:	Trunk Sewer Rehab - Eastview Tributary System	Project Stage:	Committee of Council Review
Asset Type:	Asset Improvement and Maintenance (General)	Strategic Plans:	Infrastructure / Sustainability
Division:	Capital - Engineering, Environmental & Works	Project Type:	
Budget Year:	2018	Active:	Yes

Description		Comments		
<p>The project provides for the engineering and construction services for the rehabilitation of the Eastview Tributary Storm System. The works will include trenchless technologies to preserve the existing pipe works and extend the system's life. The Eastview Tributary is part of the Chippewa Creek watershed and generally runs from Ski Club Road south towards Northgate Square.</p> <p>A portion of the watercourse north of Trout Lake Road is enclosed in a storm sewer which runs along a back lot easement of the residential properties on the east side of Laurentian Avenue.</p> <p>Engineering services will include condition inspection, preliminary design, detailed design, agency approvals, contract drawings, specifications, tendering and construction technical assistance.</p>		<p>This work is being done as a preventative treatment at minimum cost to avoid potential collapse and emergency replacement. The trenchless methods are very cost effective by not requiring surface restorations and significant disturbance to the surrounding neighbourhood.</p> <p>The work will be constructed in one phase.</p>		
Scenario Description		Scenario Comments		
Forecast		Project Detailed 2018		
Budget Year	Total Expense	Total Revenue	Difference	
2024	100,000	100,000	0	
2026	1,000,000	1,000,000	0	
	1,100,000	1,100,000	0	
LTD Amount: 100,000		Total Project Cost: 1,200,000		
Related Projects		Operating Impacts		
Year Identified	Start Date	Useful Life	Manager	Completion Date
2011	Jan 1, 2016	75 Years	Megan Rochefort	Dec 31, 2027

Number:	3212RD	Scenario:	Main
Title:	Francis St. Sewer Upsizing	Project Stage:	Committee of Council Review
Asset Type:	Growth (General)	Strategic Plans:	Growth / Economic Development,...
Division:	Capital - Engineering, Environmental & Works	Project Type:	
Budget Year:	2018	Active:	Yes

Description		Comments		
The project consists of upsizing the existing sanitary sewer on Francis Street and restoration of the roadway.		Due to future development of Airport Hill and the newly constructed Aerospace Business Park, it has been identified that the existing sanitary sewer on Francis Street from Surrey Drive to Greenhill Avenue and on Greenhill Avenue from Francis Street to Tower Drive is undersized. Upsizing of the sanitary sewer is therefore required. Storm sewers, curbs and gutters will be contemplated in the future to bring this roadway up to an urban residential standard. The watermain condition will also be evaluated to determine if it needs to be replaced. Related projects include: 3212ST/SS/WS		
Scenario Description		Scenario Comments		
Forecast		Project Detailed 2018		
Budget Year	Total Expense	Total Revenue	Difference	
2022	90,000	90,000	0	
2024	1,800,000	1,800,000	0	
	1,890,000	1,890,000	0	
LTD Amount: 0		Total Project Cost: 1,890,000		
Related Projects		Operating Impacts		
Year Identified	Start Date	Useful Life	Manager	Completion Date
2012	Jan 1, 2022	25 Years	Gerry McCrank	Dec 31, 2025

Number:	3212SS	Scenario:	Main
Title:	Francis St. Sewer Upsizing	Project Stage:	Committee of Council Review
Asset Type:	Growth (Water and Wastewater)	Strategic Plans:	Growth / Economic Development,...
Division:	Capital - Sewer	Project Type:	
Budget Year:	2018	Active:	Yes

Description				Comments	
The project consists of upsizing the existing sanitary sewer on Francis Street and restoration of the roadway.				Due to future development of Airport Hill and the newly constructed Aerospace Business Park, it has been identified that the existing sanitary sewer on Francis Street from Surrey Drive to Greenhill Avenue and on Greenhill Avenue from Francis Street to Tower Drive is undersized. Upsizing of the sanitary sewer is therefore required. Storm sewers, curbs and gutters will be contemplated in the future to bring this roadway up to an urban residential standard. The watermain condition will also be evaluated to determine if it needs to be replaced. Related projects include: 3212RD/ST/WS	
Scenario Description				Scenario Comments	
Forecast				Project Detailed 2018	
Budget Year	Total Expense	Total Revenue	Difference		
2022	110,000	110,000	0		
2024	2,200,000	2,200,000	0		
	2,310,000	2,310,000	0		
LTD Amount: 0		Total Project Cost: 2,310,000			
Related Projects				Operating Impacts	
Year Identified	Start Date	Useful Life	Manager		Completion Date
2012	Jan 1, 2022	75 Years	Gerry McCrank		Dec 31, 2025

Number:	3212ST	Scenario:	Main
Title:	Francis St. Sewer Upsizing	Project Stage:	Committee of Council Review
Asset Type:	Growth (General)	Strategic Plans:	Growth / Economic Development,...
Division:	Capital - Engineering, Environmental & Works	Project Type:	
Budget Year:	2018	Active:	Yes

Description				Comments	
The project consists of upsizing the existing sanitary sewer on Francis Street and restoration of the roadway.				Due to future development of Airport Hill and the newly constructed Aerospace Business Park, it has been identified that the existing sanitary sewer on Francis Street from Surrey Drive to Greenhill Avenue and on Greenhill Avenue from Francis Street to Tower Drive is undersized. Upsizing of the sanitary sewer is therefore required. Storm sewers, curbs and gutters will be contemplated in the future to bring this roadway up to an urban residential standard. The watermain condition will also be evaluated to determine if it needs to be replaced. Related projects include: 3212RD/SS/WS	
Scenario Description				Scenario Comments	
Forecast				Project Detailed 2018	
Budget Year	Total Expense	Total Revenue	Difference		
2022	50,000	50,000	0		
2024	1,000,000	1,000,000	0		
	1,050,000	1,050,000	0		
LTD Amount: 0		Total Project Cost: 1,050,000			
Related Projects				Operating Impacts	
Year Identified	Start Date	Useful Life	Manager		Completion Date
2012	Jan 1, 2022	75 Years	Gerry McCrank		Dec 31, 2025

Number:	3212WS	Scenario:	Main
Title:	Francis St. Sewer Upsizing	Project Stage:	Committee of Council Review
Asset Type:	Growth (Water and Wastewater)	Strategic Plans:	Growth / Economic Development,...
Division:	Capital - Water	Project Type:	
Budget Year:	2018	Active:	Yes

Description				Comments	
The project consists of upsizing the existing sanitary sewer on Francis Street and restoration of the roadway.				Due to future development of Airport Hill and the newly constructed Aerospace Business Park, it has been identified that the existing sanitary sewer on Francis Street from Surrey Drive to Greenhill Avenue and on Greenhill Avenue from Francis Street to Tower Drive is undersized. Upsizing of the sanitary sewer is therefore required. Storm sewers, curbs and gutters will be contemplated in the future to bring this roadway up to an urban residential standard. The watermain condition will also be evaluated to determine if it needs to be replaced. Related projects include: 3212RD/ST/SS	
Scenario Description				Scenario Comments	
Forecast				Project Detailed 2018	
Budget Year	Total Expense	Total Revenue	Difference		
2022	50,000	50,000	0		
2024	1,000,000	1,000,000	0		
	1,050,000	1,050,000	0		
LTD Amount: 0		Total Project Cost: 1,050,000			
Related Projects				Operating Impacts	
Year Identified	Start Date	Useful Life	Manager		Completion Date
2012	Jan 1, 2022	75 Years	Gerry McCrank		Dec 31, 2025

Number:	3216GG	Scenario:	Main
Title:	Capital Financing (2% of Total Capital Financing Policy Limit)	Project Stage:	Committee of Council Review
Asset Type:	Strategic Investment (General)	Strategic Plans:	Master Plans
Division:	Capital - General Government	Project Type:	
Budget Year:	2018	Active:	Yes

Description				Comments			
The project is in line with the long term capital funding policy to put aside two percent of the total capital financing policy to pay for unfunded capital projects over the next ten years.							
Scenario Description				Scenario Comments			
Forecast				Project Detailed 2018			
Budget Year	Total Expense	Total Revenue	Difference	GL Account	Description	Total Amount	
2018	391,161	391,161	0	Expense			
2019	398,070	398,070	0	3199	MISC PROFESSIONAL FEES		391,161
2020	411,627	411,627	0			Total Expense:	391,161
2021	426,309	426,309	0	Revenue			
2022	443,223	443,223	0	0461	TSF FRM REV FUND-PAYGO		391,161
2023	455,529	455,529	0			Total Revenue:	391,161
2024	474,989	474,989	0				
2025	503,801	503,801	0				
2026	533,453	533,453	0				
2027	570,164	570,164	0				
	4,608,326	4,608,326	0				
LTD Amount: 2,562,949		Total Project Cost: 7,171,275					
Related Projects				Operating Impacts			
Year Identified	Start Date	Useful Life		Manager			Completion Date
2012	Jan 1, 2012	N/A		Margaret Karpenko			Dec 31, 2027

Number:	3302ST	Scenario:	Main
Title:	Trunk Sewer Rehab - Pinewood Fingers Creek	Project Stage:	Committee of Council Review
Asset Type:	Asset Improvement and Maintenance (General)	Strategic Plans:	Infrastructure / Sustainability
Division:	Capital - Engineering, Environmental & Works	Project Type:	
Budget Year:	2018	Active:	Yes

Description		Comments		
<p>The program provides for engineering and construction services for major culvert improvements at various locations along the Pinewood Fingers Creek. Culvert upgrades anticipated include the CP Rail Crossing, removal of the historical CN Rail Crossing, upsizing the culvert from Jane Street to Copeland Street, channelization downstream of Tackaberry Drive, upsizing the culvert crossing Tackaberry Drive, and upsizing the Culvert crossing the Ministry of Transportation Highway 17 corridor.</p> <p>Engineering services will include condition inspection, preliminary design, detailed design, agency approvals, contract drawings, specifications, tendering and construction technical assistance.</p>		<p>The Pinewood Fingers Creek has various culvert constraints that constrict the creek flow and add to flooding hazards. Flood flows at the culverts represent a significant risk to wash out type collapse of the culverts and roads.</p> <p>Flood flows through the yards between Jane Street and Copeland Street and backwater flooding to McNamara Street are the primary residential property flooding concerns. These hazards are expected with larger storms and as such are not considered an on-going nuisance hazard but rather a larger scale community protection concern. The work will be constructed in multiple phases.</p>		
Scenario Description		Scenario Comments		
Forecast		Project Detailed 2018		
Budget Year	Total Expense	Total Revenue	Difference	
2023	200,000	200,000	0	
2025	2,500,000	2,500,000	0	
	2,700,000	2,700,000	0	
LTD Amount: 0		Total Project Cost: 2,700,000		
Related Projects		Operating Impacts		
Year Identified	Start Date	Useful Life	Manager	Completion Date
2011	Jan 1, 2023	75 Years	Gerry McCrank	Dec 31, 2026

Number:	3309SS	Scenario:	Main
Title:	Wastewater Treatment Plant - Raw Sewage Pumping Station	Project Stage:	Committee of Council Review
Asset Type:	Asset Improvement and Maintenance (Water and Wastewater)	Strategic Plans:	Infrastructure / Sustainability
Division:	Capital - Sewer	Project Type:	
Budget Year:	2018	Active:	Yes

Description		Comments		
A detailed condition assessment of the Wastewater Treatment Facility was completed in 2011. The report called for many upgrades to the aging infrastructure. The sewage pumping station located at the head end of the facility was included in the assessment.		The facility is dependent on the sewage pumping station to provide the required head pressure so that waste flows continuously through the various treatment processes. Various projects will be staged over several years. Recommended short term repairs (within 2 years) included: replacing raw sewage pumps and valves; diesel generator upgrade; repairs to concrete walls, floor, and brick veneer; miscellaneous electrical upgrading; repairs to dislodged wall louver and leaking cracks in walls and floors at the pump level. This project provides engineering and construction for these recommended improvements.		
Scenario Description		Scenario Comments		
Forecast		Project Detailed 2018		
Budget Year	Total Expense	Total Revenue	Difference	
2019	800,000	800,000	0	
	800,000	800,000	0	
LTD Amount: 1,250,000		Total Project Cost: 2,050,000		
Related Projects		Operating Impacts		
Year Identified	Start Date	Useful Life	Manager	Completion Date
2013	Jan 1, 2013	20 Years	Karin Pratte	Dec 31, 2019

Number:	3403RD	Scenario:	Main
Title:	Four Mile Lake Rd. Extension to Highway 11	Project Stage:	Committee of Council Review
Asset Type:	Growth (General)	Strategic Plans:	Growth / Economic Development
Division:	Capital - Engineering, Environmental & Works	Project Type:	
Budget Year:	2018	Active:	Yes

Description		Comments		
The project involves the engineering and construction services for a new rural roadway from the west end of Four Mile Lake Road to Marsh Drive and possible upgrades on Marsh Drive to Highway 11 including any required improvements to Highway 11 and the Marsh Drive intersection.		The project's priority is related to development and should be implemented as expected growth demands.		
The road will be constructed as a truck route to service existing industrial properties and new industrial developments in the Airport area. Engineering services are being undertaken in-house and include an Environmental Assessment (EA), preliminary evaluation and design, detailed design, agency approvals, contract drawings, specifications, tendering and construction technical assistance.		The project would also address some safety concerns. Truck traffic to Highway 11/17 is currently serviced by Airport Road and O'Brien Street. Thibeault Hill on Highway 11 has a truck arrestor bed and Airport Hill does not. Removing truck traffic from Airport Hill and redirecting it to Thibeault Hill would reduce the risk of runaway trucks. Re-routing truck traffic would also extend the life of Airport Road and O'Brien Street between Airport Road and Highway 11/17.		
The work will be constructed in one phase.				
Scenario Description		Scenario Comments		
Forecast		Project Detailed 2018		
Budget Year	Total Expense	Total Revenue	Difference	
2019	50,000	50,000	0	
2027	4,900,000	4,900,000	0	
	4,950,000	4,950,000	0	
LTD Amount: 25,000		Total Project Cost: 4,975,000		
Related Projects		Operating Impacts		
Year Identified	Start Date	Useful Life	Manager	Completion Date
2011	Jan 1, 2013	25 Years	Reid Porter	Dec 31, 2028

Number:	3405PK	Scenario:	Main
Title:	Parking Property Acquisition Program	Project Stage:	Committee of Council Review
Asset Type:	Strategic Investment (General)	Strategic Plans:	Growth / Economic Development
Division:	Capital - Community Services	Project Type:	
Budget Year:	2018	Active:	Yes

Description		Comments		
The project is to provide funds for the purchase of lands for future parking uses.		Downtown development potential is limited if steps are not taken to provide additional parking space. The 2012 Parking Study identifies preferred properties to be acquired. The funding budgeted in 2020, 2023 and 2026 is for the purchase of lands identified. The construction cost of parking lots or facilities on these lands, if acquired, will be estimated and requested in future capital budgets. Potential site development for parking facilities related to the properties purchased in 2020 and 2023 have been budgeted in project 4201PK.		
Scenario Description		Scenario Comments		
Forecast		Project Detailed 2018		
Budget Year	Total Expense	Total Revenue	Difference	
2020	300,000	300,000	0	
2023	300,000	300,000	0	
2026	300,000	300,000	0	
	900,000	900,000	0	
LTD Amount: 0		Total Project Cost: 900,000		
Related Projects		Operating Impacts		
Year Identified	Start Date	Useful Life	Manager	Completion Date
2011	Jan 1, 2020	TBD	David Jackowski	Dec 31, 2026

Number:	3406RD	Scenario:	Main
Title:	Gertrude Rd. - Knox to Lakeshore - Sanitary Forcemain	Project Stage:	Committee of Council Review
Asset Type:	Asset Improvement and Maintenance (General)	Strategic Plans:	Infrastructure / Sustainability
Division:	Capital - Engineering, Environmental & Works	Project Type:	
Budget Year:	2018	Active:	Yes

Description			Comments			
The project involves the engineering and construction services for a new pumping station and forcemain on Gertrude Street from Knox Court to Lakeshore Drive, including the complete reconstruction of the road structure. Engineering services are being carried out by in-house resources and include preliminary design, detailed design, agency approvals, contract drawings, specifications, tendering and construction technical assistance.			The existing gravity sewer between Knox Court and Lakeshore Drive experiences capacity problems a number of times each year requiring Public Works to pump out backed up sections of the sewer system. A new forcemain would resolve the capacity issues. Also, the existing pumping station has reached the end of its useful life and needs replacement. The works will be constructed in one phase. Related project includes 3406SS.			
Scenario Description			Scenario Comments			
Forecast			Project Detailed 2018			
Budget Year	Total Expense	Total Revenue	Difference	GL Account	Description	Total Amount
2018	600,000	600,000	0	Expense		
	600,000	600,000	0	3425	CONSTRUCTION CONTRACT	571,429
				4005	INTERNAL INTEREST CHARGES	19,571
				7010	ADMINISTRATON & OVERHEAD	9,000
					Total Expense:	600,000
				Revenue		
				0461	TSF FRM REV FUND-PAYGO	600,000
					Total Revenue:	600,000
Related Projects			Operating Impacts			
Year Identified	Start Date	Useful Life	Manager		Completion Date	
2011	Jan 1, 2016	25 Years	Gerry McCrank		Dec 31, 2018	

Number:	3406SS	Scenario:	Main
Title:	Gertrude Rd. - Knox to Lakeshore - Sanitary Forcemain	Project Stage:	Committee of Council Review
Asset Type:	Asset Improvement and Maintenance (Water and Wastewater)	Strategic Plans:	Infrastructure / Sustainability
Division:	Capital - Sewer	Project Type:	
Budget Year:	2018	Active:	Yes

Description			Comments			
The project involves the engineering and construction services for a new pumping station and forcemain on Gertrude Street from Knox Court to Lakeshore Drive, including the complete reconstruction of the road structure. Engineering services are being carried out by in-house resources and include preliminary design, detailed design, agency approvals, contract drawings, specifications, tendering and construction technical assistance.			The existing gravity sewer between Knox Court and Lakeshore Drive experiences capacity problems a number of times each year requiring Public Works to pump out backed up sections of the sewer system. A new forcemain would resolve the capacity issues. Also, the existing pumping station has reached the end of its useful life and needs replacement. The works will be constructed in one phase. Related project includes 3406RD.			
Scenario Description			Scenario Comments			
Forecast			Project Detailed 2018			
Budget Year	Total Expense	Total Revenue	Difference	GL Account	Description	Total Amount
2018	750,000	750,000	0	Expense		
	750,000	750,000	0	3425	CONSTRUCTION CONTRACT	714,286
				4005	INTERNAL INTEREST CHARGES	24,464
				7010	ADMINISTRATON & OVERHEAD	11,250
					Total Expense:	750,000
				Revenue		
				0470	TSF FROM RESERVE FUND	750,000
					Total Revenue:	750,000
Related Projects			Operating Impacts			
Year Identified	Start Date	Useful Life	Manager		Completion Date	
2011	Jan 1, 2013	75 Years	Gerry McCrank		Dec 31, 2018	

Number:	3423RD	Scenario:	Main
Title:	Intersection of Highway 11/17 and Seymour	Project Stage:	Committee of Council Review
Asset Type:	Growth (General)	Strategic Plans:	Growth / Economic Development,...
Division:	Capital - Engineering, Environmental & Works	Project Type:	
Budget Year:	2018	Active:	Yes

Description	Comments
<p>The program involves the engineering and construction services for improvements to the Seymour and Highway 11/17 intersection.</p> <p>Engineering services are required for detailed design, agency approvals, contract drawings, specification, tendering, contract administration and construction technical assistance.</p>	<p>A contract for engineering services was awarded to an engineering consultant in 2010 which included a Ministry of Transportation (MTO) Class Environmental Assessment, preliminary evaluation and design and preparation of a Transportation Environmental Study Report (TESR).</p> <p>Intersection improvement works were carried out in 2004 as part of the requirements for the Home Depot development. At that time, it was anticipated that future additional development in the area (including the South Block) could require more improvements to the intersection and subsequent traffic studies have identified that improvements will be required depending on the development timing of various sites.</p> <p>The work will be constructed in one phase. External funding sources will include the MTO.</p> <p>Related projects include 3700RD/ST/WS.</p>

Scenario Description	Scenario Comments

Forecast				Project Detailed 2018		
Budget Year	Total Expense	Total Revenue	Difference	GL Account	Description	Total Amount
2018	600,000	600,000	0	Expense		
	600,000	600,000	0	3425	CONSTRUCTION CONTRACT	571,429
				4005	INTERNAL INTEREST CHARGES	19,571
				7010	ADMINISTRATON & OVERHEAD	9,000
					Total Expense:	600,000
				Revenue		
				0461	TSF FRM REV FUND-PAYGO	360,000
				0508	MIN OF TRANSPORTATION	240,000
					Total Revenue:	600,000
LTD Amount: 5,700,000		Total Project Cost: 6,300,000				

Related Projects	Operating Impacts

Year Identified	Start Date	Useful Life	Manager	Completion Date
2014	Jan 1, 2015	25 Years	Gerry McCrank	Dec 31, 2019

Number:	3500RD	Scenario:	Main
Title:	Lakeshore Dr. Area - Trunk Watermain and Sewer - Phase 1 - Judge to Gertrude	Project Stage:	Committee of Council Review
Asset Type:	Asset Improvement and Maintenance (General)	Strategic Plans:	Growth / Economic Development,...
Division:	Capital - Engineering, Environmental & Works	Project Type:	
Budget Year:	2018	Active:	Yes

Description			Comments	
<p>The program involves the engineering and construction services for upgrading the existing 100 mm watermain to a trunk 400 mm watermain and a relief trunk sewer for the Marshall sanitary pumping station. Road and boulevard surface restoration will also be required for the areas disturbed by the watermain installation.</p>			<p>Watermain service along the entire Lakeshore Drive corridor is severely undersized and a new trunk watermain is required to provide adequate water supply. This work was first identified in 1977 and was targeted for construction at the time of reconstruction needs of the road surface to maximize the value of the road asset.</p>	
			<p>In 2003, efforts for the watermain construction commenced; however, the project was postponed due to funding constraints. In 2004, the road surface deteriorated to a degree that the restoration could not await watermain installation works and the road surface was temporarily restored. It is anticipated that at the time of the deterioration of the temporary road works, another opportunity for the watermain upgrades will be available.</p>	
			<p>The need was more recently confirmed again in the 2008 Infrastructure Background Study that was prepared in support of the Official Plan update. Installation of a trunk watermain from Judge Avenue to Sunset Boulevard will be carried out over three phases - Phase 1 will include Judge Avenue to Gertrude Street, Phase 2 will include Gertrude Street to Marshall Avenue and Phase 3 will include Marshall Avenue to Sunset Blvd.</p>	
			<p>The Marshall sanitary pumping station currently has no outlet in proximity to the station to relieve flow in the event of an emergency at the pumping station or a downstream break on the forcemain. During these emergency situations, sewage flows may back up into upstream buildings. A new relief sewer can be constructed by upsizing the existing trunk sewer that drains to the Judge sanitary pumping station and extending the upstream end to Marshall Avenue.</p>	
			<p>Related projects include 3500ST/SS/WS, Phase 2 - 3802RD/ST/SS/WS and Phase 3 - 4200RD/ST/SS/WS.</p>	
Scenario Description			Scenario Comments	
Forecast			Project Detailed 2018	
Budget Year	Total Expense	Total Revenue	Difference	
2019	2,600,000	2,600,000	0	
	2,600,000	2,600,000	0	
LTD Amount: 130,000		Total Project Cost: 2,730,000		
Related Projects			Operating Impacts	
Year Identified	Start Date	Useful Life	Manager	Completion Date
2011	Jan 1, 2017	25 Years	Reid Porter	Dec 31, 2020

Number:	3500SS	Scenario:	Main
Title:	Lakeshore Dr. Area - Trunk Watermain and Sewer - Phase 1 - Judge to Gertrude	Project Stage:	Committee of Council Review
Asset Type:	Asset Improvement and Maintenance (Water and Wastewater)	Strategic Plans:	Growth / Economic Development,...
Division:	Capital - Sewer	Project Type:	
Budget Year:	2018	Active:	Yes

Description				Comments	
<p>The program involves the engineering and construction services for upgrading the existing 100 mm watermain to a trunk 400 mm watermain and a relief trunk sewer for the Marshall sanitary pumping station. Road and boulevard surface restoration will also be required for the areas disturbed by the watermain installation.</p>				<p>Watermain service along the entire Lakeshore Drive corridor is severely undersized and a new trunk watermain is required to provide adequate water supply. This work was first identified in 1977 and was targeted for construction at the time of reconstruction needs of the road surface to maximize the value of the road asset.</p>	
				<p>In 2003, efforts for the watermain construction commenced; however, the project was postponed due to funding constraints. In 2004, the road surface deteriorated to a degree that the restoration could not await watermain installation works and the road surface was temporarily restored. It is anticipated that at the time of the deterioration of the temporary road works, another opportunity for the watermain upgrades will be available.</p>	
				<p>The need was more recently confirmed again in the 2008 Infrastructure Background Study that was prepared in support of the Official Plan update. Installation of a trunk watermain from Judge Avenue to Sunset Boulevard will be carried out over three phases - Phase 1 will include Judge Avenue to Gertrude Street, Phase 2 will include Gertrude Street to Marshall Avenue and Phase 3 will include Marshall Avenue to Sunset Blvd.</p>	
				<p>The Marshall sanitary pumping station currently has no outlet in proximity to the station to relieve flow in the event of an emergency at the pumping station or a downstream break on the forcemain. During these emergency situations, sewage flows may back up into upstream buildings. A new relief sewer can be constructed by upsizing the existing trunk sewer that drains to the Judge sanitary pumping station and extending the upstream end to Marshall Avenue.</p>	
				<p>Related projects include 3500RD/ST/WS, Phase 2 - 3802RD/ST/SS/WS and Phase 3 - 4200RD/ST/SS/WS.</p>	
Scenario Description				Scenario Comments	
Forecast				Project Detailed 2018	
Budget Year	Total Expense	Total Revenue	Difference		
2019	5,100,000	5,100,000	0		
	5,100,000	5,100,000	0		
LTD Amount: 255,000		Total Project Cost: 5,355,000			
Related Projects				Operating Impacts	
Year Identified	Start Date	Useful Life	Manager		Completion Date
2011	Jan 1, 2017	75 Years	Reid Porter		Dec 31, 2020

Number:	3500ST	Scenario:	Main
Title:	Lakeshore Dr. Area - Trunk Watermain and Sewer - Phase 1 - Judge to Gertrude	Project Stage:	Committee of Council Review
Asset Type:	Asset Improvement and Maintenance (General)	Strategic Plans:	Growth / Economic Development
Division:	Capital - Engineering, Environmental & Works	Project Type:	
Budget Year:	2018	Active:	Yes

Description				Comments	
<p>The program involves the engineering and construction services for upgrading the existing 100 mm watermain to a trunk 400 mm watermain and a relief trunk sewer for the Marshall sanitary pumping station. Road and boulevard surface restoration will also be required for the areas disturbed by the watermain installation.</p>				<p>Watermain service along the entire Lakeshore Drive corridor is severely undersized and a new trunk watermain is required to provide adequate water supply. This work was first identified in 1977 and was targeted for construction at the time of reconstruction needs of the road surface to maximize the value of the road asset.</p>	
				<p>In 2003, efforts for the watermain construction commenced; however, the project was postponed due to funding constraints. In 2004, the road surface deteriorated to a degree that the restoration could not await watermain installation works and the road surface was temporarily restored. It is anticipated that at the time of the deterioration of the temporary road works, another opportunity for the watermain upgrades will be available.</p>	
				<p>The need was more recently confirmed again in the 2008 Infrastructure Background Study that was prepared in support of the Official Plan update. Installation of a trunk watermain from Judge Avenue to Sunset Boulevard will be carried out over three phases - Phase 1 will include Judge Avenue to Gertrude Street, Phase 2 will include Gertrude Street to Marshall Avenue and Phase 3 will include Marshall Avenue to Sunset Blvd.</p>	
				<p>The Marshall sanitary pumping station currently has no outlet in proximity to the station to relieve flow in the event of an emergency at the pumping station or a downstream break on the forcemain. During these emergency situations, sewage flows may back up into upstream buildings. A new relief sewer can be constructed by upsizing the existing trunk sewer that drains to the Judge sanitary pumping station and extending the upstream end to Marshall Avenue.</p>	
				<p>Related projects include 3500RD/SS/WS, Phase 2 - 3802RD/ST/SS/WS and Phase 3 - 4200RD/ST/SS/WS.</p>	
Scenario Description				Scenario Comments	
Forecast				Project Detailed 2018	
Budget Year	Total Expense	Total Revenue	Difference		
2019	1,400,000	1,400,000	0		
	1,400,000	1,400,000	0		
LTD Amount: 70,000		Total Project Cost: 1,470,000			
Related Projects				Operating Impacts	
Year Identified	Start Date	Useful Life	Manager		Completion Date
2011	Jan 1, 2017	75 Years	Reid Porter		Dec 31, 2020

Number:	3500WS	Scenario:	Main
Title:	Lakeshore Dr. Area - Trunk Watermain and Sewer - Phase 1 - Judge to Gertrude	Project Stage:	Committee of Council Review
Asset Type:	Asset Improvement and Maintenance (Water and Wastewater)	Strategic Plans:	Growth / Economic Development,...
Division:	Capital - Water	Project Type:	
Budget Year:	2018	Active:	Yes

Description		Comments		
<p>The program involves the engineering and construction services for upgrading the existing 100 mm watermain to a trunk 400 mm watermain and a relief trunk sewer for the Marshall sanitary pumping station. Road and boulevard surface restoration will also be required for the areas disturbed by the watermain installation.</p>		<p>Watermain service along the entire Lakeshore Drive corridor is severely undersized and a new trunk watermain is required to provide adequate water supply. This work was first identified in 1977 and was targeted for construction at the time of reconstruction needs of the road surface to maximize the value of the road asset.</p> <p>In 2003, efforts for the watermain construction commenced; however, the project was postponed due to funding constraints. In 2004, the road surface deteriorated to a degree that the restoration could not await watermain installation works and the road surface was temporarily restored. It is anticipated that at the time of the deterioration of the temporary road works, another opportunity for the watermain upgrades will be available.</p> <p>The need was more recently confirmed again in the 2008 Infrastructure Background Study that was prepared in support of the Official Plan update. Installation of a trunk watermain from Judge Avenue to Sunset Boulevard will be carried out over three phases - Phase 1 will include Judge Avenue to Gertrude Street, Phase 2 will include Gertrude Street to Marshall Avenue and Phase 3 will include Marshall Avenue to Sunset Blvd.</p> <p>The Marshall sanitary pumping station currently has no outlet in proximity to the station to relieve flow in the event of an emergency at the pumping station or a downstream break on the forcemain. During these emergency situations, sewage flows may back up into upstream buildings. A new relief sewer can be constructed by upsizing the existing trunk sewer that drains to the Judge sanitary pumping station and extending the upstream end to Marshall Avenue.</p> <p>Related projects include 3500RD/ST/SS, Phase 2 - 3802RD/ST/SS/WS and Phase 3 - 4200RD/ST/SS/WS.</p>		
Scenario Description		Scenario Comments		
Forecast		Project Detailed 2018		
Budget Year	Total Expense	Total Revenue	Difference	
2019	2,200,000	2,200,000	0	
	2,200,000	2,200,000	0	
LTD Amount: 110,000		Total Project Cost: 2,310,000		
Related Projects		Operating Impacts		
Year Identified	Start Date	Useful Life	Manager	Completion Date
2011	Jan 1, 2017	75 Years	Reid Porter	Dec 31, 2020

Number:	3506ST	Scenario:	Main
Title:	Stormwater Management - Overland Flow Control Study	Project Stage:	Committee of Council Review
Asset Type:	Asset Improvement and Maintenance (General)	Strategic Plans:	Infrastructure / Sustainability, Master Plans
Division:	Capital - Engineering, Environmental & Works	Project Type:	
Budget Year:	2018	Active:	Yes

Description			Comments	
<p>The project involves the engineering services for the analysis of the City’s stormwater infrastructure and major storm water flow routes (i.e. when the sewers are full) leading to the identification of repair and rehabilitation candidates.</p> <p>Engineering services will include mapping of drainage areas, analysis of the major and minor (storm sewer) systems and identification of repairs and rehabilitation needs to mitigate major flow system deficiencies.</p>			<p>The City's storm sewer systems (the minor system) are only designed to capture runoff from certain sized storms (one that statistically occurs once every five years).</p> <p>During intense rain events, the system's capacity can be exceeded and once the sewer systems are full of water any additional runoff must flow overland (the major system). If the overland flow routes are designed properly, localized flooding can be mitigated.</p> <p>Unfortunately, a number of older systems did not include accommodations for a major system - examples include the low area at Ferguson Street and King Street that experienced a number of floods in recent years, as well as the low spot on Surrey Drive between Airport Road and Francis Avenue, which has experienced some minor flooding, but with a large enough storm, the only outlet was between two residential houses.</p> <p>Projects have been undertaken recently to correct the major system deficiencies on Ferguson Street and Surrey Drive. A City-wide study will help to identify other under-designed areas and to prioritize areas with the greatest risk potential for flooding and damage. The work will be undertaken in one phase.</p>	
Scenario Description			Scenario Comments	
Forecast			Project Detailed 2018	
Budget Year	Total Expense	Total Revenue	Difference	
2021	100,000	100,000	0	
	100,000	100,000	0	
LTD Amount: 0		Total Project Cost: 100,000		
Related Projects			Operating Impacts	
Year Identified	Start Date	Useful Life	Manager	Completion Date
2011	Jan 1, 2021	N/A	Gerry McCrank	Dec 31, 2022

Number:	3508PR	Scenario:	Main
Title:	Parks and Playgrounds - New Neighbourhood Parks	Project Stage:	Committee of Council Review
Asset Type:	Growth (General)	Strategic Plans:	Growth / Economic Development
Division:	Capital - Community Services	Project Type:	
Budget Year:	2018	Active:	Yes

Description				Comments			
The program provides for the development of new parks based on recommendations in the 2009 Parks Plan Update and the City's Official Plan.				Areas identified for development are Trillium Woods, Sugar Bush, Cedar Heights and Lavase Park Trail Head.			
Scenario Description				Scenario Comments			
				The following details support the Capital Forecast for 2018 to 2026: 2019 includes the development of a park in the Trillium Woods subdivision. 2022 includes the development of a park in the Sugar Bush subdivision. 2026 includes the development of a park in the Cedar Heights subdivision.			
Forecast				Project Detailed 2018			
Budget Year	Total Expense	Total Revenue	Difference				
2019	200,000	200,000	0				
2022	200,000	200,000	0				
2026	200,000	200,000	0				
	600,000	600,000	0				
LTD Amount: 0		Total Project Cost: 600,000					
Related Projects				Operating Impacts			
Year Identified	Start Date	Useful Life		Manager		Completion Date	
2011	Jan 1, 2019	TBD		David Schroeder		Dec 31, 2026	

Number:	3509PZ	Scenario:	Main
Title:	Official Plan 5 Year Review and Study Update	Project Stage:	Committee of Council Review
Asset Type:	Strategic Investment (General)	Strategic Plans:	Master Plans
Division:	Capital - Community Services	Project Type:	
Budget Year:	2018	Active:	Yes

Description		Comments	
The project provides for the completion of the Commercial Strategy Study Update and Population, Household and Employment Forecast leading to the 5-year review of the City's Official Plan.		<p>The City's Official Plan requires a review every 5 years. In order to complete the review a number of background studies are required. This project will enable the update to the City's Commercial Strategy Study and the Population, Household and Employment Forecast. These studies are in addition to the Parks and Active Transportation Plan Update, Source Water Protection Plan Implementation and Trout Lake Capacity Assessment.</p> <p>In 2018, the City will continue to engage consultants to perform the studies as identified and will engage a consultant to complete the review and update to the City's policies.</p>	
Scenario Description		Scenario Comments	
Forecast		Project Detailed 2018	
Budget Year	Total Expense	Total Revenue	Difference
2018	125,000	125,000	0
2021	175,000	175,000	0
2026	250,000	250,000	0
	550,000	550,000	0
LTD Amount: 125,000		Total Project Cost: 675,000	
		GL Account	Description
		Expense	Total Amount
		3130	CONSULTANT FEES 119,048
		4005	INTERNAL INTEREST CHARGES 4,077
		7010	ADMINISTRATON & OVERHEAD 1,875
		Total Expense:	125,000
		Revenue	
		0284	DEVELOPMENT CHARGES 56,250
		0461	TSF FRM REV FUND-PAYGO 68,750
		Total Revenue:	125,000
Related Projects		Operating Impacts	
Year Identified	Start Date	Useful Life	Manager
2011	Jan 1, 2017	TBD	Beverley Hillier
		Completion Date	
		Dec 31, 2018	

Number:	3514SS	Scenario:	Main
Title:	Sage Rd. Area Trunk Rehab	Project Stage:	Committee of Council Review
Asset Type:	Asset Improvement and Maintenance (Water and Wastewater)	Strategic Plans:	Infrastructure / Sustainability
Division:	Capital - Sewer	Project Type:	
Budget Year:	2018	Active:	Yes

Description			Comments	
<p>The project involves the engineering and construction services for upsizing of a portion of the Sage Road trunk sanitary sewer system. Engineering services will include preliminary design, detailed design, agency approvals, contract drawings, specifications, tendering, and construction technical assistance.</p>			<p>The undersized section runs from the intersection of K&K Drive, through an easement on the old Arclin Canada property, under the ONR train tracks and through an easement between two residential properties on Perut Place.</p> <p>Given the constraints of working in easements on private properties, including very close proximity to two residential houses, different alternatives will be generated to solve the capacity issues. The alternatives could include a new sewer on a new alignment or the use of trenchless technologies to upsize the existing pipe.</p> <p>The 2008 Infrastructure Background Study that was prepared in support of the Official Plan update identified that this section of the Sage Road Trunk is currently undersized and during peak flows the pipe capacity will be exceeded. Any additional development served by the Sage Trunk will only make the capacity issues worse. The engineering study will look at different alternatives to address the capacity issues.</p>	
Scenario Description			Scenario Comments	
Forecast			Project Detailed 2018	
Budget Year	Total Expense	Total Revenue	Difference	
2022	500,000	500,000	0	
2025	3,500,000	3,500,000	0	
	4,000,000	4,000,000	0	
LTD Amount: 0			Total Project Cost: 4,000,000	
Related Projects			Operating Impacts	
Year Identified	Start Date	Useful Life	Manager	Completion Date
2008	Jan 2, 2022	75 Years	Reid Porter	Dec 31, 2026

Number:	3517WS	Scenario:	Main
Title:	Birchs Rd. Standpipe Maintenance and Rehab	Project Stage:	Committee of Council Review
Asset Type:	Asset Improvement and Maintenance (Water and Wastewater)	Strategic Plans:	Maintenance
Division:	Capital - Water	Project Type:	
Budget Year:	2018	Active:	Yes

Description				Comments			
Birchs standpipe is an epoxy coated welded steel tank structure used to store potable water for the South end pressure zone. This critical piece of infrastructure requires periodic condition assessments and scheduled maintenance. This project provides for the assessments as well as the required epoxy coating treatment.				This program includes the recoating the internal and external epoxy of the standpipe.			
Scenario Description				Scenario Comments			
Forecast				Project Detailed 2018			
Budget Year	Total Expense	Total Revenue	Difference	GL Account	Description	Total Amount	
2018	100,000	100,000	0	Expense			
2022	200,000	200,000	0	3425	CONSTRUCTION CONTRACT	95,238	
	300,000	300,000	0	4005	INTERNAL INTEREST CHARGES	3,262	
				7010	ADMINISTRATON & OVERHEAD	1,500	
LTD Amount: 250,000		Total Project Cost: 550,000		Total Expense:		100,000	
				Revenue			
				0461	TSF FRM REV FUND-PAYGO	100,000	
				Total Revenue:		100,000	
Related Projects				Operating Impacts			
Year Identified	Start Date	Useful Life		Manager		Completion Date	
2013	Jan 1, 2015	10 Years		Karin Pratte		Dec 31, 2022	

Number:	3518PR	Scenario:	Main
Title:	King's Landing Commercialization of Waterfront	Project Stage:	Committee of Council Review
Asset Type:	Strategic Investment (General)	Strategic Plans:	Growth / Economic Development
Division:	Capital - Community Services	Project Type:	
Budget Year:	2018	Active:	Yes

Description		Comments	
The program provides for the development of infrastructure at the Waterfront to support commercial investment.		<p>Pier development and waterfront restoration detailed design will be completed in 2017. Project will be completed with collaboration between Community Services and Engineering.</p> <p>The LTD Amount includes approved NOHFC funding of \$375,000 and FedNor funding of \$300,000 to fund the environmental assessment and engineering design.</p> <p>The 2017 to 2021 budget includes anticipated funding for the construction of a new pier. If Council determines that the current pier should be rehabilitated, the City would no longer be eligible for the 3rd party funding. The City contributions included in 2017 to 2021 would need to be re-directed by Council to fund the rehabilitation of King's Landing.</p>	
Scenario Description		Scenario Comments	
Forecast		Project Detailed 2018	
Budget Year	Total Expense	Total Revenue	Difference
2020	4,050,000	4,050,000	0
2021	3,000,000	3,000,000	0
	7,050,000	7,050,000	0
LTD Amount: 3,386,250		Total Project Cost: 10,436,250	
Related Projects		Operating Impacts	
Year Identified	Start Date	Useful Life	Manager
2014	Jan 1, 2015	TBD	John Severino
			Completion Date
			Dec 31, 2021

Number:	3601RD	Scenario:	Main
Title:	Worthington, Sherbrooke, First 4" Watermain Replacement	Project Stage:	Committee of Council Review
Asset Type:	Asset Improvement and Maintenance (General)	Strategic Plans:	Infrastructure / Sustainability
Division:	Capital - Engineering, Environmental & Works	Project Type:	
Budget Year:	2018	Active:	Yes

Description				Comments	
<p>The project involves the engineering and construction services for the replacement of 100 mm watermains in various locations of the downtown areas, including 100 mm watermains on Worthington Street, Sherbrooke Street, and First Avenue.</p> <p>Engineering services are anticipated to be undertaken in-house and will include preliminary design, detailed design, agency approvals, contract drawings, specifications, tendering and construction technical assistance. In addition to the watermain replacement, the construction works will also include restoration of the disturbed surface areas, including road base aggregates, asphalt, curb, gutter, grass boulevard and grassed ditches.</p>				<p>Historically, 100 mm watermains have been problematic due to build-up of tubercles and other corrosion deposits inside the mains, leading to significant reduction in flow capacity. Additionally, the recent Fire Underwriter's Survey identified an excessive amount of 100 mm watermains within the city, resulting in a negative impact on the City's overall scoring. Replacement of the 100 mm watermains will mitigate risk due to reduced fire flows and will address the Fire Underwriter's Survey concerns.</p>	
				<p>The project will be constructed in one phase. The related project includes 3601WS.</p>	
Scenario Description				Scenario Comments	
Forecast				Project Detailed 2018	
Budget Year	Total Expense	Total Revenue	Difference		
2023	40,000	40,000	0		
2024	1,500,000	1,500,000	0		
	1,540,000	1,540,000	0		
LTD Amount: 100,000		Total Project Cost: 1,640,000			
Related Projects				Operating Impacts	
Year Identified	Start Date	Useful Life	Manager		Completion Date
2011	Jan 1, 2017	25 Years	Gerry McCrank		Dec 31, 2024

Number:	3601WS	Scenario:	Main
Title:	Worthington, Sherbrooke, First 4" Watermain Replacement	Project Stage:	Committee of Council Review
Asset Type:	Asset Improvement and Maintenance (Water and Wastewater)	Strategic Plans:	Infrastructure / Sustainability
Division:	Capital - Water	Project Type:	
Budget Year:	2018	Active:	Yes

Description				Comments	
<p>The project involves the engineering and construction services for the replacement of 100 mm watermains in various locations of the downtown areas, including 100 mm watermains on Worthington Street, Sherbrooke Street, and First Avenue.</p> <p>Engineering services are anticipated to be undertaken in-house and will include preliminary design, detailed design, agency approvals, contract drawings, specifications, tendering and construction technical assistance. In addition to the watermain replacement, the construction works will also include restoration of the disturbed surface areas, including road base aggregates, asphalt, curb, gutter, grass boulevard and grassed ditches.</p>				<p>Historically, 100 mm watermains have been problematic due to build-up of tubercles and other corrosion deposits inside the mains, leading to significant reduction in flow capacity. Additionally, the recent Fire Underwriter's Survey identified an excessive amount of 100 mm watermains within the city, resulting in a negative impact on the City's overall scoring. Replacement of the 100 mm watermains will mitigate risk due to reduced fire flows and will address the Fire Underwriter's Survey concerns.</p>	
				<p>The project will be constructed in one phase. The related project includes 3601RD.</p>	
Scenario Description				Scenario Comments	
Forecast				Project Detailed 2018	
Budget Year	Total Expense	Total Revenue	Difference		
2023	10,000	10,000	0		
2024	600,000	600,000	0		
	610,000	610,000	0		
LTD Amount: 100,000		Total Project Cost: 710,000			
Related Projects				Operating Impacts	
Year Identified	Start Date	Useful Life	Manager		Completion Date
2011	Jan 1, 2017	75 Years	Gerry McCrank		Dec 31, 2024

Number:	3605RD	Scenario:	Main
Title:	Ellendale Second Reservoir & Second Feed	Project Stage:	Committee of Council Review
Asset Type:	Strategic Investment (General)	Strategic Plans:	Infrastructure / Sustainability
Division:	Capital - Engineering, Environmental & Works	Project Type:	
Budget Year:	2018	Active:	Yes

Description				Comments	
<p>The project involves the engineering design and construction services for a second trunk watermain feed to the Ellendale Reservoir and a second reservoir adjacent to the existing reservoir.</p> <p>Engineering services will include preliminary design, detailed design, agency approvals, contract drawings, specifications, tendering and construction technical assistance.</p>				<p>The Ellendale Reservoir is currently fed through a single 750 mm trunk watermain from Ski Club Road along Olympia Court and through an easement to the reservoir. A redundant feed is required to minimize the potential for serious long duration water supply interruptions to the Airport Heights area as a result of a break in the single feed line.</p> <p>The existing Ellendale Reservoir provides storage for Zone 1 in the water distribution system. When there is a need to shut down the feed to the reservoir (such as for certain construction activities or emergency repair), there is only a short duration available for the work to get completed since the distribution system would only be supplied by the available storage in the reservoir. A second reservoir would provide additional storage and increase the duration available to get the work completed, thereby reducing the risk of running out of water.</p> <p>Related Project includes 3605WS.</p>	
Scenario Description				Scenario Comments	
Forecast				Project Detailed 2018	
Budget Year	Total Expense	Total Revenue	Difference		
2026	420,000	420,000	0		
	420,000	420,000	0		
<u>LTD Amount:</u> 0		<u>Total Project Cost:</u> 420,000			
Related Projects				Operating Impacts	
Year Identified	Start Date	Useful Life	Manager		Completion Date
2011	Jan 1, 2016	75 Years	Gerry McCrank		Dec 31, 2027

Number:	3605WS	Scenario:	Main
Title:	Ellendale Second Reservoir & Second Feed	Project Stage:	Committee of Council Review
Asset Type:	Strategic Investment (Water and Wastewater)	Strategic Plans:	Infrastructure / Sustainability
Division:	Capital - Water	Project Type:	
Budget Year:	2018	Active:	Yes

Description				Comments	
<p>The project involves the engineering design and construction services for a second trunk watermain feed to the Ellendale Reservoir and a second reservoir adjacent to the existing reservoir.</p> <p>Engineering services will include preliminary design, detailed design, agency approvals, contract drawings, specifications, tendering and construction technical assistance.</p>				<p>The Ellendale Reservoir is currently fed through a single 750 mm trunk watermain from Ski Club Road along Olympia Court and through an easement to the reservoir. A redundant feed is required to minimize the potential for serious long duration water supply interruptions to the Airport Heights area as a result of a break in the single feed line.</p> <p>The existing Ellendale Reservoir provides storage for Zone 1 in the water distribution system. When there is a need to shut down the feed to the reservoir (such as for certain construction activities or emergency repair), there is only a short duration available for the work to get completed since the distribution system would only be supplied by the available storage in the reservoir. A second reservoir would provide additional storage and increase the duration available to get the work completed, thereby reducing the risk of running out of water.</p> <p>Related Project includes 3605RD.</p>	
				Scenario Comments	
Scenario Description					
Forecast				Project Detailed 2018	
Budget Year	Total Expense	Total Revenue	Difference		
2024	750,000	750,000	0		
2026	10,000,000	10,000,000	0		
	10,750,000	10,750,000	0		
LTD Amount: 230,000		Total Project Cost: 10,980,000			
Related Projects				Operating Impacts	
Year Identified	Start Date	Useful Life	Manager		Completion Date
2011	Jan 1, 2016	75 Years	Gerry McCrank		Dec 31, 2027

Number:	3606RD	Scenario:	Main
Title:	O'Brien St. Reconstruction - Airport to High	Project Stage:	Committee of Council Review
Asset Type:	Asset Improvement and Maintenance (General)	Strategic Plans:	Infrastructure / Sustainability
Division:	Capital - Engineering, Environmental & Works	Project Type:	
Budget Year:	2018	Active:	Yes

Description		Comments	
<p>The project involves the engineering and construction services for reconstruction of above-ground and underground infrastructure and to upgrade O'Brien Street to a proper collector standard from Airport Road to High Street.</p> <p>Engineering services will include an Environmental Assessment (EA), preliminary evaluation and design, detailed design, agency approvals, contract drawings, specifications, tendering and construction technical assistance. Road works include the road base aggregates, asphalt, curb, gutter, grass boulevard and concrete sidewalk. Underground works will include the installation of storm sewers and repairs/rehabilitation of watermain and sanitary sewers.</p>		<p>O'Brien Street was originally constructed as a semi-urban collector (included some ditches). The City Capital Works Program has targeted upgrading of the City's arterial roads as a primary objective over the past ten years. As most of the arterial routes have been addressed, the collector and bus routes are the secondary priority to be addressed.</p> <p>O'Brien Street is a primary collector route between Cassells Street, Front Street and Airport Road. O'Brien Street does not have proper surface drainage (only a small portion has ditches) or proper road base drainage (no ditches or sub-drain to drain the road base aggregates). Drainage improvement will result in a pavement structure with a longer life.</p> <p>The work will be constructed in several phases. Related Project includes 3606ST/WS.</p>	
Scenario Description		Scenario Comments	
Forecast		Project Detailed 2018	
Budget Year	Total Expense	Total Revenue	Difference
2023	275,000	275,000	0
2025	5,500,000	5,500,000	0
	5,775,000	5,775,000	0
LTD Amount: 0		Total Project Cost: 5,775,000	
Related Projects		Operating Impacts	
Year Identified	Start Date	Useful Life	Manager
2012	Jan 1, 2023	25 Years	Reid Porter
			Completion Date
			Dec 31, 2026

Number:	3606ST	Scenario:	Main
Title:	O'Brien St. Reconstruction - Airport to High	Project Stage:	Committee of Council Review
Asset Type:	Asset Improvement and Maintenance (General)	Strategic Plans:	Infrastructure / Sustainability
Division:	Capital - Engineering, Environmental & Works	Project Type:	
Budget Year:	2018	Active:	Yes

Description		Comments	
<p>The project involves the engineering and construction services for reconstruction of above-ground and underground infrastructure and to upgrade O'Brien Street to a proper collector standard from Airport Road to High Street.</p> <p>Engineering services will include an Environmental Assessment (EA), preliminary evaluation and design, detailed design, agency approvals, contract drawings, specifications, tendering and construction technical assistance. Road works include the road base aggregates, asphalt, curb, gutter, grass boulevard and concrete sidewalk. Underground works will include the installation of storm sewers and repairs/rehabilitation of watermain and sanitary sewers.</p>		<p>O'Brien Street was originally constructed as a semi-urban collector (included some ditches). The City Capital Works Program has targeted upgrading of the City's arterial roads as a primary objective over the past ten years. As most of the arterial routes have been addressed, the collector and bus routes are the secondary priority to be addressed.</p> <p>O'Brien Street is a primary collector route between Cassells Street, Front Street and Airport Road. O'Brien Street does not have proper surface drainage (only a small portion has ditches) or proper road base drainage (no ditches or sub-drain to drain the road base aggregates). Drainage improvement will result in a pavement structure with a longer life.</p> <p>The work will be constructed in several phases. Related Project includes 3606RD/WS.</p>	
Scenario Description		Scenario Comments	
Forecast		Project Detailed 2018	
Budget Year	Total Expense	Total Revenue	Difference
2023	100,000	100,000	0
2025	2,000,000	2,000,000	0
	2,100,000	2,100,000	0
LTD Amount: 0		Total Project Cost: 2,100,000	
Related Projects		Operating Impacts	
Year Identified	Start Date	Useful Life	Manager
2012	Jan 1, 2023	75 Years	Reid Porter
		Completion Date	
		Dec 31, 2026	

Number:	3606WS	Scenario:	Main
Title:	O'Brien St. Reconstruction - Airport to High	Project Stage:	Committee of Council Review
Asset Type:	Asset Improvement and Maintenance (Water and Wastewater)	Strategic Plans:	Infrastructure / Sustainability
Division:	Capital - Water	Project Type:	
Budget Year:	2018	Active:	Yes

Description		Comments	
<p>The project involves the engineering and construction services for reconstruction of above-ground and underground infrastructure and to upgrade O'Brien Street to a proper collector standard from Airport Road to High Street.</p> <p>Engineering services will include an Environmental Assessment (EA), preliminary evaluation and design, detailed design, agency approvals, contract drawings, specifications, tendering and construction technical assistance. Road works include the road base aggregates, asphalt, curb, gutter, grass boulevard and concrete sidewalk. Underground works will include the installation of storm sewers and repairs/rehabilitation of watermain and sanitary sewers.</p>		<p>O'Brien Street was originally constructed as a semi-urban collector (included some ditches). The City Capital Works Program has targeted upgrading of the City's arterial roads as a primary objective over the past ten years. As most of the arterial routes have been addressed, the collector and bus routes are the secondary priority to be addressed.</p> <p>O'Brien Street is a primary collector route between Cassells Street, Front Street and Airport Road. O'Brien Street does not have proper surface drainage (only a small portion has ditches) or proper road base drainage (no ditches or sub-drain to drain the road base aggregates). Drainage improvement will result in a pavement structure with a longer life.</p> <p>The work will be constructed in several phases. Related Project includes 3606RD/ST.</p>	
Scenario Description		Scenario Comments	
Forecast		Project Detailed 2018	
Budget Year	Total Expense	Total Revenue	Difference
2023	105,000	105,000	0
2025	2,100,000	2,100,000	0
	2,205,000	2,205,000	0
LTD Amount: 0		Total Project Cost: 2,205,000	
Related Projects		Operating Impacts	
Year Identified	Start Date	Useful Life	Manager
2012	Jan 1, 2023	75 Years	Reid Porter
			Completion Date
			Dec 31, 2026

Number:	3609FD	Scenario:	Main
Title:	Fire Facilities - Roof Repairs	Project Stage:	Committee of Council Review
Asset Type:	Asset Improvement and Maintenance (General)	Strategic Plans:	Maintenance
Division:	Capital - Fire Department	Project Type:	
Budget Year:	2018	Active:	Yes

Description				Comments			
An evaluation was completed on all of the fire station roofs to determine the work that is required.				In 2018, the program includes the replacement of the roof at Station 3.			
Scenario Description				Scenario Comments			
Forecast				Project Detailed 2018			
Budget Year		Total Expense	Total Revenue	GL Account		Description	Total Amount
2018		84,000	84,000	Expense			
		84,000	84,000	3305		BUILDING MAINTENANCE	80,000
				4005		INTERNAL INTEREST CHARGES	2,740
				7010		ADMINISTRATON & OVERHEAD	1,260
						Total Expense:	84,000
LTD Amount: 184,500			Total Project Cost: 268,500	Revenue			
				0461		TSF FRM REV FUND-PAYGO	84,000
						Total Revenue:	84,000
Related Projects				Operating Impacts			
Year Identified	Start Date	Useful Life		Manager			Completion Date
2016	Apr 1, 2016	25 Years		Mike Bechard			Oct 31, 2018

Number:	3613ST	Scenario:	Main
Title:	Local Drainage Rehab	Project Stage:	Committee of Council Review
Asset Type:	Asset Improvement and Maintenance (General)	Strategic Plans:	Infrastructure / Sustainability, Maintenance
Division:	Capital - Engineering, Environmental & Works	Project Type:	
Budget Year:	2018	Active:	Yes

Description		Comments		
The project includes the engineering and construction services for localized drainage issues requiring an engineered solution.		Some localized drainage issues cannot be resolved through regular maintenance and operational activities and require an engineered solution.		
Scenario Description		Scenario Comments		
Forecast		Project Detailed 2018		
Budget Year	Total Expense	Total Revenue	Difference	
2019	200,000	200,000	0	
	200,000	200,000	0	
LTD Amount: 74,200		Total Project Cost: 274,200		
Related Projects		Operating Impacts		
Year Identified	Start Date	Useful Life	Manager	Completion Date
2016	Jan 1, 2016	TBD	Adam Lacombe	Dec 31, 2019

Number:	3617SS	Scenario:	Main
Title:	Marshall 500 mm Forcemain Condition Assessment and Rehab	Project Stage:	Committee of Council Review
Asset Type:	Asset Improvement and Maintenance (Water and Wastewater)	Strategic Plans:	Infrastructure / Sustainability
Division:	Capital - Sewer	Project Type:	
Budget Year:	2018	Active:	Yes

Description			Comments	
The project will allow for rehabilitation works as a result of the 2016 condition assessment of the forcemain that identified potential problem areas or failures in the system.			The Marshall Forcemain has been identified as a potential single point failure in the wastewater collection system. This forcemain serves much of the West Ferris area. A failure of this system could result in flooding and back-up of both residential neighborhoods and commercial developments throughout the West Ferris area.	
Scenario Description			Scenario Comments	
Forecast			Project Detailed 2018	
Budget Year	Total Expense	Total Revenue	Difference	
2019	500,000	500,000	0	
	500,000	500,000	0	
LTD Amount: 150,000		Total Project Cost: 650,000		
Related Projects			Operating Impacts	
Year Identified	Start Date	Useful Life	Manager	Completion Date
2016	Jan 1, 2016	50 Years	Domenic Schiavone	Dec 31, 2020

Number:	3618RD	Scenario:	Main
Title:	Wallace Pumping Station Replacement	Project Stage:	Committee of Council Review
Asset Type:	Asset Improvement and Maintenance (General)	Strategic Plans:	Infrastructure / Sustainability
Division:	Capital - Engineering, Environmental & Works	Project Type:	
Budget Year:	2018	Active:	Yes

Description		Comments	
The program will allow for the replacement of the Wallace lift station as well as all of the equipment within.		The station is at the end of its useful life. Related project includes 3618SS.	
Scenario Description		Scenario Comments	
Forecast		Project Detailed 2018	
Budget Year	Total Expense	Total Revenue	Difference
2018	300,000	300,000	0
	300,000	300,000	0
LTD Amount: 0		Total Project Cost: 300,000	
		GL Account	Description
		Total Amount	
		Expense	
		3425	CONSTRUCTION CONTRACT
		4005	INTERNAL INTEREST CHARGES
		7010	ADMINISTRATON & OVERHEAD
		Total Expense: 300,000	
		Revenue	
		0461	TSF FRM REV FUND-PAYGO
		Total Revenue: 300,000	
Related Projects		Operating Impacts	
Year Identified	Start Date	Useful Life	Manager
2016	Jan 1, 2018	25 Years	Gerry McCrank
			Completion Date
			Dec 31, 2019

Number:	3618SS	Scenario:	Main
Title:	Wallace Pumping Station Replacement	Project Stage:	Committee of Council Review
Asset Type:	Asset Improvement and Maintenance (Water and Wastewater)	Strategic Plans:	Infrastructure / Sustainability
Division:	Capital - Sewer	Project Type:	
Budget Year:	2018	Active:	Yes

Description				Comments			
The program will allow for the replacement of the Wallace lift station as well as all of the equipment within.				The station is at the end of its useful life. Related project includes 3618RD.			
Scenario Description				Scenario Comments			
Forecast				Project Detailed 2018			
Budget Year	Total Expense	Total Revenue	Difference	GL Account	Description	Total Amount	
2018	350,000	350,000	0	Expense			
	350,000	350,000	0	3425	CONSTRUCTION CONTRACT	333,333	
				4005	INTERNAL INTEREST CHARGES	11,417	
				7010	ADMINISTRATON & OVERHEAD	5,250	
					Total Expense:	350,000	
LTD Amount: 1,050,000		Total Project Cost: 1,400,000		Revenue			
				0461	TSF FRM REV FUND-PAYGO	350,000	
					Total Revenue:	350,000	
Related Projects				Operating Impacts			
Year Identified	Start Date	Useful Life	Manager			Completion Date	
2016	Jan 1, 2017	75 Years	Gerry McCrank			Dec 31, 2019	

Number:	3619RD	Scenario:	Main
Title:	Cassells St. - Phase 1 - Olive to Duke and Chippewa Creek Bridge	Project Stage:	Committee of Council Review
Asset Type:	Asset Improvement and Maintenance (General)	Strategic Plans:	Infrastructure / Sustainability
Division:	Capital - Engineering, Environmental & Works	Project Type:	
Budget Year:	2018	Active:	Yes

Description	Comments
The project involves the engineering and construction services for the replacement of the sanitary sewer between Olive Street and Duke Street as well as the replacement of the Chippewa Creek bridge.	The City's Capital Program has targeted upgrading the City's arterial roads as a primary objective over the past 10 years. Cassells is one of the remaining arterials in need of upgrades. With a wider roadway, the bridge over Chippewa Creek will need to be replaced with a wider structure. There is an immediate need to replace the sanitary sewer between Olive Street and Duke Street as it has reached the end of its useful life and has seen a number of collapses and repair needs. Related project includes 3619ST/SS/WS.

Scenario Description	Scenario Comments

Forecast			
Budget Year	Total Expense	Total Revenue	Difference
2018	3,400,000	3,400,000	0
	3,400,000	3,400,000	0
<u>LTD Amount:</u> 25,000		<u>Total Project Cost:</u> 3,425,000	

Project Detailed 2018		
GL Account	Description	Total Amount
Expense		
1001	REGULAR SALARIES	85,000
1101	OVERTIME FULLTIME	8,500
1801	FRINGE BENEFITS-FULLTIME	25,500
2099	MISC. MATERIALS	17,000
3099	MISC ADMIN EXPENSES	25,500
3116	CONSTRUCTION SERVICES	17,000
3117	DESIGN FEES	102,000
3130	CONSULTANT FEES	51,000
3425	CONSTRUCTION CONTRACT	2,720,000
3499	MISC CONTRACTS	170,000
4005	INTERNAL INTEREST CHARGES	110,905
4025	DEBENTURE ISSUE COSTS	8,095
7001	VEH & EQUIPMENT USAGE FEE	8,500
7010	ADMINISTRATON & OVERHEAD	51,000
Total Expense:		3,400,000
Revenue		
0461	TSF FRM REV FUND-PAYGO	3,400,000
Total Revenue:		3,400,000

Related Projects			Operating Impacts	
Year Identified	Start Date	Useful Life	Manager	Completion Date
2016	Jan 1, 2016	75 Years	Gerry McCrank	Dec 31, 2019

Number:	3619SS	Scenario:	Main
Title:	Cassells St. - Phase 1 - Olive to Duke and Chippewa Creek Bridge	Project Stage:	Committee of Council Review
Asset Type:	Asset Improvement and Maintenance (Water and Wastewater)	Strategic Plans:	Infrastructure / Sustainability
Division:	Capital - Sewer	Project Type:	
Budget Year:	2018	Active:	Yes

Description				Comments		
The project involves the engineering and construction services for the replacement of the sanitary sewer between Olive Street and Duke Street as well as the replacement of the Chippewa Creek bridge.				The City's Capital Program has targeted upgrading the City's arterial roads as a primary objective over the past 10 years. Cassells is one of the remaining arterials in need of upgrades. With a wider roadway, the bridge over Chippewa Creek will need to be replaced with a wider structure. There is an immediate need to replace the sanitary sewer between Olive Street and Duke Street as it has reached the end of its useful life and has seen a number of collapses and repair needs. Related project includes 3619RD/ST/WS.		
Scenario Description				Scenario Comments		
Forecast				Project Detailed 2018		
Budget Year	Total Expense	Total Revenue	Difference	GL Account	Description	Total Amount
2018	450,000	450,000	0	Expense		
	450,000	450,000	0	1001	REGULAR SALARIES	11,250
				1101	OVERTIME FULLTIME	1,125
				1801	FRINGE BENEFITS-FULLTIME	3,375
				2099	MISC. MATERIALS	2,250
				3099	MISC ADMIN EXPENSES	3,375
				3116	CONSTRUCTION SERVICES	2,250
				3117	DESIGN FEES	13,500
				3130	CONSULTANT FEES	6,750
				3425	CONSTRUCTION CONTRACT	360,000
				3499	MISC CONTRACTS	22,500
				4005	INTERNAL INTEREST CHARGES	14,679
				4025	DEBENTURE ISSUE COSTS	1,071
				7001	VEH & EQUIPMENT USAGE FEE	1,125
				7010	ADMINISTRATON & OVERHEAD	6,750
					Total Expense:	450,000
				Revenue		
				0461	TSF FRM REV FUND-PAYGO	450,000
					Total Revenue:	450,000
Related Projects				Operating Impacts		
Year Identified	Start Date	Useful Life	Manager		Completion Date	
2016	Jan 1, 2016	75 Years	Gerry McCrank		Dec 31, 2019	

Number:	3619ST	Scenario:	Main
Title:	Cassells St. - Phase 1 - Olive to Duke and Chippewa Creek Bridge	Project Stage:	Committee of Council Review
Asset Type:	Asset Improvement and Maintenance (General)	Strategic Plans:	Infrastructure / Sustainability
Division:	Capital - Engineering, Environmental & Works	Project Type:	
Budget Year:	2018	Active:	Yes

Description				Comments		
The project involves the engineering and construction services for the replacement of the sanitary sewer between Olive Street and Duke Street as well as the replacement of the Chippewa Creek bridge.				The City's Capital Program has targeted upgrading the City's arterial roads as a primary objective over the past 10 years. Cassells is one of the remaining arterials in need of upgrades. With a wider roadway, the bridge over Chippewa Creek will need to be replaced with a wider structure. There is an immediate need to replace the sanitary sewer between Olive Street and Duke Street as it has reached the end of its useful life and has seen a number of collapses and repair needs. Related project includes 3619RD/SS/WS.		
Scenario Description				Scenario Comments		
Forecast				Project Detailed 2018		
Budget Year	Total Expense	Total Revenue	Difference	GL Account	Description	Total Amount
2018	600,000	600,000	0	Expense		
	600,000	600,000	0	1001	REGULAR SALARIES	15,000
				1101	OVERTIME FULLTIME	1,500
				1801	FRINGE BENEFITS-FULLTIME	4,500
				2099	MISC. MATERIALS	3,000
				3099	MISC ADMIN EXPENSES	4,500
				3116	CONSTRUCTION SERVICES	3,000
				3117	DESIGN FEES	18,000
				3130	CONSULTANT FEES	9,000
				3425	CONSTRUCTION CONTRACT	480,000
				3499	MISC CONTRACTS	30,000
				4005	INTERNAL INTEREST CHARGES	19,571
				4025	DEBENTURE ISSUE COSTS	1,429
				7001	VEH & EQUIPMENT USAGE FEE	1,500
				7010	ADMINISTRATON & OVERHEAD	9,000
					Total Expense:	600,000
				Revenue		
				0461	TSF FRM REV FUND-PAYGO	600,000
					Total Revenue:	600,000
Related Projects				Operating Impacts		
Year Identified	Start Date	Useful Life	Manager			Completion Date
2016	Jan 1, 2018	75 Years	Gerry McCrank			Dec 31, 2019

Number:	3619WS	Scenario:	Main
Title:	Cassells St. - Phase 1 - Olive to Duke and Chippewa Creek Bridge	Project Stage:	Committee of Council Review
Asset Type:	Asset Improvement and Maintenance (Water and Wastewater)	Strategic Plans:	Infrastructure / Sustainability
Division:	Capital - Water	Project Type:	
Budget Year:	2018	Active:	Yes

Description				Comments		
The project involves the engineering and construction services for the replacement of the sanitary sewer between Olive Street and Duke Street as well as the replacement of the Chippewa Creek bridge.				The City's Capital Program has targeted upgrading the City's arterial roads as a primary objective over the past 10 years. Cassells is one of the remaining arterials in need of upgrades. With a wider roadway, the bridge over Chippewa Creek will need to be replaced with a wider structure. There is an immediate need to replace the sanitary sewer between Olive Street and Duke Street as it has reached the end of its useful life and has seen a number of collapses and repair needs. Related project includes 3619RD/ST/SS.		
Scenario Description				Scenario Comments		
Forecast				Project Detailed 2018		
Budget Year	Total Expense	Total Revenue	Difference	GL Account	Description	Total Amount
2018	550,000	550,000	0	Expense		
	550,000	550,000	0	1001	REGULAR SALARIES	13,750
				1101	OVERTIME FULLTIME	1,375
				1801	FRINGE BENEFITS-FULLTIME	4,125
				2099	MISC. MATERIALS	2,750
				3099	MISC ADMIN EXPENSES	4,125
				3116	CONSTRUCTION SERVICES	2,750
				3117	DESIGN FEES	16,500
				3130	CONSULTANT FEES	8,250
				3425	CONSTRUCTION CONTRACT	440,000
				3499	MISC CONTRACTS	27,500
				4005	INTERNAL INTEREST CHARGES	17,941
				4025	DEBENTURE ISSUE COSTS	1,309
				7001	VEH & EQUIPMENT USAGE FEE	1,375
				7010	ADMINISTRATON & OVERHEAD	8,250
					Total Expense:	550,000
				Revenue		
				0461	TSF FRM REV FUND-PAYGO	550,000
					Total Revenue:	550,000
Related Projects				Operating Impacts		
Year Identified	Start Date	Useful Life	Manager			Completion Date
2016	Jan 1, 2018	75 Years	Gerry McCrank			Dec 31, 2019

Number:	3620WS	Scenario:	Main
Title:	CFB Reservoir Replacement	Project Stage:	Committee of Council Review
Asset Type:	Asset Improvement and Maintenance (Water and Wastewater)	Strategic Plans:	Infrastructure / Sustainability
Division:	Capital - Water	Project Type:	
Budget Year:	2018	Active:	Yes

Description				Comments		
This project provides for the engineering and construction services for the replacement of the CFB reservoir.				The CFB reservoir is critical to ensure the reliable supply of drinking water to Zone 3. The reservoir is in poor condition and due for replacement. The engineering design will look at various options and locations to replace the function of the reservoir.		
Scenario Description				Scenario Comments		
Forecast				Project Detailed 2018		
Budget Year	Total Expense	Total Revenue	Difference	GL Account	Description	Total Amount
2018	100,000	100,000	0	Expense		
2020	3,000,000	3,000,000	0	3117	DESIGN FEES	95,238
	3,100,000	3,100,000	0	4005	INTERNAL INTEREST CHARGES	3,262
				7010	ADMINISTRATON & OVERHEAD	1,500
LTD Amount: 50,000		Total Project Cost: 3,150,000		Total Expense:		100,000
				Revenue		
				0461	TSF FRM REV FUND-PAYGO	100,000
				Total Revenue:		100,000
Related Projects				Operating Impacts		
Year Identified	Start Date	Useful Life		Manager		Completion Date
2016	Jan 1, 2016	TBD		Karin Pratte		Dec 31, 2021

Number:	3700RD	Scenario:	Main
Title:	Seymour St. - Station to Wallace - Widening and Signals	Project Stage:	Committee of Council Review
Asset Type:	Growth (General)	Strategic Plans:	Growth / Economic Development,...
Division:	Capital - Engineering, Environmental & Works	Project Type:	
Budget Year:	2018	Active:	Yes

Description				Comments	
<p>The program includes the engineering and construction services for the widening and reconstruction of Seymour Street from just east of the Ministry of Transportation (MTO) lands designated for the North Bay Expressway to Wallace Road, as well as a new trunk watermain from Wallace Road to Station Road and along Cholette Street from Station Road to Highway 11/17.</p> <p>The road improvements include widening the roadway to three lanes with a center auxiliary left turn lane, a new set of traffic signals at the Commerce Crescent and Venture Crescent intersection and the extension of a sidewalk along the south side of the roadway behind the ditch. Underground works include the installation of new storm sewers.</p>				<p>A contract for engineering services was awarded to an engineering consultant in 2009 which included Environmental Assessment (EA), preliminary evaluation and preliminary design. Road works include the road base aggregates, asphalt, curb, gutter, grass boulevard and concrete sidewalk.</p>	
				<p>As an existing arterial road servicing industrial areas, it is critical that an adequate level of service be maintained. Seymour Street has a deteriorating road surface that will require reconstruction within 5 to 10 years. The widening and traffic signals will address current traffic congestion and safety concerns.</p>	
				<p>An additional contract for engineering services is required for detailed design, agency approvals, contract drawings, specifications, tendering and construction technical assistance.</p>	
				<p>The work will be constructed in one phase subsequent to the completion of the construction and improvement at the intersection of Highway 11/17 and Seymour (3423RD).</p>	
				<p>Related projects include 3700ST/WS and 4500RD/ST/WS.</p>	
Scenario Description				Scenario Comments	
Forecast				Project Detailed 2018	
Budget Year	Total Expense	Total Revenue	Difference		
2025	115,000	115,000	0		
2027	2,300,000	2,300,000	0		
	<u>2,415,000</u>	<u>2,415,000</u>	<u>0</u>		
<u>LTD Amount:</u> 0		<u>Total Project Cost:</u> 2,415,000			
Related Projects				Operating Impacts	
Year Identified	Start Date	Useful Life	Manager		Completion Date
2011	Jan 1, 2025	25 Years	Gerry McCrank		Dec 31, 2028

Number:	3700ST	Scenario:	Main
Title:	Seymour St. - Station to Wallace - Widening and Signals	Project Stage:	Committee of Council Review
Asset Type:	Growth (General)	Strategic Plans:	Growth / Economic Development,...
Division:	Capital - Engineering, Environmental & Works	Project Type:	
Budget Year:	2018	Active:	Yes

Description		Comments		
<p>The program includes the engineering and construction services for the widening and reconstruction of Seymour Street from just east of the Ministry of Transportation (MTO) lands designated for the North Bay Expressway to Wallace Road, as well as a new trunk watermain from Wallace Road to Station Road and along Cholette Street from Station Road to Highway 11/17.</p> <p>The road improvements include widening the roadway to three lanes with a center auxiliary left turn lane, a new set of traffic signals at the Commerce Crescent and Venture Crescent intersection and the extension of a sidewalk along the south side of the roadway behind the ditch. Underground works include the installation of new storm sewers.</p>		<p>A contract for engineering services was awarded to an engineering consultant in 2009 which included Environmental Assessment (EA), preliminary evaluation and preliminary design. Road works include the road base aggregates, asphalt, curb, gutter, grass boulevard and concrete sidewalk.</p> <p>As an existing arterial road servicing industrial areas, it is critical that an adequate level of service be maintained. Seymour Street has a deteriorating road surface that will require reconstruction within 5 to 10 years. The widening and traffic signals will address current traffic congestion and safety concerns.</p> <p>An additional contract for engineering services is required for detailed design, agency approvals, contract drawings, specifications, tendering and construction technical assistance.</p> <p>The work will be constructed in one phase subsequent to the completion of the construction and improvement at the intersection of Highway 11/17 and Seymour (3423RD).</p> <p>Related projects include 3700RD/WS and 4500RD/ST/WS.</p>		
Scenario Description		Scenario Comments		
Forecast		Project Detailed 2018		
Budget Year	Total Expense	Total Revenue	Difference	
2025	25,000	25,000	0	
2027	500,000	500,000	0	
	525,000	525,000	0	
LTD Amount: 0		Total Project Cost: 525,000		
Related Projects		Operating Impacts		
Year Identified	Start Date	Useful Life	Manager	Completion Date
2011	Jan 1, 2025	75 Years	Gerry McCrank	Dec 31, 2028

Number:	3700WS	Scenario:	Main
Title:	Seymour St. - Station to Wallace - Widening and Signals	Project Stage:	Committee of Council Review
Asset Type:	Growth (Water and Wastewater)	Strategic Plans:	Growth / Economic Development,...
Division:	Capital - Water	Project Type:	
Budget Year:	2018	Active:	Yes

Description		Comments		
<p>The program includes the engineering and construction services for the widening and reconstruction of Seymour Street from just east of the Ministry of Transportation (MTO) lands designated for the North Bay Expressway to Wallace Road, as well as a new trunk watermain from Wallace Road to Station Road and along Cholette Street from Station Road to Highway 11/17.</p> <p>The road improvements include widening the roadway to three lanes with a center auxiliary left turn lane, a new set of traffic signals at the Commerce Crescent and Venture Crescent intersection and the extension of a sidewalk along the south side of the roadway behind the ditch. Underground works include the installation of new storm sewers.</p>		<p>A contract for engineering services was awarded to an engineering consultant in 2009 which included Environmental Assessment (EA), preliminary evaluation and preliminary design. Road works include the road base aggregates, asphalt, curb, gutter, grass boulevard and concrete sidewalk.</p> <p>As an existing arterial road servicing industrial areas, it is critical that an adequate level of service be maintained. Seymour Street has a deteriorating road surface that will require reconstruction within 5 to 10 years. The widening and traffic signals will address current traffic congestion and safety concerns.</p> <p>An additional contract for engineering services is required for detailed design, agency approvals, contract drawings, specifications, tendering and construction technical assistance.</p> <p>The work will be constructed in one phase subsequent to the completion of the construction and improvement at the intersection of Highway 11/17 and Seymour (3423RD).</p> <p>Related projects include 3700RD/ST and 4500RD/ST/WS.</p>		
Scenario Description		Scenario Comments		
Forecast		Project Detailed 2018		
Budget Year	Total Expense	Total Revenue	Difference	
2025	50,000	50,000	0	
2027	2,500,000	2,500,000	0	
	2,550,000	2,550,000	0	
LTD Amount: 0		Total Project Cost: 2,550,000		
Related Projects		Operating Impacts		
Year Identified	Start Date	Useful Life	Manager	Completion Date
2011	Jan 1, 2025	75 Years	Gerry McCrank	Dec 31, 2028

Number:	3701RD	Scenario:	Main
Title:	Norman/Chapais Connection Watermain	Project Stage:	Committee of Council Review
Asset Type:	Strategic Investment (General)	Strategic Plans:	Growth / Economic Development,...
Division:	Capital - Engineering, Environmental & Works	Project Type:	
Budget Year:	2018	Active:	Yes

Description		Comments		
The program involves the engineering and construction services for the connection of Norman Avenue to Chapais Street by the construction of an extension to Norman Avenue and the reconstruction of Chapais Street. Engineering services will include an Environmental Assessment (EA), preliminary evaluation and design, detailed design, agency approvals, contract drawings, specifications, tendering and construction technical assistance.		The 2008 Infrastructure Background Study that was prepared in support of the Official Plan update identified that it is desirable to connect the Connaught/Norman area to the Chapais/McKeown area. This transportation link would connect the O'Brien Street and Trout Lake Road arterial.		
Included in these works are extensions to the trunk watermain that are critical to providing redundancy protection for the City's water network. These works will also tie in with future works related to the proposed North Bay Expressway.		In addition, the study identified that future development would require watermain distribution improvements, including a new 600 mm watermain system along Norman Avenue, Chapais Street and Lansdowne Avenue.		
		Related project includes 3701ST/WS.		
Scenario Description		Scenario Comments		
Forecast		Project Detailed 2018		
Budget Year	Total Expense	Total Revenue	Difference	
2023	115,000	115,000	0	
2026	2,300,000	2,300,000	0	
	2,415,000	2,415,000	0	
LTD Amount: 0		Total Project Cost: 2,415,000		
Related Projects		Operating Impacts		
Year Identified	Start Date	Useful Life	Manager	Completion Date
2011	Jan 1, 2023	25 Years	Gerry McCrank	Dec 31, 2027

Number:	3701ST	Scenario:	Main
Title:	Norman/Chapais Connection Watermain	Project Stage:	Committee of Council Review
Asset Type:	Strategic Investment (General)	Strategic Plans:	Growth / Economic Development,...
Division:	Capital - Engineering, Environmental & Works	Project Type:	
Budget Year:	2018	Active:	Yes

Description		Comments		
The program involves the engineering and construction services for the connection of Norman Avenue to Chapais Street by the construction of an extension to Norman Avenue and the reconstruction of Chapais Street. Engineering services will include an Environmental Assessment (EA), preliminary evaluation and design, detailed design, agency approvals, contract drawings, specifications, tendering and construction technical assistance.		The 2008 Infrastructure Background Study that was prepared in support of the Official Plan update identified that it is desirable to connect the Connaught/Norman area to the Chapais/McKeown area. This transportation link would connect the O'Brien Street and Trout Lake Road arterial.		
Included in these works are extensions to the trunk watermain that are critical to providing redundancy protection for the City's water network. These works will also tie in with future works related to the proposed North Bay Expressway.		In addition, the study identified that future development would require watermain distribution improvements, including a new 600 mm watermain system along Norman Avenue, Chapais Street and Lansdowne Avenue.		
		Related project includes 3701RD/WS.		
Scenario Description		Scenario Comments		
Forecast		Project Detailed 2018		
Budget Year	Total Expense	Total Revenue	Difference	
2023	45,000	45,000	0	
2026	900,000	900,000	0	
	945,000	945,000	0	
LTD Amount: 0		Total Project Cost: 945,000		
Related Projects		Operating Impacts		
Year Identified	Start Date	Useful Life	Manager	Completion Date
2011	Jan 1, 2023	75 Years	Gerry McCrank	Dec 31, 2027

Number:	3701WS	Scenario:	Main
Title:	Norman/Chapais Connection Watermain	Project Stage:	Committee of Council Review
Asset Type:	Strategic Investment (Water and Wastewater)	Strategic Plans:	Growth / Economic Development,...
Division:	Capital - Water	Project Type:	
Budget Year:	2018	Active:	Yes

Description		Comments	
<p>The program involves the engineering and construction services for the connection of Norman Avenue to Chapais Street by the construction of an extension to Norman Avenue and the reconstruction of Chapais Street. Engineering services will include an Environmental Assessment (EA), preliminary evaluation and design, detailed design, agency approvals, contract drawings, specifications, tendering and construction technical assistance.</p> <p>Included in these works are extensions to the trunk watermain that are critical to providing redundancy protection for the City's water network. These works will also tie in with future works related to the proposed North Bay Expressway.</p>		<p>The 2008 Infrastructure Background Study that was prepared in support of the Official Plan update identified that it is desirable to connect the Connaught/Norman area to the Chapais/McKeown area. This transportation link would connect the O'Brien Street and Trout Lake Road arterial.</p> <p>In addition, the study identified that future development would require watermain distribution improvements including a new 600 mm watermain system along Norman Avenue, Chapais Street, and Lansdowne Avenue.</p> <p>The work will be constructed in several phases.</p> <p>Related project includes 3701RD/ST.</p>	
Scenario Description		Scenario Comments	
Forecast		Project Detailed 2018	
Budget Year	Total Expense	Total Revenue	Difference
2023	60,000	60,000	0
2026	1,200,000	1,200,000	0
	1,260,000	1,260,000	0
LTD Amount: 0		Total Project Cost: 1,260,000	
Related Projects		Operating Impacts	
Year Identified	Start Date	Useful Life	Manager
2011	Jan 1, 2023	75 Years	Gerry McCrank
			Completion Date
			Dec 31, 2027

Number:	3702PR	Scenario:	Main
Title:	Waterfront Building Rehab and Development	Project Stage:	Committee of Council Review
Asset Type:	Growth (General)	Strategic Plans:	Growth / Economic Development, Maintenance
Division:	Capital - Community Services	Project Type:	
Budget Year:	2018	Active:	Yes

Description		Comments		
The program provides for the rehabilitation and/or development of Waterfront tourist commercial attractions and related facilities.		The Waterfront Tourism Attraction Feasibility Study was presented to Council in June 2014. Council has recommended that the City perform engineering and environmental assessments, (budgeted as part of 6170PR). Based on the outcome of these assessments the budget forecasts may change. The funding projected in 2022 and 2023 is for waterfront vendors and marina facilities in connection to the commercialization of the Waterfront. If the outcome of the assessment is that the City does not move forward as identified in the Waterfront Tourism Attraction Feasibility Study the budgeted funds will be required to rehabilitate the current facilities.		
Scenario Description		Scenario Comments		
Forecast		Project Detailed 2018		
Budget Year	Total Expense	Total Revenue	Difference	
2022	1,000,000	1,000,000	0	
2023	1,000,000	1,000,000	0	
	2,000,000	2,000,000	0	
LTD Amount: 0		Total Project Cost: 2,000,000		
Related Projects		Operating Impacts		
Year Identified	Start Date	Useful Life	Manager	Completion Date
2011	Jan 1, 2022	TBD	John Severino	Dec 31, 2023

Number:	3709WS	Scenario:	Main
Title:	Watermain - Cathodic Protection Program	Project Stage:	Committee of Council Review
Asset Type:	Asset Improvement and Maintenance (Water and Wastewater)	Strategic Plans:	Infrastructure / Sustainability
Division:	Capital - Water	Project Type:	
Budget Year:	2018	Active:	Yes

Description		Comments	
The project provides for a cathodic protection program to protect those city watermain that are being corroded from the outside by adverse soil conditions.		Without this program, the lifecycle of the City's metallic watermain will be drastically reduced. With the program in place, it is expected that the annual number of watermain breaks will decline. A previous project in this program focused on the 500 mm Birchs Road watermain.	
Scenario Description		Scenario Comments	
Forecast		Project Detailed 2018	
Budget Year	Total Expense	Total Revenue	Difference
2018	200,000	200,000	0
2021	200,000	200,000	0
	400,000	400,000	0
LTD Amount: 0		Total Project Cost: 400,000	
		GL Account	Description
		Expense	Total Amount
		3425	CONSTRUCTION CONTRACT
		4005	INTERNAL INTEREST CHARGES
		7010	ADMINISTRATON & OVERHEAD
			Total Expense: 200,000
		Revenue	
		0461	TSF FRM REV FUND-PAYGO
			Total Revenue: 200,000
Related Projects		Operating Impacts	
Year Identified	Start Date	Useful Life	Manager
2013	Jan 1, 2018	10 to 20 Years	Reid Porter
		Completion Date	
		Dec 31, 2021	

Number:	3713RD	Scenario:	Main
Title:	John St. - Second to Worthington	Project Stage:	Committee of Council Review
Asset Type:	Asset Improvement and Maintenance (General)	Strategic Plans:	Infrastructure / Sustainability
Division:	Capital - Engineering, Environmental & Works	Project Type:	
Budget Year:	2018	Active:	Yes

Description			Comments			
<p>The project provides for engineering and construction services to reconstruct two blocks of John Street. Engineering services will include preliminary evaluation and design, detailed design, agency approvals, contract drawings, specifications, tendering and construction technical assistance.</p> <p>Road works include the road base aggregates, asphalt, curb, gutter, grass boulevard and concrete sidewalk. Underground works include a new watermain, sanitary sewer and storm sewer.</p>			<p>During the reconstruction of the John Street bridge over Chippewa Creek, it was identified that the existing underground services were at the end of their useful life. The road surface is also deteriorated and in need of replacement.</p> <p>Related projects include: 3713ST/SS/WS.</p>			
Scenario Description			Scenario Comments			
Forecast			Project Detailed 2018			
Budget Year	Total Expense	Total Revenue	Difference	GL Account	Description	Total Amount
2018	180,600	180,600	0	Expense		
	180,600	180,600	0	3425	CONSTRUCTION CONTRACT	172,000
				4005	INTERNAL INTEREST CHARGES	5,891
				7010	ADMINISTRATON & OVERHEAD	2,709
					Total Expense:	180,600
LTD Amount: 228,000		Total Project Cost: 408,600		Revenue		
				0461	TSF FRM REV FUND-PAYGO	180,600
					Total Revenue:	180,600
Related Projects			Operating Impacts			
Year Identified	Start Date	Useful Life	Manager		Completion Date	
2016	Jan 1, 2017	25 Years	Reid Porter		Dec 31, 2019	

Number:	3714SS	Scenario:	Main
Title:	Wastewater Treatment Plant - TSSA Upgrades	Project Stage:	Committee of Council Review
Asset Type:	Asset Improvement and Maintenance (Water and Wastewater)	Strategic Plans:	Infrastructure / Sustainability
Division:	Capital - Sewer	Project Type:	
Budget Year:	2018	Active:	Yes

Description				Comments			
TSSA completed an inspection of the Wastewater Treatment Facility and has given several orders for required piping, valve and flare replacement.				The City is working with TSSA to complete the repairs.			
Scenario Description				Scenario Comments			
Forecast				Project Detailed 2018			
Budget Year	Total Expense	Total Revenue	Difference	GL Account	Description	Total Amount	
2018	500,000	500,000	0	Expense			
	500,000	500,000	0	3425	CONSTRUCTION CONTRACT	476,190	
				4005	INTERNAL INTEREST CHARGES	16,310	
				7010	ADMINISTRATON & OVERHEAD	7,500	
					Total Expense:	500,000	
LTD Amount: 500,000		Total Project Cost: 1,000,000		Revenue			
				0461	TSF FRM REV FUND-PAYGO	500,000	
					Total Revenue:	500,000	
Related Projects				Operating Impacts			
Year Identified	Start Date	Useful Life	Manager			Completion Date	
2017	Jan 1, 2017	TBD	Karin Pratte			Mar 31, 2019	

Number:	3715RD	Scenario:	Main
Title:	Pinewood Park & Lakeshore Drive Intersection Reconstruction	Project Stage:	Committee of Council Review
Asset Type:	Growth (General)	Strategic Plans:	Growth / Economic Development,...
Division:	Capital - Engineering, Environmental & Works	Project Type:	
Budget Year:	2018	Active:	Yes

Description		Comments	
The project provides for engineering and construction services to reconstruct the intersection of Pinewood Park and Lakeshore Drive. Engineering services will include preliminary evaluation and design, detailed design, agency approvals, contract drawings, specifications, tendering and construction technical assistance.		With the water and sanitary servicing works complete along Pinewood Park, future growth along the corridor will change the traffic patterns and volumes. The current intersection configuration may not support the change in traffic and will need to be reconstructed to a new configuration. Alternatives that will be examined include additional lanes and corresponding changes to the traffic signals and a roundabout.	
Road works include the road base aggregates, asphalt, curb, gutter, and grass boulevard.			
Scenario Description		Scenario Comments	
Forecast		Project Detailed 2018	
Budget Year	Total Expense	Total Revenue	Difference
2018	100,000	100,000	0
2020	1,000,000	1,000,000	0
	1,100,000	1,100,000	0
LTD Amount: 0		Total Project Cost: 1,100,000	
		GL Account	
		Description	
		Total Amount	
		Expense	
		3117	
		DESIGN FEES	
		95,238	
		4005	
		INTERNAL INTEREST CHARGES	
		3,262	
		7010	
		ADMINISTRATON & OVERHEAD	
		1,500	
		Total Expense:	
		100,000	
		Revenue	
		0461	
		TSF FRM REV FUND-PAYGO	
		100,000	
		Total Revenue:	
		100,000	
Related Projects		Operating Impacts	
Year Identified	Start Date	Useful Life	Manager
2017	Jan 1, 2018	25 Years	Reid Porter
		Completion Date	
		Dec 31, 2021	

Number:	3717FD	Scenario:	Main
Title:	SCBA Fire Health Safety Equipment	Project Stage:	Committee of Council Review
Asset Type:	Asset Improvement and Maintenance (General)	Strategic Plans:	Vehicle / Equipment Replacement
Division:	Capital - Fire Department	Project Type:	
Budget Year:	2018	Active:	Yes

Description		Comments	
The project provides for the purchase of SCBA (Self-Contained Breathing Apparatus) equipment. SCBA includes harness, electronic safety and air management system, face-piece and cylinder.		The current SCBA will be at the end of its dependable life in 2018. New NFPA requirements will dictate the cost and options on the units. An operational and cost management analysis was completed, and it was determined that the current inventory could be reduced. The Fire Department requires approximately 84 (formerly 94) masks, 112 (formerly 157) cylinders and 48 (formerly 57) harnesses. The replacements of these units are a Health and Safety requirement.	
Scenario Description		Scenario Comments	
Forecast		Project Detailed 2018	
Budget Year	Total Expense	Total Revenue	Difference
2018	535,500	535,500	0
	535,500	535,500	0
LTD Amount: 0		Total Project Cost: 535,500	
		GL Account	Description
		Total Amount	
		Expense	
		4005	INTERNAL INTEREST CHARGES
		5010	MACHINERY & EQUIPMENT
		7010	ADMINISTRATON & OVERHEAD
		Total Expense: 535,500	
		Revenue	
		0461	TSF FRM REV FUND-PAYGO
		Total Revenue: 535,500	
Related Projects		Operating Impacts	
Year Identified	Start Date	Useful Life	Manager
2014	Jan 1, 2018	15 Years	Jason Whiteley
		Completion Date	
		Dec 31, 2018	

Number:	3718PR	Scenario:	Main
Title:	Trail System Development Program	Project Stage:	Committee of Council Review
Asset Type:	Strategic Investment (General)	Strategic Plans:	Growth / Economic Development, Master Plans
Division:	Capital - Community Services	Project Type:	
Budget Year:	2018	Active:	Yes

Description		Comments		
The program provides for the planning and development of the trail system.		This project provides funding for various trail initiatives and regional linkages as identified in the Trails Strategy and recommended to Council by the City's Trails Committee. Completion of the West Link utilizing Provincial funding. Funding of \$325,000 is provided by the Ontario Municipal Cycling Infrastructure Program (OMCIP).		
Scenario Description		Scenario Comments		
		The following details support the Capital Forecast for 2019: 2019 includes the construction of an active transportation network to link the east link.		
Forecast		Project Detailed 2018		
Budget Year	Total Expense	Total Revenue	Difference	
2019	88,750	88,750	0	
	88,750	88,750	0	
<u>LTD Amount:</u> 761,250		<u>Total Project Cost:</u> 850,000		
Related Projects		Operating Impacts		
Year Identified	Start Date	Useful Life	Manager	Completion Date
2015	Jan 1, 2017	TBD	Robin Cameron/David Schroeder	Dec 31, 2019

Number:	3719SS	Scenario:	Main
Title:	Digester Replacement	Project Stage:	Committee of Council Review
Asset Type:	Asset Improvement and Maintenance (Water and Wastewater)	Strategic Plans:	Infrastructure / Sustainability, Maintenance
Division:	Capital - Sewer	Project Type:	
Budget Year:	2018	Active:	Yes

Description				Comments			
The project provides for the replacement of the Digester #4 at the Wastewater Treatment Plant.							
Scenario Description				Scenario Comments			
Forecast				Project Detailed 2018			
Budget Year	Total Expense	Total Revenue	Difference	GL Account	Description	Total Amount	
2018	200,000	200,000	0	Expense			
2020	3,000,000	3,000,000	0	3117	DESIGN FEES	190,476	
				4005	INTERNAL INTEREST CHARGES	6,524	
				7010	ADMINISTRATON & OVERHEAD	3,000	
	3,200,000	3,200,000	0			Total Expense:	200,000
LTD Amount: 0		Total Project Cost: 3,200,000		Revenue			
				0461	TSF FRM REV FUND-PAYGO	200,000	
						Total Revenue:	200,000
Related Projects				Operating Impacts			
Year Identified	Start Date	Useful Life	Manager			Completion Date	
2017	Jan 1, 2018	5 Years	Karin Pratte			Dec 31, 2020	

Number:	3720RF	Scenario:	Main
Title:	Pete Palangio Parking Lot Rehab	Project Stage:	Committee of Council Review
Asset Type:	Asset Improvement and Maintenance (General)	Strategic Plans:	Infrastructure / Sustainability, Maintenance
Division:	Capital - Community Services	Project Type:	
Budget Year:	2018	Active:	Yes

Description				Comments			
The project is to provide drainage, grading and new asphalt for Pete Palangio arena parking lot.				The budget in 2018 will include costs associated with engineering and in 2019 the costs will include the rehabilitation of the entire parking lot including asphalt, lot drainage, lighting, general grading and correction of negative grading about the building perimeter.			
Scenario Description				Scenario Comments			
Forecast				Project Detailed 2018			
Budget Year	Total Expense	Total Revenue	Difference	GL Account	Description	Total Amount	
2018	100,000	100,000	0	Expense			
2019	750,000	750,000	0	3117	DESIGN FEES	95,238	
	850,000	850,000	0	4005	INTERNAL INTEREST CHARGES	3,262	
				7010	ADMINISTRATON & OVERHEAD	1,500	
LTD Amount: 0		Total Project Cost: 850,000				Total Expense:	100,000
				Revenue			
				0461	TSF FRM REV FUND-PAYGO	100,000	
						Total Revenue:	100,000
Related Projects				Operating Impacts			
Year Identified	Start Date	Useful Life		Manager		Completion Date	
2017	Jan 1, 2018	TBD		David Jackowski		Dec 31, 2019	

Number:	3721RF	Scenario:	Main
Title:	Pete Palangio Foundation Rehab	Project Stage:	Committee of Council Review
Asset Type:	Asset Improvement and Maintenance (General)	Strategic Plans:	Infrastructure / Sustainability, Maintenance
Division:	Capital - Community Services	Project Type:	
Budget Year:	2018	Active:	Yes

Description		Comments		
The project is to correct the root cause of building foundation differential settlement and to repair foundation wall deterioration as identified in condition assessment.		The project includes geotechnical services to provide recommendations and design and the completion of required repairs to the foundation.		
Scenario Description		Scenario Comments		
Forecast		Project Detailed 2018		
Budget Year	Total Expense	Total Revenue	Difference	
2023	650,000	650,000	0	
	650,000	650,000	0	
LTD Amount: 0		Total Project Cost: 650,000		
Related Projects		Operating Impacts		
Year Identified	Start Date	Useful Life	Manager	Completion Date
2017	Jan 1, 2023	TBD	David Jackowski	Dec 31, 2023

Number:	3800RD	Scenario:	Main
Title:	Cassells St. - Phase 2 - Olive to Highway 11/17 & King to Duke	Project Stage:	Committee of Council Review
Asset Type:	Asset Improvement and Maintenance (General)	Strategic Plans:	Infrastructure / Sustainability
Division:	Capital - Engineering, Environmental & Works	Project Type:	
Budget Year:	2018	Active:	Yes

Description		Comments	
<p>The project involves the engineering and construction services for the complete reconstruction of the above-ground and underground infrastructure and to widen Cassells Street between King Street and Duke Street, as well as between Olive Street and Highway 11/17. The section between Olive and Duke will be completed under Phase 1, and will include replacement of the Chippewa Creek bridge.</p> <p>Engineering services will include preliminary evaluation and design, detailed design, agency approvals, contract drawings, specifications, tendering and construction technical assistance was completed in Phase 1.</p> <p>The improvements will include widening sections to 4 and 5 lanes with the road works to include the road base aggregates, asphalt, curb, gutter, grass boulevard and concrete sidewalk. Underground works will include the installation of storm sewers.</p>		<p>These sections of Cassells Street were originally constructed to a collector standard and in general are a two lane roadway with some on-street parking and some left turn lanes at intersections, as well as a four lane roadway closer to the Highway 11/17.</p> <p>The City's Capital Program has targeted upgrading of the City's arterial roads as a primary objective over the past 10 years and this would continue with those improvements. Cassells Street is a primary arterial route between Highway 11/17 and the downtown core. Cassells Street has already been upgraded to a 4 lane standard between the downtown core and just east of the King Street intersection.</p> <p>The project is the remaining section of Cassells Street that has not been reconstructed and the level of service improvement on the arterial is desirable.</p> <p>Related projects include: 3619RD/ST/SS/WS and 3800ST/SS/WS.</p>	
Scenario Description		Scenario Comments	
Forecast		Project Detailed 2018	
Budget Year	Total Expense	Total Revenue	Difference
2019	30,000	30,000	0
2020	2,600,000	2,600,000	0
	2,630,000	2,630,000	0
LTD Amount: 0		Total Project Cost: 2,630,000	
Related Projects		Operating Impacts	
Year Identified	Start Date	Useful Life	Manager
2011	Jan 1, 2019	25 Years	Gerry McCrank
			Completion Date
			Dec 31, 2021

Number:	3800SS	Scenario:	Main
Title:	Cassells St. - Phase 2 - Olive to Highway 11/17 & King to Duke	Project Stage:	Committee of Council Review
Asset Type:	Asset Improvement and Maintenance (Water and Wastewater)	Strategic Plans:	Infrastructure / Sustainability
Division:	Capital - Sewer	Project Type:	
Budget Year:	2018	Active:	Yes

Description				Comments	
<p>The project involves the engineering and construction services for the complete reconstruction of the above-ground and underground infrastructure and to widen Cassells Street between King Street and Duke Street, as well as between Olive Street and Highway 11/17. The section between Olive and Duke will be completed under Phase 1, and will include replacement of the Chippewa Creek bridge.</p> <p>Engineering services will include preliminary evaluation and design, detailed design, agency approvals, contract drawings, specifications, tendering and construction technical assistance was completed in Phase 1.</p> <p>The improvements will include widening sections to 4 and 5 lanes with the road works to include the road base aggregates, asphalt, curb, gutter, grass boulevard and concrete sidewalk. Underground works will include the installation of storm sewers.</p>				<p>These sections of Cassells Street were originally constructed to a collector standard and in general are a two lane roadway with some on-street parking and some left turn lanes at intersections, as well as a four lane roadway closer to Highway 11/17.</p> <p>The City's Capital Program has targeted upgrading of the City's arterial roads as a primary objective over the past 10 years and this would continue with those improvements. Cassells Street is a primary arterial route between Highway 11/17 and the downtown core. Cassells Street has already been upgraded to a 4 lane standard between the downtown core and just east of the King Street intersection.</p> <p>The project is the remaining section of Cassells Street that has not been reconstructed and the level of service improvement on the arterial is desirable.</p> <p>Related projects include: 3619RD/ST/SS/WS and 3800RD/ST/WS.</p>	
Scenario Description				Scenario Comments	
Forecast				Project Detailed 2018	
Budget Year	Total Expense	Total Revenue	Difference		
2019	5,000	5,000	0		
2020	400,000	400,000	0		
	405,000	405,000	0		
LTD Amount: 0		Total Project Cost: 405,000			
Related Projects				Operating Impacts	
Year Identified	Start Date	Useful Life	Manager		Completion Date
2011	Jan 1, 2019	75 Years	Gerry McCrank		Dec 31, 2021

Number:	3800ST	Scenario:	Main
Title:	Cassells St. - Phase 2 - Olive to Highway 11/17 & King to Duke	Project Stage:	Committee of Council Review
Asset Type:	Asset Improvement and Maintenance (General)	Strategic Plans:	Infrastructure / Sustainability
Division:	Capital - Engineering, Environmental & Works	Project Type:	
Budget Year:	2018	Active:	Yes

Description				Comments	
<p>The project involves the engineering and construction services for the complete reconstruction of the above-ground and underground infrastructure and to widen Cassells Street between King Street and Duke Street, as well as between Olive Street and Highway 11/17. The section between Olive and Duke will be completed under Phase 1, and will include replacement of the Chippewa Creek bridge.</p> <p>Engineering services will include preliminary evaluation and design, detailed design, agency approvals, contract drawings, specifications, tendering and construction technical assistance was completed in Phase 1.</p> <p>The improvements will include widening sections to 4 and 5 lanes with the road works to include the road base aggregates, asphalt, curb, gutter, grass boulevard and concrete sidewalk. Underground works will include the installation of storm sewers.</p>				<p>These sections of Cassells Street were originally constructed to a collector standard and in general are a two lane roadway with some on-street parking and some left turn lanes at intersections, as well as a four lane roadway closer to Highway 11/17.</p> <p>The City's Capital Program has targeted upgrading of the City's arterial roads as a primary objective over the past 10 years and this would continue with those improvements. Cassells Street is a primary arterial route between Highway 11/17 and the downtown core. Cassells Street has already been upgraded to a 4 lane standard between the downtown core and just east of the King Street intersection.</p> <p>The project is the remaining section of Cassells Street that has not been reconstructed and the level of service improvement on the arterial is desirable.</p> <p>Related projects include: 3619RD/ST/SS/WS and 3800RD/SS/WS.</p>	
Scenario Description				Scenario Comments	
Forecast				Project Detailed 2018	
Budget Year	Total Expense	Total Revenue	Difference		
2019	5,000	5,000	0		
2020	200,000	200,000	0		
	205,000	205,000	0		
LTD Amount: 0		Total Project Cost: 205,000			
Related Projects				Operating Impacts	
Year Identified	Start Date	Useful Life	Manager		Completion Date
2011	Jan 1, 2019	75 Years	Gerry McCrank		Dec 31, 2021

Number:	3800WS	Scenario:	Main
Title:	Cassells St. - Phase 2 - Olive to Highway 11/17 & King to Duke	Project Stage:	Committee of Council Review
Asset Type:	Asset Improvement and Maintenance (Water and Wastewater)	Strategic Plans:	Infrastructure / Sustainability
Division:	Capital - Water	Project Type:	
Budget Year:	2018	Active:	Yes

Description				Comments	
<p>The project involves the engineering and construction services for the complete reconstruction of the above-ground and underground infrastructure and to widen Cassells Street between King Street and Duke Street, as well as between Olive Street and Highway 11/17. The section between Olive and Duke will be completed under Phase 1, and will include replacement of the Chippewa Creek bridge.</p> <p>Engineering services will include preliminary evaluation and design, detailed design, agency approvals, contract drawings, specifications, tendering and construction technical assistance was completed in project Phase 1.</p> <p>The improvements will include widening sections to 4 and 5 lanes with the road works to include the road base aggregates, asphalt, curb, gutter, grass boulevard and concrete sidewalk. Underground works will include the installation of storm sewers.</p>				<p>These sections of Cassells Street were originally constructed to a collector standard and in general are a two lane roadway with some on-street parking and some left turn lanes at intersections, as well as a four lane roadway closer to Highway 11/17.</p> <p>The City's Capital Program has targeted upgrading of the City's arterial roads as a primary objective over the past 10 years and this would continue with those improvements. Cassells Street is a primary arterial route between Highway 11/17 and the downtown core. Cassells Street has already been upgraded to a 4 lane standard between the downtown core and just east of the King Street intersection.</p> <p>The project is the remaining section of Cassells Street that has not been reconstructed and the level of service improvement on the arterial is desirable.</p> <p>Related projects include: 3619RD/ST/SS/WS and 3800RD/ST/SS.</p>	
Scenario Description				Scenario Comments	
Forecast				Project Detailed 2018	
Budget Year	Total Expense	Total Revenue	Difference		
2019	10,000	10,000	0		
2020	800,000	800,000	0		
	810,000	810,000	0		
LTD Amount: 0		Total Project Cost: 810,000			
Related Projects				Operating Impacts	
Year Identified	Start Date	Useful Life	Manager		Completion Date
2011	Jan 1, 2019	75 Years	Gerry McCrank		Dec 31, 2021

Number:	3801RD	Scenario:	Main
Title:	McKeown Ave. Widening - Gormanville to Cartier	Project Stage:	Committee of Council Review
Asset Type:	Growth (General)	Strategic Plans:	Growth / Economic Development,...
Division:	Capital - Engineering, Environmental & Works	Project Type:	
Budget Year:	2018	Active:	Yes

Description		Comments		
The program involves the engineering design and construction services for the complete reconstruction of the above-ground infrastructure and storm sewer and to widen McKeown Avenue to four lanes between Gormanville Road and Cartier Street.		McKeown Avenue is designated as an arterial road but a portion is currently not constructed to an arterial standard. In addition, several traffic studies have identified that the recent development on McKeown Avenue will require the widening to accommodate increased traffic.		
Engineering services will include preliminary evaluation and design, detailed design, agency approvals, contract drawings, specifications, tendering and construction technical assistance.		In the early 2000's, an Environmental Assessment was completed on the needs of McKeown Avenue that identified the need to increase the road to 4-lane and 5-lane sections. In a subsequent study in support of the new hospital, the conclusions of the initial study were supported and maintained. Finally, a joint City and developer traffic impact study was completed for approximately ten development properties. This study also confirmed reconstruction needs and time lines for improvements.		
		McKeown Avenue is a primary arterial route between Highway 11, Algonquin Avenue, Airport Road, Gormanville Road, and College Drive. In 2010, McKeown Avenue was upgraded to a 5 lane road between Highway 11, Algonquin Avenue and the Fire Station. This project is for the remaining sections of McKeown Avenue that have not been reconstructed and the level of service improvement on this arterial is desirable. The sanitary sewer and watermain will be reaching a typical end of useful life age and will need to be evaluated for rehab or replacement.		
		Related projects include 3801/ST/SS/WS.		
Scenario Description		Scenario Comments		
Forecast		Project Detailed 2018		
Budget Year	Total Expense	Total Revenue	Difference	
2022	200,000	200,000	0	
2024	4,000,000	4,000,000	0	
	4,200,000	4,200,000	0	
LTD Amount: 0		Total Project Cost: 4,200,000		
Related Projects		Operating Impacts		
Year Identified	Start Date	Useful Life	Manager	Completion Date
2011	Jan 1, 2022	25 Years	Reid Porter	Dec 31, 2025

Number:	3801SS	Scenario:	Main
Title:	McKeown Ave. Widening - Gormanville to Cartier	Project Stage:	Committee of Council Review
Asset Type:	Growth (Water and Wastewater)	Strategic Plans:	Growth / Economic Development,...
Division:	Capital - Sewer	Project Type:	
Budget Year:	2018	Active:	Yes

Description		Comments		
The program involves the engineering design and construction services for the complete reconstruction of the above-ground infrastructure and storm sewer and to widen McKeown Avenue to four lanes between Gormanville Road and Cartier Street.		McKeown Avenue is designated as an arterial road but a portion is currently not constructed to an arterial standard. In addition, several traffic studies have identified that the recent development on McKeown Avenue will require the widening to accommodate increased traffic.		
Engineering services will include preliminary evaluation and design, detailed design, agency approvals, contract drawings, specifications, tendering and construction technical assistance.		In the early 2000's, an Environmental Assessment was completed on the needs of McKeown Avenue that identified the need to increase the road to 4-lane and 5-lane sections. In a subsequent study in support of the new hospital, the conclusions of the initial study were supported and maintained. Finally, a joint City and developer traffic impact study was completed for approximately ten development properties. This study also confirmed reconstruction needs and time lines for improvements.		
		McKeown Avenue is a primary arterial route between Highway 11, Algonquin Avenue, Airport Road, Gormanville Road, and College Drive. In 2010, McKeown Avenue was upgraded to a 5 lane road between Highway 11, Algonquin Avenue and the Fire Station. This project is for the remaining sections of McKeown Avenue that have not been reconstructed and the level of service improvement on this arterial is desirable. The sanitary sewer and watermain will be reaching a typical end of useful life age and will need to be evaluated for rehab or replacement.		
		Related projects include 3801RD/ST/WS.		
Scenario Description		Scenario Comments		
Forecast		Project Detailed 2018		
Budget Year	Total Expense	Total Revenue	Difference	
2022	55,000	55,000	0	
2024	1,100,000	1,100,000	0	
	1,155,000	1,155,000	0	
LTD Amount: 0		Total Project Cost: 1,155,000		
Related Projects		Operating Impacts		
Year Identified	Start Date	Useful Life	Manager	Completion Date
2011	Jan 1, 2022	75 Years	Reid Porter	Dec 31, 2025

Number:	3801ST	Scenario:	Main
Title:	McKeown Ave. Widening - Gormanville to Cartier	Project Stage:	Committee of Council Review
Asset Type:	Growth (General)	Strategic Plans:	Growth / Economic Development,...
Division:	Capital - Engineering, Environmental & Works	Project Type:	
Budget Year:	2018	Active:	Yes

Description		Comments		
The program involves the engineering design and construction services for the complete reconstruction of the above-ground infrastructure and storm sewer and to widen McKeown Avenue to four lanes between Gormanville Road and Cartier Street.		McKeown Avenue is designated as an arterial road but a portion is currently not constructed to an arterial standard. In addition, several traffic studies have identified that the recent development on McKeown Avenue will require the widening to accommodate increased traffic.		
Engineering services will include preliminary evaluation and design, detailed design, agency approvals, contract drawings, specifications, tendering and construction technical assistance.		In the early 2000's, an Environmental Assessment was completed on the needs of McKeown Avenue that identified the need to increase the road to 4-lane and 5-lane sections. In a subsequent study in support of the new hospital, the conclusions of the initial study were supported and maintained. Finally, a joint City and developer traffic impact study was completed for approximately ten development properties. This study also confirmed reconstruction needs and time lines for improvements.		
		McKeown Avenue is a primary arterial route between Highway 11, Algonquin Avenue, Airport Road, Gormanville Road, and College Drive. In 2010, McKeown Avenue was upgraded to a 5 lane road between Highway 11, Algonquin Avenue and the Fire Station. This project is for the remaining sections of McKeown Avenue that have not been reconstructed and the level of service improvement on this arterial is desirable. The sanitary sewer and watermain will be reaching a typical end of useful life age and will need to be evaluated for rehab or replacement.		
		Related projects include 3801RD/SS/WS.		
Scenario Description		Scenario Comments		
Forecast		Project Detailed 2018		
Budget Year	Total Expense	Total Revenue	Difference	
2022	85,000	85,000	0	
2024	1,700,000	1,700,000	0	
	1,785,000	1,785,000	0	
LTD Amount: 0		Total Project Cost: 1,785,000		
Related Projects		Operating Impacts		
Year Identified	Start Date	Useful Life	Manager	Completion Date
2011	Jan 1, 2022	75 Years	Reid Porter	Dec 31, 2025

Number:	3801WS	Scenario:	Main
Title:	McKeown Ave. Widening - Gormanville to Cartier	Project Stage:	Committee of Council Review
Asset Type:	Growth (Water and Wastewater)	Strategic Plans:	Growth / Economic Development,...
Division:	Capital - Water	Project Type:	
Budget Year:	2018	Active:	Yes

Description				Comments	
<p>The program involves the engineering design and construction services for the complete reconstruction of the above-ground infrastructure and storm sewer and to widen McKeown Avenue to four lanes between Gormanville Road and Cartier Street.</p> <p>Engineering services will include preliminary evaluation and design, detailed design, agency approvals, contract drawings, specifications, tendering and construction technical assistance.</p>				<p>McKeown Avenue is designated as an arterial road but a portion is currently not constructed to an arterial standard. In addition, several traffic studies have identified that the recent development on McKeown Avenue will require the widening to accommodate increased traffic.</p>	
				<p>In the early 2000's, an Environmental Assessment was completed on the needs of McKeown Avenue that identified the need to increase the road to 4-lane and 5-lane sections. In a subsequent study in support of the new hospital, the conclusions of the initial study were supported and maintained. Finally, a joint City and developer traffic impact study was completed for approximately ten development properties. This study also confirmed reconstruction needs and time lines for improvements.</p>	
				<p>McKeown Avenue is a primary arterial route between Highway 11, Algonquin Avenue, Airport Road, Gormanville Road, and College Drive. In 2010, McKeown Avenue was upgraded to a 5 lane road between Highway 11, Algonquin Avenue and the Fire Station. This project is for the remaining sections of McKeown Avenue that have not been reconstructed and the level of service improvement on this arterial is desirable. The sanitary sewer and watermain will be reaching a typical end of useful life age and will need to be evaluated for rehab or replacement.</p>	
				<p>Related projects include 3801RD/ST/SS.</p>	
Scenario Description				Scenario Comments	
Forecast				Project Detailed 2018	
Budget Year	Total Expense	Total Revenue	Difference		
2022	55,000	55,000	0		
2024	1,100,000	1,100,000	0		
	1,155,000	1,155,000	0		
LTD Amount: 0		Total Project Cost: 1,155,000			
Related Projects				Operating Impacts	
Year Identified	Start Date	Useful Life	Manager		Completion Date
2011	Jan 1, 2022	75 Years	Reid Porter		Dec 31, 2025

Number:	3802RD	Scenario:	Main
Title:	Lakeshore Dr. - Trunk Watermain and Sewer - Phase 2 - Gertrude to Marshall	Project Stage:	Committee of Council Review
Asset Type:	Asset Improvement and Maintenance (General)	Strategic Plans:	Growth / Economic Development,...
Division:	Capital - Engineering, Environmental & Works	Project Type:	
Budget Year:	2018	Active:	Yes

Description		Comments		
<div>The program involves the engineering and construction services for upgrading the existing 100 mm watermain to a trunk 400 mm watermain and a relief trunk sewer for the Marshall sanitary pumping station. Road and boulevard surface restoration will also be required for the areas disturbed by the watermain installation.</div>		<div>Watermain service along the entire Lakeshore Drive corridor is severely undersized and a new trunk watermain is required to provide adequate water supply. This work was first identified in 1977 and was targeted for construction at the time of reconstruction needs of the road surface to maximize the value of the road asset.</div>		
		<div>In 2003, efforts for the watermain construction commenced; however, the project was postponed due to funding constraints. In 2004, the road surface deteriorated to a degree that the restoration could not await watermain installation works and the road surface was temporarily restored. It is anticipated that at the time of the deterioration of the temporary road works, another opportunity for the watermain upgrades will be available.</div>		
		<div>The need was more recently confirmed again in the 2008 Infrastructure Background Study that was prepared in support of the Official Plan update. Installation of a trunk watermain from Judge Avenue to Sunset Boulevard will be carried out over three phases - Phase 1 will include Judge Avenue to Gertrude Street, Phase 2 will include Gertrude Street to Marshall Avenue and Phase 3 will include Marshall Avenue to Sunset Blvd.</div>		
		<div>The Marshall sanitary pumping station currently has no outlet in proximity to the station to relieve flow in the event of an emergency at the pumping station or a downstream break on the forcemain. During these emergency situations, sewage flows may back up into upstream buildings. A new relief sewer can be constructed by upsizing the existing trunk sewer that drains to the Judge sanitary pumping station and extending the upstream end to Marshall Avenue.</div>		
		<div>Related projects include; 3500RD/ST/SS/WS for Phase 1; 3802ST/SS/WS for Phase 2, and 4200RD/ST/SS/WS for Phase 3.</div>		
Scenario Description		Scenario Comments		
Forecast		Project Detailed 2018		
Budget Year	Total Expense	Total Revenue	Difference	
2021	225,000	225,000	0	
2023	4,500,000	4,500,000	0	
	4,725,000	4,725,000	0	
LTD Amount: 0		Total Project Cost: 4,725,000		
Related Projects		Operating Impacts		
Year Identified	Start Date	Useful Life	Manager	Completion Date
2011	Jan 1, 2021	25 Years	Reid Porter	Dec 31, 2024

Number:	3802SS	Scenario:	Main
Title:	Lakeshore Dr. - Trunk Watermain and Sewer - Phase 2 - Gertrude to Marshall	Project Stage:	Committee of Council Review
Asset Type:	Asset Improvement and Maintenance (Water and Wastewater)	Strategic Plans:	Growth / Economic Development,...
Division:	Capital - Sewer	Project Type:	
Budget Year:	2018	Active:	Yes

Description				Comments	
<p>The program involves the engineering and construction services for upgrading the existing 100 mm watermain to a trunk 400 mm watermain and a relief trunk sewer for the Marshall sanitary pumping station. Road and boulevard surface restoration will also be required for the areas disturbed by the watermain installation.</p>				<p>Watermain service along the entire Lakeshore Drive corridor is severely undersized and a new trunk watermain is required to provide adequate water supply. This work was first identified in 1977 and was targeted for construction at the time of reconstruction needs of the road surface to maximize the value of the road asset.</p>	
				<p>In 2003, efforts for the watermain construction commenced; however, the project was postponed due to funding constraints. In 2004, the road surface deteriorated to a degree that the restoration could not await watermain installation works and the road surface was temporarily restored. It is anticipated that at the time of the deterioration of the temporary road works, another opportunity for the watermain upgrades will be available.</p>	
				<p>The need was more recently confirmed again in the 2008 Infrastructure Background Study that was prepared in support of the Official Plan update. Installation of a trunk watermain from Judge Avenue to Sunset Boulevard will be carried out over three phases - Phase 1 will include Judge Avenue to Gertrude Street, Phase 2 will include Gertrude Street to Marshall Avenue and Phase 3 will include Marshall Avenue to Sunset Blvd.</p>	
				<p>The Marshall sanitary pumping station currently has no outlet in proximity to the station to relieve flow in the event of an emergency at the pumping station or a downstream break on the forcemain. During these emergency situations, sewage flows may back up into upstream buildings. A new relief sewer can be constructed by upsizing the existing trunk sewer that drains to the Judge sanitary pumping station and extending the upstream end to Marshall Avenue.</p>	
				<p>Related projects include; 3500RD/ST/SS/WS for Phase 1; 3802RD/ST/WS for Phase 2, and 4200RD/ST/SS/WS for Phase 3.</p>	
Scenario Description				Scenario Comments	
Forecast				Project Detailed 2018	
Budget Year	Total Expense	Total Revenue	Difference		
2021	150,000	150,000	0		
2023	3,000,000	3,000,000	0		
	3,150,000	3,150,000	0		
LTD Amount: 0		Total Project Cost: 3,150,000			
Related Projects				Operating Impacts	
Year Identified	Start Date	Useful Life	Manager		Completion Date
2011	Jan 1, 2021	75 Years	Reid Porter		Dec 31, 2024

Number:	3802ST	Scenario:	Main
Title:	Lakeshore Dr. - Trunk Watermain and Sewer - Phase 2 - Gertrude to Marshall	Project Stage:	Committee of Council Review
Asset Type:	Asset Improvement and Maintenance (General)	Strategic Plans:	Growth / Economic Development
Division:	Capital - Engineering, Environmental & Works	Project Type:	
Budget Year:	2018	Active:	Yes

Description				Comments	
<p>The program involves the engineering and construction services for upgrading the existing 100 mm watermain to a trunk 400 mm watermain and a relief trunk sewer for the Marshall sanitary pumping station. Road and boulevard surface restoration will also be required for the areas disturbed by the watermain installation.</p>				<p>Watermain service along the entire Lakeshore Drive corridor is severely undersized and a new trunk watermain is required to provide adequate water supply. This work was first identified in 1977 and was targeted for construction at the time of reconstruction needs of the road surface to maximize the value of the road asset.</p>	
				<p>In 2003, efforts for the watermain construction commenced; however, the project was postponed due to funding constraints. In 2004, the road surface deteriorated to a degree that the restoration could not await watermain installation works and the road surface was temporarily restored. It is anticipated that at the time of the deterioration of the temporary road works, another opportunity for the watermain upgrades will be available.</p>	
				<p>The need was more recently confirmed again in the 2008 Infrastructure Background Study that was prepared in support of the Official Plan update. Installation of a trunk watermain from Judge Avenue to Sunset Boulevard will be carried out over three phases - Phase 1 will include Judge Avenue to Gertrude Street, Phase 2 will include Gertrude Street to Marshall Avenue and Phase 3 will include Marshall Avenue to Sunset Blvd.</p>	
				<p>The Marshall sanitary pumping station currently has no outlet in proximity to the station to relieve flow in the event of an emergency at the pumping station or a downstream break on the forcemain. During these emergency situations, sewage flows may back up into upstream buildings. A new relief sewer can be constructed by upsizing the existing trunk sewer that drains to the Judge sanitary pumping station and extending the upstream end to Marshall Avenue.</p>	
				<p>Related projects include; 3500RD/ST/SS/WS for Phase 1; 3802RD/SS/WS for Phase 2, and 4200RD/ST/SS/WS for Phase 3.</p>	
Scenario Description				Scenario Comments	
Forecast				Project Detailed 2018	
Budget Year	Total Expense	Total Revenue	Difference		
2021	55,000	55,000	0		
2023	1,100,000	1,100,000	0		
	1,155,000	1,155,000	0		
LTD Amount: 0		Total Project Cost: 1,155,000			
Related Projects				Operating Impacts	
Year Identified	Start Date	Useful Life	Manager		Completion Date
2011	Jan 1, 2021	75 Years	Reid Porter		Dec 31, 2024

Number:	3802WS	Scenario:	Main
Title:	Lakeshore Dr. - Trunk Watermain and Sewer - Phase 2 - Gertrude to Marshall	Project Stage:	Committee of Council Review
Asset Type:	Asset Improvement and Maintenance (Water and Wastewater)	Strategic Plans:	Growth / Economic Development,...
Division:	Capital - Water	Project Type:	
Budget Year:	2018	Active:	Yes

Description		Comments		
The program involves the engineering and construction services for upgrading the existing 100 mm watermain to a trunk 400 mm watermain and a relief trunk sewer for the Marshall sanitary pumping station. Road and boulevard surface restoration will also be required for the areas disturbed by the watermain installation.		<p>Watermain service along the entire Lakeshore Drive corridor is severely undersized and a new trunk watermain is required to provide adequate water supply. This work was first identified in 1977 and was targeted for construction at the time of reconstruction needs of the road surface to maximize the value of the road asset.</p> <p>In 2003, efforts for the watermain construction commenced; however, the project was postponed due to funding constraints. In 2004, the road surface deteriorated to a degree that the restoration could not await watermain installation works and the road surface was temporarily restored. It is anticipated that at the time of the deterioration of the temporary road works, another opportunity for the watermain upgrades will be available.</p> <p>The need was more recently confirmed again in the 2008 Infrastructure Background Study that was prepared in support of the Official Plan update. Installation of a trunk watermain from Judge Avenue to Sunset Boulevard will be carried out over three phases - Phase 1 will include Judge Avenue to Gertrude Street, Phase 2 will include Gertrude Street to Marshall Avenue and Phase 3 will include Marshall Avenue to Sunset Blvd.</p> <p>The Marshall sanitary pumping station currently has no outlet in proximity to the station to relieve flow in the event of an emergency at the pumping station or a downstream break on the forcemain. During these emergency situations, sewage flows may back up into upstream buildings. A new relief sewer can be constructed by upsizing the existing trunk sewer that drains to the Judge sanitary pumping station and extending the upstream end to Marshall Avenue.</p> <p>Related projects include; 3500RD/ST/SS/WS for Phase 1; 3802RD/ST/SS for Phase 2, and 4200RD/ST/SS/WS for Phase 3.</p>		
Scenario Description		Scenario Comments		
Forecast		Project Detailed 2018		
Budget Year	Total Expense	Total Revenue	Difference	
2021	85,000	85,000	0	
2023	1,700,000	1,700,000	0	
	1,785,000	1,785,000	0	
LTD Amount: 0		Total Project Cost: 1,785,000		
Related Projects		Operating Impacts		
Year Identified	Start Date	Useful Life	Manager	Completion Date
2011	Jan 1, 2021	75 Years	Reid Porter	Dec 31, 2024

Number:	3804RD	Scenario:	Main
Title:	Public Works Backup Generator Replacement	Project Stage:	Committee of Council Review
Asset Type:	Asset Improvement and Maintenance (General)	Strategic Plans:	Vehicle / Equipment Replacement
Division:	Capital - Engineering, Environmental & Works	Project Type:	
Budget Year:	2018	Active:	Yes

Description		Comments	
The project will allow for a replacement generator which is essential to power the Public Works facility in the event of a power failure or disaster situation.		The current back-up generator at Public Works is beyond its useful lifecycle and experiencing multiple failures. The fuel pumps at Public Works are also powered by this generator system and are essential to City staff as well as Police, Fire, Ambulance, and North Bay Hydro who also fuel at this location. Related project includes 3804WS.	
Scenario Description		Scenario Comments	
Forecast		Project Detailed 2018	
Budget Year	Total Expense	Total Revenue	Difference
2018	125,000	125,000	0
	125,000	125,000	0
LTD Amount: 0		Total Project Cost: 125,000	
		GL Account	
		Description	
		Total Amount	
		Expense	
		4005 INTERNAL INTEREST CHARGES 4,077	
		5010 MACHINERY & EQUIPMENT 119,048	
		7010 ADMINISTRATON & OVERHEAD 1,875	
		Total Expense: 125,000	
		Revenue	
		0461 TSF FRM REV FUND-PAYGO 125,000	
		Total Revenue: 125,000	
Related Projects		Operating Impacts	
Year Identified	Start Date	Useful Life	Manager
2016	Jan 1, 2018	25 Years	Domenic Schiavone
			Completion Date
			Dec 31, 2018

Number:	3804WS	Scenario:	Main
Title:	Public Works Backup Generator Replacement	Project Stage:	Committee of Council Review
Asset Type:	Asset Improvement and Maintenance (Water and Wastewater)	Strategic Plans:	Vehicle / Equipment Replacement
Division:	Capital - Water	Project Type:	
Budget Year:	2018	Active:	Yes

Description			Comments			
The project will allow for a replacement generator which is essential to power the Public Works facility in the event of a power failure or disaster situation.			The current back-up generator at Public Works is beyond its useful lifecycle and experiencing multiple failures. The fuel pumps at Public Works are also powered by this generator system and are essential to City staff as well as Police, Fire, Ambulance, and North Bay Hydro who also fuel at this location. Related project includes 3804RD.			
Scenario Description			Scenario Comments			
Forecast			Project Detailed 2018			
Budget Year	Total Expense	Total Revenue	Difference	GL Account	Description	Total Amount
2018	125,000	125,000	0	Expense		
	125,000	125,000	0	4005	INTERNAL INTEREST CHARGES	4,077
				5010	MACHINERY & EQUIPMENT	119,048
				7010	ADMINISTRATON & OVERHEAD	1,875
					Total Expense:	125,000
				Revenue		
				0461	TSF FRM REV FUND-PAYGO	125,000
					Total Revenue:	125,000
Related Projects			Operating Impacts			
Year Identified	Start Date	Useful Life	Manager		Completion Date	
2016	Jan 1, 2018	25 Years	Domenic Schiavone		Dec 31, 2018	

Number:	3805GD	Scenario:	Main
Title:	Leachate Management - Future Cells	Project Stage:	Committee of Council Review
Asset Type:	Growth (General)	Strategic Plans:	Infrastructure / Sustainability, Environmental,...
Division:	Capital - Engineering, Environmental & Works	Project Type:	
Budget Year:	2018	Active:	Yes

Description		Comments	
The program provides for the design and construction of landfill cells for the effective leachate management as required by the Merrick Landfill Certificate of Approval. It includes the capping and closing of the preceding landfill cells and lining of future landfill cells as well as the construction and expansion of a leachate collection, pumping and infiltration and control systems.		<p>The project is necessary to manage untreated leachate quantities in compliance with the Landfill's Certificate of Approval and prior to leachate treatment. Cell closing and expansion occurs approximately every 4 years.</p> <p>Funding from the Merrick Landfill Reserves will be an option but must be reviewed annually.</p> <p>Related projects include 3830GD for Methane Gas Collection requirements.</p>	
Scenario Description		Scenario Comments	
Forecast		Project Detailed 2018	
Budget Year	Total Expense	Total Revenue	Difference
2019	250,000	250,000	0
2021	2,000,000	2,000,000	0
2023	250,000	250,000	0
2024	2,200,000	2,200,000	0
	4,700,000	4,700,000	0
LTD Amount: 0		Total Project Cost: 4,700,000	
Related Projects		Operating Impacts	
Year Identified	Start Date	Useful Life	Manager
2013	Jan 1, 2019	25 Years	Karin Pratte
			Completion Date
			Oct 31, 2021

Number:	3806RD	Scenario:	Main
Title:	Lakeshore Dr. - Birchs to Premier	Project Stage:	Committee of Council Review
Asset Type:	Asset Improvement and Maintenance (General)	Strategic Plans:	Infrastructure / Sustainability
Division:	Capital - Engineering, Environmental & Works	Project Type:	
Budget Year:	2018	Active:	Yes

Description				Comments			
<p>The project involves the engineering and construction services for upgrading the existing sanitary sewer and watermain, as well as replacing the Premier Road sanitary pumping station. Road and boulevard surface restoration will also be required for the areas disturbed during construction. Restoration will include the road base aggregates, asphalt, curb, gutters, grass boulevard and concrete sidewalks.</p> <p>Engineering services will include preliminary evaluation and design, detailed design, agency approvals, contract drawings, specifications, tendering and construction technical assistance.</p>				<p>The existing sanitary sewer is undersized resulting in insufficient capacity to receive flows from the sanitary pumping station on Premier Road - this leads to backups and overflows in the system. The recent installation of a trunk sewer on Birchs Road helped alleviate the problem, but did not fully address it.</p> <p>The pumping station is also undersized and nearing the end of its useful life and therefore needs to be replaced - this also leads to backups in the system upstream of the pumping station.</p> <p>The watermain along this section of the roadway is 100 mm, which is undersized for proper fire flow and will need to be upsized.</p> <p>Related projects include 3806SS/WS.</p>			
Scenario Description				Scenario Comments			
Forecast				Project Detailed 2018			
Budget Year	Total Expense	Total Revenue	Difference	GL Account	Description	Total Amount	
2018	100,000	100,000	0	Expense			
2020	2,000,000	2,000,000	0	3117	DESIGN FEES	95,238	
	2,100,000	2,100,000	0	4005	INTERNAL INTEREST CHARGES	3,262	
				7010	ADMINISTRATON & OVERHEAD	1,500	
					Total Expense:	100,000	
				Revenue			
				0461	TSF FRM REV FUND-PAYGO	100,000	
					Total Revenue:	100,000	
Related Projects				Operating Impacts			
Year Identified	Start Date	Useful Life		Manager		Completion Date	
2016	Jan 1, 2018	25 Years		Reid Porter		Dec 31, 2021	

Number:	3806SS	Scenario:	Main
Title:	Lakeshore Dr. - Birchs to Premier	Project Stage:	Committee of Council Review
Asset Type:	Asset Improvement and Maintenance (Water and Wastewater)	Strategic Plans:	Infrastructure / Sustainability
Division:	Capital - Sewer	Project Type:	
Budget Year:	2018	Active:	Yes

Description			Comments					
<p>The project involves the engineering and construction services for upgrading the existing sanitary sewer and watermain, as well as replacing the Premier Road sanitary pumping station. Road and boulevard surface restoration will also be required for the areas disturbed during construction.</p> <p>Engineering services will include preliminary evaluation and design, detailed design, agency approvals, contract drawings, specifications, tendering and construction technical assistance.</p>			<p>The existing sanitary sewer is undersized resulting in insufficient capacity to receive flows from the sanitary pumping station on Premier Road - this leads to backups and overflows in the system. The recent installation of a trunk sewer on Birchs Road helped alleviate the problem, but did not fully address it.</p> <p>The pumping station is also undersized and nearing the end of its useful life and therefore needs to be replaced - this also leads to backups in the system upstream of the pumping station.</p> <p>The watermain along this section of the roadway is 100 mm, which is undersized for proper fire flow and will need to be upsized.</p> <p>Related projects include 3806RD/WS.</p>					
			Scenario Description			Scenario Comments		
			Forecast			Project Detailed 2018		
Budget Year	Total Expense	Total Revenue	Difference	GL Account	Description	Total Amount		
2018	35,000	35,000	0	Expense				
2020	700,000	700,000	0	3117	DESIGN FEES	33,333		
	735,000	735,000	0	4005	INTERNAL INTEREST CHARGES	1,142		
				7010	ADMINISTRATON & OVERHEAD	525		
LTD Amount: 0		Total Project Cost: 735,000		Total Expense: 35,000				
				Revenue				
				0461	TSF FRM REV FUND-PAYGO	35,000		
				Total Revenue: 35,000				
Related Projects			Operating Impacts					
Year Identified	Start Date	Useful Life	Manager		Completion Date			
2016	Jan 1, 2018	75 Years	Reid Porter		Dec 31, 2021			

Number:	3806WS	Scenario:	Main
Title:	Lakeshore Dr. - Birchs to Premier	Project Stage:	Committee of Council Review
Asset Type:	Asset Improvement and Maintenance (Water and Wastewater)	Strategic Plans:	Infrastructure / Sustainability
Division:	Capital - Water	Project Type:	
Budget Year:	2018	Active:	Yes

Description		Comments	
The project involves the engineering and construction services for upgrading the existing sanitary sewer and watermain, as well as replacing the Premier Road sanitary pumping station. Road and boulevard surface restoration will also be required for the areas disturbed during construction. Engineering services will include preliminary evaluation and design, detailed design, agency approvals, contract drawings, specifications, tendering and construction technical assistance.		The existing sanitary sewer is undersized resulting in insufficient capacity to receive flows from the sanitary pumping station on Premier Road - this leads to backups and overflows in the system. The recent installation of a trunk sewer on Birchs Road helped alleviate the problem, but did not fully address it. The pumping station is also undersized and nearing the end of its useful life and therefore needs to be replaced - this also leads to backups in the system upstream of the pumping station. The watermain along this section of the roadway is 100 mm, which is undersized for proper fire flow and will need to be upsized. Related projects include 3806RD/SS.	
Scenario Description		Scenario Comments	
Forecast		Project Detailed 2018	
Budget Year	Total Expense	Total Revenue	Difference
2018	30,000	30,000	0
2020	600,000	600,000	0
	630,000	630,000	0
LTD Amount: 0		Total Project Cost: 630,000	
		GL AccountDescriptionTotal Amount	
		Expense	
		3117DESIGN FEES28,571	
		4005INTERNAL INTEREST CHARGES979	
		7010ADMINISTRATON & OVERHEAD450	
		Total Expense:30,000	
		Revenue	
		0461TSF FRM REV FUND-PAYGO30,000	
		Total Revenue:30,000	
Related Projects		Operating Impacts	
Year Identified	Start Date	Useful Life	Manager
2016	Jan 1, 2018	75 Years	Reid Porter
		Completion Date	
		Dec 31, 2021	

Number:	3807WS	Scenario:	Main
Title:	Ellendale Generator Replacement	Project Stage:	Committee of Council Review
Asset Type:	Asset Improvement and Maintenance (Water and Wastewater)	Strategic Plans:	Infrastructure / Sustainability, Maintenance
Division:	Capital - Water	Project Type:	
Budget Year:	2018	Active:	Yes

Description				Comments			
The generator at Ellendale reservoir is critical to ensure the reliable supply of drinking water to the airport hill area (zones 3, 4, 5). The reliability of the generator and availability of qualified maintenance personnel is limited.				This project provides for the engineering and replacement of the generator and the generator control panel.			
Scenario Description				Scenario Comments			
Forecast				Project Detailed 2018			
Budget Year	Total Expense	Total Revenue	Difference	GL Account	Description	Total Amount	
2018	500,000	500,000	0	Expense			
	500,000	500,000	0	4005	INTERNAL INTEREST CHARGES	16,310	
				5010	MACHINERY & EQUIPMENT	476,190	
				7010	ADMINISTRATON & OVERHEAD	7,500	
					Total Expense:	500,000	
				Revenue			
				0461	TSF FRM REV FUND-PAYGO	500,000	
					Total Revenue:	500,000	
Related Projects				Operating Impacts			
Year Identified	Start Date	Useful Life		Manager		Completion Date	
2016	Jan 1, 2018	TBD		Karin Pratte		Dec 31, 2018	

Number:	3808TR	Scenario:	Main
Title:	Para Bus AVL/Security Camera System	Project Stage:	Committee of Council Review
Asset Type:	Asset Improvement and Maintenance (General)	Strategic Plans:	Vehicle / Equipment Replacement
Division:	Capital - Community Services	Project Type:	
Budget Year:	2018	Active:	Yes

Description		Comments	
The Para Bus Fleet will be equipped with Automated Vehicle Location System and Mobile Digital Surveillance System.		The Para Bus Fleet will be equipped with the same AVL System installed in the Conventional Transit System Fleet. It will provide tracking capabilities for operations and maintenance notification for fleet maintenance. The project also involves the installation of a mobile surveillance system for public safety, incident management and risk reductions. The digital video recording system provides security against litigation and safety for passengers and drivers.	
Scenario Description		Scenario Comments	
Forecast		Project Detailed 2018	
Budget Year	Total Expense	Total Revenue	Difference
2018	100,000	100,000	0
	100,000	100,000	0
LTD Amount: 0		Total Project Cost: 100,000	
		GL Account	Description
		Expense	Total Amount
		4005	INTERNAL INTEREST CHARGES 3,262
		5010	MACHINERY & EQUIPMENT 95,238
		7010	ADMINISTRATON & OVERHEAD 1,500
		Total Expense:	100,000
		Revenue	
		0461	TSF FRM REV FUND-PAYGO 100,000
		Total Revenue:	100,000
Related Projects		Operating Impacts	
Year Identified	Start Date	Useful Life	Manager
2018	Jan 1, 2018	10 Years	Remi Renaud
		Completion Date	
		Dec 31, 2018	

Number:	3809RD	Scenario:	Main
Title:	Hammond St. Bridge Replacement	Project Stage:	Committee of Council Review
Asset Type:	Asset Improvement and Maintenance (General)	Strategic Plans:	Infrastructure / Sustainability
Division:	Capital - Engineering, Environmental & Works	Project Type:	
Budget Year:	2018	Active:	Yes

Description		Comments	
The project involves the removal and replacement of the Hammond Street Bridge. The bridge will be replaced by a box culvert type structure.		The removal of the Hammond Street bridge across Chippewa Creek was the original preferred alternative derived from an Environmental Assessment to look at the various alternatives. Design work completed since then has determined that the costs to remove the existing bridge and create two cul-de-sacs are comparable to the costs to install a new box culvert (culverts on Chippewa Creek at Milani, O'Brien, and High have recently been replaced with box culverts and demonstrated it to be an economical option). A new box culvert on Hammond would also maintain the current ease of snow clearing maintenance compared with two new cul-de-sacs.	
Scenario Description		Scenario Comments	
Forecast		Project Detailed 2018	
Budget Year	Total Expense	Total Revenue	Difference
2019	75,000	75,000	0
2021	600,000	600,000	0
	675,000	675,000	0
LTD Amount: 0		Total Project Cost: 675,000	
Related Projects		Operating Impacts	
Year Identified	Start Date	Useful Life	Manager
2010	Jan 1, 2019	75	Reid Porter
			Completion Date
			Dec 31, 2022

Number:	3810RD	Scenario:	Main
Title:	Main St. - Gormanville to Memorial	Project Stage:	Committee of Council Review
Asset Type:	Growth (General)	Strategic Plans:	Growth / Economic Development,...
Division:	Capital - Engineering, Environmental & Works	Project Type:	
Budget Year:	2018	Active:	Yes

Description		Comments		
<p>The project involves the engineering and construction services to upgrade the sanitary trunk sewer from Gormanville Road to Memorial Drive (an approximate length of 1,500 meters). The sewer alignment will follow Main Street from Gormanville Road to Harriet Street, Harriet Street from Main Street to Nipissing Street and CP Rail lands from Nipissing Street to Memorial Drive.</p> <p>The construction along Main Street will be in the boulevard and will only require road restoration to a small portion of the road. Along Harriet Street, the construction will be down the middle of the road and will require full road restoration.</p>		<p>A contract for engineering services was awarded to an engineering consultant in 2009 and included preliminary design, detailed design, agency approvals, contract drawings, specifications, tendering and construction technical assistance.</p> <p>The 2008 Infrastructure Background Study prepared in support of the Official Plan update identified that the existing trunk sewer will be undersized to support future development including the Cedar Heights area, Canadore College and Nipissing University expansion and Main West commercial development.</p> <p>With the addition of curb and gutter, a storm sewer system will be needed. Also, the condition of the watermain will need to be evaluated for rehab/reconstruction needs.</p> <p>The construction will likely be undertaken under one phase but due to the length, it may be divided into two phases.</p> <p>Related projects include 3810ST/SS/WS.</p>		
		Scenario Comments		
Forecast		Project Detailed 2018		
Budget Year	Total Expense	Total Revenue	Difference	
2022	60,000	60,000	0	
2024	2,300,000	2,300,000	0	
	2,360,000	2,360,000	0	
LTD Amount: 0		Total Project Cost: 2,360,000		
Related Projects		Operating Impacts		
Year Identified	Start Date	Useful Life	Manager	Completion Date
2009	Jan 1, 2022	25 Years	Gerry McCrank	Dec 31, 2025

Number:	3810SS	Scenario:	Main
Title:	Main St. - Gormanville to Memorial	Project Stage:	Committee of Council Review
Asset Type:	Growth (Water and Wastewater)	Strategic Plans:	Growth / Economic Development,...
Division:	Capital - Sewer	Project Type:	
Budget Year:	2018	Active:	Yes

Description				Comments	
<p>The project involves the engineering and construction services to upgrade the sanitary trunk sewer from Gormanville Road to Memorial Drive (an approximate length of 1,500 meters). The sewer alignment will follow Main Street from Gormanville Road to Harriet Street, Harriet Street from Main Street to Nipissing Street and CP Rail lands from Nipissing Street to Memorial Drive.</p> <p>The construction along Main Street will be in the boulevard and will only require road restoration to a small portion of the road. Along Harriet Street, the construction will be down the middle of the road and will require full road restoration.</p>				<p>A contract for engineering services was awarded to an engineering consultant in 2009 and included preliminary design, detailed design, agency approvals, contract drawings, specifications, tendering and construction technical assistance.</p>	
				<p>The 2008 Infrastructure Background Study prepared in support of the Official Plan update identified that the existing trunk sewer will be undersized to support future development including the Cedar Heights area, Canadore College and Nipissing University expansion and Main West commercial development.</p>	
				<p>With the addition of curb and gutter, a storm sewer system will be needed. Also, the condition of the watermain will need to be evaluated for rehab/reconstruction needs.</p>	
				<p>The construction will likely be undertaken under one phase but due to the length, it may be divided into two phases.</p> <p>Related projects include 3810RD/ST/WS.</p>	
Scenario Description				Scenario Comments	
Forecast				Project Detailed 2018	
Budget Year	Total Expense	Total Revenue	Difference		
2022	90,000	90,000	0		
2024	3,500,000	3,500,000	0		
	<u>3,590,000</u>	<u>3,590,000</u>	<u>0</u>		
<u>LTD Amount:</u> 0		<u>Total Project Cost:</u> 3,590,000			
Related Projects				Operating Impacts	
Year Identified	Start Date	Useful Life	Manager		Completion Date
2009	Jan 1, 2022	75 Years	Gerry McCrank		Dec 31, 2025

Number:	3810ST	Scenario:	Main
Title:	Main St. - Gormanville to Memorial	Project Stage:	Committee of Council Review
Asset Type:	Growth (General)	Strategic Plans:	Growth / Economic Development,...
Division:	Capital - Engineering, Environmental & Works	Project Type:	
Budget Year:	2018	Active:	Yes

Description				Comments	
<p>The project involves the engineering and construction services to upgrade the sanitary trunk sewer from Gormanville Road to Memorial Drive (an approximate length of 1,500 meters). The sewer alignment will follow Main Street from Gormanville Road to Harriet Street, Harriet Street from Main Street to Nipissing Street and CP Rail lands from Nipissing Street to Memorial Drive.</p> <p>The construction along Main Street will be in the boulevard and will only require road restoration to a small portion of the road. Along Harriet Street, the construction will be down the middle of the road and will require full road restoration.</p>				<p>A contract for engineering services was awarded to an engineering consultant in 2009 and included preliminary design, detailed design, agency approvals, contract drawings, specifications, tendering and construction technical assistance.</p>	
				<p>The 2008 Infrastructure Background Study prepared in support of the Official Plan update identified that the existing trunk sewer will be undersized to support future development including the Cedar Heights area, Canadore College and Nipissing University expansion and Main West commercial development.</p>	
				<p>With the addition of curb and gutter, a storm sewer system will be needed. Also, the condition of the watermain will need to be evaluated for rehab/reconstruction needs.</p>	
				<p>The construction will likely be undertaken under one phase but due to the length, it may be divided into two phases.</p> <p>Related projects include 3810RD/SS/WS.</p>	
Scenario Description				Scenario Comments	
Forecast				Project Detailed 2018	
Budget Year	Total Expense	Total Revenue	Difference		
2022	15,000	15,000	0		
2024	600,000	600,000	0		
	<u>615,000</u>	<u>615,000</u>	<u>0</u>		
<u>LTD Amount:</u> 0		<u>Total Project Cost:</u> 615,000			
Related Projects				Operating Impacts	
Year Identified	Start Date	Useful Life	Manager		Completion Date
2009	Jan 1, 2022	75 Years	Gerry McCrank		Dec 31, 2025

Number:	3810WS	Scenario:	Main
Title:	Main St. - Gormanville to Memorial	Project Stage:	Committee of Council Review
Asset Type:	Growth (Water and Wastewater)	Strategic Plans:	Growth / Economic Development,...
Division:	Capital - Water	Project Type:	
Budget Year:	2018	Active:	Yes

Description				Comments	
<p>The project involves the engineering and construction services to upgrade the sanitary trunk sewer from Gormanville Road to Memorial Drive (an approximate length of 1,500 meters). The sewer alignment will follow Main Street from Gormanville Road to Harriet Street, Harriet Street from Main Street to Nipissing Street and CP Rail lands from Nipissing Street to Memorial Drive.</p> <p>The construction along Main Street will be in the boulevard and will only require road restoration to a small portion of the road. Along Harriet Street, the construction will be down the middle of the road and will require full road restoration.</p>				<p>A contract for engineering services was awarded to an engineering consultant in 2009 and included preliminary design, detailed design, agency approvals, contract drawings, specifications, tendering and construction technical assistance.</p>	
				<p>The 2008 Infrastructure Background Study prepared in support of the Official Plan update identified that the existing trunk sewer will be undersized to support future development including the Cedar Heights area, Canadore College and Nipissing University expansion and Main West commercial development.</p>	
				<p>With the addition of curb and gutter, a storm sewer system will be needed. Also, the condition of the watermain will need to be evaluated for rehab/reconstruction needs.</p>	
				<p>The construction will likely be undertaken under one phase but due to the length, it may be divided into two phases.</p> <p>Related projects include 3810RD/ST/SS.</p>	
Scenario Description				Scenario Comments	
Forecast				Project Detailed 2018	
Budget Year	Total Expense	Total Revenue	Difference		
2022	25,000	25,000	0		
2024	900,000	900,000	0		
	<u>925,000</u>	<u>925,000</u>	<u>0</u>		
<u>LTD Amount:</u> 0		<u>Total Project Cost:</u> 925,000			
Related Projects				Operating Impacts	
Year Identified	Start Date	Useful Life	Manager		Completion Date
2009	Jan 1, 2022	75 Years	Gerry McCrank		Dec 31, 2025

Number:	3811RD	Scenario:	Main
Title:	Roadside Guardrails and Retaining Walls - Inspection and Upgrade	Project Stage:	Committee of Council Review
Asset Type:	Asset Improvement and Maintenance (General)	Strategic Plans:	Infrastructure / Sustainability, Maintenance
Division:	Capital - Engineering, Environmental & Works	Project Type:	
Budget Year:	2018	Active:	Yes

Description		Comments				
The project involves the engineering and construction services to maintain and rehabilitate retaining wall and guide rail systems across the City. Engineering services will include contract drawings, specifications, tendering and construction technical assistance.		The priority of this project relates to the need to maintain or improve the City's roadside safety infrastructure. An initial inspection of the City's guiderails was completed in 2015 that identified priority repairs and enhancements. The retaining walls inspection is to be completed at a later date. Repair and rehabilitation works will be carried out on an on-going basis.				
Scenario Description		Scenario Comments				
Forecast		Project Detailed 2018				
Budget Year	Total Expense	Total Revenue	Difference	GL Account	Description	Total Amount
2018	75,000	75,000	0	Expense		
2019	750,000	750,000	0	3117	DESIGN FEES	71,429
	825,000	825,000	0	4005	INTERNAL INTEREST CHARGES	2,446
				7010	ADMINISTRATON & OVERHEAD	1,125
LTD Amount: 0		Total Project Cost: 825,000		Total Expense:		75,000
				Revenue		
				0461	TSF FRM REV FUND-PAYGO	75,000
				Total Revenue:		75,000
Related Projects		Operating Impacts				
Year Identified	Start Date	Useful Life	Manager		Completion Date	
2018	Jan 1, 2018	TBD	Gerry McCrank		Dec 31, 2020	

Number:	3812RD	Scenario:	Main
Title:	Lakeshore Dr. (ONR Overpass)	Project Stage:	Committee of Council Review
Asset Type:	Asset Improvement and Maintenance (General)	Strategic Plans:	Infrastructure / Sustainability
Division:	Capital - Engineering, Environmental & Works	Project Type:	
Budget Year:	2018	Active:	Yes

Description				Comments	
The project involves the necessary remedial works to the structure to repair various components of the Lakeshore Drive Overpass (over ONR and CP Rail).				The Lakeshore Drive Overpass is the City's largest bridge structure. Major rehab and reconstruction works were carried out in 2016/2017 including the abutments, abutment seats, piers, pier caps, etc. , as well as replacement of the bridge deck including asphalt, sidewalks, curb and gutter, barrier wall and street lights. Additional rehab works have been identified for the future.	
Scenario Description				Scenario Comments	
				The following details support the capital forecast for 2024 to 2026: 2024 Perform a bridge inspection and assessment 2026 Repairs and rehab based on the assessment performed in 2024	
Forecast				Project Detailed 2018	
Budget Year	Total Expense	Total Revenue	Difference		
2024	25,000	25,000	0		
2026	250,000	250,000	0		
	275,000	275,000	0		
<u>LTD Amount:</u> 0		<u>Total Project Cost:</u> 275,000			
Related Projects				Operating Impacts	
Year Identified	Start Date	Useful Life	Manager		Completion Date
2018	Jan 1, 2024	75 Years	Reid Porter		Sep 30, 2027

Number:	3813RD	Scenario:	Main
Title:	Trout Lake Rd. (ONR Overpass)	Project Stage:	Committee of Council Review
Asset Type:	Asset Improvement and Maintenance (General)	Strategic Plans:	Infrastructure / Sustainability
Division:	Capital - Engineering, Environmental & Works	Project Type:	
Budget Year:	2018	Active:	Yes

Description		Comments	
The project involves the necessary remedial works to repair the Trout Lake Road Overpass over the ONR tracks.		<p>The Trout Lake Road Overpass is the City's second largest bridge structure. Significant rehab works were carried out in 2017 including rehabilitation to the wearing surface, sidewalk, curb, median and barrier walls. Additional rehab works have been identified for the future.</p> <p>Trout Lake Road is classified as an inter-provincial connecting link roadway by the Ministry of Transportation (MTO). Under the MTO's Connecting Link program, the City may be eligible for a grant, which typically represents approximately 90% of the design and construction costs.</p>	
Scenario Description		Scenario Comments	
		<p>The following details support the capital forecast for 2025 to 2027:</p> <p>2025 Perform a bridge inspection and assessment</p> <p>2027 Repairs and rehab based on the assessment performed in 2025</p>	
Forecast		Project Detailed 2018	
Budget Year	Total Expense	Total Revenue	Difference
2025	25,000	25,000	0
2027	250,000	250,000	0
	275,000	275,000	0
LTD Amount: 0		Total Project Cost: 275,000	
Related Projects		Operating Impacts	
Year Identified	Start Date	Useful Life	Manager
2018	Jan 1, 2025	25 Years	Reid Porter
			Completion Date
			Dec 31, 2028

Number:	3814RD	Scenario:	Main
Title:	Lees Road Reconstruction	Project Stage:	Committee of Council Review
Asset Type:	Asset Improvement and Maintenance (General)	Strategic Plans:	Infrastructure / Sustainability
Division:	Capital - Engineering, Environmental & Works	Project Type:	
Budget Year:	2018	Active:	Yes

Description		Comments	
The project involves the engineering and construction services for reconstruction of the road. Engineering services will include preliminary design, detailed design, agency approvals, contract drawings, specifications, tendering, and construction technical assistance.		The road structure is nearing the end of its useful life and will need to be reconstructed.	
Scenario Description		Scenario Comments	
Forecast		Project Detailed 2018	
Budget Year	Total Expense	Total Revenue	Difference
2019	255,000	255,000	0
2027	5,100,000	5,100,000	0
	5,355,000	5,355,000	0
LTD Amount: 0		Total Project Cost: 5,355,000	
Related Projects		Operating Impacts	
Year Identified	Start Date	Useful Life	Manager
2018	Jan 1, 2019	25 Years	Gerry McCrank
			Completion Date
			Dec 31, 2028

Number:	3815RD	Scenario:	Main
Title:	Trout Lake Road Retaining Wall Rehab	Project Stage:	Committee of Council Review
Asset Type:	Asset Improvement and Maintenance (General)	Strategic Plans:	Infrastructure / Sustainability
Division:	Capital - Engineering, Environmental & Works	Project Type:	
Budget Year:	2018	Active:	Yes

Description		Comments		
The project involves the engineering and construction services for the rehab/reconstruction of the retaining wall and storm drainage system. Engineering services will include preliminary design, detailed design, agency approvals, contract drawings, specifications, tendering, and construction technical assistance.		The existing retaining wall located between Lakeheights Road and Lees Road on the north side of Trout Lake Road has significant cracking. A condition assessment was carried out in 2016 which identified that retaining wall was subject to alkali–aggregate reaction - an irreversible condition causing expansion and cracking. The wall will need significant rehabilitation to extend some life in the wall. In addition, the retaining wall drainage system is not performing properly, especially during the spring melt, leading to water pooling on the adjacent roadway. Related project includes 3815ST.		
Scenario Description		Scenario Comments		
Forecast		Project Detailed 2018		
Budget Year	Total Expense	Total Revenue	Difference	
2019	50,000	50,000	0	
2027	1,000,000	1,000,000	0	
	1,050,000	1,050,000	0	
LTD Amount: 0		Total Project Cost: 1,050,000		
Related Projects		Operating Impacts		
Year Identified	Start Date	Useful Life	Manager	Completion Date
2018	Jan 1, 2019	50 Years	Reid Porter	Dec 31, 2028

Number:	3815ST	Scenario:	Main
Title:	Trout Lake Road Retaining Wall Rehab	Project Stage:	Committee of Council Review
Asset Type:	Asset Improvement and Maintenance (General)	Strategic Plans:	Infrastructure / Sustainability
Division:	Capital - Engineering, Environmental & Works	Project Type:	
Budget Year:	2018	Active:	Yes

Description		Comments		
The project involves the engineering and construction services for the rehab/reconstruction of the retaining wall and storm drainage system. Engineering services will include preliminary design, detailed design, agency approvals, contract drawings, specifications, tendering, and construction technical assistance.		The existing retaining wall located between Lakeheights Road and Lees Road on the north side of Trout Lake Road has significant cracking. A condition assessment was carried out in 2016 which identified that retaining wall was subject to alkali–aggregate reaction - an irreversible condition causing expansion and cracking. The wall will need significant rehabilitation to extend some life in the wall. In addition, the retaining wall drainage system is not performing properly, especially during the spring melt, leading to water pooling on the adjacent roadway. Related project includes 3815RD.		
Scenario Description		Scenario Comments		
Forecast		Project Detailed 2018		
Budget Year	Total Expense	Total Revenue	Difference	
2019	15,000	15,000	0	
2027	250,000	250,000	0	
	265,000	265,000	0	
LTD Amount: 0		Total Project Cost: 265,000		
Related Projects		Operating Impacts		
Year Identified	Start Date	Useful Life	Manager	Completion Date
2018	Jan 1, 2019	75 Years	Reid Porter	Dec 31, 2028

Number:	3816ST	Scenario:	Main
Title:	Fifth Avenue Stormwater Review	Project Stage:	Committee of Council Review
Asset Type:	Asset Improvement and Maintenance (General)	Strategic Plans:	Infrastructure / Sustainability
Division:	Capital - Engineering, Environmental & Works	Project Type:	
Budget Year:	2018	Active:	Yes

Description				Comments		
The project involves the engineering evaluation of the storm drainage system on Fifth Avenue between Wyld and Ferguson.				Flooding sometimes occurs with significant rainfalls. The evaluation will look at the capacity of the road drainage system and the downstream storm sewer system to determine appropriate remedial measures.		
Scenario Description				Scenario Comments		
Forecast				Project Detailed 2018		
Budget Year	Total Expense	Total Revenue	Difference	GL Account	Description	Total Amount
2018	50,000	50,000	0	Expense		
2020	500,000	500,000	0	3117	DESIGN FEES	47,619
	550,000	550,000	0	4005	INTERNAL INTEREST CHARGES	1,631
				7010	ADMINISTRATON & OVERHEAD	750
LTD Amount: 0		Total Project Cost: 550,000		Total Expense:		50,000
				Revenue		
				0461	TSF FRM REV FUND-PAYGO	50,000
				Total Revenue:		50,000
Related Projects				Operating Impacts		
Year Identified	Start Date	Useful Life	Manager		Completion Date	
2018	Jan 1, 2018	TBD	Gerry McCrank		Dec 31, 2020	

Number:	3817ST	Scenario:	Main
Title:	Lakeheights Road Stormwater Review	Project Stage:	Committee of Council Review
Asset Type:	Asset Improvement and Maintenance (General)	Strategic Plans:	Infrastructure / Sustainability
Division:	Capital - Engineering, Environmental & Works	Project Type:	
Budget Year:	2018	Active:	Yes

Description		Comments	
The project involves the engineering evaluation of the storm drainage system on Lake Heights Road adjacent to Circle Lake Park.		Flooding sometimes occurs with significant rainfalls. The evaluation will look at the capacity of the road drainage system and the downstream ditch system to determine appropriate remedial measures.	
Scenario Description		Scenario Comments	
Forecast		Project Detailed 2018	
Budget Year	Total Expense	Total Revenue	Difference
2018	50,000	50,000	0
	50,000	50,000	0
LTD Amount: 0		Total Project Cost: 50,000	
		GL Account	Description
		Total Amount	
		Expense	
		3117	DESIGN FEES
		4005	INTERNAL INTEREST CHARGES
		7010	ADMINISTRATON & OVERHEAD
		Total Expense: 50,000	
		Revenue	
		0461	TSF FRM REV FUND-PAYGO
		Total Revenue: 50,000	
Related Projects		Operating Impacts	
Year Identified	Start Date	Useful Life	Manager
2018	Jan 1, 2018	TBD	Gerry McCrank
		Completion Date	
		Dec 31, 2018	

Number:	3818RD	Scenario:	Main
Title:	Premier Pumping Station Replacement	Project Stage:	Committee of Council Review
Asset Type:	Asset Improvement and Maintenance (General)	Strategic Plans:	Infrastructure / Sustainability
Division:	Capital - Engineering, Environmental & Works	Project Type:	
Budget Year:	2018	Active:	Yes

Description	Comments
The program will allow for the replacement of the Premier lift station as well as all of the equipment within.	The station is at the end of its useful life. Related project includes 3818SS.

Scenario Description	Scenario Comments

Forecast			
Budget Year	Total Expense	Total Revenue	Difference
2018	200,000	200,000	0
	200,000	200,000	0
LTD Amount: 0		Total Project Cost: 200,000	

Project Detailed 2018		
GL Account	Description	Total Amount
Expense		
3425	CONSTRUCTION CONTRACT	190,476
4005	INTERNAL INTEREST CHARGES	6,524
7010	ADMINISTRATON & OVERHEAD	3,000
Total Expense:		200,000
Revenue		
0461	TSF FRM REV FUND-PAYGO	200,000
Total Revenue:		200,000

Related Projects			Operating Impacts	
Year Identified	Start Date	Useful Life	Manager	Completion Date
2018	Jan 1, 2018	50 Years	Gerry McCrank	Dec 31, 2018

Number:	3818SS	Scenario:	Main
Title:	Premier Pumping Station Replacement	Project Stage:	Committee of Council Review
Asset Type:	Asset Improvement and Maintenance (Water and Wastewater)	Strategic Plans:	Infrastructure / Sustainability
Division:	Capital - Sewer	Project Type:	
Budget Year:	2018	Active:	Yes

Description	Comments
The program will allow for the replacement of the Premier lift station as well as all of the equipment within.	The station is at the end of its useful life. Related project includes 3818RD.

Scenario Description	Scenario Comments

Forecast			
Budget Year	Total Expense	Total Revenue	Difference
2018	1,600,000	1,600,000	0
	1,600,000	1,600,000	0
<u>LTD Amount:</u> 0		<u>Total Project Cost:</u> 1,600,000	

Project Detailed 2018		
GL Account	Description	Total Amount
Expense		
3425	CONSTRUCTION CONTRACT	1,523,810
4005	INTERNAL INTEREST CHARGES	52,190
7010	ADMINISTRATON & OVERHEAD	24,000
Total Expense:		1,600,000
Revenue		
0461	TSF FRM REV FUND-PAYGO	1,600,000
Total Revenue:		1,600,000

Related Projects			Operating Impacts	
Year Identified	Start Date	Useful Life	Manager	Completion Date
2018	Jan 1, 2018	50 Years	Gerry McCrank	Dec 31, 2018

Number:	3819RD	Scenario:	Main
Title:	Asset Management Plan Update	Project Stage:	Committee of Council Review
Asset Type:	Asset Improvement and Maintenance (General)	Strategic Plans:	Infrastructure / Sustainability, Master Plans
Division:	Capital - Engineering, Environmental & Works	Project Type:	
Budget Year:	2018	Active:	Yes

Description		Comments	
The project provides for an update and further development of the City's Asset Management Plan.		<p>The City began development of Asset Management strategies in 2007 with the preparation of the City's first State of the Infrastructure Report. The report was completed in 2009 for the City's road, sanitary sewer, and water distribution systems. The report was updated in 2012 and added the storm sewer system and water and wastewater plants.</p> <p>In 2014, the City's initial Asset Management Plan was completed, which met the minimum requirements of the Ontario Ministry of Infrastructure's Building Together Guide for Municipal Asset Management Plans. An update of the plan is needed to add the City's other facility assets (arenas, buildings, etc.) and look at levels of service. The update will also include the development or identification of a decision support tool to identify projects objectively similar to the City's pavement management system.</p> <p>Related projects include 3819ST/SS/WS.</p>	
Scenario Description		Scenario Comments	
Forecast		Project Detailed 2018	
Budget Year	Total Expense	Total Revenue	Difference
2018	120,000	120,000	0
	120,000	120,000	0
LTD Amount: 0		Total Project Cost: 120,000	
		GL Account	Description
		Expense	Total Amount
		3130	CONSULTANT FEES 114,286
		4005	INTERNAL INTEREST CHARGES 3,914
		7010	ADMINISTRATON & OVERHEAD 1,800
		Total Expense:	120,000
		Revenue	
		0461	TSF FRM REV FUND-PAYGO 120,000
		Total Revenue:	120,000
Related Projects		Operating Impacts	
Year Identified	Start Date	Useful Life	Manager
2018	Jan 1, 2018	N/A	Adam Lacombe
		Completion Date	
		Dec 31, 2019	

Number:	3819SS	Scenario:	Main
Title:	Asset Management Plan Update	Project Stage:	Committee of Council Review
Asset Type:	Asset Improvement and Maintenance (Water and Wastewater)	Strategic Plans:	Infrastructure / Sustainability, Master Plans
Division:	Capital - Sewer	Project Type:	
Budget Year:	2018	Active:	Yes

Description		Comments	
The project provides for an update and further development of the City's Asset Management Plan.		<p>The City began development of Asset Management strategies in 2007 with the preparation of the City's first State of the Infrastructure Report. The report was completed in 2009 for the City's road, sanitary sewer, and water distribution systems. The report was updated in 2012 and added the storm sewer system and water and wastewater plants.</p> <p>In 2014, the City's initial Asset Management Plan was completed, which met the minimum requirements of the Ontario Ministry of Infrastructure's Building Together Guide for Municipal Asset Management Plans. An update of the plan is needed to add the City's other facility assets (arenas, buildings, etc.) and look at levels of service. The update will also include the development or identification of a decision support tool to identify projects objectively similar to the City's pavement management system.</p> <p>Related projects include 3819RD/ST/WS.</p>	
Scenario Description		Scenario Comments	
Forecast		Project Detailed 2018	
Budget Year	Total Expense	Total Revenue	Difference
2018	55,000	55,000	0
	55,000	55,000	0
LTD Amount: 0		Total Project Cost: 55,000	
		GL Account	Description
		Expense	Total Amount
		3130	CONSULTANT FEES 52,381
		4005	INTERNAL INTEREST CHARGES 1,794
		7010	ADMINISTRATON & OVERHEAD 825
		Total Expense:	55,000
		Revenue	
		0461	TSF FRM REV FUND-PAYGO 55,000
		Total Revenue:	55,000
Related Projects		Operating Impacts	
Year Identified	Start Date	Useful Life	Manager
2018	Jan 1, 2018	N/A	Adam Lacombe
		Completion Date	
		Dec 31, 2019	

Number:	3819ST	Scenario:	Main
Title:	Asset Management Plan Update	Project Stage:	Committee of Council Review
Asset Type:	Asset Improvement and Maintenance (General)	Strategic Plans:	Infrastructure / Sustainability, Master Plans
Division:	Capital - Engineering, Environmental & Works	Project Type:	
Budget Year:	2018	Active:	Yes

Description		Comments	
The project provides for an update and further development of the City's Asset Management Plan.		<p>The City began development of Asset Management strategies in 2007 with the preparation of the City's first State of the Infrastructure Report. The report was completed in 2009 for the City's road, sanitary sewer, and water distribution systems. The report was updated in 2012 and added the storm sewer system and water and wastewater plants.</p> <p>In 2014, the City's initial Asset Management Plan was completed, which met the minimum requirements of the Ontario Ministry of Infrastructure's Building Together Guide for Municipal Asset Management Plans. An update of the plan is needed to add the City's other facility assets (arenas, buildings, etc.) and look at levels of service. The update will also include the development or identification of a decision support tool to identify projects objectively similar to the City's pavement management system.</p> <p>Related projects include 3819RD/SS/WS.</p>	
Scenario Description		Scenario Comments	
Forecast		Project Detailed 2018	
Budget Year	Total Expense	Total Revenue	Difference
2018	25,000	25,000	0
	25,000	25,000	0
LTD Amount: 0		Total Project Cost: 25,000	
		GL Account	Description
		Expense	Total Amount
		3130	CONSULTANT FEES 23,810
		4005	INTERNAL INTEREST CHARGES 815
		7010	ADMINISTRATON & OVERHEAD 375
		Total Expense:	25,000
		Revenue	
		0461	TSF FRM REV FUND-PAYGO 25,000
		Total Revenue:	25,000
Related Projects		Operating Impacts	
Year Identified	Start Date	Useful Life	Manager
2018	Jan 1, 2018	N/A	Adam Lacombe
		Completion Date	
		Dec 31, 2019	

Number:	3819WS	Scenario:	Main
Title:	Asset Management Plan Update	Project Stage:	Committee of Council Review
Asset Type:	Asset Improvement and Maintenance (Water and Wastewater)	Strategic Plans:	Infrastructure / Sustainability, Master Plans
Division:	Capital - Water	Project Type:	
Budget Year:	2018	Active:	Yes

Description		Comments	
The project provides for an update and further development of the City's Asset Management Plan.		<p>The City began development of Asset Management strategies in 2007 with the preparation of the City's first State of the Infrastructure Report. The report was completed in 2009 for the City's road, sanitary sewer, and water distribution systems. The report was updated in 2012 and added the storm sewer system and water and wastewater plants.</p> <p>In 2014, the City's initial Asset Management Plan was completed, which met the minimum requirements of the Ontario Ministry of Infrastructure's Building Together Guide for Municipal Asset Management Plans. An update of the plan is needed to add the City's other facility assets (arenas, buildings, etc.) and look at levels of service. The update will also include the development or identification of a decision support tool to identify projects objectively similar to the City's pavement management system.</p> <p>Related projects include 3819RD/ST/SS.</p>	
Scenario Description		Scenario Comments	
Forecast		Project Detailed 2018	
Budget Year	Total Expense	Total Revenue	Difference
2018	50,000	50,000	0
	50,000	50,000	0
LTD Amount: 0		Total Project Cost: 50,000	
		GL Account	Description
		Expense	Total Amount
		3130	CONSULTANT FEES 47,619
		4005	INTERNAL INTEREST CHARGES 1,631
		7010	ADMINISTRATON & OVERHEAD 750
		Total Expense:	50,000
		Revenue	
		0461	TSF FRM REV FUND-PAYGO 50,000
		Total Revenue:	50,000
Related Projects		Operating Impacts	
Year Identified	Start Date	Useful Life	Manager
2018	Jan 1, 2018	N/A	Adam Lacombe
		Completion Date	
		Dec 31, 2019	

Number:	3820SS	Scenario:	Main
Title:	LaVase Sanitary Re-direction	Project Stage:	Committee of Council Review
Asset Type:	Asset Improvement and Maintenance (Water and Wastewater)	Strategic Plans:	Infrastructure / Sustainability
Division:	Capital - Sewer	Project Type:	
Budget Year:	2018	Active:	Yes

Description		Comments	
This project involves the re-routing of the sanitary sewer mains on LaVase Rd. and Barber St.		Currently sanitary sewers on LaVase and Barber Roads flow southerly to Wickstead Ave. The existing sanitary sewer has had numerous breaks over the years that have resulted in property damage and high costs to repair as the main is extremely deep and undersized for the current flows. This project would involve the relaying the sanitary sewers from Barber St. and LaVase Rd. and changing the direction of flow towards Lakeside Dr. A new sanitary sewer main would flow through the rear of Armstrong Park directly into the Lake Heights pumping station. Re-routing this main allows for much shallower construction and will take demand away from existing infrastructure on Wickstead Ave. There are currently identified deficiencies on this section of sanitary main that City staff must maintain monthly in order to prevent further back-ups.	
Scenario Description		Scenario Comments	
Forecast		Project Detailed 2018	
Budget Year	Total Expense	Total Revenue	Difference
2018	650,000	650,000	0
	650,000	650,000	0
LTD Amount: 0		Total Project Cost: 650,000	
		GL Account	Description
		Total Amount	
		Expense	
		3425	CONSTRUCTION CONTRACT
		4005	INTERNAL INTEREST CHARGES
		7010	ADMINISTRATON & OVERHEAD
		Total Expense: 650,000	
		Revenue	
		0461	TSF FRM REV FUND-PAYGO
		Total Revenue: 650,000	
Related Projects		Operating Impacts	
Year Identified	Start Date	Useful Life	Manager
2018	Jan 1, 2018	TBD	Dominic Schiavone
		Completion Date	
		Dec 31, 2018	

Number:	3821RD	Scenario:	Main
Title:	Public Works Storage Structure	Project Stage:	Committee of Council Review
Asset Type:	Asset Improvement and Maintenance (General)	Strategic Plans:	Growth / Economic Development,...
Division:	Capital - Engineering, Environmental & Works	Project Type:	
Budget Year:	2018	Active:	Yes

Description		Comments		
This project involves the design and construction of a new winter sand dome and equipment storage building to be located at the Public Works yard at 1399 Franklin St.		Currently a single sand dome is located at Public Works and only has capacity to house 12,000 tonnes of material. Annually, the City stockpiles 20,000 tonnes of winter sand and approximately 5000 tonnes of salt for winter control. Sand that does not fit in the existing dome is put in stockpiles outside. This material becomes water logged and which causes equipment failures and breakdowns when used in our sander units. The new structure would be used to house sand as well as equipment that is currently parked outside. The shelter will result in less breakdown and maintenance of equipment and eliminate delays resulting from inclement weather requiring excessive warm-up of vehicles and de-icing.		
Scenario Description		Scenario Comments		
Forecast		Project Detailed 2018		
Budget Year	Total Expense	Total Revenue	Difference	
2019	250,000	250,000	0	
	250,000	250,000	0	
LTD Amount: 0		Total Project Cost: 250,000		
Related Projects		Operating Impacts		
Year Identified	Start Date	Useful Life	Manager	Completion Date
2018	Jan 1, 2019	TBD	Domenic Schiavone	Dec 31, 2019

Number:	3822PK	Scenario:	Main
Title:	Parking Strategy for Downtown Waterfront	Project Stage:	Committee of Council Review
Asset Type:	Strategic Investment (General)	Strategic Plans:	Infrastructure / Sustainability, Master Plans
Division:	Capital - Community Services	Project Type:	
Budget Year:	2018	Active:	Yes

Description		Comments		
The Downtown Waterfront Advisory Committee has recommended that the City update and review the current parking strategy for the Downtown Waterfront.		The parking strategy should be used to guide the timing, location and changes to the parking in the Downtown Waterfront.		
Scenario Description		Scenario Comments		
Forecast		Project Detailed 2018		
Budget Year	Total Expense	Total Revenue	Difference	
2019	52,500	52,500	0	
	52,500	52,500	0	
LTD Amount: 0		Total Project Cost: 52,500		
Related Projects		Operating Impacts		
Year Identified	Start Date	Useful Life	Manager	Completion Date
2018	Jan 1, 2019	TBD	Dave Jackiowski	Dec 31, 2019

Number:	3823FD	Scenario:	Main
Title:	Fire Master Plan	Project Stage:	Committee of Council Review
Asset Type:	Strategic Investment (General)	Strategic Plans:	Master Plans
Division:	Capital - Fire Department	Project Type:	
Budget Year:	2018	Active:	Yes

Description		Comments		
The purpose of this project is to identify the fire protection needs of the community in the short and long term and to balance these needs against the municipal goals and objectives.		The Fire Master Plan will set the direction of Fire and Emergency Services keeping pace with corporate needs and goals.		
Scenario Description		Scenario Comments		
Forecast		Project Detailed 2018		
Budget Year	Total Expense	Total Revenue	Difference	
2022	50,000	50,000	0	
	50,000	50,000	0	
LTD Amount: 0		Total Project Cost: 50,000		
Related Projects		Operating Impacts		
Year Identified	Start Date	Useful Life	Manager	Completion Date
2018	Jan 1, 2022	TBD	Jason Whiteley	Dec 31, 2022

Number:	3824PR	Scenario:	Main
Title:	Splash Pad Infrastructure	Project Stage:	Committee of Council Review
Asset Type:	Strategic Investment (General)	Strategic Plans:	Growth / Economic Development
Division:	Capital - Community Services	Project Type:	
Budget Year:	2018	Active:	Yes

Description		Comments	
To provide subsurface and infrastructure for a community partner constructed splash pad.		<p>A community partner is prepared to proceed with the construction of a splash pad should Council be willing to support the cost to install the subsurface and infrastructure as well as the on-going operational costs. The community partner is ready to proceed with the project in 2018.</p> <p>The City will be responsible for the continued maintenance and operation of the constructed splash pad. Proceeding with this capital project will result in an increase to the City's operating budget.</p>	
Scenario Description		Scenario Comments	
Forecast		Project Detailed 2018	
Budget Year	Total Expense	Total Revenue	Difference
2018	52,500	52,500	0
	52,500	52,500	0
LTD Amount: 0		Total Project Cost: 52,500	
		GL Account	Description
		Expense	Total Amount
		3425	CONSTRUCTION CONTRACT 50,000
		4005	INTERNAL INTEREST CHARGES 1,712
		7010	ADMINISTRATON & OVERHEAD 788
		Total Expense:	52,500
		Revenue	
		0461	TSF FRM REV FUND-PAYGO 52,500
		Total Revenue:	52,500
Related Projects		Operating Impacts	
Year Identified	Start Date	Useful Life	Manager
2018	Jan 1, 2018	TBD	Dave Jackowski
		Completion Date	
		Dec 31, 2018	

Number:	3825SS	Scenario:	Main
Title:	Wastewater Treatment Plant - Intake Chamber Replacement	Project Stage:	Committee of Council Review
Asset Type:	Asset Improvement and Maintenance (Water and Wastewater)	Strategic Plans:	Infrastructure / Sustainability, Maintenance
Division:	Capital - Sewer	Project Type:	
Budget Year:	2018	Active:	Yes

Description		Comments	
This project provides for the rehabilitation / replacement of the Wastewater Treatment Plant intake chamber.		The sewage intake chamber has been identified as being past it's useful life and due for significant rehabilitation or replacement. There is currently only one intake chamber which receives all sewage for the entire City of North Bay. This project will look at the option to create a second intake chamber for redundancy and to increase reliability.	
Scenario Description		Scenario Comments	
Forecast		Project Detailed 2018	
Budget Year	Total Expense	Total Revenue	Difference
2021	150,000	150,000	0
2023	2,800,000	2,800,000	0
	2,950,000	2,950,000	0
LTD Amount: 0		Total Project Cost: 2,950,000	
Related Projects		Operating Impacts	
Year Identified	Start Date	Useful Life	Manager
2018	Jan 1, 2021	80 Years	Karin Pratte
			Completion Date
			Dec 31, 2023

Number:	3826SS	Scenario:	Main
Title:	Pumping Station Replacement	Project Stage:	Committee of Council Review
Asset Type:	Asset Improvement and Maintenance (Water and Wastewater)	Strategic Plans:	Infrastructure / Sustainability
Division:	Capital - Sewer	Project Type:	
Budget Year:	2018	Active:	Yes

Description		Comments	
A condition assessment will be undertaken on all of the pumping stations and the most critical replacements will be prioritized.			
Scenario Description		Scenario Comments	
Forecast		Project Detailed 2018	
Budget Year	Total Expense	Total Revenue	Difference
2021	2,500,000	2,500,000	0
2022	3,500,000	3,500,000	0
2023	2,500,000	2,500,000	0
	8,500,000	8,500,000	0
LTD Amount: 0		Total Project Cost: 8,500,000	
Related Projects		Operating Impacts	
Year Identified	Start Date	Useful Life	Manager
2018	Jan 1, 2021	50 Years	Gerry McCrank
			Completion Date
			Dec 31, 2023

Number:	3827WS	Scenario:	Main
Title:	Lakeshore Drive Watermain Looping and Upsizing - Thelma to Banner	Project Stage:	Committee of Council Review
Asset Type:	Asset Improvement and Maintenance (Water and Wastewater)	Strategic Plans:	Infrastructure / Sustainability, Master Plans
Division:	Capital - Water	Project Type:	
Budget Year:	2018	Active:	Yes

Description		Comments	
This project provides for the removal of existing 100mm watermain and installing 400mm watermain on Lakeshore Drive from Thelma Avenue to Banner Avenue and looping to trunk watermain along Thelma Avenue.		The existing watermain does not support businesses and residential housing in the area and provides inadequate fire flow.	

Scenario Description		Scenario Comments	

Forecast			
Budget Year	Total Expense	Total Revenue	Difference
2018	737,000	737,000	0
	737,000	737,000	0
<u>LTD Amount:</u> 0		<u>Total Project Cost:</u> 737,000	

Project Detailed 2018		
GL Account	Description	Total Amount
Expense		
1001	REGULAR SALARIES	491,335
2020	SEWER/WATER PIPE & PARTS	210,570
4005	INTERNAL INTEREST CHARGES	24,040
7010	ADMINISTRATON & OVERHEAD	11,055
Total Expense:		737,000
Revenue		
0461	TSF FRM REV FUND-PAYGO	737,000
Total Revenue:		737,000

Related Projects		Operating Impacts	

Year Identified	Start Date	Useful Life	Manager	Completion Date
2018	Jan 1, 2018	75 Years	Domenic Schiavone	Dec 31, 2018

Number:	3828WS	Scenario:	Main
Title:	West Ferris Trunk Watermain Relining	Project Stage:	Committee of Council Review
Asset Type:	Asset Improvement and Maintenance (Water and Wastewater)	Strategic Plans:	Infrastructure / Sustainability, Master Plans
Division:	Capital - Water	Project Type:	
Budget Year:	2018	Active:	Yes

Description				Comments			
This project will involve the installation of a structural liner that will reinforce the existing trunk watermain.				This project will involve the 500mm trunk watermain that supplies the majority of the West Ferris Area and has a history of breaks.			
Scenario Description				Scenario Comments			
Forecast				Project Detailed 2018			
Budget Year	Total Expense	Total Revenue	Difference	GL Account	Description	Total Amount	
2018	3,000,000	3,000,000	0	Expense			
	3,000,000	3,000,000	0	1001	REGULAR SALARIES	400,000	
				2020	SEWER/WATER PIPE & PARTS	171,430	
				3425	CONSTRUCTION CONTRACT	2,285,713	
				4005	INTERNAL INTEREST CHARGES	97,857	
				7010	ADMINISTRATON & OVERHEAD	45,000	
					Total Expense:	3,000,000	
				Revenue			
				0461	TSF FRM REV FUND-PAYGO	3,000,000	
					Total Revenue:	3,000,000	
Related Projects				Operating Impacts			
Year Identified	Start Date	Useful Life		Manager		Completion Date	
2018	Jan 1, 2018	75 Years		Domenic Schiavone		Dec 31, 2019	

Number:	3829SS	Scenario:	Main
Title:	Wastewater Treatment Plant - Structural Repair	Project Stage:	Committee of Council Review
Asset Type:	Asset Improvement and Maintenance (Water and Wastewater)	Strategic Plans:	Infrastructure / Sustainability, Maintenance
Division:	Capital - Sewer	Project Type:	
Budget Year:	2018	Active:	Yes

Description		Comments	
<p>The project provides for design and construction related to structural repairs required at the Wastewater Treatment Plant in accordance with recommendations outlined in the 2011 condition assessment.</p> <p>Other structural repairs of buildings, roofs, tunnels and channels are also required.</p>		<p>The Wastewater Treatment Plant has many concrete tanks that are used for process treatment streams. Although most of the tanks are relatively new (constructed in 1983) and their structural integrity generally appears satisfactory, all exposed concrete elements of the tanks show a great deal of cracking in the walls. The tanks' expansion joints are generally in poor condition and overgrown with vegetation in some locations. Joints have spilled and must be repaired before further serious damage and leaking occurs.</p>	
Scenario Description		Scenario Comments	
Forecast		Project Detailed 2018	
Budget Year	Total Expense	Total Revenue	Difference
2020	200,000	200,000	0
2022	900,000	900,000	0
	1,100,000	1,100,000	0
LTD Amount: 0		Total Project Cost: 1,100,000	
Related Projects		Operating Impacts	
Year Identified	Start Date	Useful Life	Manager
2013	Jan 1, 2020	25 Years	Karin Pratte
			Completion Date
			Dec 31, 2022

Number:	3830GD	Scenario:	Main
Title:	Merrick Landfill Gas (LFG) Collection Infrastructure	Project Stage:	Committee of Council Review
Asset Type:	Growth (General)	Strategic Plans:	Environmental
Division:	Capital - Engineering, Environmental & Works	Project Type:	
Budget Year:	2018	Active:	Yes

Description				Comments	
The program involves the construction of LFG collection system in each of the landfill cells as the landfill expands. Collection system includes piping, valves, controls and wells.				Collection of landfill gases is necessary to remain compliant with Merrick Landfill's Certificate of Approval and to efficiently supply landfill gas to Merrick's Gas Utilization System. Expansion is related to the timing of the filling of the working Cell and Landfill Leachate Management Cell expansion. Approximately every 2-3 years. Funding from Merrick Reserves (99515R) will be utilized.	
				Related project includes 3805GD.	
Scenario Description				Scenario Comments	
Forecast				Project Detailed 2018	
Budget Year	Total Expense	Total Revenue	Difference		
2021	225,000	225,000	0		
2022	500,000	500,000	0		
2023	90,000	90,000	0		
2024	500,000	500,000	0		
	1,315,000	1,315,000	0		
LTD Amount: 0		Total Project Cost: 1,315,000			
Related Projects				Operating Impacts	
Year Identified	Start Date	Useful Life	Manager		Completion Date
2014	Jan 1, 2021	20 Years	Karin Pratte		Dec 31, 2024

Number:	3831ST	Scenario:	Main
Title:	Stormwater Outfall Repair and Rehabilitation	Project Stage:	Committee of Council Review
Asset Type:	Asset Improvement and Maintenance (General)	Strategic Plans:	Infrastructure / Sustainability, Maintenance
Division:	Capital - Engineering, Environmental & Works	Project Type:	
Budget Year:	2018	Active:	Yes

Description				Comments	
The project involves the engineering and construction services for corrective measures to various storm sewer outfalls to Lake Nipissing. Engineering services will include condition inspections, contract drawings, specifications, tendering and construction technical assistance. The 2015 part of the project involved inventorying the outfalls and identifying the most critical needs. The following years will involve design and construction of the corrective measures, which will include erosion control treatments, flushing and pipe repairs.				There are a number of storm outlet structures at or nearing the end of their service life with critical deficiencies and risk of failure. The mitigation measures will include both repair works to current deficiencies and proactive works to prevent the further deterioration and failure of the highest risk outlets. The work will be constructed in multiple phases.	
Scenario Description				Scenario Comments	
Forecast				Project Detailed 2018	
Budget Year	Total Expense	Total Revenue	Difference		
2019	50,000	50,000	0		
2020	200,000	200,000	0		
2021	50,000	50,000	0		
2022	200,000	200,000	0		
	500,000	500,000	0		
<u>LTD Amount:</u> 0		<u>Total Project Cost:</u> 500,000			
Related Projects				Operating Impacts	
Year Identified	Start Date	Useful Life	Manager		Completion Date
2011	Jan 1, 2019	50 Years	Gerry McCrank		Dec 31, 2022

Number:	3832GD	Scenario:	Main
Title:	Merrick Landfill - Scale Replacement	Project Stage:	Committee of Council Review
Asset Type:	Asset Improvement and Maintenance (General)	Strategic Plans:	Infrastructure / Sustainability, Maintenance
Division:	Capital - Engineering, Environmental & Works	Project Type:	
Budget Year:	2018	Active:	Yes

Description				Comments			
This project is for the replacement of the weigh scale at the Merrick Landfill Site.				The weigh scale has reached the end of its useful life. If the scale fails there would be no way to calculate accurate tipping fees for commercial customers as well as provide accurate reporting data to the Ministry of the Environment and Climate Change.			
Scenario Description				Scenario Comments			
Forecast				Project Detailed 2018			
Budget Year	Total Expense	Total Revenue	Difference				
2019	750,000	750,000	0				
	750,000	750,000	0				
LTD Amount: 0		Total Project Cost: 750,000					
Related Projects				Operating Impacts			
Year Identified	Start Date	Useful Life		Manager			Completion Date
2018	Jan 1, 2019	20 Years		Karin Pratte			Dec 31, 2019

Number:	3833RD	Scenario:	Main
Title:	Main St. Paving Stone Replacement	Project Stage:	Committee of Council Review
Asset Type:	Asset Improvement and Maintenance (General)	Strategic Plans:	Infrastructure / Sustainability
Division:	Capital - Engineering, Environmental & Works	Project Type:	
Budget Year:	2018	Active:	Yes

Description				Comments			
The program provides for the engineering and construction services for the replacement of the interlocking brick pavement, retaining walls, and streetscaping on Main Street between Cassells Street and Sherbrooke Street.				The interlocking brick pavement was originally installed in 1983 on a 740 meter section of downtown Main Street and was based upon a twenty-year design life with an expected traffic volume of 8,000 vehicles per day including 5% delivery trucks and buses. The interlocking brick has performed very well and has exceeded its intended design life by over 50%.			
Engineering services will include design, contract drawings, specifications, tendering, and construction technical assistance.				Significant deterioration on some portions is now evident and anticipated to get progressively worse in the near future. The Downtown Waterfront Master Plan provided a recommended concept for the streetscaping and materials. The project will be constructed in one phase.			
Related projects include: 3833ST							
Scenario Description				Scenario Comments			
Forecast				Project Detailed 2018			
Budget Year	Total Expense	Total Revenue	Difference	GL Account	Description	Total Amount	
2018	150,000	150,000	0	Expense			
2021	4,500,000	4,500,000	0	3117	DESIGN FEES	142,857	
2022	3,600,000	3,600,000	0	4005	INTERNAL INTEREST CHARGES	4,893	
	8,250,000	8,250,000	0	7010	ADMINISTRATON & OVERHEAD	2,250	
LTD Amount: 0		Total Project Cost: 8,250,000		Total Expense:		150,000	
				Revenue			
				0461	TSF FRM REV FUND-PAYGO	150,000	
				Total Revenue:		150,000	
Related Projects				Operating Impacts			
Year Identified	Start Date	Useful Life	Manager			Completion Date	
2013	Jan 1, 2018	25 Years	Megan Rochefort			Dec 31, 2023	

Number:	3833ST	Scenario:	Main
Title:	Main St. Paving Stone Replacement	Project Stage:	Committee of Council Review
Asset Type:	Asset Improvement and Maintenance (General)	Strategic Plans:	Infrastructure / Sustainability
Division:	Capital - Engineering, Environmental & Works	Project Type:	
Budget Year:	2018	Active:	Yes

Description		Comments		
The program provides for the engineering and construction services for the replacement of the interlocking brick pavement, retaining walls, and streetscaping on Main Street between Cassells Street and Sherbrooke Street. Engineering services will include design, contract drawings, specifications, tendering, and construction technical assistance.		The interlocking brick pavement was originally installed in 1983 on a 740 meter section of downtown Main Street and was based upon a twenty-year design life with an expected traffic volume of 8,000 vehicles per day including 5% delivery trucks and buses. The interlocking brick has performed very well and has exceeded its intended design life by over 50%. Significant deterioration on some portions is now evident and anticipated to get progressively worse in the near future. The Downtown Waterfront Master Plan provided a recommended concept for the streetscaping and materials. The project will be constructed in one phase. Related projects include: 3833RD		
Scenario Description		Scenario Comments		
Forecast		Project Detailed 2018		
Budget Year	Total Expense	Total Revenue	Difference	
2021	400,000	400,000	0	
2022	400,000	400,000	0	
	<u>800,000</u>	<u>800,000</u>	<u>0</u>	
<u>LTD Amount:</u> 0		<u>Total Project Cost:</u> 800,000		
Related Projects		Operating Impacts		
Year Identified	Start Date	Useful Life	Manager	Completion Date
2013	Jan 1, 2018	25 Years	Megan Rochefort	Dec 31, 2023

Number:	3900RD	Scenario:	Main
Title:	Cedar Heights Rd. - Highway 11 to Larocque Urban Upgrade and Watermain	Project Stage:	Committee of Council Review
Asset Type:	Strategic Investment (General)	Strategic Plans:	Growth / Economic Development,...
Division:	Capital - Engineering, Environmental & Works	Project Type:	
Budget Year:	2018	Active:	Yes

Description		Comments		
The project involves the engineering and construction services for the first phase of the looping of Water Zone 2B (Cedar Heights) to Water Zone 3 (Ellendale) as a second feed to both water zones. The project will include reconstruction of Cedar Heights Road from the current rural standard to an urban standard as well as installation of a new sanitary sewer. The services will extend from the existing services at the College Drive/Larocque Road intersection.		The need was identified in the 2008 Infrastructure Background Study that was prepared in support of the Official Plan update. Installation of a trunk watermain to loop Zone 2B and Zone 3 along Cedar Heights Road and Golf Club Road will provide a second feed to both areas and provide a key reinforcement of these systems. Related projects include 3607RD/SS/WS and 3900ST/SS/WS.		
Scenario Description		Scenario Comments		
Forecast		Project Detailed 2018		
Budget Year	Total Expense	Total Revenue	Difference	
2024	205,000	205,000	0	
2026	4,100,000	4,100,000	0	
	4,305,000	4,305,000	0	
LTD Amount: 0		Total Project Cost: 4,305,000		
Related Projects		Operating Impacts		
Year Identified	Start Date	Useful Life	Manager	Completion Date
2011	Jan 1, 2024	25 Years	Reid Porter	Dec 31, 2027

Number:	3900SS	Scenario:	Main
Title:	Cedar Heights Rd. - Highway 11 to Larocque Urban Upgrade and Watermain	Project Stage:	Committee of Council Review
Asset Type:	Strategic Investment (Water and Wastewater)	Strategic Plans:	Growth / Economic Development,...
Division:	Capital - Sewer	Project Type:	
Budget Year:	2018	Active:	Yes

Description		Comments		
The project involves the engineering and construction services for the first phase of the looping of Water Zone 2B (Cedar Heights) to Water Zone 3 (Ellendale) as a second feed to both water zones. The project will include reconstruction of Cedar Heights Road from the current rural standard to an urban standard as well as installation of a new sanitary sewer. The services will extend from the existing services at the College Drive/Larocque Road intersection.		The need was identified in the 2008 Infrastructure Background Study that was prepared in support of the Official Plan update. Installation of a trunk watermain to loop Zone 2B and Zone 3 along Cedar Heights Road and Golf Club Road will provide a second feed to both areas and provide a key reinforcement of these systems. Related projects include 3607RD/SS/WS and 3900RD/ST/WS.		
Scenario Description		Scenario Comments		
Forecast		Project Detailed 2018		
Budget Year	Total Expense	Total Revenue	Difference	
2024	75,000	75,000	0	
2026	1,500,000	1,500,000	0	
	1,575,000	1,575,000	0	
LTD Amount: 0		Total Project Cost: 1,575,000		
Related Projects		Operating Impacts		
Year Identified	Start Date	Useful Life	Manager	Completion Date
2014	Jan 1, 2024	75 Years	Reid Porter	Dec 31, 2027

Number:	3900ST	Scenario:	Main
Title:	Cedar Heights Rd. - Highway 11 to Larocque Urban Upgrade and Watermain	Project Stage:	Committee of Council Review
Asset Type:	Strategic Investment (General)	Strategic Plans:	Growth / Economic Development,...
Division:	Capital - Engineering, Environmental & Works	Project Type:	
Budget Year:	2018	Active:	Yes

Description		Comments		
The project involves the engineering and construction services for the first phase of the looping of Water Zone 2B (Cedar Heights) to Water Zone 3 (Ellendale) as a second feed to both water zones.		The need was identified in the 2008 Infrastructure Background Study that was prepared in support of the Official Plan update. Installation of a trunk watermain to loop Zone 2B and Zone 3 along Cedar Heights Road and Golf Club Road will provide a second feed to both areas and provide a key reinforcement of these systems.		
The project will include reconstruction of Cedar Heights Road from the current rural standard to an urban standard as well as installation of a new sanitary sewer.		Related projects include 3607RD/SS/WS and 3900RD/SS/WS.		
The services will extend from the existing services at the College Drive/Larocque Road intersection.				
Scenario Description		Scenario Comments		
Forecast		Project Detailed 2018		
Budget Year	Total Expense	Total Revenue	Difference	
2024	75,000	75,000	0	
2026	1,500,000	1,500,000	0	
	1,575,000	1,575,000	0	
LTD Amount: 0		Total Project Cost: 1,575,000		
Related Projects		Operating Impacts		
Year Identified	Start Date	Useful Life	Manager	Completion Date
2011	Jan 1, 2024	75 Years	Reid Porter	Dec 31, 2027

Number:	3900WS	Scenario:	Main
Title:	Cedar Heights Rd. - Highway 11 to Larocque Urban Upgrade and Watermain	Project Stage:	Committee of Council Review
Asset Type:	Strategic Investment (Water and Wastewater)	Strategic Plans:	Growth / Economic Development,...
Division:	Capital - Water	Project Type:	
Budget Year:	2018	Active:	Yes

Description		Comments		
The project involves the engineering and construction services for the first phase of the looping of Water Zone 2B (Cedar Heights) to Water Zone 3 (Ellendale) as a second feed to both water zones.		The need was identified in the 2008 Infrastructure Background Study that was prepared in support of the Official Plan update. Installation of a trunk watermain to loop Zone 2B and Zone 3 along Cedar Heights Road and Golf Club Road will provide a second feed to both areas and provide a key reinforcement of these systems.		
The project will include reconstruction of Cedar Heights Road from the current rural standard to an urban standard as well as installation of a new sanitary sewer.		Related projects include 3607RD/SS/WS and 3900RD/ST/SS.		
The services will extend from the existing services at the College Drive/Larocque Road intersection.				
Scenario Description		Scenario Comments		
Forecast		Project Detailed 2018		
Budget Year	Total Expense	Total Revenue	Difference	
2024	120,000	120,000	0	
2026	2,400,000	2,400,000	0	
	2,520,000	2,520,000	0	
LTD Amount: 0		Total Project Cost: 2,520,000		
Related Projects		Operating Impacts		
Year Identified	Start Date	Useful Life	Manager	Completion Date
2014	Jan 1, 2024	75 Years	Reid Porter	Dec 31, 2027

Number:	3901RD	Scenario:	Main
Title:	Clarence St. - Reconstruction - Jane to Norwood	Project Stage:	Committee of Council Review
Asset Type:	Asset Improvement and Maintenance (General)	Strategic Plans:	Infrastructure / Sustainability
Division:	Capital - Engineering, Environmental & Works	Project Type:	
Budget Year:	2018	Active:	Yes

Description				Comments	
The program includes the engineering design and construction services for complete reconstruction of the above-ground and underground infrastructure on Clarence Street from Jane Street to Norwood Avenue.				This area of Clarence Street has underground services that will be reaching their life expectancy in the near future and are in need of repair. In addition, there are increasing traffic pressures that require an overall upgrade. The works will be constructed in one phase. Related projects include 3901ST/SS/WS.	
Scenario Description				Scenario Comments	
Forecast				Project Detailed 2018	
Budget Year	Total Expense	Total Revenue	Difference		
2024	50,000	50,000	0		
2026	1,000,000	1,000,000	0		
	1,050,000	1,050,000	0		
<u>LTD Amount:</u> 0		<u>Total Project Cost:</u> 1,050,000			
Related Projects				Operating Impacts	
Year Identified	Start Date	Useful Life	Manager		Completion Date
2011	Jan 1, 2024	25 Years	Reid Porter		Dec 31, 2027

Number:	3901SS	Scenario:	Main
Title:	Clarence St. - Reconstruction - Jane to Norwood	Project Stage:	Committee of Council Review
Asset Type:	Asset Improvement and Maintenance (Water and Wastewater)	Strategic Plans:	Infrastructure / Sustainability
Division:	Capital - Sewer	Project Type:	
Budget Year:	2018	Active:	Yes

Description				Comments	
The program includes the engineering design and construction services for complete reconstruction of the above-ground and underground infrastructure on Clarence Street from Jane Street to Norwood Avenue.				This area of Clarence Street has underground services that will be reaching their life expectancy in the near future and are in need of repair. In addition, there are increasing traffic pressures that require an overall upgrade. The works will be constructed in one phase. Related projects include 3901RD/ST/WS.	
Scenario Description				Scenario Comments	
Forecast				Project Detailed 2018	
Budget Year	Total Expense	Total Revenue	Difference		
2024	20,000	20,000	0		
2026	400,000	400,000	0		
	420,000	420,000	0		
<u>LTD Amount:</u> 0		<u>Total Project Cost:</u> 420,000			
Related Projects				Operating Impacts	
Year Identified	Start Date	Useful Life	Manager		Completion Date
2011	Jan 1, 2024	75 Years	Reid Porter		Dec 31, 2027

Number:	3901ST	Scenario:	Main
Title:	Clarence St. - Reconstruction - Jane to Norwood	Project Stage:	Committee of Council Review
Asset Type:	Asset Improvement and Maintenance (General)	Strategic Plans:	Infrastructure / Sustainability
Division:	Capital - Engineering, Environmental & Works	Project Type:	
Budget Year:	2018	Active:	Yes

Description				Comments	
The program includes the engineering design and construction services for complete reconstruction of the above-ground and underground infrastructure on Clarence Street from Jane Street to Norwood Avenue.				This area of Clarence Street has underground services that will be reaching their life expectancy in the near future and are in need of repair. In addition, there are increasing traffic pressures that require an overall upgrade. The works will be constructed in one phase. Related projects include 3901RD/SS/WS.	
Scenario Description				Scenario Comments	
Forecast				Project Detailed 2018	
Budget Year	Total Expense	Total Revenue	Difference		
2024	20,000	20,000	0		
2026	400,000	400,000	0		
	420,000	420,000	0		
<u>LTD Amount:</u> 0		<u>Total Project Cost:</u> 420,000			
Related Projects				Operating Impacts	
Year Identified	Start Date	Useful Life	Manager		Completion Date
2011	Jan 1, 2024	75 Years	Reid Porter		Dec 31, 2027

Number:	3901WS	Scenario:	Main
Title:	Clarence St. - Reconstruction - Jane to Norwood	Project Stage:	Committee of Council Review
Asset Type:	Asset Improvement and Maintenance (Water and Wastewater)	Strategic Plans:	Infrastructure / Sustainability
Division:	Capital - Water	Project Type:	
Budget Year:	2018	Active:	Yes

Description				Comments	
The program includes the engineering design and construction services for complete reconstruction of the above-ground and underground infrastructure on Clarence Street from Jane Street to Norwood Avenue.				This area of Clarence Street has underground services that will be reaching their life expectancy in the near future and are in need of repair. In addition, there are increasing traffic pressures that require an overall upgrade. The works will be constructed in one phase. Related projects include 3901RD/ST/SS.	
Scenario Description				Scenario Comments	
Forecast				Project Detailed 2018	
Budget Year	Total Expense	Total Revenue	Difference		
2024	30,000	30,000	0		
2026	600,000	600,000	0		
	630,000	630,000	0		
LTD Amount: 0		Total Project Cost: 630,000			
Related Projects				Operating Impacts	
Year Identified	Start Date	Useful Life	Manager		Completion Date
2011	Jan 1, 2024	75 Years	Reid Porter		Dec 31, 2027

Number:	3903RD	Scenario:	Main
Title:	Second Access to West Ferris Area	Project Stage:	Committee of Council Review
Asset Type:	Strategic Investment (General)	Strategic Plans:	Growth / Economic Development,...
Division:	Capital - Engineering, Environmental & Works	Project Type:	
Budget Year:	2018	Active:	Yes

Description				Comments	
<p>The program involves the engineering design and construction services for a new access from the Ferris area to Highway 11. Engineering services will include an Environmental Assessment (EA), preliminary evaluation and design, detailed design, agency approvals, contract drawings, specifications, tendering and construction technical assistance.</p> <p>The EA will include a study of transportation access to the Ferris area and will involve detailed consideration of the traffic needs, future development needs, and the feasibility of developing a second traffic corridor into Ferris.</p>				<p>The concept of a second access to Ferris along the Marshall Avenue extension to the Highway 11 corridor was established a few decades ago. This route became more challenging when the Province designated large portions of the Ferris area as Provincially Significant Wetlands. The recent Official Plan update and background study process identified that there is a future need of additional transportation facilities servicing the North/South movement of vehicles in and out of Ferris. Three additional alternatives were considered for cursory review in the Official Plan Update.</p>	
				<p>The study will include a detailed investigation and public input for these three and other alternatives. Also, through the recent Highway 17 Route Planning Study undertaken by the Ministry of Transportation, the City identified the desire for a connection from Marshall Avenue to Highway 11. The study made note of this desire and identified on the route planning alternatives a potential future Marshall Avenue extension and interchange.</p>	
				<p>The 2008 Infrastructure Background Study that was prepared in support of the Official Plan Update identified a need for improvements in the near future to accommodate on-going development in the Ferris area. The Study is critical in the short term to enable adequate infrastructure planning in the Ferris area and for the Lakeshore Drive Overpass. It is acknowledged that the actual construction of the second access is a lower priority but its' planning is a critical need in the short term. The works will be constructed in one phase.</p>	
Scenario Description		Scenario Comments			
Forecast		Project Detailed 2018			
Budget Year	Total Expense	Total Revenue	Difference		
2024	500,000	500,000	0		
2026	8,500,000	8,500,000	0		
	9,000,000	9,000,000	0		
LTD Amount: 0		Total Project Cost: 9,000,000			
Related Projects		Operating Impacts			
Year Identified	Start Date	Useful Life	Manager		Completion Date
2011	Jan 1, 2024	25 Years	Reid Porter		Dec 31, 2027

Number:	3904RD	Scenario:	Main
Title:	Road Condition Inspection	Project Stage:	Committee of Council Review
Asset Type:	Asset Improvement and Maintenance (General)	Strategic Plans:	Maintenance
Division:	Capital - Engineering, Environmental & Works	Project Type:	
Budget Year:	2018	Active:	Yes

Description		Comments	
The project involves the engineering services for the condition inspection of the City's roadway network. Condition inspections were previously undertaken in 2007, 2011, and 2015, and this will continue with the four year cycle of getting updated condition data.		<p>The information gathered is used in the City's Pavement Management System software to model and analyze the needs and most cost-effective treatments to maintain, rehabilitate, or replace the pavement structure of the City's road network. In accordance with the City's Asset Management Plan, the condition of the City's road network will be monitored and analyzed on an on-going basis to determine and confirm prioritization with respect to the condition assessment and needs of the overall road and infrastructure network.</p> <p>In order to ensure the most cost-effective resurfacing program, regular updates of the road network condition data are required to ensure accurate and defensible needs assessments and work prioritization.</p>	
Scenario Description		Scenario Comments	
Forecast		Project Detailed 2018	
Budget Year	Total Expense	Total Revenue	Difference
2019	200,000	200,000	0
2023	225,000	225,000	0
2027	250,000	250,000	0
	675,000	675,000	0
LTD Amount: 0		Total Project Cost: 675,000	
Related Projects		Operating Impacts	
Year Identified	Start Date	Useful Life	Manager
2015	Jan 1, 2019	N/A	Gerry McCrank
			Completion Date
			Dec 31, 2027

Number:	3905WS	Scenario:	Main
Title:	Cedar Heights Rd. - Larocque BPS	Project Stage:	Committee of Council Review
Asset Type:	Growth (Water and Wastewater)	Strategic Plans:	Growth / Economic Development
Division:	Capital - Water	Project Type:	
Budget Year:	2018	Active:	Yes

Description		Comments	
<p>This project is to provide for the construction of the Larocque BPS.</p> <p>The third phase of the Cedar Heights water infrastructure upgrades and expansion is to construct a booster pumping station near the Larocque standpipe. Under certain conditions some areas serviced by the standpipe will not have sufficient pressure to meet current standards, therefore a booster station is required to increase the pressure.</p>		<p>Engineering services were previously completed for an Environmental Assessment, preliminary design, detailed design, agency approvals, and contract drawings. Since the design will be on the shelf, immediately prior to tendering and construction, the design will need to be reviewed again and updated for any changes in conditions since the original completion, including any physical changes to the site, changes in standards or regulations, etc.</p> <p>Construction of Phase 1 was completed in 2015, and included construction of the Cedar Heights Booster Pumping Station on College Drive, as well as installation of sewer and water and a pathway on College drive. Phase 2 construction is set to commence in the fall of 2017 and be completed by the fall of 2018, and includes continuation of the sewer and water installation as well as a standpipe on Larocque Road.</p>	
Scenario Description		Scenario Comments	
Forecast		Project Detailed 2018	
Budget Year	Total Expense	Total Revenue	Difference
2020	50,000	50,000	0
2021	4,000,000	4,000,000	0
	4,050,000	4,050,000	0
LTD Amount: 0		Total Project Cost: 4,050,000	
Related Projects		Operating Impacts	
Year Identified	Start Date	Useful Life	Manager
2013	Jan 1, 2020		Reid Porter
			Completion Date
			Dec 31, 2022

Number:	4003WS	Scenario:	Main
Title:	Membrane Module Replacement	Project Stage:	Committee of Council Review
Asset Type:	Asset Improvement and Maintenance (Water and Wastewater)	Strategic Plans:	Infrastructure / Sustainability
Division:	Capital - Water	Project Type:	
Budget Year:	2018	Active:	Yes

Description		Comments	
The project is to replace the membrane module.		The replacement of the membrane module is scheduled to take place in the year 2022.	

Scenario Description		Scenario Comments	

Forecast		Project Detailed 2018	
Budget Year	Total Expense	Total Revenue	Difference
2022	3,240,000	3,240,000	0
	3,240,000	3,240,000	0
<u>LTD Amount:</u> 0		<u>Total Project Cost:</u> 3,240,000	

Related Projects		Operating Impacts	

Year Identified	Start Date	Useful Life	Manager	Completion Date
2012	Jan 1, 2022	15 Years	Karin Pratte	Dec 31, 2022

Number:	4101GG	Scenario:	Main
Title:	Accessibility Building Rehabilitation	Project Stage:	Committee of Council Review
Asset Type:	Asset Improvement and Maintenance (General)	Strategic Plans:	Infrastructure / Sustainability, Maintenance
Division:	Capital - Community Services	Project Type:	
Budget Year:	2018	Active:	Yes

Description				Comments					
To meet standards under the Accessibility for Ontarians with Disabilities 2005, it's anticipated that the City will need to undertake significant renovations to City Hall and other municipal buildings under the (yet to be released) Built Environment Standard. The purpose of the Act is to improve opportunities for people with disabilities by removing barriers. The standards under the Act are being implemented in phases and will lead to full accessibility in Ontario by 2025.									
Scenario Description				Scenario Comments					
Forecast				Project Detailed 2018					
Budget Year		Total Expense		Total Revenue		Difference			
2023		1,000,000		1,000,000		0			
		1,000,000		1,000,000		0			
LTD Amount: 0				Total Project Cost: 1,000,000					
Related Projects				Operating Impacts					
Year Identified		Start Date		Useful Life		Manager		Completion Date	
2011		Jan 1, 2023		15 Years		David Jackowski		Dec 31, 2025	

Number:	4102WS	Scenario:	Main
Title:	Ellendale Pumping Station Second Feed to Airport	Project Stage:	Committee of Council Review
Asset Type:	Strategic Investment (Water and Wastewater)	Strategic Plans:	Growth / Economic Development,...
Division:	Capital - Water	Project Type:	
Budget Year:	2018	Active:	Yes

Description		Comments	
<p>The project involves the engineering and construction services for a new trunk watermain that will provide a duplicate feed from the Ellendale Booster Pumping Station to the Airport Hill distribution system.</p> <p>Engineering services will include preliminary evaluation and design, detailed design, agency approvals, contract drawings, specifications, tendering and construction technical assistance.</p>		<p>The Ellendale site is comprised of two components. The reservoir provides a water storage facility for water supplied directly from the Water Treatment Plant. Water from the reservoir supplies Zone 1 as well as the Ellendale Booster Pumping Station (BPS). The BPS provides water to the Airport Hill area. Both the feed to the reservoir, as well as the discharge pipe from the BPS is a single feed. There is a great risk that a single point failure on either of these feeds would lead to significant disruptions in the water distribution system.</p> <p>This project will look at different alignments to provide a second feed to the Airport Hill area, including Ellendale Drive to Airport Road. Projects 3605RD/WS both address the single feed to the Ellendale Reservoir.</p>	
Scenario Description		Scenario Comments	
Forecast		Project Detailed 2018	
Budget Year	Total Expense	Total Revenue	Difference
2025	200,000	200,000	0
2027	2,500,000	2,500,000	0
	2,700,000	2,700,000	0
LTD Amount: 0		Total Project Cost: 2,700,000	
Related Projects		Operating Impacts	
Year Identified	Start Date	Useful Life	Manager
2016	Jan 1, 2025	TBD	Karin Pratte
			Completion Date
			Dec 31, 2028

Number:	4103SS	Scenario:	Main
Title:	Wastewater Treatment Plant Expansion	Project Stage:	Committee of Council Review
Asset Type:	Asset Improvement and Maintenance (Water and Wastewater)	Strategic Plans:	Infrastructure / Sustainability
Division:	Capital - Sewer	Project Type:	
Budget Year:	2018	Active:	Yes

Description		Comments	
The project provides for engineering and construction of expansion and upgrades to the wastewater treatment facility to handle the increasing wastewater volume.		The project provides for engineering and construction as noted in condition assessment of the Wastewater Treatment Plant completed by Hydromantis Engineering.	
Scenario Description		Scenario Comments	
Forecast		Project Detailed 2018	
Budget Year	Total Expense	Total Revenue	Difference
2020	1,000,000	1,000,000	0
2021	1,500,000	1,500,000	0
2022	2,000,000	2,000,000	0
2025	5,000,000	5,000,000	0
	9,500,000	9,500,000	0
LTD Amount: 0		Total Project Cost: 9,500,000	
Related Projects		Operating Impacts	
Year Identified	Start Date	Useful Life	Manager
2016	Jan 1, 2020	TBD	Karin Pratte
			Completion Date
			Dec 31, 2026

Number:	4200RD	Scenario:	Main
Title:	Lakeshore Dr. - Marshall to Sunset - Phase 3 - Watermain and 1 Lane	Project Stage:	Committee of Council Review
Asset Type:	Strategic Investment (General)	Strategic Plans:	Growth / Economic Development,...
Division:	Capital - Engineering, Environmental & Works	Project Type:	
Budget Year:	2018	Active:	Yes

Description				Comments	
The program involves the engineering and construction services for upgrading the existing 100 mm watermain to a trunk 400 mm watermain. Road and boulevard surface restoration will also be required for the areas disturbed by the watermain installation.				Watermain service along the entire Lakeshore Drive corridor is severely undersized and a new trunk watermain is required to provide adequate water supply. This work was first identified in 1977 and was targeted for construction at the time of reconstruction needs of the road surface to maximize the value of the road asset. In 2003, efforts for the watermain construction commenced; however, the project was postponed due to funding constraints. In 2004, the road surface deteriorated to a degree that the restoration could not await watermain installation works and the road surface was temporarily restored. It is anticipated that at the time of the deterioration of the temporary road works, another opportunity for the watermain upgrades will be available. The need was more recently confirmed again in the 2008 Infrastructure Background Study that was prepared in support of the Official Plan update. Installation of a trunk watermain from Judge Avenue to Sunset Boulevard will be carried out over three phases - Phase 1 will include Judge Avenue to Gertrude Street, Phase 2 will include Gertrude Street to Marshall Avenue and Phase 3 will include Marshall Avenue to Sunset Blvd. Related projects include; 3500RD/ST/SS/WS for Phase 1; 3802RD/ST/SS/WS for Phase 2, and 4200WS for Phase 3.	
Scenario Description				Scenario Comments	
Forecast				Project Detailed 2018	
Budget Year	Total Expense	Total Revenue	Difference		
2025	70,000	70,000	0		
2027	1,400,000	1,400,000	0		
	1,470,000	1,470,000	0		
LTD Amount: 0		Total Project Cost: 1,470,000			
Related Projects				Operating Impacts	
Year Identified	Start Date	Useful Life	Manager		Completion Date
2014	Jan 1, 2025	25 Years	Gerry McCrank		Dec 31, 2028

Number:	4200WS	Scenario:	Main
Title:	Lakeshore Dr. - Marshall to Sunset - Phase 3 - Watermain and 1 Lane	Project Stage:	Committee of Council Review
Asset Type:	Strategic Investment (Water and Wastewater)	Strategic Plans:	Growth / Economic Development,...
Division:	Capital - Water	Project Type:	
Budget Year:	2018	Active:	Yes

Description		Comments		
The program involves the engineering and construction services for upgrading the existing 100 mm watermain to a trunk 400 mm watermain. Road and boulevard surface restoration will also be required for the areas disturbed by the watermain installation.		Watermain service along the entire Lakeshore Drive corridor is severely undersized and a new trunk watermain is required to provide adequate water supply. This work was first identified in 1977 and was targeted for construction at the time of reconstruction needs of the road surface to maximize the value of the road asset. In 2003, efforts for the watermain construction commenced; however, the project was postponed due to funding constraints. In 2004, the road surface deteriorated to a degree that the restoration could not await watermain installation works and the road surface was temporarily restored. It is anticipated that at the time of the deterioration of the temporary road works, another opportunity for the watermain upgrades will be available. The need was more recently confirmed again in the 2008 Infrastructure Background Study that was prepared in support of the Official Plan update. Installation of a trunk watermain from Judge Avenue to Sunset Boulevard will be carried out over three phases - Phase 1 will include Judge Avenue to Gertrude Street, Phase 2 will include Gertrude Street to Marshall Avenue and Phase 3 will include Marshall Avenue to Sunset Blvd. Related projects include; 3500RD/ST/SS/WS for Phase 1; 3802RD/ST/SS/WS for Phase 2, and 4200RD for Phase 3.		
Scenario Description		Scenario Comments		
Forecast		Project Detailed 2018		
Budget Year	Total Expense	Total Revenue	Difference	
2025	60,000	60,000	0	
2027	1,200,000	1,200,000	0	
	1,260,000	1,260,000	0	
LTD Amount: 0		Total Project Cost: 1,260,000		
Related Projects		Operating Impacts		
Year Identified	Start Date	Useful Life	Manager	Completion Date
2014	Jan 1, 2025	75 Years	Gerry McCrank	Dec 31, 2028

Number:	4201PK	Scenario:	Main
Title:	Downtown Parking Facilities	Project Stage:	Committee of Council Review
Asset Type:	Strategic Investment (General)	Strategic Plans:	Growth / Economic Development,...
Division:	Capital - Community Services	Project Type:	
Budget Year:	2018	Active:	Yes

Description		Comments	
The project is to provide funds for the construction of a parking structure to meet the needs for parking spaces in the downtown.		<p>The downtown development potential is limited if steps are not taken to provide additional parking spaces. Project specifics on location and types of parking facilities have not been developed. This project will be completed by Community Services in collaboration with the Engineering Department.</p> <p>This project is related to 3405PK as potential locations may be acquired for construction.</p> <p>Detailed needs would be supported by the Parking Strategy Study that would include Occupancy and Inventory levels to be completed in project 3822PK.</p>	
Scenario Description		Scenario Comments	
Forecast		Project Detailed 2018	
Budget Year	Total Expense	Total Revenue	Difference
2025	4,400,000	4,400,000	0
	4,400,000	4,400,000	0
LTD Amount: 0		Total Project Cost: 4,400,000	
Related Projects		Operating Impacts	
Year Identified	Start Date	Useful Life	Manager
2015	Jan 1, 2025	TBD	David Jackowski
			Completion Date
			Dec 31, 2025

Number:	4202SS	Scenario:	Main
Title:	Infiltration Reduction/Flow Monitoring Program - Phase 3	Project Stage:	Committee of Council Review
Asset Type:	Strategic Investment (Water and Wastewater)	Strategic Plans:	Infrastructure / Sustainability
Division:	Capital - Sewer	Project Type:	
Budget Year:	2018	Active:	Yes

Description				Comments		
<p>The project consists of trenchless rehabilitation of the City's sanitary sewer network intended to reduce the amount of ground water getting into the sanitary sewer system. The success of the initiative will be measured through a reduction of sewage flows at critical points in the network and at the City's Wastewater Treatment Plant.</p> <p>Engineering services will include investigation and conditions inspection, contract drawings, specifications, tendering and construction technical assistance.</p>				<p>The reduction of “clean” groundwater in the sanitary sewer network is essential to maintaining normal flow volumes of sewage processed at the City’s Wastewater Treatment Plant. The City’s Wastewater Treatment Plant regularly operates near a maximum capacity after rainfalls due to the infiltration of clean groundwater through leaking sanitary sewer joints/cracks/holes and older manholes, as well as from illegal household sump pump connections from private property.</p>		
				<p>The reduction of ground water from the sanitary sewage system is essential to reduce the environmental impact from bypassing operations. Further, the reduction of ground water flows will reclaim the sewage plant capacity to intake additional flows from proposed development areas. The works will be undertaken over several years.</p>		
				<p>Two stages of the project have been completed previously. The first stage focused on identifying leaking sewers and grout filling them to plug them up. These leaking points also posed a sinkhole risk where material surrounding the pipe had migrated through the leak to the inside of the pipe leaving a void around the pipe. The grouting technique also fills these voids outside of the pipe and mitigates the risk of a sinkhole. The second stage focused on identifying illegal connections through the process of fog testing, whereby the sewer is filled with a fog type gas that migrates up service connections. If the fog does not outlet from house/building vent stack, it could be potentially exiting through an illegal connection to the inside of the house. The next stage will continue with techniques to identify illegal connections.</p>		
Scenario Description				Scenario Comments		
Forecast				Project Detailed 2018		
Budget Year	Total Expense	Total Revenue	Difference			
2021	200,000	200,000	0			
	200,000	200,000	0			
LTD Amount: 0		Total Project Cost: 200,000				
Related Projects				Operating Impacts		
Year Identified	Start Date	Useful Life		Manager		Completion Date
2013	Jan 1, 2021	10 to 20 Years		Reid Porter		Dec 31, 2022

Number:	4300RD	Scenario:	Main
Title:	North Highway 11 Servicing and Airport Industrial Park Expansion	Project Stage:	Committee of Council Review
Asset Type:	Growth (General)	Strategic Plans:	Growth / Economic Development
Division:	Capital - Engineering, Environmental & Works	Project Type:	
Budget Year:	2018	Active:	Yes

Description		Comments		
The project involves the engineering and construction services to provide water and sanitary sewer services to the last phase of the Airport Industrial Park as well as servicing for Highway 11 North corridor.		The first phase of the Airport Industrial Business Park included servicing to 120 acres of land. This project would be the second phase to extend services to additional lands at the northeast portion of the airport property. The timing of the project will be contingent on the buildout rate of Phase 1.		
Engineering services will include preliminary evaluation and design, detailed design, agency approvals, contract drawings, specifications, tendering and construction technical assistance.				
Scenario Description		Scenario Comments		
Forecast		Project Detailed 2018		
Budget Year	Total Expense	Total Revenue	Difference	
2024	290,000	290,000	0	
2026	5,800,000	5,800,000	0	
	6,090,000	6,090,000	0	
LTD Amount: 0		Total Project Cost: 6,090,000		
Related Projects		Operating Impacts		
Year Identified	Start Date	Useful Life	Manager	Completion Date
2014	Jan 1, 2024	25 Years	Gerry McCrank	Dec 31, 2027

Number:	4300SS	Scenario:	Main
Title:	North Highway 11 Servicing and Airport Industrial Park Expansion	Project Stage:	Committee of Council Review
Asset Type:	Growth (Water and Wastewater)	Strategic Plans:	Growth / Economic Development
Division:	Capital - Sewer	Project Type:	
Budget Year:	2018	Active:	Yes

Description		Comments	
<p>The project involves the engineering and construction services to provide water and sanitary sewer services to the last phase of the Airport Industrial Park as well as servicing for Highway 11 North corridor.</p> <p>Engineering services will include preliminary evaluation and design, detailed design, agency approvals, contract drawings, specifications, tendering and construction technical assistance.</p>		<p>The first phase of the Airport Industrial Business Park included servicing to 120 acres of land. This project would be the second phase to extend services to additional lands at the northeast portion of the airport property. The timing of the project will be contingent on the buildout rate of Phase 1.</p>	
Scenario Description		Scenario Comments	
Forecast		Project Detailed 2018	
Budget Year	Total Expense	Total Revenue	Difference
2024	155,000	155,000	0
2026	3,100,000	3,100,000	0
	3,255,000	3,255,000	0
LTD Amount: 0		Total Project Cost: 3,255,000	
Related Projects		Operating Impacts	
Year Identified	Start Date	Useful Life	Manager
2014	Jan 1, 2024	75 Years	Gerry McCrank
			Completion Date
			Dec 31, 2027

Number:	4300WS	Scenario:	Main
Title:	North Highway 11 Servicing and Airport Industrial Park Expansion	Project Stage:	Committee of Council Review
Asset Type:	Growth (Water and Wastewater)	Strategic Plans:	Growth / Economic Development
Division:	Capital - Water	Project Type:	
Budget Year:	2018	Active:	Yes

Description		Comments		
The project involves the engineering and construction services to provide water and sanitary sewer services to the last phase of the Airport Industrial Park as well as servicing for Highway 11 North corridor.		The first phase of the Airport Industrial Business Park included servicing to 120 acres of land. This project would be the second phase to extend services to additional lands at the northeast portion of the airport property. The timing of the project will be contingent on the buildout rate of Phase 1.		
Engineering services will include preliminary evaluation and design, detailed design, agency approvals, contract drawings, specifications, tendering and construction technical assistance.				
Scenario Description		Scenario Comments		
Forecast		Project Detailed 2018		
Budget Year	Total Expense	Total Revenue	Difference	
2024	170,000	170,000	0	
2026	3,400,000	3,400,000	0	
	3,570,000	3,570,000	0	
LTD Amount: 0		Total Project Cost: 3,570,000		
Related Projects		Operating Impacts		
Year Identified	Start Date	Useful Life	Manager	Completion Date
2014	Jan 1, 2024	75 Years	Gerry McCrank	Dec 31, 2027

Number:	4401RD	Scenario:	Main
Title:	Sage Rd. Reconstruction to Collector Standard	Project Stage:	Committee of Council Review
Asset Type:	Growth (General)	Strategic Plans:	Infrastructure / Sustainability
Division:	Capital - Engineering, Environmental & Works	Project Type:	
Budget Year:	2018	Active:	Yes

Description		Comments		
<p>The program involves the engineering and construction services for reconstruction of above-ground and underground infrastructure and to upgrade Sage Road to a proper collector standard.</p> <p>Engineering services will include an Environmental Assessment (EA), preliminary evaluation and design, detailed design, agency approvals, contract drawings, specifications, tendering and construction technical assistance.</p>		<p>Sage Road was originally constructed as a semi-urban collector (included ditches). The City Capital Works Program has targeted upgrading of the City’s arterial roads as a primary objective over the past 10 years. As most of the arterial routes have been addressed, the collector and bus routes are the secondary priority to be addressed.</p> <p>Sage Road is a primary collector route for the Birchaven area, and the upgrades will improve the roadway drainage (which will result in a pavement structure with a longer service life), and will also provide improved pedestrian facilities and safety (currently only a portion of the roadway has a separated sidewalk, while the balance has a paved shoulder sidewalk).</p> <p>The work will be constructed in one phase.</p> <p>Related projects include 4401ST/WS.</p>		
Scenario Description		Scenario Comments		
Forecast		Project Detailed 2018		
Budget Year	Total Expense	Total Revenue	Difference	
2025	175,000	175,000	0	
2027	3,500,000	3,500,000	0	
	3,675,000	3,675,000	0	
LTD Amount: 0		Total Project Cost: 3,675,000		
Related Projects		Operating Impacts		
Year Identified	Start Date	Useful Life	Manager	Completion Date
2014	Jan 1, 2025	25 Years	Reid Porter	Dec 31, 2028

Number:	4401ST	Scenario:	Main
Title:	Sage Rd. Reconstruction to Collector Standard	Project Stage:	Committee of Council Review
Asset Type:	Growth (General)	Strategic Plans:	Infrastructure / Sustainability
Division:	Capital - Engineering, Environmental & Works	Project Type:	
Budget Year:	2018	Active:	Yes

Description		Comments		
The program involves the engineering and construction services for reconstruction of above-ground and underground infrastructure and to upgrade Sage Road to a proper collector standard. Engineering services will include an Environmental Assessment (EA), preliminary evaluation and design, detailed design, agency approvals, contract drawings, specifications, tendering and construction technical assistance.		Sage Road was originally constructed as a semi-urban collector (included ditches). The City Capital Works Program has targeted upgrading of the City’s arterial roads as a primary objective over the past 10 years. As most of the arterial routes have been addressed, the collector and bus routes are the secondary priority to be addressed. Sage Road is a primary collector route for the Birchaven area, and the upgrades will improve the roadway drainage (which will result in a pavement structure with a longer service life), and will also provide improved pedestrian facilities and safety (currently only a portion of the roadway has a separated sidewalk, while the balance has a paved shoulder sidewalk). The work will be constructed in one phase. Related projects include 4401RD/WS.		
Scenario Description		Scenario Comments		
Forecast		Project Detailed 2018		
Budget Year	Total Expense	Total Revenue	Difference	
2025	65,000	65,000	0	
2027	1,300,000	1,300,000	0	
	1,365,000	1,365,000	0	
LTD Amount: 0		Total Project Cost: 1,365,000		
Related Projects		Operating Impacts		
Year Identified	Start Date	Useful Life	Manager	Completion Date
2014	Jan 1, 2025	75 Years	Reid Porter	Dec 31, 2028

Number:	4401WS	Scenario:	Main
Title:	Sage Rd. Reconstruction to Collector Standard	Project Stage:	Committee of Council Review
Asset Type:	Growth (Water and Wastewater)	Strategic Plans:	Infrastructure / Sustainability
Division:	Capital - Water	Project Type:	
Budget Year:	2018	Active:	Yes

Description		Comments		
<p>The program involves the engineering and construction services for reconstruction of above-ground and underground infrastructure and to upgrade Sage Road to a proper collector standard.</p> <p>Engineering services will include an Environmental Assessment (EA), preliminary evaluation and design, detailed design, agency approvals, contract drawings, specifications, tendering and construction technical assistance.</p>		<p>Sage Road was originally constructed as a semi-urban collector (included ditches). The City Capital Works Program has targeted upgrading of the City’s arterial roads as a primary objective over the past 10 years. As most of the arterial routes have been addressed, the collector and bus routes are the secondary priority to be addressed.</p> <p>Sage Road is a primary collector route for the Birchaven area, and the upgrades will improve the roadway drainage (which will result in a pavement structure with a longer service life), and will also provide improved pedestrian facilities and safety (currently only a portion of the roadway has a separated sidewalk, while the balance has a paved shoulder sidewalk).</p> <p>The work will be constructed in one phase.</p> <p>Related projects include 4401RD/ST.</p>		
Scenario Description		Scenario Comments		
Forecast		Project Detailed 2018		
Budget Year	Total Expense	Total Revenue	Difference	
2025	45,000	45,000	0	
2027	900,000	900,000	0	
	945,000	945,000	0	
LTD Amount: 0		Total Project Cost: 945,000		
Related Projects		Operating Impacts		
Year Identified	Start Date	Useful Life	Manager	Completion Date
2014	Jan 1, 2025	75 Years	Reid Porter	Dec 31, 2028

Number:	4402SS	Scenario:	Main
Title:	Chippewa Trunk Sewer Major Rehabilitation & Replacement	Project Stage:	Committee of Council Review
Asset Type:	Asset Improvement and Maintenance (Water and Wastewater)	Strategic Plans:	Infrastructure / Sustainability
Division:	Capital - Sewer	Project Type:	
Budget Year:	2018	Active:	Yes

Description				Comments	
<p>The program involves the engineering and construction services for the upgrading, rehabilitation, and/or reconstruction of Chippewa Trunk Sewer. Engineering services will include preliminary evaluation and design, detailed design, agency approvals, contract drawings, specifications, tendering, and construction technical assistance.</p> <p>A detailed condition assessment will be included to identify the needs, as well as an analysis to determine if there are any potential capacity deficiencies that may require up-sizing. The final works will include a combination of rehabilitation and replacement.</p>				<p>In accordance with the City's Asset Management Plan, the condition of the trunk sewer will be monitored and analyzed on an on-going basis to determine and confirm prioritization with respect to the condition assessment and needs of the overall sanitary sewer and infrastructure network.</p> <p>The trunk sewer was originally constructed in the 1970's and will have an age of 50+ years, and in-line with asset management principles, will be due for major maintenance and rehabilitation work. The Chippewa Trunk Sewer is the main trunk sewer and one of the most critical components of the City sanitary sewer system.</p> <p>A number of other trunk sewers flow in the Chippewa system, including the Canadore, Oak Street, Oak Street relief, and Sage trunk sewer. Failure of the Chippewa Trunk Sewer could impact a significant portion of the network. The works will likely be undertaken in multiple phases.</p>	
Scenario Description				Scenario Comments	
Forecast				Project Detailed 2018	
Budget Year	Total Expense	Total Revenue	Difference		
2025	200,000	200,000	0		
2027	2,500,000	2,500,000	0		
	2,700,000	2,700,000	0		
LTD Amount: 0		Total Project Cost: 2,700,000			
Related Projects				Operating Impacts	
Year Identified	Start Date	Useful Life	Manager		Completion Date
2015	Jan 1, 2025	25 Years	Gerry McCrank		Dec 31, 2028

Number:	4500RD	Scenario:	Main
Title:	Franklin & John Trunk Watermain	Project Stage:	Committee of Council Review
Asset Type:	Strategic Investment (General)	Strategic Plans:	Infrastructure / Sustainability
Division:	Capital - Engineering, Environmental & Works	Project Type:	
Budget Year:	2018	Active:	Yes

Description		Comments		
The project includes the engineering and construction services for the installation of a new 400 mm trunk watermain along Franklin Street and John Street. Engineering services will include preliminary evaluation and design, detailed design, agency approvals, contract drawings, specifications, tendering and construction technical assistance.		The need was identified in the 2008 Infrastructure Background Study that was prepared in support of the Official Plan update. Installation of a new trunk watermain along Sage Road, Seymour Street, Franklin Street, and John Street will provide better distribution of flows and reinforcement of the Zone 1 distribution system. A major portion of the Seymour component is included in projects 3700RD/ST/WS. Also, a portion on Sage Road (Rita Road to Shallot Crescent) was previously completed internally by Public Works resources. Related projects include 4500ST/WS and 3700RD/ST/WS.		
Scenario Description		Scenario Comments		
Forecast		Project Detailed 2018		
Budget Year	Total Expense	Total Revenue	Difference	
2025	205,000	205,000	0	
2027	4,100,000	4,100,000	0	
	4,305,000	4,305,000	0	
LTD Amount: 0		Total Project Cost: 4,305,000		
Related Projects		Operating Impacts		
Year Identified	Start Date	Useful Life	Manager	Completion Date
2016	Jan 1, 2025	25 Years	Gerry McCrank	Dec 31, 2028

Number:	4500ST	Scenario:	Main
Title:	Franklin & John Trunk Watermain	Project Stage:	Committee of Council Review
Asset Type:	Strategic Investment (General)	Strategic Plans:	Infrastructure / Sustainability
Division:	Capital - Engineering, Environmental & Works	Project Type:	
Budget Year:	2018	Active:	Yes

Description		Comments		
The project includes the engineering and construction services for the installation of a new 400 mm trunk watermain along Franklin Street and John Street. Engineering services will include preliminary evaluation and design, detailed design, agency approvals, contract drawings, specifications, tendering and construction technical assistance.		The need was identified in the 2008 Infrastructure Background Study that was prepared in support of the Official Plan update. Installation of a new trunk watermain along Sage Road, Seymour Street, Franklin Street, and John Street will provide better distribution of flows and reinforcement of the Zone 1 distribution system. A major portion of the Seymour component is included in projects 3700RD/ST/WS. Also, a portion on Sage Road (Rita Road to Shallot Crescent) was previously completed internally by Public Works resources. Related projects include 4500RD/ST and 3700RD/ST/WS.		
Scenario Description		Scenario Comments		
Forecast		Project Detailed 2018		
Budget Year	Total Expense	Total Revenue	Difference	
2025	75,000	75,000	0	
2027	1,500,000	1,500,000	0	
	1,575,000	1,575,000	0	
LTD Amount: 0		Total Project Cost: 1,575,000		
Related Projects		Operating Impacts		
Year Identified	Start Date	Useful Life	Manager	Completion Date
2016	Jan 1, 2025	75 Years	Gerry McCrank	Dec 31, 2028

Number:	4500WS	Scenario:	Main
Title:	Franklin & John Trunk Watermain	Project Stage:	Committee of Council Review
Asset Type:	Strategic Investment (Water and Wastewater)	Strategic Plans:	Infrastructure / Sustainability
Division:	Capital - Water	Project Type:	
Budget Year:	2018	Active:	Yes

Description		Comments		
The project includes the engineering and construction services for the installation of a new 400 mm trunk watermain along Franklin Street and John Street. Engineering services will include preliminary evaluation and design, detailed design, agency approvals, contract drawings, specifications, tendering and construction technical assistance.		The need was identified in the 2008 Infrastructure Background Study that was prepared in support of the Official Plan update. Installation of a new trunk watermain along Sage Road, Seymour Street, Franklin Street, and John Street will provide better distribution of flows and reinforcement of the Zone 1 distribution system. A major portion of the Seymour component is included in projects 3700RD/ST/WS. Also, a portion on Sage Road (Rita Road to Shallot Crescent) was previously completed internally by Public Works resources. Related projects include 4500RD/ST and 3700RD/ST/WS.		
Scenario Description		Scenario Comments		
Forecast		Project Detailed 2018		
Budget Year	Total Expense	Total Revenue	Difference	
2025	110,000	110,000	0	
2027	2,200,000	2,200,000	0	
	2,310,000	2,310,000	0	
LTD Amount: 0		Total Project Cost: 2,310,000		
Related Projects		Operating Impacts		
Year Identified	Start Date	Useful Life	Manager	Completion Date
2016	Jan 1, 2025	75 Years	Gerry McCrank	Dec 31, 2028

Number:	6361RD	Scenario:	Main
Title:	City Share of Development Costs 2018 On-going	Project Stage:	Committee of Council Review
Asset Type:	Growth (General)	Strategic Plans:	Growth / Economic Development
Division:	Capital - Engineering, Environmental & Works	Project Type:	
Budget Year:	2018	Active:	Yes

Description				Comments			
This project provides a funding source to enable the City to respond to development requests. The City contributes towards infrastructure upgrades that are associated with development charges common to most developments. Works typically include municipal service extensions/upgrades and various utility costs for relocation or upgrading.				These works are considered a priority and are vital to the City’s philosophy of “Open for Business”. Maintaining growth and development drives the local economy and increases the city assessment. Budget funds in the forecast represent an allowance for unknown and unforeseen costs for roadway related works related to new development. An example of this would be the City requiring a new subdivision road to be a Collector standard. Current practice is that the developer would only be responsible to cover the costs to a Local standard and the City would cover the additional cost to increase it to a Collector standard. While there are no revenues associated with these works, they generally provide taxation revenue and growth for future return on investment. Related project includes 6361WS.			
Scenario Description				Scenario Comments			
Forecast				Project Detailed 2018			
Budget Year	Total Expense	Total Revenue	Difference	GL Account	Description	Total Amount	
2018	285,000	285,000	0	Expense			
2019	294,000	294,000	0	3425	CONSTRUCTION CONTRACT	271,429	
2020	303,000	303,000	0	4005	INTERNAL INTEREST CHARGES	9,296	
2021	312,000	312,000	0	7010	ADMINISTRATON & OVERHEAD	4,275	
2022	321,000	321,000	0			Total Expense:	285,000
2023	331,000	331,000	0	Revenue			
2024	341,000	341,000	0	0461	TSF FRM REV FUND-PAYGO	285,000	
2025	351,000	351,000	0			Total Revenue:	285,000
2026	362,000	362,000	0				
2027	373,000	373,000	0				
		3,273,000	3,273,000				
<u>LTD Amount:</u> 0		<u>Total Project Cost:</u> 3,273,000					
Related Projects				Operating Impacts			
Year Identified	Start Date	Useful Life	Manager			Completion Date	
2018	Jan 1, 2018	TBD	Adam Lacombe			Dec 31, 2018	

Number:	6361WS	Scenario:	Main
Title:	City Share of Development Costs 2018 On-going	Project Stage:	Committee of Council Review
Asset Type:	Growth (Water and Wastewater)	Strategic Plans:	Growth / Economic Development
Division:	Capital - Water	Project Type:	
Budget Year:	2018	Active:	Yes

Description				Comments			
This project provides a funding source to enable the City to respond to development requests. The City contributes towards infrastructure upgrades that are associated with development charges common to most developments. Works typically include municipal service extensions/upgrades and various utility costs for relocation or upgrading.				These works are considered a priority and are vital to the City's philosophy of "Open for Business". Maintaining growth and development drives the local economy and increases the city assessment. Budget funds in the forecast represent an allowance for unknown and unforeseen costs for roadway related works related to new development. An example of this would be the City requiring a new subdivision road to be a Collector standard. Current practice is that the developer would only be responsible to cover the costs to a Local standard and the City would cover the additional cost to increase it to a Collector standard. While there are no revenues associated with these works, they generally provide taxation revenue and growth for future return on investment. Related project includes 6361RD.			
Scenario Description				Scenario Comments			
Forecast				Project Detailed 2018			
Budget Year	Total Expense	Total Revenue	Difference	GL Account	Description	Total Amount	
2018	260,000	260,000	0	Expense			
2019	268,000	268,000	0	3425	CONSTRUCTION CONTRACT	247,619	
2020	276,000	276,000	0	4005	INTERNAL INTEREST CHARGES	8,481	
2021	284,000	284,000	0	7010	ADMINISTRATON & OVERHEAD	3,900	
2022	293,000	293,000	0	Total Expense:		260,000	
2023	302,000	302,000	0	Revenue			
2024	311,000	311,000	0	0461	TSF FRM REV FUND-PAYGO	260,000	
2025	320,000	320,000	0	Total Revenue:		260,000	
2026	330,000	330,000	0				
2027	340,000	340,000	0				
2,984,000		2,984,000	0				
LTD Amount: 0		Total Project Cost: 2,984,000					
Related Projects				Operating Impacts			
Year Identified	Start Date	Useful Life	Manager			Completion Date	
2018	Jan 1, 2018	TBD	Adam Lacombe			Dec 31, 2018	

Number:	6363RD	Scenario:	Main
Title:	Asphalt Resurfacing 2018 On-going	Project Stage:	Committee of Council Review
Asset Type:	Asset Improvement and Maintenance (General)	Strategic Plans:	Infrastructure / Sustainability
Division:	Capital - Engineering, Environmental & Works	Project Type:	
Budget Year:	2018	Active:	Yes

Description	Comments
<p>The program involves the construction services for the annual resurfacing program. Engineering services will include detailed design, agency approvals, contract drawings, specifications, tendering and construction technical assistance.</p> <p>The project is an on-going annual program to maintain and/or restore the riding surface of the urban city streets. The project utilizes a variety of techniques for maintenance of the roadway and protection of the asset. Works may involve asphalt grinding, pulverization, recycling, crack sealing, base stabilization, drainage improvements, curb restoration, boulevard restoration in addition to cold-in-place or hot-mix asphalt paving.</p>	<p>The maintenance of the road surface is of primary importance to the community. The annual program extends the life of our roads, reduces annual maintenance costs and provides a continued level of service.</p> <p>In accordance with the City's Asset Management Plan, the condition of the City's roads will be monitored and analyzed on an on-going basis to determine and confirm prioritization with respect to the condition assessment and needs of the overall road and infrastructure network. To assist with the prioritization, the City's Pavement Management Software and the results of the Pavement Quality Inspection performed in 2015 will be utilized.</p> <p>The project is partially funded using the Federal Gas Tax.</p> <p>The work will be constructed in one phase.</p>

Scenario Description	Scenario Comments

Forecast				Project Detailed 2018			
Budget Year	Total Expense	Total Revenue	Difference	GL Account	Description	Total Amount	
2018	3,500,000	3,500,000	0	Expense			
2019	3,600,000	3,600,000	0		1001	REGULAR SALARIES	93,114
2020	3,600,000	3,600,000	0		3115	ENGINEERING FEES	81,800
2021	3,600,000	3,600,000	0		3425	CONSTRUCTION CONTRACT	3,158,419
2022	3,600,000	3,600,000	0		4005	INTERNAL INTEREST CHARGES	114,167
2023	3,600,000	3,600,000	0		7010	ADMINISTRATON & OVERHEAD	52,500
2024	3,600,000	3,600,000	0			Total Expense:	3,500,000
2025	3,600,000	3,600,000	0	Revenue			
2026	3,600,000	3,600,000	0		0461	TSF FRM REV FUND-PAYGO	248,467
2027	3,600,000	3,600,000	0		0608	FEDERAL GAS TAX	3,251,533
	35,900,000	35,900,000	0		Total Revenue:	3,500,000	
LTD Amount: 0				Total Project Cost: 35,900,000			

Related Projects			Operating Impacts	
Year Identified	Start Date	Useful Life	Manager	Completion Date
2018	Jan 1, 2018	10 Years	Gerry McCrank	Dec 31, 2018

Number:	6364RD	Scenario:	Main
Title:	Asphalt Sheeting 2018 On-going	Project Stage:	Committee of Council Review
Asset Type:	Asset Improvement and Maintenance (General)	Strategic Plans:	Infrastructure / Sustainability, Maintenance
Division:	Capital - Engineering, Environmental & Works	Project Type:	
Budget Year:	2018	Active:	Yes

Description		Comments	
The sheeting program is an on-going program designed to address localized serious deficiencies in asphalt paving that arise suddenly and pose serious risk to drivers and can lead to more serious issues.		The sudden onsets of these deficiencies are not identified in the resurfacing budget but do warrant immediate repair to limit liability and prevent further damage.	

Scenario Description		Scenario Comments	

Forecast				Project Detailed 2018			
Budget Year	Total Expense	Total Revenue	Difference	GL Account	Description		Total Amount
2018	126,000	126,000	0	Expense			
2019	130,000	130,000	0	3425	CONSTRUCTION CONTRACT		120,000
2020	134,000	134,000	0	4005	INTERNAL INTEREST CHARGES		4,110
2021	138,000	138,000	0	7010	ADMINISTRATON & OVERHEAD		1,890
2022	142,000	142,000	0			Total Expense:	126,000
2023	146,000	146,000	0	Revenue			
2024	146,000	146,000	0	0461	TSF FRM REV FUND-PAYGO		126,000
2025	146,000	146,000	0			Total Revenue:	126,000
2026	146,000	146,000	0				
2027	146,000	146,000	0				
	1,400,000	1,400,000	0				
LTD Amount: 0		Total Project Cost: 1,400,000					

Related Projects			Operating Impacts	
Year Identified	Start Date	Useful Life	Manager	Completion Date
2018	Jan 1, 2018	10 Years	Domenic Schiavone	Dec 31, 2018

Number:	6365SS	Scenario:	Main
Title:	Sewer Rehab and Restoration 2018 On-going	Project Stage:	Committee of Council Review
Asset Type:	Asset Improvement and Maintenance (Water and Wastewater)	Strategic Plans:	Infrastructure / Sustainability
Division:	Capital - Sewer	Project Type:	
Budget Year:	2018	Active:	Yes

Description	Comments
<p>This project is to rehabilitation and restore deficiencies in the sanitary sewer system.</p> <p>It will reduce infiltration and excessive loading of ground water into our sanitary sewer system. Work is completed by city staff and equipment.</p>	The 2018 program will include restoration work to support wastewater on-going projects.

Scenario Description	Scenario Comments

Forecast				Project Detailed 2018			
Budget Year	Total Expense	Total Revenue	Difference	GL Account	Description	Total Amount	
2018	50,000	50,000	0	Expense			
2019	50,000	50,000	0		3425	CONSTRUCTION CONTRACT	47,619
2020	50,000	50,000	0		4005	INTERNAL INTEREST CHARGES	1,631
2021	50,000	50,000	0		7010	ADMINISTRATON & OVERHEAD	750
2022	50,000	50,000	0				
2023	50,000	50,000	0	Revenue			
2024	50,000	50,000	0		0461	TSF FRM REV FUND-PAYGO	50,000
2025	50,000	50,000	0				
2026	50,000	50,000	0				
2027	50,000	50,000	0				
	500,000	500,000	0				
LTD Amount: 0				Total Project Cost: 500,000			

Related Projects			Operating Impacts	
Year Identified	Start Date	Useful Life	Manager	Completion Date
2018	Jan 1, 2018	50 Years	Domenic Schiavone	Dec 31, 2018

Number:	6365WS	Scenario:	Main
Title:	Watermain Rehab and Restoration 2018 On-going	Project Stage:	Committee of Council Review
Asset Type:	Asset Improvement and Maintenance (Water and Wastewater)	Strategic Plans:	Infrastructure / Sustainability
Division:	Capital - Water	Project Type:	
Budget Year:	2018	Active:	Yes

Description	Comments
The project provides for an on-going looping of dead end watermain and provides a permanent solution for adverse water conditions such as dirty water and low chlorine residual. It will reduce wasting water through continuous flushing. Work is completed by city staff and equipment.	The 2018 program will include restoration work to support water on-going projects.

Scenario Description	Scenario Comments

Forecast				Project Detailed 2018			
Budget Year	Total Expense	Total Revenue	Difference	GL Account	Description	Total Amount	
2018	100,000	100,000	0	Expense			
2019	697,000	697,000	0		3425	CONSTRUCTION CONTRACT	95,238
2020	707,000	707,000	0		4005	INTERNAL INTEREST CHARGES	3,262
2021	797,000	797,000	0		7010	ADMINISTRATON & OVERHEAD	1,500
2022	807,000	807,000	0				
2023	818,000	818,000	0	Revenue			
2024	818,000	818,000	0		0461	TSF FRM REV FUND-PAYGO	100,000
2025	818,000	818,000	0				
2026	818,000	818,000	0				
2027	818,000	818,000	0				
	7,198,000	7,198,000	0				
LTD Amount: 0		Total Project Cost: 7,198,000					

Related Projects			Operating Impacts	
Year Identified	Start Date	Useful Life	Manager	Completion Date
2018	Jan 1, 2018	50 Years	Domenic Schiavone	Dec 31, 2018

Number:	6366RD	Scenario:	Main
Title:	Pedestrian Safety Program 2018 On-going	Project Stage:	Committee of Council Review
Asset Type:	Asset Improvement and Maintenance (General)	Strategic Plans:	Growth / Economic Development,...
Division:	Capital - Engineering, Environmental & Works	Project Type:	
Budget Year:	2018	Active:	Yes

Description				Comments			
The project provides for an on-going capital program for the replacement of deteriorated sidewalks and the addition of new sidewalks and other safety facilities, such as pedestrian activated signals and count down pedestrian heads.				The project will assist the City to maintain compliance with the Accessibility Act and maintain compliance with the Minimum Maintenance Standards of Ontario.			
				Funds from this project are utilized to complete the annual sidewalk inspection and installation of new sidewalks to enhance pedestrian safety in areas where none previously existed.			
				The 2018 program will include the installation of sidewalks on the second half of Greenhill from Pearce St. westerly towards Airport Rd.			
Scenario Description				Scenario Comments			
Forecast				Project Detailed 2018			
Budget Year	Total Expense	Total Revenue	Difference	GL Account	Description	Total Amount	
2018	126,000	126,000	0	Expense			
2019	130,000	130,000	0	3425	CONSTRUCTION CONTRACT	120,000	
2020	134,000	134,000	0	4005	INTERNAL INTEREST CHARGES	4,110	
2021	138,000	138,000	0	7010	ADMINISTRATON & OVERHEAD	1,890	
2022	142,000	142,000	0		Total Expense:	126,000	
2023	146,000	146,000	0	Revenue			
2024	146,000	146,000	0	0461	TSF FRM REV FUND-PAYGO	126,000	
2025	146,000	146,000	0		Total Revenue:	126,000	
2026	146,000	146,000	0				
2027	146,000	146,000	0				
	1,400,000	1,400,000	0				
LTD Amount: 0		Total Project Cost: 1,400,000					
Related Projects				Operating Impacts			
Year Identified	Start Date	Useful Life		Manager		Completion Date	
2018	Jan 1, 2018	50 Years		Domenic Schiavone		Dec 31, 2018	

Number:	6367RD	Scenario:	Main
Title:	Road Culvert Replace/Rehab 2018 On-going	Project Stage:	Committee of Council Review
Asset Type:	Asset Improvement and Maintenance (General)	Strategic Plans:	Infrastructure / Sustainability, Maintenance
Division:	Capital - Engineering, Environmental & Works	Project Type:	
Budget Year:	2018	Active:	Yes

Description				Comments			
The project is on-going and designed to provide for replacement and rehabilitation of culverts located along rural roadways where no other drainage system is in place. It is essential for maintaining and extending the life cycle of our rural roadways. The project also works in conjunction with the Rural Road Rehabilitation program.				In 2018, the program will include culvert replacements along sections of Peninsula Road and relining various outfalls along Trout Lake.			
Scenario Description				Scenario Comments			
Forecast				Project Detailed 2018			
Budget Year	Total Expense	Total Revenue	Difference	GL Account	Description	Total Amount	
2018	191,000	191,000	0	Expense			
2019	197,000	197,000	0	3425	CONSTRUCTION CONTRACT	181,905	
2020	203,000	203,000	0	4005	INTERNAL INTEREST CHARGES	6,230	
2021	209,000	209,000	0	7010	ADMINISTRATON & OVERHEAD	2,865	
2022	215,000	215,000	0		Total Expense:	191,000	
2023	221,000	221,000	0	Revenue			
2024	221,000	221,000	0	0461	TSF FRM REV FUND-PAYGO	191,000	
2025	221,000	221,000	0		Total Revenue:	191,000	
2026	221,000	221,000	0				
2027	221,000	221,000	0				
	2,120,000	2,120,000	0				
LTD Amount: 0		Total Project Cost: 2,120,000					
Related Projects				Operating Impacts			
Year Identified	Start Date	Useful Life		Manager		Completion Date	
2018	Jan 1, 2018	25 Years		Domenic Schiavone		Dec 31, 2018	

Number:	6368RD	Scenario:	Main
Title:	Rural Road Rehab 2018 On-going	Project Stage:	Committee of Council Review
Asset Type:	Asset Improvement and Maintenance (General)	Strategic Plans:	Infrastructure / Sustainability, Maintenance
Division:	Capital - Engineering, Environmental & Works	Project Type:	
Budget Year:	2018	Active:	Yes

Description				Comments			
The project provides for the on-going reconstruction and resurfacing of our rural roads. It also involves the crushing of stockpiled waste asphalt for use in the resurfacing process.				This project will be used for the resurfacing, base repair, and ditching on Peninsula Road and Chadbourne Drive.			
Scenario Description				Scenario Comments			
Forecast				Project Detailed 2018			
Budget Year	Total Expense	Total Revenue	Difference	GL Account	Description	Total Amount	
2018	632,000	632,000	0	Expense			
2019	651,000	651,000	0	3425	CONSTRUCTION CONTRACT	601,905	
2020	671,000	671,000	0	4005	INTERNAL INTEREST CHARGES	20,615	
2021	691,000	691,000	0	7010	ADMINISTRATON & OVERHEAD	9,480	
2022	712,000	712,000	0		Total Expense:	632,000	
2023	733,000	733,000	0	Revenue			
2024	733,000	733,000	0	0461	TSF FRM REV FUND-PAYGO	343,008	
2025	733,000	733,000	0	0608	FEDERAL GAS TAX	288,992	
2026	733,000	733,000	0		Total Revenue:	632,000	
2027	733,000	733,000	0				
	7,022,000	7,022,000	0				
LTD Amount: 0		Total Project Cost: 7,022,000					
Related Projects				Operating Impacts			
Year Identified	Start Date	Useful Life		Manager		Completion Date	
2018	Jan 1, 2018	25 Years		Domenic Schiavone		Dec 31, 2018	

Number:	6369SL	Scenario:	Main
Title:	Traffic Control Signal Upgrade 2018 On-going	Project Stage:	Committee of Council Review
Asset Type:	Asset Improvement and Maintenance (General)	Strategic Plans:	Infrastructure / Sustainability, Technology
Division:	Capital - Engineering, Environmental & Works	Project Type:	
Budget Year:	2018	Active:	Yes

Description				Comments			
The project provides for an on-going program of traffic control signals upgrades throughout the City and is used in conjunction to assist the City in maintaining compliance with the Accessibility Act.				In 2018 the program will continue with traffic cabinet replacements, upgrade additional intersections to utilize detection cameras, upgrade signals to audible systems for accessibility standards and install networking software for a central control system.			
Scenario Description				Scenario Comments			
Forecast				Project Detailed 2018			
Budget Year	Total Expense	Total Revenue	Difference	GL Account	Description	Total Amount	
2018	191,000	191,000	0	Expense			
2019	197,000	197,000	0	3425	CONSTRUCTION CONTRACT	181,905	
2020	203,000	203,000	0	4005	INTERNAL INTEREST CHARGES	6,230	
2021	209,000	209,000	0	7010	ADMINISTRATON & OVERHEAD	2,865	
2022	215,000	215,000	0		Total Expense:	191,000	
2023	221,000	221,000	0	Revenue			
2024	221,000	221,000	0	0461	TSF FRM REV FUND-PAYGO	191,000	
2025	221,000	221,000	0		Total Revenue:	191,000	
2026	221,000	221,000	0				
2027	221,000	221,000	0				
	2,120,000	2,120,000	0				
LTD Amount: 0		Total Project Cost: 2,120,000					
Related Projects				Operating Impacts			
Year Identified	Start Date	Useful Life		Manager		Completion Date	
2018	Jan 1, 2018	25 Years		Domenic Schiavone		Dec 31, 2018	

Number:	6370RD	Scenario:	Main
Title:	Sidewalk Replacement Program 2018 On-going	Project Stage:	Committee of Council Review
Asset Type:	Asset Improvement and Maintenance (General)	Strategic Plans:	Infrastructure / Sustainability, Maintenance
Division:	Capital - Engineering, Environmental & Works	Project Type:	
Budget Year:	2018	Active:	Yes

Description	Comments
The project is on-going and provides for an annual survey of all the city's sidewalks to identify deficiencies as outlined under the Minimum Maintenance Standards of Ontario. Project funds are also used to conduct sidewalk replacement of sections identified in the annual survey and/or patch smaller sections.	A list of sidewalks will be identified once the sidewalk survey is completed in the spring of 2018.

Scenario Description	Scenario Comments

Forecast				Project Detailed 2018			
Budget Year	Total Expense	Total Revenue	Difference	GL Account	Description	Total Amount	
2018	191,000	191,000	0	Expense			
2019	197,000	197,000	0		3425	CONSTRUCTION CONTRACT	181,905
2020	203,000	203,000	0		4005	INTERNAL INTEREST CHARGES	6,230
2021	209,000	209,000	0		7010	ADMINISTRATON & OVERHEAD	2,865
2022	215,000	215,000	0				
2023	221,000	221,000	0	Revenue			
2024	221,000	221,000	0				
2025	221,000	221,000	0		0461	TSF FRM REV FUND-PAYGO	191,000
2026	221,000	221,000	0				
2027	221,000	221,000	0				
	2,120,000	2,120,000	0				
LTD Amount: 0		Total Project Cost: 2,120,000					
				</			

Related Projects			Operating Impacts	
Year Identified	Start Date	Useful Life	Manager	Completion Date
2018	Jan 1, 2018	25 Years	Domenic Schiavone	Dec 31, 2018

Number:	6371RD	Scenario:	Main
Title:	Bridge Rehab 2018 On-going	Project Stage:	Committee of Council Review
Asset Type:	Asset Improvement and Maintenance (General)	Strategic Plans:	Infrastructure / Sustainability, Maintenance
Division:	Capital - Engineering, Environmental & Works	Project Type:	
Budget Year:	2018	Active:	Yes

Description				Comments			
The program provides for bridge related rehabilitation repairs for minor deficiencies in the City's bridges, pedestrian bridges and major culverts to capture additional life expectancy and maintain service to the public. There are currently more than 100 structures being maintained through this funding.				These works are considered a critical priority in order to provide safety to the public which can include the rehabilitation of certain components of the bridge or its surroundings to extend its service life such as concrete patch repairs, guide rail repairs, asphalt and sidewalk repairs, etc.			
Scenario Description				Scenario Comments			
Forecast				Project Detailed 2018			
Budget Year	Total Expense	Total Revenue	Difference	GL Account	Description	Total Amount	
2018	206,000	206,000	0	Expense			
2019	212,000	212,000	0	3425	CONSTRUCTION CONTRACT	196,190	
2020	218,000	218,000	0	4005	INTERNAL INTEREST CHARGES	6,720	
2021	225,000	225,000	0	7010	ADMINISTRATON & OVERHEAD	3,090	
2022	232,000	232,000	0			Total Expense:	206,000
2023	239,000	239,000	0	Revenue			
2024	246,000	246,000	0	0461	TSF FRM REV FUND-PAYGO	206,000	
2025	253,000	253,000	0			Total Revenue:	206,000
2026	261,000	261,000	0				
2027	269,000	269,000	0				
2,361,000		2,361,000	0				
LTD Amount: 0		Total Project Cost: 2,361,000					
Related Projects				Operating Impacts			
Year Identified	Start Date	Useful Life	Manager			Completion Date	
2018	Jan 1, 2018	TBD	Reid Porter			Dec 31, 2018	

Number:	6372RD	Scenario:	Main
Title:	Downtown Roads Maintenance 2018 On-going	Project Stage:	Committee of Council Review
Asset Type:	Asset Improvement and Maintenance (General)	Strategic Plans:	Maintenance
Division:	Capital - Engineering, Environmental & Works	Project Type:	
Budget Year:	2018	Active:	Yes

Description				Comments			
The project provides for an on-going program of downtown roads maintenance and upgrades.				The 2018 program will include the continuing upgrades to roads, line painting, traffic signals, and sidewalks in the downtown core.			
Scenario Description				Scenario Comments			
Forecast				Project Detailed 2018			
Budget Year	Total Expense	Total Revenue	Difference	GL Account	Description	Total Amount	
2018	94,000	94,000	0	Expense			
2019	97,000	97,000	0	3425	CONSTRUCTION CONTRACT	89,524	
2020	100,000	100,000	0	4005	INTERNAL INTEREST CHARGES	3,066	
2021	103,000	103,000	0	7010	ADMINISTRATON & OVERHEAD	1,410	
2022	106,000	106,000	0			Total Expense:	94,000
2023	109,000	109,000	0	Revenue			
2024	109,000	109,000	0	0461	TSF FRM REV FUND-PAYGO	94,000	
2025	109,000	109,000	0			Total Revenue:	94,000
2026	109,000	109,000	0				
2027	109,000	109,000	0				
	1,045,000	1,045,000	0				
LTD Amount: 0		Total Project Cost: 1,045,000					
Related Projects				Operating Impacts			
Year Identified	Start Date	Useful Life		Manager		Completion Date	
2018	Jan 1, 2018	25 Years		Domenic Schiavone		Dec 31, 2018	

Number:	6374RF	Scenario:	Main
Title:	Aquatic Centre Rehab Program 2018 On-going	Project Stage:	Committee of Council Review
Asset Type:	Asset Improvement and Maintenance (General)	Strategic Plans:	Infrastructure / Sustainability, Maintenance
Division:	Capital - Community Services	Project Type:	
Budget Year:	2018	Active:	Yes

Description	Comments
The program provides for the rehabilitation and enhancements of North Bay's Aquatic Centre as per the Lifecycle Plan.	In 2018 the roof over the Aquatic Centre pools with be replaced.

Scenario Description	Scenario Comments
	<p>The following details support the Capital Forecast for 2019 to 2027:</p> <p>2019 includes the replacement of the roof Phase Two, boilers and general rehabilitation.</p> <p>2020 includes the replacement of the fans, actuators, pumps, the completion of a structural integrity report.</p> <p>2021 includes the retiling of the lobby and change rooms and general rehabilitation.</p> <p>2022 includes the retiling of the pool and decking, painting and general rehabilitation.</p> <p>2023 includes the replacement of the sand filters, actuators, pumps and general rehabilitation.</p> <p>2024 includes the painting of the lobby, mechanical replacement and general rehabilitation.</p> <p>2025 includes mechanical replacement and general rehabilitation.</p> <p>2026 includes HRC #1 replacement and general rehabilitation.</p> <p>2027 includes HRC #2 replacement and general rehabilitation.</p>

Forecast			
Budget Year	Total Expense	Total Revenue	Difference
2018	200,000	200,000	0
2019	295,000	295,000	0
2020	100,000	100,000	0
2021	150,000	150,000	0
2022	105,000	105,000	0
2023	110,000	110,000	0
2024	115,000	115,000	0
2025	120,000	120,000	0
2026	125,000	125,000	0
2027	130,000	130,000	0
<hr/>			
	1,450,000	1,450,000	0
<hr/>			
LTD Amount: 0		Total Project Cost: 1,450,000	

Project Detailed 2018		
GL Account	Description	Total Amount
Expense		
3425	CONSTRUCTION CONTRACT	190,476
4005	INTERNAL INTEREST CHARGES	6,524
7010	ADMINISTRATON & OVERHEAD	3,000
Total Expense:		200,000
Revenue		
0461	TSF FRM REV FUND-PAYGO	200,000
Total Revenue:		200,000

Related Projects			Operating Impacts	
Year Identified	Start Date	Useful Life	Manager	Completion Date
2018	Jan 1, 2018	10 to 30 Years	David Jackowski	Dec 31, 2018

Number:	6375GG	Scenario:	Main
Title:	City Hall Building Rehab 2018 On-going	Project Stage:	Committee of Council Review
Asset Type:	Asset Improvement and Maintenance (General)	Strategic Plans:	Infrastructure / Sustainability, Maintenance
Division:	Capital - Community Services	Project Type:	
Budget Year:	2018	Active:	Yes

Description	Comments
The project provides for on-going maintenance, repairs and improvements to City Hall. Includes but not limited to; window maintenance and repairs, flooring replacement, roof safety guards and ladder system installation identified as a safety concern, washroom upgrades. Changing priorities could impact the schedule. This does not include upgrades for accessibility purposes.	This project does not include any major reconfigurations. In 2018, the program includes roof replacement and general rehabilitation.

Scenario Description	Scenario Comments
	The following details support the Capital Forecast for 2019 to 2027: 2019 includes the cooling sump replacement, 6th floor HVAC BAS and general rehabilitation. 2020 includes the main power transfer switch, window blinds and general rehabilitation. 2021 includes domestic hot water supply system, plumbing riser and general rehabilitation. 2022 includes electrical upgrades, emergency system additions, generator stationary bank load tester and general rehabilitation. 2023 includes eyewash station upgrades for basement and penthouse, cooling tower upgrades and general rehabilitation. 2024 includes upgrade baseboard controls, heat exchanger penthouse and general rehabilitation. 2025 includes eco flush toilets, directional signs and general rehabilitation. 2026 includes flooring replacement, emergency lighting and general rehabilitation. 2027 includes window replacement, pump replacement, actuator replacement and general rehabilitation.

Forecast				Project Detailed 2018			
Budget Year	Total Expense	Total Revenue	Difference	GL Account	Description	Total Amount	
2018	400,000	400,000	0	Expense			
2019	105,000	105,000	0		3130	CONSULTANT FEES	95,238
2020	108,000	108,000	0		3425	CONSTRUCTION CONTRACT	285,714
2021	111,000	111,000	0		4005	INTERNAL INTEREST CHARGES	13,048
2022	114,000	114,000	0		7010	ADMINISTRATON & OVERHEAD	6,000
2023	117,000	117,000	0				
2024	120,000	120,000	0	Revenue			
2025	123,000	123,000	0		0461	TSF FRM REV FUND-PAYGO	400,000
2026	126,000	126,000	0				
2027	129,000	129,000	0				
	1,453,000	1,453,000	0				
LTD Amount: 0				Total Project Cost: 1,453,000			

Related Projects			Operating Impacts	
Year Identified	Start Date	Useful Life	Manager	Completion Date
2018	Jan 1, 2018	15 Years	David Jackowski	Dec 31, 2018

Number:	6376RF	Scenario:	Main
Title:	Memorial Gardens Rehab 2018 On-going	Project Stage:	Committee of Council Review
Asset Type:	Asset Improvement and Maintenance (General)	Strategic Plans:	Infrastructure / Sustainability, Maintenance
Division:	Capital - Community Services	Project Type:	
Budget Year:	2018	Active:	Yes

Description	Comments
The program provides for continued rehabilitation plant and property improvements for Memorial Gardens Arena per the 2016 Structural Assessment, Industry Best Practices as well as operational and programming requirements.	In 2018 the program includes energy efficiency upgrades and Hall of Fame washroom upgrades.

Scenario Description	Scenario Comments
	<p>The following details support the Capital Forecast for 2019 to 2027:</p> <p>2019 HVAC and heat recovery for washrooms.</p> <p>2020 Structural integrity report // public space enhancements</p> <p>2021 Replace Plexiglas // ice plant quinquennial maintenance</p> <p>2022 Condenser replacement.</p> <p>2023 Lighting // public washroom upgrades.</p> <p>2024 Building storage // Main lobby floor refinishing.</p> <p>2025 Chiller replacement // plexi // general rehab.</p> <p>2026 Ice plant replacement (compressors and motors) // general rehab.</p> <p>2027 HVAC Unit renewals</p>

Forecast				Project Detailed 2018			
Budget Year	Total Expense	Total Revenue	Difference	GL Account	Description	Total Amount	
2018	300,000	300,000	0	Expense			
2019	300,000	300,000	0		3425	CONSTRUCTION CONTRACT	285,714
2020	300,000	300,000	0		4005	INTERNAL INTEREST CHARGES	9,786
2021	300,000	300,000	0		7010	ADMINISTRATON & OVERHEAD	4,500
2022	300,000	300,000	0			Total Expense:	300,000
2023	300,000	300,000	0	Revenue			
2024	300,000	300,000	0		0461	TSF FRM REV FUND-PAYGO	300,000
2025	200,000	200,000	0			Total Revenue:	300,000
2026	200,000	200,000	0				
2027	300,000	300,000	0				
	2,700,000	2,700,000	0				
LTD Amount: 0				Total Project Cost: 2,700,000			

Related Projects			Operating Impacts	
Year Identified	Start Date	Useful Life	Manager	Completion Date
2018	Jan 1, 2018	20 Years	David Jackowski	Dec 31, 2018

Number:	6377RF	Scenario:	Main
Title:	Pete Palangio Rehab Program 2018 On-going	Project Stage:	Committee of Council Review
Asset Type:	Asset Improvement and Maintenance (General)	Strategic Plans:	Infrastructure / Sustainability, Maintenance
Division:	Capital - Community Services	Project Type:	
Budget Year:	2018	Active:	Yes

Description	Comments
The program provides for continued plant and property improvements for the Pete Palangio Arena (PP) as per the 2016 Structural Assessment, Industry Best Practices and Processes as well as operational and programming requirements.	In 2018, the project will include PP building exterior rehabilitation and general rehabilitation.

Scenario Description	Scenario Comments
	<p>The following details support the Capital Forecast for 2019 to 2027:</p> <p>2019 Base building updates (public areas)</p> <p>2020 Ice plant chiller and super heater // structural integrity report // MURF update.</p> <p>2021 Electrical System Rejuvenation.</p> <p>2022 Board replacement.</p> <p>2023 Base Building Renovations (office areas) //lift replacement</p> <p>2024 Score clocks // Sound systems.</p> <p>2025 Structural integrity report // accessibility improvements.</p> <p>2026 HVAC asset renewals</p> <p>2027 Base bldg. updates (rental and utility space) //</p>

Forecast				Project Detailed 2018				
Budget Year	Total Expense	Total Revenue	Difference	GL Account	Description	Total Amount		
2018	250,000	250,000	0	Expense				
2019	250,000	250,000	0		3425	CONSTRUCTION CONTRACT	238,095	
2020	250,000	250,000	0		4005	INTERNAL INTEREST CHARGES	8,155	
2021	250,000	250,000	0		7010	ADMINISTRATON & OVERHEAD	3,750	
2022	250,000	250,000	0			Total Expense:	250,000	
2023	250,000	250,000	0	Revenue				
2024	150,000	150,000	0		0461	TSF FRM REV FUND-PAYGO	250,000	
2025	150,000	150,000	0				Total Revenue:	250,000
2026	250,000	250,000	0					
2027	250,000	250,000	0					
	2,300,000	2,300,000	0					
LTD Amount: 0		Total Project Cost: 2,300,000						

Related Projects			Operating Impacts	
Year Identified	Start Date	Useful Life	Manager	Completion Date
2018	Jan 1, 2018	TBD	David Jackowski	Dec 31, 2018

Number:	6378MR	Scenario:	Main
Title:	King's Landing and Marina Rehab Program 2018 On-going	Project Stage:	Committee of Council Review
Asset Type:	Asset Improvement and Maintenance (General)	Strategic Plans:	Infrastructure / Sustainability
Division:	Capital - Community Services	Project Type:	
Budget Year:	2018	Active:	Yes

Description	Comments
The program provides for the rehabilitation of King's Landing and the Marina's buildings and docks as presented in the 2005 Building Condition Report.	In 2018, the project will fund dredging of the marina and boat slip repairs. The budget forecasts currently exclude repair and maintenance costs related to King's Landing pending Council's decision on whether to rehabilitate King's Landing or construct a new pier; required budget dollars are in project 3518PR.

Scenario Description	Scenario Comments
	The following details support the Capital Forecast for 2019 to 2027: 2019 Boat slip repairs. 2020 Boat slip repairs // dive inspections for anchors and chains 2021 Boat slip repairs. 2022 Septic pump-out replacement // break wall rehab. 2023 King's Landing decking or funds will be reallocated to marina energy upgrades based on Council's decision on the pier redevelopment. 2024 Dredge // dock rehab - green dock. 2025 Break wall dock. 2026 Boat slip repairs 2027 Boat slip repairs

Forecast				Project Detailed 2018		
Budget Year	Total Expense	Total Revenue	Difference	GL Account	Description	Total Amount
2018	150,000	150,000	0	Expense		
2019	100,000	100,000	0	3425	CONSTRUCTION CONTRACT	142,857
2020	100,000	100,000	0	4005	INTERNAL INTEREST CHARGES	4,893
2021	90,000	90,000	0	7010	ADMINISTRATON & OVERHEAD	2,250
2022	150,000	150,000	0			
2023	200,000	200,000	0			
2024	150,000	150,000	0	Revenue		
2025	150,000	150,000	0	0461	TSF FRM REV FUND-PAYGO	150,000
2026	100,000	100,000	0			
2027	100,000	100,000	0			
	1,290,000	1,290,000	0			
LTD Amount: 0				Total Project Cost: 1,290,000		

Related Projects			Operating Impacts	
Year Identified	Start Date	Useful Life	Manager	Completion Date
2018	Jan 1, 2018	TBD	David Jackowski	Dec 31, 2018

Number:	6379PK	Scenario:	Main
Title:	Parking Lot Maintenance and Improvement Program 2018 On-going	Project Stage:	Committee of Council Review
Asset Type:	Asset Improvement and Maintenance (General)	Strategic Plans:	Infrastructure / Sustainability, Maintenance
Division:	Capital - Community Services	Project Type:	
Budget Year:	2018	Active:	Yes

Description				Comments			
The project is to provide for the on-going improvements and maintenance of parking lots and facilities including lighting, asphalt replacement, drainage, etc.				The program includes ongoing maintenance of all surface lots and the parking garage. Improvements to surface lots include items such as the rehabilitation and maintenance of asphalt surfaces, guardrails, lighting and storm water systems. Improvements to the parking garage include items such as asphalt and waterproofing membrane surface maintenance, concrete structural maintenance, water drainage systems, lighting, stairwell maintenance and painting.			
Scenario Description				Scenario Comments			
Forecast				Project Detailed 2018			
Budget Year	Total Expense	Total Revenue	Difference	GL Account	Description	Total Amount	
2018	50,000	50,000	0	Expense			
2019	50,000	50,000	0	3425	CONSTRUCTION CONTRACT	47,619	
2020	50,000	50,000	0	4005	INTERNAL INTEREST CHARGES	1,631	
2021	50,000	50,000	0	7010	ADMINISTRATON & OVERHEAD	750	
2022	50,000	50,000	0		Total Expense:	50,000	
2023	50,000	50,000	0	Revenue			
2024	50,000	50,000	0	0461	TSF FRM REV FUND-PAYGO	50,000	
2025	50,000	50,000	0		Total Revenue:	50,000	
2026	50,000	50,000	0				
2027	55,000	55,000	0				
	505,000	505,000	0				
LTD Amount: 0		Total Project Cost: 505,000					
Related Projects				Operating Impacts			
Year Identified	Start Date	Useful Life		Manager		Completion Date	
2018	Jan 1, 2018	TBD		David Jackowski		Dec 31, 2018	

Number:	6380PK	Scenario:	Main
Title:	Parking Equipment Program 2018 On-going	Project Stage:	Committee of Council Review
Asset Type:	Asset Improvement and Maintenance (General)	Strategic Plans:	Vehicle / Equipment Replacement
Division:	Capital - Community Services	Project Type:	
Budget Year:	2018	Active:	Yes

Description		Comments				
The project provides for the purchase of parking equipment such as parking meters, Pay and Display machines and maintenance equipment to support parking operations.		Replacement of all of the on-street parking meters are occurring from 2014 to 2018 with an annual budget allocation of \$50,000. Replacement of single parking meters may be offset by the purchase of Pay 'n Display machines. The life span of Pay 'n Display equipment is maximized through the purchase of extended warranties. In 2018, the program includes the continuation of the pay and display replacement program.				
Scenario Description		Scenario Comments				
		The following details support the Capital Forecast for 2019 to 2027: 2019 Pay and Display Replacement and Parking Maintenance Equipment 2022 Pay and Display Replacement and Parking Maintenance Equipment 2025 Pay and Display Replacement and Parking Maintenance Equipment				
Forecast		Project Detailed 2018				
Budget Year	Total Expense	Total Revenue	Difference	GL Account	Description	Total Amount
2018	50,000	50,000	0	Expense		
2019	125,000	125,000	0	4005	INTERNAL INTEREST CHARGES	1,631
2022	125,000	125,000	0	5010	MACHINERY & EQUIPMENT	47,619
2025	125,000	125,000	0	7010	ADMINISTRATON & OVERHEAD	750
	425,000	425,000	0		Total Expense:	50,000
LTD Amount: 0		Total Project Cost: 425,000		Revenue		
				0461	TSF FRM REV FUND-PAYGO	50,000
					Total Revenue:	50,000
Related Projects		Operating Impacts				
Year Identified	Start Date	Useful Life	Manager	Completion Date		
2018	Jan 1, 2018	5 to 15 Years	David Jackowski	Dec 31, 2018		

Number:	6381PR	Scenario:	Main
Title:	Parks Building Rehab 2018 On-going	Project Stage:	Committee of Council Review
Asset Type:	Asset Improvement and Maintenance (General)	Strategic Plans:	Infrastructure / Sustainability, Maintenance
Division:	Capital - Community Services	Project Type:	
Budget Year:	2018	Active:	Yes

Description	Comments
The program provides for the rehabilitation and/or replacement of the City's park buildings. It also includes considerations for accessibility and energy efficiencies.	In 2018 this project will fund the Bourke building rehabilitation, Sunset picnic shelter construction and general rehabilitation of park buildings.

Scenario Description	Scenario Comments
	The following details support the Capital Forecast for 2019 to 2027: 2019 Amelia washroom rehab // Champlain picnic shelter // general rehab 2020 CWF Park Pavilion // Birchaven Park rink shack // general rehab 2021 Marathon Beach building rehab // general rehab 2022 Central City/Waterfront maintenance building // general rehab 2023 Storage building // 330 Main East demolition // general rehab 2024 to 2017 Parks building rehabilitation // general rehab

Forecast				Project Detailed 2018		
Budget Year	Total Expense	Total Revenue	Difference	GL Account	Description	Total Amount
2018	350,000	350,000	0	Expense		
2019	350,000	350,000	0	3430	MAINTENANCE CONTRACT	333,333
2020	350,000	350,000	0	4005	INTERNAL INTEREST CHARGES	11,417
2021	300,000	300,000	0	7010	ADMINISTRATON & OVERHEAD	5,250
2022	300,000	300,000	0		Total Expense:	350,000
2023	350,000	350,000	0	Revenue		
2024	200,000	200,000	0	0461	TSF FRM REV FUND-PAYGO	350,000
2025	200,000	200,000	0		Total Revenue:	350,000
2026	200,000	200,000	0			
2027	200,000	200,000	0			
	2,800,000	2,800,000	0			
LTD Amount: 0				Total Project Cost: 2,800,000		

Related Projects			Operating Impacts	
Year Identified	Start Date	Useful Life	Manager	Completion Date
2018	Jan 1, 2018	TBD	David Jackowski / David Schroeder	Dec 31, 2018

Number:	6382RF	Scenario:	Main
Title:	Recreation Facilities Rehab and Development 2018 On-going	Project Stage:	Committee of Council Review
Asset Type:	Asset Improvement and Maintenance (General)	Strategic Plans:	Infrastructure / Sustainability, Maintenance
Division:	Capital - Community Services	Project Type:	
Budget Year:	2018	Active:	Yes

Description		Comments	
The program provides for the rehabilitation of the outdoor sport facilities to maintain safe playing areas for the public and for the development of recreation facilities based on programming needs and future recreation trends.		In 2018 this program includes Handley & Kelly ball field rehabilitation, the turf rehabilitation program, infield renovations and general rehabilitation.	
Scenario Description		Scenario Comments	
		The following details support the Capital Forecast for 2019 to 2027: 2019 Centennial & Phillips ball field renovations // turf rehab program // infield renovation program 2020 Amelia fields renovation // turf rehab program // infield renovation program // lighting // fencing 2021 Johnson field renovation // turf rehab program // infield renovation program // lighting // fencing 2022 Field renovations // turf rehab program // infield renovation program // lighting // fencing 2023 to 2027 Field renovations // turf rehab program // infield renovation program // lighting // fencing	
Forecast		Project Detailed 2018	
Budget Year	Total Expense	Total Revenue	Difference
2018	550,000	550,000	0
2019	600,000	600,000	0
2020	650,000	650,000	0
2021	700,000	700,000	0
2022	750,000	750,000	0
2023	800,000	800,000	0
2024	800,000	800,000	0
2025	800,000	800,000	0
2026	800,000	800,000	0
2027	800,000	800,000	0
	7,250,000	7,250,000	0
LTD Amount: 0		Total Project Cost: 7,250,000	
GL Account		Description	
Expense		Total Amount	
3430		MAINTENANCE CONTRACT	523,810
4005		INTERNAL INTEREST CHARGES	17,940
7010		ADMINISTRATON & OVERHEAD	8,250
		Total Expense:	550,000
Revenue			
0461		TSF FRM REV FUND-PAYGO	550,000
		Total Revenue:	550,000
Related Projects		Operating Impacts	
Year Identified	Start Date	Useful Life	Manager
2018	Jan 1, 2018	TBD	David Schroeder
		Completion Date	
		Dec 31, 2018	

Number:	6383PR	Scenario:	Main
Title:	Sportsfield Complex Development and Rehab 2018 On-going	Project Stage:	Committee of Council Review
Asset Type:	Asset Improvement and Maintenance (General)	Strategic Plans:	Infrastructure / Sustainability, Maintenance
Division:	Capital - Community Services	Project Type:	
Budget Year:	2018	Active:	Yes

Description		Comments		
The program provides for the rehabilitation of the Omischl Sports Field Complex to maintain safe playing areas for the public per operational and programming needs.		In 2018 this project will fund portable outfield fence, landscaping and general rehabilitation. The artificial turf (carpet & infill only) has an 8 year warranty with a 10 to 20 expected useful life span.		
Scenario Description		Scenario Comments		
		The following details support the Capital Forecast for 2019 to 2027: 2019 Portable outfield fencing // landscaping // general rehab. 2020 Artificial turf replacement - soccer field // shade structures // general rehab. 2021 Artificial turf replacement - soccer field // shade structures // general rehab. 2022 Baseball field washroom // landscaping // furnishings // general rehab. 2023 to 2027 includes the rehabilitation of the Sports Field Complex facilities.		
Forecast		Project Detailed 2018		
Budget Year	Total Expense	Total Revenue	Difference	GL Account Description Total Amount
2018	52,000	52,000	0	Expense
2019	54,000	54,000	0	3430 MAINTENANCE CONTRACT 49,524
2020	756,000	756,000	0	4005 INTERNAL INTEREST CHARGES 1,696
2021	758,000	758,000	0	7010 ADMINISTRATON & OVERHEAD 780
2022	60,000	60,000	0	Total Expense: 52,000
2023	62,000	62,000	0	Revenue
2024	64,000	64,000	0	0461 TSF FRM REV FUND-PAYGO 52,000
2025	66,000	66,000	0	Total Revenue: 52,000
2026	68,000	68,000	0	
2027	70,000	70,000	0	
	2,010,000	2,010,000	0	
LTD Amount: 0		Total Project Cost: 2,010,000		
Related Projects		Operating Impacts		
Year Identified	Start Date	Useful Life	Manager	Completion Date
2018	Jan 1, 2018	20 Years	David Schroeder	Dec 31, 2018

Number:	6384PR	Scenario:	Main
Title:	Parks and Playground Rehab Program 2018 On-going	Project Stage:	Committee of Council Review
Asset Type:	Asset Improvement and Maintenance (General)	Strategic Plans:	Infrastructure / Sustainability, Maintenance
Division:	Capital - Community Services	Project Type:	
Budget Year:	2018	Active:	Yes

Description		Comments	
The program provides for the rehabilitation of the City's parks and playgrounds to meet current standards and programming requirements. And provides for the management and preservation of the natural environment (i.e. tree planting).		In 2018, program includes the Portage park and playground rehabilitation, Olmstead beach rehabilitation, landscaping and general rehabilitation.	
Scenario Description		Scenario Comments	
		The following details support the Capital Forecast for 2019 to 2027: 2019 Maple Ridge playground // Birchaven Cove rehab // landscaping // general rehab 2020 Armstrong playground // Police park rehab // landscaping // general rehab 2021 Kenwood Hills playground // Kenwood Hills park rehab // landscaping // general rehab 2022 Veronica playground // park rehab // landscaping // general rehab 2023 Feronia playground // park rehab // landscaping // general rehab 2024 Circle Lake playground // park rehab // landscaping // general rehab 2025 Belleview playground // Superior playground // landscaping // general rehab 2026 Lee Park junior playground // park rehab // general rehab 2027 Greenhill playground // West Ferris playground // landscaping and general rehab	
Forecast		Project Detailed 2018	
Budget Year	Total Expense	Total Revenue	Difference
2018	260,000	260,000	0
2019	268,000	268,000	0
2020	276,000	276,000	0
2021	284,000	284,000	0
2022	293,000	293,000	0
2023	302,000	302,000	0
2024	311,000	311,000	0
2025	320,000	320,000	0
2026	329,000	329,000	0
2027	338,000	338,000	0
	2,981,000	2,981,000	0
LTD Amount: 0		Total Project Cost: 2,981,000	
Related Projects		Operating Impacts	
Year Identified	Start Date	Useful Life	Manager
2018	Jan 1, 2018	TBD	David Schroeder
			Completion Date
			Dec 31, 2018

Number:	6385PR	Scenario:	Main
Title:	Waterfront Rehab Program 2018 On-going	Project Stage:	Committee of Council Review
Asset Type:	Asset Improvement and Maintenance (General)	Strategic Plans:	Infrastructure / Sustainability, Maintenance
Division:	Capital - Community Services	Project Type:	
Budget Year:	2018	Active:	Yes

Description		Comments	
The program provides for rehabilitation to the City's Waterfront Park. The program includes park lighting, benches, sidewalks, boardwalks, stairs, parking lots, fencing, irrigation, turf, trees, shrubs and furnishings.		2018 will provide for the extension of the south sidewalk, Marathon Beach erosion control, furnishing and general rehabilitation.	
Scenario Description		Scenario Comments	
		<p>The following details support the Capital Forecast for 2019 to 2027:</p> <p>2019 Extension of south sidewalk phase 2 // Marathon beach erosion control // furnishings // general rehab.</p> <p>2020 Extension of south sidewalk phase 3 //Golden Mile beach erosion control // furnishings // general rehab.</p> <p>2021 Upper Marathon parking lot rehab. // landscaping // furnishings // general rehab.</p> <p>2022 Mini train parking lot rehab. //landscaping // furnishings // general rehab.</p> <p>2023-2027 Hard surface rehab. // landscaping // furnishings // general rehab.</p>	
Forecast		Project Detailed 2018	
Budget Year	Total Expense	Total Revenue	Difference
2018	114,000	114,000	0
2019	117,000	117,000	0
2020	121,000	121,000	0
2021	125,000	125,000	0
2022	129,000	129,000	0
2023	133,000	133,000	0
2024	137,000	137,000	0
2025	141,000	141,000	0
2026	145,000	145,000	0
2027	149,000	149,000	0
	1,311,000	1,311,000	0
LTD Amount: 0		Total Project Cost: 1,311,000	
Related Projects		Operating Impacts	
Year Identified	Start Date	Useful Life	Manager
2018	Jan 1, 2018	TBD	David Schroeder
		Completion Date	
		Dec 31, 2018	

Number:	6386PR	Scenario:	Main
Title:	Central City Rehab Program 2018 On-going	Project Stage:	Committee of Council Review
Asset Type:	Asset Improvement and Maintenance (General)	Strategic Plans:	Maintenance
Division:	Capital - Community Services	Project Type:	
Budget Year:	2018	Active:	Yes

Description		Comments	
The program provides for the rehabilitation of the following Central City park locations: Downtown sidewalk repair, the Civic Plaza, Ferguson Block parkette, Memorial Park Cenotaph/Algonquin Regiment Cenotaph/Algonquin median planters, Fountain Parkette, Algonquin Hill planters, Oak Street planters and parking lot planters.		In 2018, projects include on-going sidewalk repairs, Algonquin Ave. planters, furnishings and general rehabilitation.	
Scenario Description		Scenario Comments	
		The following details support the Capital Forecast for 2019 to 2027: 2019 Sidewalk repairs // Algonquin Ave. planter rehab // furnishings // general rehab. 2020 Sidewalk repairs // Algonquin Parkette rehab// furnishings // general rehab. 2021 Sidewalk repairs // Algonquin Hill planter rehab // furnishings // general rehab. 2022 Sidewalk repairs // parking lot planter rehab. // furnishings // general rehab. 2023 to 2027 Sidewalk repairs // landscaping // furnishings // general rehabilitation.	
Forecast		Project Detailed 2018	
Budget Year	Total Expense	Total Revenue	Difference
2018	74,000	74,000	0
2019	76,000	76,000	0
2020	78,000	78,000	0
2021	80,000	80,000	0
2022	82,000	82,000	0
2023	84,000	84,000	0
2024	86,000	86,000	0
2025	88,000	88,000	0
2026	90,000	90,000	0
2027	92,000	92,000	0
	830,000	830,000	0
LTD Amount: 0		Total Project Cost: 830,000	
Related Projects		Operating Impacts	
Year Identified	Start Date	Useful Life	Manager
2018	Jan 1, 2018	TBD	David Schroeder
		Completion Date	
		Dec 31, 2018	

Number:	6387PR	Scenario:	Main
Title:	City Hall Grounds Rehab Program 2018 On-going	Project Stage:	Committee of Council Review
Asset Type:	Asset Improvement and Maintenance (General)	Strategic Plans:	Maintenance
Division:	Capital - Community Services	Project Type:	
Budget Year:	2018	Active:	Yes

Description		Comments	
The program provides for the rehabilitation of the City Hall grounds. The program includes: retaining walls, hard surfaces (sidewalks, stairs, parking lots), landscaping (turf, trees, shrubs, irrigation), furnishings (benches, picnic tables, waste receptacles, and bike racks) and lighting.		In 2018, the project includes improving drainage at the Leger Square entrance, replacing the flag pole bases and paving stone replacement in front of the council chamber ant McIntyre and Wyld Street.	
Scenario Description		Scenario Comments	
		The following details support the Capital Forecast for 2019 to 2027: 2019 Retaining wall rehab. // landscaping // furnishings // general rehab. 2020 Retaining wall rehab. // landscaping // furnishings // general rehab. 2021 Lower parking lot rehab. // landscaping // furnishings // general rehab. 2022 Upper Parking lot rehab. parking lot repair // landscaping // furnishings // general rehab. 2023 to 2027 Hard surface rehab. // landscaping // furnishings // general rehab.	
Forecast		Project Detailed 2018	
Budget Year	Total Expense	Total Revenue	Difference
2018	74,000	74,000	0
2019	76,000	76,000	0
2020	78,000	78,000	0
2021	80,000	80,000	0
2022	82,000	82,000	0
2023	84,000	84,000	0
2024	86,000	86,000	0
2025	88,000	88,000	0
2026	90,000	90,000	0
2027	92,000	92,000	0
	830,000	830,000	0
LTD Amount: 0		Total Project Cost: 830,000	
Related Projects		Operating Impacts	
Year Identified	Start Date	Useful Life	Manager
2018	Jan 1, 2018	TBD	David Schroeder/Robin Cameron
		Completion Date	
		Dec 31, 2018	

Number:	6388PR	Scenario:	Main
Title:	Trail and Supporting Hard Surfaces Rehab 2018 On-going	Project Stage:	Committee of Council Review
Asset Type:	Asset Improvement and Maintenance (General)	Strategic Plans:	Maintenance
Division:	Capital - Community Services	Project Type:	
Budget Year:	2018	Active:	Yes

Description				Comments			
The program provides for the rehabilitation of the 20+ kilometers of multi use and nature trails, pedestrian bridges, parks pathways, parking lots, service roads, outdoor rink surfaces and boat launches.				In 2018 the program includes the Lee Park service road rehabilitation, the Kate Paceway rehabilitation and general rehabilitation.			
Scenario Description				Scenario Comments			
				The following details support the Capital Forecast for 2019 to 2027: 2019 Lee Park service road rehab. phase 1 // Kate Paceway rehab // general rehab. 2020 Portage parking lot // Kate Paceway rehab // park pathways // general rehab. 2021 Olmstead parking lot // Kate Paceway rehab // park pathways // general rehab. 2022 Armstrong boat launch// Kate Paceway rehab // park pathways // general rehab. 2023 to 2027 Hard surface rehab. // Kate Paceway rehab // parking lots // service roads // general rehab.			
Forecast				Project Detailed 2018			
Budget Year	Total Expense	Total Revenue	Difference	GL Account	Description	Total Amount	
2018	223,000	223,000	0	Expense			
2019	229,000	229,000	0	3425	CONSTRUCTION CONTRACT	212,381	
2020	235,000	235,000	0	4005	INTERNAL INTEREST CHARGES	7,274	
2021	242,000	242,000	0	7010	ADMINISTRATON & OVERHEAD	3,345	
2022	549,000	549,000	0			Total Expense:	223,000
2023	256,000	256,000	0	Revenue			
2024	264,000	264,000	0	0461	TSF FRM REV FUND-PAYGO	223,000	
2025	272,000	272,000	0			Total Revenue:	223,000
2026	290,000	290,000	0				
2027	298,000	298,000	0				
	2,858,000	2,858,000	0				
LTD Amount: 0		Total Project Cost: 2,858,000					
Related Projects				Operating Impacts			
Year Identified	Start Date	Useful Life		Manager		Completion Date	
2018	Jan 1, 2018	TBD		David Schroeder		Dec 31, 2018	

Number:	6389PR	Scenario:	Main
Title:	Parks Equipment Replacement Program 2018 On-going	Project Stage:	Committee of Council Review
Asset Type:	Asset Improvement and Maintenance (General)	Strategic Plans:	Vehicle / Equipment Replacement
Division:	Capital - Community Services	Project Type:	
Budget Year:	2018	Active:	Yes

Description	Comments
The program provides for the Parks Department equipment replacement with input from the Fleet Management System.	<p>The program ensures that reliable equipment is available to assist the Department's maintenance and programming demands.</p> <p>In 2018 includes the purchase of a utility vehicle, a zero turn mower and small equipment</p>

Scenario Description	Scenario Comments
	<p>The following details support the Capital Forecast for 2019 to 2027:</p> <p>2019 includes the purchase of a utility vehicle, a zero turn mower and small equipment.</p> <p>2020 includes the purchase of a utility vehicle, Sports Complex equipment and small equipment.</p> <p>2021 includes the purchase of a utility vehicle and small equipment.</p> <p>2022 includes the purchase of a utility vehicle, Sports Complex equipment and small equipment</p> <p>2023 to 2027 equipment purchases based on parks equipment replacement schedule with input from FMS.</p>

Forecast				Project Detailed 2018		
Budget Year	Total Expense	Total Revenue	Difference	GL Account	Description	Total Amount
2018	61,000	61,000	0	Expense		
2019	63,000	63,000	0	4005	INTERNAL INTEREST CHARGES	1,990
2020	65,250	65,250	0	5010	MACHINERY & EQUIPMENT	58,095
2021	67,000	67,000	0	7010	ADMINISTRATON & OVERHEAD	915
2022	69,000	69,000	0			
2023	71,000	71,000	0			
2024	74,000	74,000	0	Revenue		
2025	76,000	76,000	0	0461	TSF FRM REV FUND-PAYGO	61,000
2026	77,650	77,650	0			
2027	80,000	80,000	0			
	703,900	703,900	0			
LTD Amount: 0				Total Project Cost: 703,900		

Related Projects			Operating Impacts	
Year Identified	Start Date	Useful Life	Manager	Completion Date
2018	Jan 1, 2018	TBD	David Schroeder	Dec 31, 2018

Number:	6390AT	Scenario:	Main
Title:	North Bay Jack Garland Airport 2018 On-going	Project Stage:	Committee of Council Review
Asset Type:	Asset Improvement and Maintenance (General)	Strategic Plans:	Infrastructure / Sustainability
Division:	Capital - Community Services	Project Type:	
Budget Year:	2018	Active:	Yes

Description	Comments
The project is designed to provide for on-going repairs and maintenance at the Jack Garland Airport	The airport prepares a Capital Plan which indicates the total estimated costs and the amount of funding that is required by the City. This budget represents only the portion that is funded by the City. The 2018 program includes the rehabilitation of Runway 18-36, a plow truck replacement and rehab of Terminal dome roof.

Scenario Description	Scenario Comments
	<p>The following details support the Capital Forecast for 2018 to 2027: 2019 includes the rehabilitation of Runway 18-36, terminal LED lighting retrofit, replacement of the administration building's heating system, vehicle replacement and equipment replacement. 2020 includes additions to the 2 bay pull thru truck and sweeper building, vehicle replacement and equipment replacement. 2021 to 2027 includes resurfacing and repairs, vehicle replacement, computer and software replacement, cement repairs, administrative building rehabilitation, runway lighting replacement and equipment replacement.</p> <p>Note: Major rehabilitation of the runway 08/26 is expected in 2025 with a total estimated cost of \$11,500,000. City is anticipated to contribute 40% with the remainder to be funded by Transport Canada under the Airports Capital Assistance Program (ACAP).</p>

Forecast				Project Detailed 2018			
Budget Year	Total Expense	Total Revenue	Difference	GL Account	Description	Total Amount	
2018	785,000	785,000	0	Expense			
2019	2,217,592	2,217,592	0		4005	INTERNAL INTEREST CHARGES	25,606
2020	514,500	514,500	0		6092	TRANSFER TO AGENCIES-AIRPORT	747,619
2021	514,500	514,500	0		7010	ADMINISTRATON & OVERHEAD	11,775
2022	378,000	378,000	0		Total Expense:		785,000
2023	485,625	485,625	0	Revenue			
2024	383,250	383,250	0		0461	TSF FRM REV FUND-PAYGO	785,000
2025	5,250,000	5,250,000	0		Total Revenue:		785,000
2026	656,250	656,250	0				
2027	278,250	278,250	0				
	11,462,967	11,462,967	0				
LTD Amount: 0				Total Project Cost: 11,462,967			

Related Projects			Operating Impacts	
Year Identified	Start Date	Useful Life	Manager	Completion Date
2018	Jan 1, 2018	25 Years	John Severino	Dec 31, 2018

Number:	6391GG	Scenario:	Main
Title:	System Technology Program 2018 On-going	Project Stage:	Committee of Council Review
Asset Type:	Asset Improvement and Maintenance (General)	Strategic Plans:	Technology
Division:	Capital - Corporate Services	Project Type:	
Budget Year:	2018	Active:	Yes

Description				Comments			
The project is to provide the information and communication technology for the Corporation's Business Units at City Hall and 20 Remote Site Locations. This includes: computer hardware and software, mobile technology, telephony hardware and software, network infrastructure and security, Geographic Information Systems and network connectivity.				The project provides for implementation and replacements for the system technology utilization by the City based on cycles and annual requirements. In 2018, the program includes the replacement of servers for \$50,000, workstations for \$96,000, information systems for \$80,000, telephony and remote communications for \$90,000, printers for \$10,000, SAN Storage for \$85,000. security upgrades and replacements of \$65,000, enhancements of SunGard/Financial Systems for \$10,000, software licensing for \$85,000 and department priorities for \$20,000.			
Scenario Description				Scenario Comments			
Forecast				Project Detailed 2018			
Budget Year	Total Expense	Total Revenue	Difference	GL Account	Description	Total Amount	
2018	620,550	620,550	0	Expense			
2019	720,300	720,300	0	4005	INTERNAL INTEREST CHARGES	20,242	
2020	720,300	720,300	0	5030	COMPUTER H/WARE & S/WARE	195,000	
2021	720,300	720,300	0	5033	SOFTWARE UPGRADING	160,000	
2022	720,300	720,300	0	5036	WORKSTATIONS	96,000	
2023	720,300	720,300	0	5039	TELEPHONY	90,000	
2024	720,300	720,300	0	5043	SERVERS	50,000	
2025	720,300	720,300	0	7010	ADMINISTRATON & OVERHEAD	9,308	
2026	720,300	720,300	0			Total Expense:	620,550
2027	720,300	720,300	0	Revenue			
7,103,250		7,103,250	0	0461	TSF FRM REV FUND-PAYGO	620,550	
LTD Amount: 0		Total Project Cost: 7,103,250				Total Revenue:	620,550
Related Projects				Operating Impacts			
Year Identified	Start Date	Useful Life		Manager		Completion Date	
2018	Jan 1, 2018	4 Years		Scott Bradford		Dec 31, 2018	

Number:	6391WS	Scenario:	Main
Title:	System Technology Program 2018 On-going	Project Stage:	Committee of Council Review
Asset Type:	Asset Improvement and Maintenance (Water and Wastewater)	Strategic Plans:	Technology
Division:	Capital - Water	Project Type:	
Budget Year:	2018	Active:	Yes

Description		Comments		
The annual on-going project is to provide funding for the information and communication technology for the Water and Wastewater department. This includes computer hardware and software, telephony hardware and software, network infrastructure and connectivity. In addition other special IS projects related specifically to water and wastewater activities are also funded from this project.		This project represents the technology requirements for the water-related activities. This includes the information and communication technology to support the Water Treatment Plant, Wastewater Treatment Plant and the water networks including the System Control and Data Acquisition (SCADA) for the entire system to meet local, provincial and federal regulations. The water and wastewater SCADA system has reached a point where some of the computer hardware, software and infrastructure have reached the end of their useful lives. This is specialized hardware and software and it is integral to the ability to provide service as well as to ensure regulatory compliance. Changes to this system require significant attention to ensure hardware and software upgrades do not impact operation and/or regulatory compliance. Access to the SCADA system outside of normal working hours are required to ensure staff can monitor status, alarms and take action in a timely manner.		
Scenario Description		Scenario Comments		
Forecast		Project Detailed 2018		
Budget Year	Total Expense	Total Revenue	Difference	
2019	117,000	117,000	0	
2020	121,000	121,000	0	
2021	125,000	125,000	0	
2022	129,000	129,000	0	
2023	133,000	133,000	0	
2024	133,000	133,000	0	
2025	133,000	133,000	0	
2026	133,000	133,000	0	
2027	133,000	133,000	0	
	1,157,000	1,157,000	0	
LTD Amount: 0		Total Project Cost: 1,157,000		
Related Projects		Operating Impacts		
Year Identified	Start Date	Useful Life	Manager	Completion Date
2018	Jan 1, 2018	4 Years	Scott Bradford	Dec 31, 2018

Number:	6392OC	Scenario:	Main
Title:	Capitol Centre 2018 On-going	Project Stage:	Committee of Council Review
Asset Type:	Asset Improvement and Maintenance (General)	Strategic Plans:	Maintenance
Division:	Capital - Service Partners	Project Type:	
Budget Year:	2018	Active:	Yes

Description	Comments
The project provides for an on-going program of repairs and maintenance to the Capitol Centre.	The 2018 program includes the Phase 1 of the theatre roof replacement and internal meshing.

Scenario Description	Scenario Comments
	<p>The following details support the Capital Forecast for 2019 to 2027:</p> <p>2019 includes the Phase 2 of the theatre roof replacement.</p> <p>2020 includes the Tech equipment package-sandbags, stage masonite, air compressor, cables, storage cupboards, 2 small remote PA systems, lighting bars & upgrade, marketing upgrades, Liebert replacement, and painting/patching/balcony repairs.</p> <p>2021 includes a basement feasibility study, basement renovations for dinner-theatre/storage, equipment for dinner-theatre, lighting/sound for dinner-theatre, cabaret supplies.</p> <p>2022 includes additional cabaret furniture, fire & safety supply upgrades (extinguishers/hoses), internal marquees, painting of theatre, painting of gallery & main corridor, theatre light upgrades and enhancement, sandbag & rope replacement, replacement of front window cases/canopies(theatre & gallery, signage.</p> <p>2023 - 2027 includes structural, mechanical and electrical work.</p>

Forecast				Project Detailed 2018		
Budget Year	Total Expense	Total Revenue	Difference	GL Account	Description	Total Amount
2018	252,000	252,000	0	Expense		
2019	262,500	262,500	0	4005	INTERNAL INTEREST CHARGES	8,220
2020	210,000	210,000	0	6068	CAPITOL CENTRE	240,000
2021	210,000	210,000	0	7010	ADMINISTRATON & OVERHEAD	3,780
2022	210,000	210,000	0		Total Expense:	252,000
2023	210,000	210,000	0	Revenue		
2024	210,000	210,000	0	0461	TSF FRM REV FUND-PAYGO	252,000
2025	210,000	210,000	0		Total Revenue:	252,000
2026	210,000	210,000	0			
2027	210,000	210,000	0			
	2,194,500	2,194,500	0			
LTD Amount: 0				Total Project Cost: 2,194,500		

Related Projects			Operating Impacts	
Year Identified	Start Date	Useful Life	Manager	Completion Date
2018	Jan 1, 2018	N/A	Margaret Karpenko	Dec 31, 2018

Number:	6393CA	Scenario:	Main
Title:	North Bay Mattawa Conservation Authority 2018 On-going	Project Stage:	Committee of Council Review
Asset Type:	Asset Improvement and Maintenance (General)	Strategic Plans:	Maintenance
Division:	Capital - Service Partners	Project Type:	
Budget Year:	2018	Active:	Yes

Description				Comments		
The project provides for an on-going program of capital works undertaken by the North Bay Mattawa Conservation Authority (CA).				<p>The Conservation Authority's program includes the following:</p> <p>CA Lands /Trails - Activities in support of public access and use of CA owned properties including such things as trails, boardwalks, bridges, picnic tables, buildings, washrooms, signage, parking lots and roads. This also includes costs for the upkeep of the ski hill fixed assets.</p> <p>Watershed and Erosion Control Infrastructure - Activities to support major maintenance and capital improvements or repair to water and erosion control structures. In 2018 one Environmental Assessment and one Capital project on Chippewa Creek to be completed.</p> <p>Central Services - Capital or major maintenance in support of workshops, buildings, large vehicles and other types of structures or equipment required as part of the overall CA program.</p> <p>Integrated Watershed Management - Planning, technical studies and monitoring activities to determine types of hazard or natural heritage lands that the CA is responsible for managing or regulating including floodplain mapping, and watershed planning projects. In 2018 this includes initiation of the floodplain study for Chippewa Creek.</p> <p>Section 28 Regulations - Expenses related to the implementation of the Section 28 regulations of the CA.</p>		
Scenario Description				Scenario Comments		
Forecast				Project Detailed 2018		
Budget Year	Total Expense	Total Revenue	Difference	GL Account	Description	Total Amount
2018	873,817	873,817	0	Expense		
2019	1,007,528	1,007,528	0	4005	INTERNAL INTEREST CHARGES	28,503
2020	1,018,103	1,018,103	0	6067	CONSERVATION AUTHORITY	832,207
2021	1,058,147	1,058,147	0	7010	ADMINISTRATON & OVERHEAD	13,107
2022	1,033,838	1,033,838	0		Total Expense:	873,817
2023	1,044,473	1,044,473	0	Revenue		
2024	1,063,095	1,063,095	0	0461	TSF FRM REV FUND-PAYGO	873,817
2025	1,100,078	1,100,078	0		Total Revenue:	873,817
2026	1,107,755	1,107,755	0			
2027	1,114,584	1,114,584	0			
	10,421,418	10,421,418	0			
LTD Amount: 0				Total Project Cost: 10,421,418		
Related Projects				Operating Impacts		
Year Identified	Start Date	Useful Life		Manager		Completion Date
2018	Jan 1, 2018	N/A		Margaret Karpenko		Dec 31, 2018

Number:	6394PD	Scenario:	Main
Title:	North Bay Police Services 2018 On-going	Project Stage:	Committee of Council Review
Asset Type:	Asset Improvement and Maintenance (General)	Strategic Plans:	Infrastructure / Sustainability, Technology,...
Division:	Capital - Service Partners	Project Type:	
Budget Year:	2018	Active:	Yes

Description	Comments
The project provides for an on-going program of vehicle replacement and other capital programs.	The 2018 program includes vehicle replacements, CCTV audio/video replacement, purchase of handheld drug analyzer equipment, infrastructure/security upgrades and radio upgrades.

Scenario Description	Scenario Comments
	<p>The following details support the Capital Forecast for 2019 to 2027:</p> <p>2019 includes vehicle replacements, CEW replacements, Body Worn Video/in-Vehicle Video, building/infrastructure repairs and technology upgrades.</p> <p>2020 includes vehicle replacements, CEW replacements, Body Worn Video/in-Vehicle Video, building/infrastructure repairs and technology upgrades.</p> <p>2021 includes vehicle replacements, Body Worn Video/in-Vehicle Video, recording system replacement, building/infrastructure repairs and technology upgrades.</p> <p>2022 includes vehicle replacements, building/infrastructure repairs and technology upgrades.</p> <p>2023 to 2027 includes vehicle replacements, CEW replacements, radio system replacement, building/infrastructure repairs and technology upgrades.</p>

Forecast				Project Detailed 2018			
Budget Year	Total Expense	Total Revenue	Difference	GL Account	Description	Total Amount	
2018	878,850	878,850	0	Expense			
2019	840,000	840,000	0		4005	INTERNAL INTEREST CHARGES	28,667
2020	840,000	840,000	0		5010	MACHINERY & EQUIPMENT	237,000
2021	792,750	792,750	0		5025	VEHICLES	200,000
2022	656,250	656,250	0		5050	RADIO UPGRADES	400,000
2023	792,750	792,750	0		7010	ADMINISTRATON & OVERHEAD	13,183
2024	792,750	792,750	0			Total Expense:	878,850
2025	819,000	819,000	0	Revenue			
2026	819,000	819,000	0		0461	TSF FRM REV FUND-PAYGO	878,850
2027	819,000	819,000	0				Total Revenue:
	8,050,350	8,050,350	0				
LTD Amount: 0		Total Project Cost: 8,050,350					

Related Projects			Operating Impacts	
Year Identified	Start Date	Useful Life	Manager	Completion Date
2018	Jan 1, 2018	TBD	Shawn Devine	Dec 31, 2018

Number:	6395LB	Scenario:	Main
Title:	North Bay Public Library 2018 On-going	Project Stage:	Committee of Council Review
Asset Type:	Asset Improvement and Maintenance (General)	Strategic Plans:	Maintenance, Technology
Division:	Capital - Service Partners	Project Type:	
Budget Year:	2018	Active:	Yes

Description		Comments	
The project provides for an on-going program of repairs, maintenance and other capital needs at the North Bay Public Library.		The 2018 program includes rehabilitation of front library entrance steps, upgrade of audiovisual department lighting, cast iron drains replacements including ACM abatement where required, roof drains replacement, children's area roof rehabilitation, rehabilitation of critical asbestos floor coverings	
Scenario Description		Scenario Comments	
		The following details support the Capital Forecast for 2019 to 2027: 2019 includes painting, sealing library exterior brickwork, roof repairs, cast iron drain replacement. 2020 and 2021 includes the installation of new elevator, staircase and renovation of Audio-Visual Dept., upgrades to code re: AODA, building and electrical, general maintenance and painting. 2022-2027 includes review, replacement and enhancement of infrastructure, general maintenance and software/hardware replacements.	
Forecast		Project Detailed 2018	
Budget Year	Total Expense	Total Revenue	Difference
2018	200,000	200,000	0
2019	200,000	200,000	0
2020	500,000	500,000	0
2021	500,000	500,000	0
2022	200,000	200,000	0
2023	200,000	200,000	0
2024	200,000	200,000	0
2025	200,000	200,000	0
2026	200,000	200,000	0
2027	200,000	200,000	0
	2,600,000	2,600,000	0
LTD Amount: 0		Total Project Cost: 2,600,000	
GL Account		Description	Total Amount
Expense			
3425		CONSTRUCTION CONTRACT	190,476
4005		INTERNAL INTEREST CHARGES	6,524
7010		ADMINISTRATON & OVERHEAD	3,000
		Total Expense:	200,000
Revenue			
0461		TSF FRM REV FUND-PAYGO	200,000
		Total Revenue:	200,000
Related Projects		Operating Impacts	
Year Identified	Start Date	Useful Life	Manager
2018	Jan 1, 2018	TBD	Ravil Veli
		Completion Date	
		Dec 31, 2018	

Number:	6396SS	Scenario:	Main
Title:	Sewage Lift Stations 2018 On-going	Project Stage:	Committee of Council Review
Asset Type:	Asset Improvement and Maintenance (Water and Wastewater)	Strategic Plans:	Infrastructure / Sustainability, Maintenance,...
Division:	Capital - Sewer	Project Type:	
Budget Year:	2018	Active:	Yes

Description				Comments			
The project provides for an on-going program for emergency repairs and replacements at the sewage lift stations. Minor improvements to systems are also funded from this project.							
Scenario Description				Scenario Comments			
Forecast				Project Detailed 2018			
Budget Year	Total Expense	Total Revenue	Difference	GL Account	Description	Total Amount	
2018	50,000	50,000	0	Expense			
2019	50,000	50,000	0	3425	CONSTRUCTION CONTRACT	47,619	
2020	50,000	50,000	0	4005	INTERNAL INTEREST CHARGES	1,631	
2021	50,000	50,000	0	7010	ADMINISTRATON & OVERHEAD	750	
2022	50,000	50,000	0			Total Expense:	50,000
2023	50,000	50,000	0	Revenue			
2024	50,000	50,000	0	0461	TSF FRM REV FUND-PAYGO	50,000	
2025	50,000	50,000	0			Total Revenue:	50,000
2026	50,000	50,000	0				
2027	50,000	50,000	0				
		500,000	500,000				
LTD Amount: 0		Total Project Cost: 500,000					
Related Projects				Operating Impacts			
Year Identified	Start Date	Useful Life		Manager		Completion Date	
2018	Jan 1, 2018	10 to 15 Years		Domenic Schiavone		Dec 31, 2018	

Number:	6397WS	Scenario:	Main
Title:	Hydrant and Valve Rehab 2018 On-going	Project Stage:	Committee of Council Review
Asset Type:	Asset Improvement and Maintenance (Water and Wastewater)	Strategic Plans:	Infrastructure / Sustainability, Maintenance
Division:	Capital - Water	Project Type:	
Budget Year:	2018	Active:	Yes

Description				Comments			
The project provides for the on-going inspection, maintenance, rehabilitation, and replacement of fire hydrants in the city. The work is a legal requirement under the Fire Code and Ministry of Environment Regulations.				This project allows for annual inspection of all hydrants within the city.			
Scenario Description				Scenario Comments			
Forecast				Project Detailed 2018			
Budget Year	Total Expense	Total Revenue	Difference	GL Account	Description	Total Amount	
2018	191,000	191,000	0	Expense			
2019	197,000	197,000	0	1001	REGULAR SALARIES	145,524	
2020	203,000	203,000	0	2099	MISC. MATERIALS	36,381	
2021	209,000	209,000	0	4005	INTERNAL INTEREST CHARGES	6,230	
2022	215,000	215,000	0	7010	ADMINISTRATON & OVERHEAD	2,865	
2023	221,000	221,000	0		Total Expense:	191,000	
2024	221,000	221,000	0	Revenue			
2025	221,000	221,000	0	0461	TSF FRM REV FUND-PAYGO	191,000	
2026	221,000	221,000	0		Total Revenue:	191,000	
2027	221,000	221,000	0				
	2,120,000	2,120,000	0				
LTD Amount: 0		Total Project Cost: 2,120,000					
Related Projects				Operating Impacts			
Year Identified	Start Date	Useful Life		Manager		Completion Date	
2018	Jan 1, 2018	5 to 15 Years		Domenic Schiavone		Dec 31, 2018	

Number:	6398SS	Scenario:	Main
Title:	Sewer Emergency Repair/Rehab 2018 On-going	Project Stage:	Committee of Council Review
Asset Type:	Asset Improvement and Maintenance (Water and Wastewater)	Strategic Plans:	Infrastructure / Sustainability, Maintenance
Division:	Capital - Sewer	Project Type:	
Budget Year:	2018	Active:	Yes

Description		Comments	
The on-going program is designed to repair large identified deficiencies in the sanitary sewer system. These identified deficiencies are known liabilities that require on-going flushing and other maintenance to prevent backup.		Candidates are selected on an annual basis from the "bad sewer list" maintained by operational staff. Staff selects the sites that are causing the most amounts of problems and pose the highest risk should a backup occur.	

Scenario Description		Scenario Comments	

Forecast				Project Detailed 2018			
Budget Year	Total Expense	Total Revenue	Difference	GL Account	Description		Total Amount
2018	65,000	65,000	0	Expense			
2019	65,000	65,000	0	3425	CONSTRUCTION CONTRACT		61,905
2020	67,000	67,000	0	4005	INTERNAL INTEREST CHARGES		2,120
2021	69,000	69,000	0	7010	ADMINISTRATON & OVERHEAD		975
2022	71,000	71,000	0			Total Expense:	65,000
2023	73,000	73,000	0	Revenue			
2024	75,000	75,000	0	0461	TSF FRM REV FUND-PAYGO		65,000
2025	75,000	75,000	0			Total Revenue:	65,000
2026	75,000	75,000	0				
2027	75,000	75,000	0				
	710,000	710,000	0				
LTD Amount: 0		Total Project Cost: 710,000					

Related Projects			Operating Impacts	
Year Identified	Start Date	Useful Life	Manager	Completion Date
2018	Jan 1, 2018	10 to 20 Years	Domenic Schiavone	Dec 31, 2018

Number:	6398WS	Scenario:	Main
Title:	Water Emergency Repair/Rehab 2018 On-going	Project Stage:	Committee of Council Review
Asset Type:	Asset Improvement and Maintenance (Water and Wastewater)	Strategic Plans:	Infrastructure / Sustainability
Division:	Capital - Water	Project Type:	
Budget Year:	2018	Active:	Yes

Description				Comments			
The project provides for an on-going program to address unexpected large deficiencies identified within the water distribution system and is designed for emergency use.				The program allows staff to complete emergency upgrades and/or replacements to the existing water distribution system that suddenly arise but have not been scheduled for under the current 10 year capital budget.			
Scenario Description				Scenario Comments			
Forecast				Project Detailed 2018			
Budget Year	Total Expense	Total Revenue	Difference	GL Account	Description	Total Amount	
2018	65,000	65,000	0	Expense			
2019	65,000	65,000	0	3425	CONSTRUCTION CONTRACT	61,905	
2020	67,000	67,000	0	4005	INTERNAL INTEREST CHARGES	2,120	
2021	69,000	69,000	0	7010	ADMINISTRATON & OVERHEAD	975	
2022	69,000	69,000	0			Total Expense:	65,000
2023	73,000	73,000	0	Revenue			
2024	73,000	73,000	0	0461	TSF FRM REV FUND-PAYGO	65,000	
2025	73,000	73,000	0			Total Revenue:	65,000
2026	73,000	73,000	0				
2027	73,000	73,000	0				
	700,000	700,000	0				
LTD Amount: 0		Total Project Cost: 700,000					
Related Projects				Operating Impacts			
Year Identified	Start Date	Useful Life		Manager		Completion Date	
2018	Jan 1, 2018	10 to 20 Years		Domenic Schiavone		Dec 31, 2018	

Number:	6399WS	Scenario:	Main
Title:	Flush Watermains 2018 On-going	Project Stage:	Committee of Council Review
Asset Type:	Asset Improvement and Maintenance (Water and Wastewater)	Strategic Plans:	Infrastructure / Sustainability, Maintenance
Division:	Capital - Water	Project Type:	
Budget Year:	2018	Active:	Yes

Description				Comments			
The program provides for the on-going annual directional and dead end flushing of the City's watermains. The project is essential in order to extend the watermains' lifecycle and it allows the City to remain compliant with the Ministry of Environment Regulations. Funds are also used for infrastructure upgrades and when system deficiencies are noted.				The on-going program is designed to clean existing watermains thereby extending the lifecycle and identifying problem infrastructure that can then be repaired in non-emergency situations. The program is recommended as a best practice by the Ministry of Environment and Climate Change.			
Scenario Description				Scenario Comments			
Forecast				Project Detailed 2018			
Budget Year	Total Expense	Total Revenue	Difference	GL Account	Description	Total Amount	
2018	200,000	200,000	0	Expense			
2019	200,000	200,000	0	1001	REGULAR SALARIES	133,333	
2020	200,000	200,000	0	2099	MISC. MATERIALS	57,143	
2021	200,000	200,000	0	4005	INTERNAL INTEREST CHARGES	6,524	
2022	200,000	200,000	0	7010	ADMINISTRATON & OVERHEAD	3,000	
2023	200,000	200,000	0		Total Expense:	200,000	
2024	200,000	200,000	0	Revenue			
2025	200,000	200,000	0	0461	TSF FRM REV FUND-PAYGO	200,000	
2026	200,000	200,000	0		Total Revenue:	200,000	
2027	200,000	200,000	0				
	2,000,000	2,000,000	0				
LTD Amount: 0		Total Project Cost: 2,000,000					
Related Projects				Operating Impacts			
Year Identified	Start Date	Useful Life		Manager		Completion Date	
2018	Jan 1, 2018	10 to 20 Years		Domenic Schiavone		Dec 31, 2018	

Number:	6400WS	Scenario:	Main
Title:	Water Plant Maintenance 2018 On-going	Project Stage:	Committee of Council Review
Asset Type:	Asset Improvement and Maintenance (Water and Wastewater)	Strategic Plans:	Infrastructure / Sustainability, Maintenance
Division:	Capital - Water	Project Type:	
Budget Year:	2018	Active:	Yes

Description		Comments	
The project is to provide for an annual recurring maintenance program to keep the Water Treatment Plant operating within established regulations.		The maintenance requirements on the water facilities have decreased due to the installation of new infrastructure therefore this budget has been reduced to bi-annually.	
Scenario Description		Scenario Comments	
Forecast		Project Detailed 2018	
Budget Year	Total Expense	Total Revenue	Difference
2019	212,000	212,000	0
2021	300,000	300,000	0
2023	300,000	300,000	0
2025	300,000	300,000	0
2026	300,000	300,000	0
2027	300,000	300,000	0
	1,712,000	1,712,000	0
LTD Amount: 0		Total Project Cost: 1,712,000	
Related Projects		Operating Impacts	
Year Identified	Start Date	Useful Life	Manager
2018	Jan 1, 2019	10 to 20 Years	Karin Pratte
			Completion Date
			Dec 31, 2019

Number:	6401WS	Scenario:	Main
Title:	Watermain Replace/Ream/Reline 2018 On-going	Project Stage:	Committee of Council Review
Asset Type:	Asset Improvement and Maintenance (Water and Wastewater)	Strategic Plans:	Infrastructure / Sustainability, Maintenance
Division:	Capital - Water	Project Type:	
Budget Year:	2018	Active:	Yes

Description				Comments			
The 100 mm and 150 mm watermain are among the oldest pipes in the city's distribution system and have inadequate water supply for fire suppression and are often linked to dirty water because of excessive clogging. This on-going project provides for replacement of 100 mm watermain and replacement or re-lining of 150 mm watermain. This program is completed with city staff and equipment.				The 2018 program is currently under review.			
Scenario Description				Scenario Comments			
Forecast				Project Detailed 2018			
Budget Year	Total Expense	Total Revenue	Difference	GL Account	Description	Total Amount	
2018	191,000	191,000	0	Expense			
2019	197,000	197,000	0	3425	CONSTRUCTION CONTRACT	181,905	
2020	203,000	203,000	0	4005	INTERNAL INTEREST CHARGES	6,230	
2021	209,000	209,000	0	7010	ADMINISTRATON & OVERHEAD	2,865	
2022	215,000	215,000	0		Total Expense:	191,000	
2023	221,000	221,000	0	Revenue			
2024	221,000	221,000	0	0461	TSF FRM REV FUND-PAYGO	191,000	
2025	221,000	221,000	0		Total Revenue:	191,000	
2026	221,000	221,000	0				
2027	221,000	221,000	0				
	2,120,000	2,120,000	0				
LTD Amount: 0		Total Project Cost: 2,120,000					
Related Projects				Operating Impacts			
Year Identified	Start Date	Useful Life		Manager		Completion Date	
2018	Jan 1, 2018	15 to 30 Years		Domenic Schiavone		Dec 31, 2018	

Number:	6402RD	Scenario:	Main
Title:	Design Work Next Year's Projects 2018 On-going	Project Stage:	Committee of Council Review
Asset Type:	Asset Improvement and Maintenance (General)	Strategic Plans:	Infrastructure / Sustainability
Division:	Capital - Engineering, Environmental & Works	Project Type:	
Budget Year:	2018	Active:	Yes

Description	Comments
The project provides for preliminary engineering work required to enable design and construction of projects planned for the following year.	These works typically include pre-engineering activities such as geotechnical investigations and surveying or can include designs for small projects.

Scenario Description	Scenario Comments

Forecast			
Budget Year	Total Expense	Total Revenue	Difference
2018	66,000	66,000	0
2019	68,000	68,000	0
2020	70,000	70,000	0
2021	72,000	72,000	0
2022	74,000	74,000	0
2023	76,000	76,000	0
2024	78,000	78,000	0
2025	80,000	80,000	0
2026	82,000	82,000	0
2027	84,000	84,000	0
	750,000	750,000	0
LTD Amount: 0 Total Project Cost: 750,000			

Project Detailed 2018		
GL Account	Description	Total Amount
Expense		
3117	DESIGN FEES	62,857
4005	INTERNAL INTEREST CHARGES	2,153
7010	ADMINISTRATON & OVERHEAD	990
	Total Expense:	66,000
Revenue		
0461	TSF FRM REV FUND-PAYGO	66,000
	Total Revenue:	66,000

Related Projects			Operating Impacts	
Year Identified	Start Date	Useful Life	Manager	Completion Date
2018	Jan 1, 2018	N/A	Adam Lacombe	Dec 31, 2018

Number:	6402WS	Scenario:	Main
Title:	Design Work Next Year's Projects 2018 On-going	Project Stage:	Committee of Council Review
Asset Type:	Asset Improvement and Maintenance (Water and Wastewater)	Strategic Plans:	Infrastructure / Sustainability
Division:	Capital - Water	Project Type:	
Budget Year:	2018	Active:	Yes

Description	Comments
The project provides for preliminary engineering work required to enable design and construction of projects planned for the following year.	These works typically include pre-engineering activities such as geotechnical investigations and surveying or can include designs for small projects.

Scenario Description	Scenario Comments

Forecast				Project Detailed 2018			
Budget Year	Total Expense	Total Revenue	Difference	GL Account	Description	Total Amount	
2018	75,000	75,000	0	Expense			
2019	77,000	77,000	0		3117	DESIGN FEES	71,429
2020	79,000	79,000	0		4005	INTERNAL INTEREST CHARGES	2,446
2021	81,000	81,000	0		7010	ADMINISTRATON & OVERHEAD	1,125
2022	83,000	83,000	0				
2023	85,000	85,000	0				
2024	88,000	88,000	0	Revenue			
2025	91,000	91,000	0		0461	TSF FRM REV FUND-PAYGO	75,000
2026	94,000	94,000	0				
2027	97,000	97,000	0				
	850,000	850,000	0				
LTD Amount: 0		Total Project Cost: 850,000					

Related Projects			Operating Impacts	
Year Identified	Start Date	Useful Life	Manager	Completion Date
2018	Jan 1, 2018	N/A	Adam Lacombe	Dec 31, 2018

Number:	6403TR	Scenario:	Main
Title:	Transit Buildings Capital Program 2018 On-going	Project Stage:	Committee of Council Review
Asset Type:	Asset Improvement and Maintenance (General)	Strategic Plans:	Infrastructure / Sustainability, Maintenance
Division:	Capital - Community Services	Project Type:	
Budget Year:	2018	Active:	Yes

Description				Comments					
Required annual upgrades and repairs to Transit Terminal, Bus Shelters/Canopies, Bus Barn and Bus Wash Facilities.				Based on the Provincial Gas Tax Funding formula and the City's anticipated Transit operating and capital expenditures, no Provincial Gas Tax Funding is anticipated for this project in the next 10 years.					
				In 2018, the project includes repairs to the Transit Terminal, Bus Bash, Bus Barn and Bus Shelters/Canopies.					
Scenario Description				Scenario Comments					
Forecast		<div><div>Budget Year</div><div>Total Expense</div><div>Total Revenue</div><div>Difference</div></div> <div><div>2018</div><div>26,250</div><div>26,250</div><div>0</div></div> <div><div>2019</div><div>120,750</div><div>120,750</div><div>0</div></div> <div><div>2020</div><div>26,250</div><div>26,250</div><div>0</div></div> <div><div>2021</div><div>26,250</div><div>26,250</div><div>0</div></div> <div><div>2022</div><div>26,250</div><div>26,250</div><div>0</div></div> <div><div>2023</div><div>26,250</div><div>26,250</div><div>0</div></div> <div><div>2024</div><div>26,250</div><div>26,250</div><div>0</div></div> <div><div>2025</div><div>26,250</div><div>26,250</div><div>0</div></div> <div><div>2026</div><div>26,250</div><div>26,250</div><div>0</div></div> <div><div>2027</div><div>26,250</div><div>26,250</div><div>0</div></div> <div><div>357,000</div><div>357,000</div><div>0</div></div> <div><div>LTD Amount: 0</div><div>Total Project Cost: 357,000</div></div>		Project Detailed 2018					
				GL Account		Description		Total Amount	
				Expense					
				3425		CONSTRUCTION CONTRACT		25,000	
				4005		INTERNAL INTEREST CHARGES		856	
				7010		ADMINISTRATON & OVERHEAD		394	
						Total Expense:		26,250	
				Revenue					
				0461		TSF FRM REV FUND-PAYGO		26,250	
						Total Revenue:		26,250	
Related Projects						Operating Impacts			
Year Identified	Start Date	Useful Life		Manager		Completion Date			
2018	Jan 1, 2018	TBD		Remi Renaud		Dec 31, 2018			

Number:	6405FD	Scenario:	Main
Title:	Fire Facilities Management Program 2018 On-going	Project Stage:	Committee of Council Review
Asset Type:	Asset Improvement and Maintenance (General)	Strategic Plans:	Maintenance
Division:	Capital - Fire Department	Project Type:	
Budget Year:	2018	Active:	Yes

Description	Comments
The program provides funds for the maintenance and repairs on the four fire stations in the City.	In 2018, the program includes the replacement of the generator and interior rehabilitation at Station 2.

Scenario Description	Scenario Comments
	The Capital Forecasts from 2019 to 2026 will be used to address major capital costs associated with aging infrastructure. The funds will also be used to repair/replace major building items as well as improve the station's energy efficiencies. Plans for building repairs or energy efficiency upgrades are developed a year in advance of the budget based on information derived from station maintenance reports.

Forecast				Project Detailed 2018			
Budget Year	Total Expense	Total Revenue	Difference	GL Account	Description	Total Amount	
2018	89,250	89,250	0	Expense			
2019	89,250	89,250	0		3425	CONSTRUCTION CONTRACT	85,000
2020	89,250	89,250	0		4005	INTERNAL INTEREST CHARGES	2,911
2021	89,250	89,250	0		7010	ADMINISTRATON & OVERHEAD	1,339
2022	89,250	89,250	0				
2023	89,250	89,250	0				
2024	94,500	94,500	0	Revenue			
2025	94,500	94,500	0		0461	TSF FRM REV FUND-PAYGO	89,250
2026	99,750	99,750	0				
	824,250	824,250	0				
LTD Amount: 0				Total Project Cost: 824,250			

Related Projects			Operating Impacts	
Year Identified	Start Date	Useful Life	Manager	Completion Date
2018	Jan 1, 2018	10 to 20 Years	Mike Bechard	Dec 31, 2018

Number:	6406RD	Scenario:	Main
Title:	Asset Management 2018 On-going	Project Stage:	Committee of Council Review
Asset Type:	Asset Improvement and Maintenance (General)	Strategic Plans:	Infrastructure / Sustainability, Master Plans
Division:	Capital - Engineering, Environmental & Works	Project Type:	
Budget Year:	2018	Active:	Yes

Description				Comments			
The project provides for the implementation of Asset Management initiatives for the City's infrastructure. Work includes maintenance, management, development, and analysis of asset data.				The current focus will be on collecting spatially accurate data for the location of assets such as maintenance holes and valves as well as further analyzing condition data for linear infrastructure (pipe systems and roads).			
Scenario Description				Scenario Comments			
Forecast				Project Detailed 2018			
Budget Year	Total Expense	Total Revenue	Difference	GL Account	Description	Total Amount	
2018	50,000	50,000	0	Expense			
2019	50,000	50,000	0	3117	DESIGN FEES	47,619	
2020	50,000	50,000	0	4005	INTERNAL INTEREST CHARGES	1,631	
2021	50,000	50,000	0	7010	ADMINISTRATON & OVERHEAD	750	
2022	50,000	50,000	0		Total Expense:	50,000	
2023	50,000	50,000	0	Revenue			
2024	50,000	50,000	0	0461	TSF FRM REV FUND-PAYGO	50,000	
2025	50,000	50,000	0		Total Revenue:	50,000	
2026	50,000	50,000	0				
2027	50,000	50,000	0				
	500,000	500,000	0				
LTD Amount: 0		Total Project Cost: 500,000					
Related Projects				Operating Impacts			
Year Identified	Start Date	Useful Life		Manager		Completion Date	
2018	Jan 1, 2018	TBD		Adam Lacombe		Dec 31, 2018	

Number:	6406WS	Scenario:	Main
Title:	Asset Management 2018 On-going	Project Stage:	Committee of Council Review
Asset Type:	Asset Improvement and Maintenance (Water and Wastewater)	Strategic Plans:	Infrastructure / Sustainability, Master Plans
Division:	Capital - Water	Project Type:	
Budget Year:	2018	Active:	Yes

Description				Comments			
The project provides for the implementation of Asset Management initiatives for the City's infrastructure. Work includes maintenance, management, development, and analysis of asset data.				The current focus will be on collecting spatially accurate data for the location of assets such as maintenance holes and valves as well as further analyzing condition data for linear infrastructure (pipe systems and roads).			
Scenario Description				Scenario Comments			
Forecast				Project Detailed 2018			
Budget Year	Total Expense	Total Revenue	Difference	GL Account	Description	Total Amount	
2018	50,000	50,000	0	Expense			
2019	75,000	75,000	0	3117	DESIGN FEES	47,619	
2020	75,000	75,000	0	4005	INTERNAL INTEREST CHARGES	1,631	
2021	75,000	75,000	0	7010	ADMINISTRATON & OVERHEAD	750	
2022	75,000	75,000	0		Total Expense:	50,000	
2023	75,000	75,000	0	Revenue			
2024	75,000	75,000	0	0461	TSF FRM REV FUND-PAYGO	50,000	
2025	75,000	75,000	0		Total Revenue:	50,000	
2026	75,000	75,000	0				
2027	75,000	75,000	0				
	725,000	725,000	0				
LTD Amount: 0		Total Project Cost: 725,000					
Related Projects				Operating Impacts			
Year Identified	Start Date	Useful Life		Manager		Completion Date	
2018	Jan 1, 2018	TBD		Adam Lacombe		Dec 31, 2018	

Number:	6407ST	Scenario:	Main
Title:	Storm Sewer Flushing and Outfall Maintenance 2018 On-going	Project Stage:	Committee of Council Review
Asset Type:	Asset Improvement and Maintenance (General)	Strategic Plans:	Infrastructure / Sustainability, Maintenance
Division:	Capital - Engineering, Environmental & Works	Project Type:	
Budget Year:	2018	Active:	Yes

Description		Comments	
The project will allow for cleaning and scraping of large diameter storm sewer systems throughout the city as well as upgrading and maintaining the numerous storm sewer outfalls.		The 2018 program will continue with storm sewer cleaning in West Ferris and remediation of outfalls into Lake Nipissing.	

Scenario Description		Scenario Comments	

Forecast				Project Detailed 2018			
Budget Year	Total Expense	Total Revenue	Difference	GL Account	Description		Total Amount
2018	79,000	79,000	0	Expense			
2019	81,000	81,000	0	3425	CONSTRUCTION CONTRACT		75,238
2020	83,000	83,000	0	4005	INTERNAL INTEREST CHARGES		2,577
2021	85,000	85,000	0	7010	ADMINISTRATON & OVERHEAD		1,185
2022	88,000	88,000	0			Total Expense:	79,000
2023	91,000	91,000	0	Revenue			
2024	94,000	94,000	0	0461	TSF FRM REV FUND-PAYGO		79,000
2025	97,000	97,000	0			Total Revenue:	79,000
2026	97,000	97,000	0				
2027	97,000	97,000	0				
	892,000	892,000	0				
LTD Amount: 0		Total Project Cost: 892,000					

Related Projects			Operating Impacts	
Year Identified	Start Date	Useful Life	Manager	Completion Date
2018	Jan 1, 2018	25 Years	Domenic Schiavone	Dec 31, 2018

Number:	6408SS	Scenario:	Main
Title:	Wastewater Treatment Plant Rehab 2018 On-going	Project Stage:	Committee of Council Review
Asset Type:	Asset Improvement and Maintenance (Water and Wastewater)	Strategic Plans:	Maintenance
Division:	Capital - Sewer	Project Type:	
Budget Year:	2018	Active:	Yes

Description		Comments	
The project provides for an on-going program for emergency repairs at the Wastewater Treatment Plant. Minor improvements to systems are also funded from this project.			
Scenario Description		Scenario Comments	
Forecast		Project Detailed 2018	
Budget Year	Total Expense	Total Revenue	Difference
2019	300,000	300,000	0
2021	250,000	250,000	0
2023	200,000	200,000	0
2025	150,000	150,000	0
2027	150,000	150,000	0
	1,050,000	1,050,000	0
LTD Amount: 0		Total Project Cost: 1,050,000	
Related Projects		Operating Impacts	
Year Identified	Start Date	Useful Life	Manager
2018	Jan 1, 2018	50 Years	Karin Pratte
			Completion Date
			Dec 31, 2018

Number:	6409WS	Scenario:	Main
Title:	Leak Detection/Condition Assessment 2018 On-going	Project Stage:	Committee of Council Review
Asset Type:	Asset Improvement and Maintenance (Water and Wastewater)	Strategic Plans:	Infrastructure / Sustainability, Maintenance
Division:	Capital - Water	Project Type:	
Budget Year:	2018	Active:	Yes

Description		Comments	
In an effort to enhance water conservation and eliminate wasted water this project will include the monitoring and assessing of the existing water distribution system for un-noticed leaks or breaks.			
Scenario Description		Scenario Comments	
Forecast		Project Detailed 2018	
Budget Year	Total Expense	Total Revenue	Difference
2019	75,000	75,000	0
2021	75,000	75,000	0
2023	75,000	75,000	0
2025	75,000	75,000	0
2027	75,000	75,000	0
	375,000	375,000	0
LTD Amount: 0		Total Project Cost: 375,000	
Related Projects		Operating Impacts	
Year Identified	Start Date	Useful Life	Manager
2018	Jan 1, 2019	25 Years	Domenic Schiavone
			Completion Date
			Dec 31, 2019

Number:	6412FD	Scenario:	Main
Title:	Fire Equipment Replacement 2018 On-going	Project Stage:	Committee of Council Review
Asset Type:	Asset Improvement and Maintenance (General)	Strategic Plans:	Vehicle / Equipment Replacement
Division:	Capital - Fire Department	Project Type:	
Budget Year:	2018	Active:	Yes

Description		Comments	
The program provides for the Fire Department's equipment replacements.		Replacement of aging equipment and analysis of needed equipment for enhanced and efficient service delivery. Equipment recommendations are researched by NBFES equipment committee.	

Scenario Description		Scenario Comments	
		The Capital Forecasts from 2018 to 2026 will be used to address major equipment costs associated with ongoing operations. The funds will be used to repair/replace equipment necessary for North Bay Fire to enhance our ability to deliver an effective response to emergency incidents.	

Forecast				Project Detailed 2018			
Budget Year	Total Expense	Total Revenue	Difference	GL Account	Description	Total Amount	
2018	42,000	42,000	0	Expense			
2019	63,000	63,000	0		4005	INTERNAL INTEREST CHARGES	1,370
2020	42,000	42,000	0		5010	MACHINERY & EQUIPMENT	40,000
2021	73,500	73,500	0		7010	ADMINISTRATON & OVERHEAD	630
2022	63,000	63,000	0			Total Expense: 42,000	
2023	84,000	84,000	0	Revenue			
2024	63,000	63,000	0		0461	TSF FRM REV FUND-PAYGO	42,000
2025	84,000	84,000	0				Total Revenue: 42,000
2026	63,000	63,000	0				
	577,500	577,500	0				
LTD Amount: 0				Total Project Cost: 577,500			

Related Projects			Operating Impacts	
Year Identified	Start Date	Useful Life	Manager	Completion Date
2018	Jan 1, 2018	5 to 25 Years	Greg Saunders	Dec 31, 2018

Number:	6413ST	Scenario:	Main
Title:	Ditch Enclosure 2018 On-going	Project Stage:	Committee of Council Review
Asset Type:	Asset Improvement and Maintenance (General)	Strategic Plans:	Infrastructure / Sustainability
Division:	Capital - Engineering, Environmental & Works	Project Type:	
Budget Year:	2018	Active:	Yes

Description		Comments	
The project will eliminate open ditches in problem areas. Ditch lines would be replaced by a storm sewer system to convey storm water and run-off.		The 2018 program will be the continuation of Greenhill from Pearce westerly towards Airport Rd.	

Scenario Description		Scenario Comments	

Forecast				Project Detailed 2018			
Budget Year	Total Expense	Total Revenue	Difference	GL Account	Description	Total Amount	
2018	300,000	300,000	0	Expense			
2019	300,000	300,000	0		3425	CONSTRUCTION CONTRACT	285,714
2020	300,000	300,000	0		4005	INTERNAL INTEREST CHARGES	9,786
2021	300,000	300,000	0		7010	ADMINISTRATON & OVERHEAD	4,500
2022	300,000	300,000	0			Total Expense: 300,000	
2023	300,000	300,000	0	Revenue			
2024	300,000	300,000	0		0461	TSF FRM REV FUND-PAYGO	300,000
2025	300,000	300,000	0				Total Revenue: 300,000
2026	300,000	300,000	0				
2027	300,000	300,000	0				
	3,000,000	3,000,000	0				
LTD Amount: 0				Total Project Cost: 3,000,000			

Related Projects			Operating Impacts	
Year Identified	Start Date	Useful Life	Manager	Completion Date
2018	Jan 1, 2018	25-50 Years	Domenic Schiavone	Dec 31, 2018

Number:	6415RD	Scenario:	Main
Title:	Traffic Count Data 2018 On-Going	Project Stage:	Committee of Council Review
Asset Type:	Strategic Investment (General)	Strategic Plans:	Growth / Economic Development,...
Division:	Capital - Engineering, Environmental & Works	Project Type:	
Budget Year:	2018	Active:	Yes

Description	Comments
The project provides for the processing of intersection traffic count data.	Traffic counting equipment was purchased to eliminate the need to have staff on site for a full day to undertake an intersection traffic count. This frees up staff resources for other tasks. The traffic data is collected using a special video camera. The data file is processed by the equipment supplier at a lower cost than the cost of staff to do the same work.

Scenario Description	Scenario Comments

Forecast				Project Detailed 2018		
Budget Year	Total Expense	Total Revenue	Difference	GL Account	Description	Total Amount
2018	10,000	10,000	0	Expense		
2019	10,000	10,000	0	3130	CONSULTANT FEES	9,524
2020	10,000	10,000	0	4005	INTERNAL INTEREST CHARGES	326
2021	10,000	10,000	0	7010	ADMINISTRATON & OVERHEAD	150
2022	10,000	10,000	0		Total Expense:	10,000
2023	10,000	10,000	0	Revenue		
2024	10,000	10,000	0	0461	TSF FRM REV FUND-PAYGO	10,000
2025	10,000	10,000	0		Total Revenue:	10,000
2026	10,000	10,000	0			
2027	10,000	10,000	0			
	100,000	100,000	0			
LTD Amount: 0		Total Project Cost: 100,000				

Related Projects			Operating Impacts	
Year Identified	Start Date	Useful Life	Manager	Completion Date
2018	Jan 1, 2018	5 to 10 Years	Adam Lacombe	Dec 31, 2018

Number:	6416FD	Scenario:	Main
Title:	Fire Bunker Gear Replacement Program 2018 On-going	Project Stage:	Committee of Council Review
Asset Type:	Asset Improvement and Maintenance (General)	Strategic Plans:	Vehicle / Equipment Replacement
Division:	Capital - Fire Department	Project Type:	
Budget Year:	2018	Active:	Yes

Description		Comments				
The program provides funds to replace firefighters' bunker gear. In 2008 the bunker gear standards set out by the National Fire Protection Association changed to include the replacement of Bunker Gear every 10 years.		In 2018, the program includes the replacement of 4 firefighters' bunker gear.				
Scenario Description		Scenario Comments				
		The forecast budget for 2019 to 2021 is based on the anticipated number for firefighters' bunker gear replacements required annually				
Forecast		Project Detailed 2018				
Budget Year	Total Expense	Total Revenue	Difference	GL Account	Description	Total Amount
2018	11,967	11,967	0	Expense		
2019	48,048	48,048	0	2901	FIREFIGHTING SUPPLIES	11,397
2020	147,894	147,894	0	4005	INTERNAL INTEREST CHARGES	390
2021	67,988	67,988	0	7010	ADMINISTRATON & OVERHEAD	180
	275,897	275,897	0		Total Expense:	11,967
LTD Amount: 0		Total Project Cost: 275,897		Revenue		
				0461	TSF FRM REV FUND-PAYGO	11,967
					Total Revenue:	11,967
Related Projects		Operating Impacts				
Year Identified	Start Date	Useful Life	Manager		Completion Date	
2018	Jan 1, 2018	10 Years	Greg Saunders		Dec 31, 2018	

Number:	6418SS	Scenario:	Main
Title:	Digester and Grit Removal 2018-On-going	Project Stage:	Committee of Council Review
Asset Type:	Asset Improvement and Maintenance (Water and Wastewater)	Strategic Plans:	Infrastructure / Sustainability, Maintenance
Division:	Capital - Sewer	Project Type:	
Budget Year:	2018	Active:	Yes

Description		Comments		
The project provides for the necessary periodic scheduled maintenance on the digesters and primary clarifiers at the Wastewater Treatment Plant to ensure this equipment is operating in the most optimal fashion.		With the construction of the grit removal facility at the head end of the plant, it is anticipated that digester cleaning requirement for the four digesters will be reduced in future years. The budget reflects these changes.		
Scenario Description		Scenario Comments		
Forecast		Project Detailed 2018		
Budget Year	Total Expense	Total Revenue	Difference	
2020	200,000	200,000	0	
2023	109,000	109,000	0	
2026	109,000	109,000	0	
	418,000	418,000	0	
LTD Amount: 0		Total Project Cost: 418,000		
Related Projects		Operating Impacts		
Year Identified	Start Date	Useful Life	Manager	Completion Date
2018	Jan 1, 2018	TBD	Karin Pratte	Dec 31, 2018

Number:	6419SS	Scenario:	Main
Title:	Wastewater Treatment Plant - Electrical Upgrades 2018 On-going	Project Stage:	Committee of Council Review
Asset Type:	Asset Improvement and Maintenance (Water and Wastewater)	Strategic Plans:	Infrastructure / Sustainability, Maintenance
Division:	Capital - Sewer	Project Type:	
Budget Year:	2018	Active:	Yes

Description				Comments			
The project will provide electrical upgrades to the Wastewater Treatment Plant. Many electrical components have passed their useful life and represent a significant risk to the continuous operation of the facility. The funding provides for materials as well as a staff electrician to work on the projects.				The staff electrician is also working on other capital and operating projects within the water and wastewater system. Typical projects would include replacing and repairing conduits, MCC's, process controls, SCADA, lighting and various electrical components.			
Scenario Description				Scenario Comments			
Forecast				Project Detailed 2018			
Budget Year	Total Expense	Total Revenue	Difference	GL Account	Description	Total Amount	
2018	275,000	275,000	0	Expense			
2019	275,000	275,000	0	1001	REGULAR SALARIES	91,128	
2020	250,000	250,000	0	3425	CONSTRUCTION CONTRACT	170,777	
2021	250,000	250,000	0	4005	INTERNAL INTEREST CHARGES	8,970	
2022	250,000	250,000	0	7010	ADMINISTRATON & OVERHEAD	4,125	
2023	250,000	250,000	0			Total Expense:	275,000
2024	250,000	250,000	0	Revenue			
2025	250,000	250,000	0	0461	TSF FRM REV FUND-PAYGO	275,000	
2026	250,000	250,000	0			Total Revenue:	275,000
2027	250,000	250,000	0				
2,550,000		2,550,000	0				
LTD Amount: 0		Total Project Cost: 2,550,000					
Related Projects				Operating Impacts			
Year Identified	Start Date	Useful Life		Manager		Completion Date	
2013	Jan 1, 2018	15 Years		Karin Pratte		Dec 31, 2018	

Number:	6420SS	Scenario:	Main
Title:	Sewage Lift Stations PLC and Radio Upgrades 2018 On-going	Project Stage:	Committee of Council Review
Asset Type:	Asset Improvement and Maintenance (Water and Wastewater)	Strategic Plans:	Infrastructure / Sustainability, Maintenance,...
Division:	Capital - Sewer	Project Type:	
Budget Year:	2018	Active:	Yes

Description				Comments			
This project includes PLC and radio upgrades at the 18 sewage lift stations operated by the City.				All 18 existing lift stations at the City require upgrades to controls and radios. This program provides funding to replace a system each year.			
Scenario Description				Scenario Comments			
Forecast				Project Detailed 2018			
Budget Year	Total Expense	Total Revenue	Difference				
2019	30,000	30,000	0				
2020	30,000	30,000	0				
2021	30,000	30,000	0				
2022	30,000	30,000	0				
2023	30,000	30,000	0				
2024	30,000	30,000	0				
2025	30,000	30,000	0				
2026	30,000	30,000	0				
2027	30,000	30,000	0				
	270,000	270,000	0				
LTD Amount: 0		Total Project Cost: 270,000					
Related Projects				Operating Impacts			
Year Identified	Start Date	Useful Life		Manager		Completion Date	
2018	Jan 1, 2019	10 to 15 Years		Karin Pratte		Dec 31, 2019	

Number:	6421SS	Scenario:	Main
Title:	Wastewater Treatment Plant Exterior Rehab 2018 on-going	Project Stage:	Committee of Council Review
Asset Type:	Asset Improvement and Maintenance (Water and Wastewater)	Strategic Plans:	Infrastructure / Sustainability
Division:	Capital - Sewer	Project Type:	
Budget Year:	2018	Active:	Yes

Description			Comments	
Replace fencing, roofs, brick veneer and to perform landscaping upgrades along the Kate Pace Way and the Wastewater Treatment Plant.			This program will rehabilitate the building envelope of the 11 buildings at the Wastewater Treatment Facility.	
Scenario Description			Scenario Comments	
			The following details support the capital forecast: 2019 - Iron Rod Fencing around Wastewater Treatment Plant, Admin building roof, landscaping on Memorial 2021 - Brick Veneer at Booster Building 2023 - Brick Veneer Blower/RAS building 2025 to 2027 - General Building Rehabilitation	
Forecast			Project Detailed 2018	
Budget Year	Total Expense	Total Revenue	Difference	
2019	200,000	200,000	0	
2021	200,000	200,000	0	
2023	200,000	200,000	0	
2025	200,000	200,000	0	
2027	200,000	200,000	0	
	1,000,000	1,000,000	0	
LTD Amount: 0			Total Project Cost: 1,000,000	
Related Projects			Operating Impacts	
Year Identified	Start Date	Useful Life	Manager	Completion Date
2018	Jan 1, 2019	TBD	Karin Pratte	Dec 31, 2019

Number:	6422RD	Scenario:	Main
Title:	Public Works Building Maintenance 2018 On-going	Project Stage:	Committee of Council Review
Asset Type:	Asset Improvement and Maintenance (General)	Strategic Plans:	
Division:	Capital - Engineering, Environmental & Works	Project Type:	
Budget Year:	2018	Active:	Yes

Description		Comments	
This project is to address emergency repairs and replacements to the public works facilities.		In 2018, the project will include the replacement of a crane in the mechanical shop.	

Scenario Description		Scenario Comments	

Forecast				Project Detailed 2018			
Budget Year	Total Expense	Total Revenue	Difference	GL Account	Description	Total Amount	
2018	50,000	50,000	0	Expense			
2019	50,000	50,000	0		3305	BUILDING MAINTENANCE	47,619
2020	50,000	50,000	0		4005	INTERNAL INTEREST CHARGES	1,631
2021	50,000	50,000	0		7010	ADMINISTRATON & OVERHEAD	750
2022	50,000	50,000	0				
2023	50,000	50,000	0				
2024	50,000	50,000	0	Revenue			
2025	50,000	50,000	0		0461	TSF FRM REV FUND-PAYGO	50,000
2026	50,000	50,000	0				
2027	50,000	50,000	0				
	500,000	500,000	0				
LTD Amount: 0		Total Project Cost: 500,000					

Related Projects			Operating Impacts	
Year Identified	Start Date	Useful Life	Manager	Completion Date
2018	Jan 1, 2018		Domenic Schiavone	Dec 31, 2018

Number:	6422WS	Scenario:	Main
Title:	Public Works Building Maintenance 2018 On-going	Project Stage:	Committee of Council Review
Asset Type:	Asset Improvement and Maintenance (Water and Wastewater)	Strategic Plans:	
Division:	Capital - Water	Project Type:	
Budget Year:	2018	Active:	Yes

Description		Comments	
This project is to address emergency repairs and replacements to the public works facilities.		In 2018, the project will include repairs to the water and wastewater buildings roof to address leaks.	

Scenario Description		Scenario Comments	

Forecast				Project Detailed 2018			
Budget Year	Total Expense	Total Revenue	Difference	GL Account	Description		Total Amount
2018	25,000	25,000	0	Expense			
2019	25,000	25,000	0	3305	BUILDING MAINTENANCE		23,810
2020	25,000	25,000	0	4005	INTERNAL INTEREST CHARGES		815
2021	25,000	25,000	0	7010	ADMINISTRATON & OVERHEAD		375
2022	25,000	25,000	0			Total Expense:	25,000
2023	25,000	25,000	0	Revenue			
2024	25,000	25,000	0	0461	TSF FRM REV FUND-PAYGO		25,000
2025	25,000	25,000	0			Total Revenue:	25,000
2026	25,000	25,000	0				
2027	25,000	25,000	0				
	250,000	250,000	0				
LTD Amount: 0		Total Project Cost: 250,000					

Related Projects			Operating Impacts	
Year Identified	Start Date	Useful Life	Manager	Completion Date
2018	Jan 1, 2018		Domenic Schiavone	Dec 31, 2018

Number:	6423RD	Scenario:	Main
Title:	Equipment Replacement 2018 On-going	Project Stage:	Committee of Council Review
Asset Type:	Asset Improvement and Maintenance (General)	Strategic Plans:	
Division:	Capital - Engineering, Environmental & Works	Project Type:	
Budget Year:	2018	Active:	Yes

Description		Comments	
This project will be used to purchase tools and equipment required for the roads department.		The funds will be used to replace items such as arboards, concrete saws, chain saws, etc. These purchases will not form part of the fleet and equipment replacement program.	

Scenario Description		Scenario Comments	

Forecast				Project Detailed 2018			
Budget Year	Total Expense	Total Revenue	Difference	GL Account	Description	Total Amount	
2018	10,000	10,000	0	Expense			
2019	10,000	10,000	0	4005	INTERNAL INTEREST CHARGES	326	
2020	10,000	10,000	0	5010	MACHINERY & EQUIPMENT	9,524	
2021	10,000	10,000	0	7010	ADMINISTRATON & OVERHEAD	150	
2022	10,000	10,000	0		Total Expense:	10,000	
2023	10,000	10,000	0	Revenue			
2024	10,000	10,000	0	0461	TSF FRM REV FUND-PAYGO	10,000	
2025	10,000	10,000	0		Total Revenue:	10,000	
2026	10,000	10,000	0				
2027	10,000	10,000	0				
	100,000	100,000	0				
LTD Amount: 0		Total Project Cost: 100,000					

Related Projects				Operating Impacts			
Year Identified	Start Date	Useful Life	Manager			Completion Date	
2018	Jan 1, 2018		Domenic Schiavone			Dec 31, 2018	

Number:	6423WS	Scenario:	Main
Title:	Equipment Replacement 2018 On-going	Project Stage:	Committee of Council Review
Asset Type:	Asset Improvement and Maintenance (Water and Wastewater)	Strategic Plans:	
Division:	Capital - Water	Project Type:	
Budget Year:	2018	Active:	Yes

Description	Comments
This project will be used to purchase tools and equipment required for the water and wastewater department.	The funds will be used to replace items such as pumps, concrete saws, chain saws, etc. These purchases will not form part of the fleet and equipment replacement program.

Scenario Description	Scenario Comments

Forecast				Project Detailed 2018				
Budget Year	Total Expense	Total Revenue	Difference	GL Account	Description	Total Amount		
2018	15,000	15,000	0	Expense				
2019	15,000	15,000	0		4005	INTERNAL INTEREST CHARGES		489
2020	15,000	15,000	0		5010	MACHINERY & EQUIPMENT		14,286
2021	15,000	15,000	0		7010	ADMINISTRATON & OVERHEAD		225
2022	15,000	15,000	0			Total Expense:	15,000	
2023	15,000	15,000	0	Revenue				
2024	15,000	15,000	0		0461	TSF FRM REV FUND-PAYGO		15,000
2025	15,000	15,000	0				Total Revenue:	15,000
2026	15,000	15,000	0					
2027	15,000	15,000	0					
	150,000	150,000	0					
LTD Amount: 0				Total Project Cost: 150,000				

Related Projects			Operating Impacts	
Year Identified	Start Date	Useful Life	Manager	Completion Date
2018	Jan 1, 2018		Domenic Schiavone	Dec 31, 2018

The Corporation of The City of North Bay

By-Law No. 2017-61

Being a By-Law to Confirm Proceedings of the Meeting of Council Held on October 3, 2017

Whereas the *Municipal Act, R.S.O. 2001*, Chapter 25, (the “Act”) Section 5(1), provides that the powers of a municipal corporation shall be exercised by Council;

And Whereas Section 5 (3) of the Act provides a municipal power, including a municipality’s capacity, rights, powers and privileges under section 9 of the Act, shall be exercised by by-law unless the municipality is specifically authorized to do otherwise and any of the matters shall be implemented by the exercise of the natural person powers;

And Whereas in many cases action which is taken or authorized to be taken by Council does not lend itself to the passage of an individual by-law;

Now Therefore, The Council of The Corporation of The City of North Bay Hereby Enacts As Follows:

1. That the actions of the Council of The Corporation of the City of North Bay at its meeting held on October 3, 2017 in respect of each motion, resolution and other action passed and taken by the Council at is said Meeting is, except where the prior approval of the Ontario Municipal Board or other authority is by law required, hereby adopted, ratified and confirmed.
2. That where no individual by-law has been passed with respect to the taking of any action authorized in or by the Council mentioned in Section 1 hereof or with respect to the exercise of any powers of the Council, then this by-law shall be deemed for all purposes to the by-law required for approving and authorizing the taking of any action authorized therein or thereby required for the exercise of any powers therein by Council.
3. That the Mayor and the proper officers of The Corporation of the City of North Bay are hereby authorized and directed to do all things necessary to give effect to the said actions or to obtain approvals where required, and to execute all documents as may be necessary and directed to affix the corporate seal to all such documents as required.

Read a First Time in Open Council this 3rd day of October, 2017.

Read a Second Time in Open Council this 3rd day of October, 2017.

Read a Third Time in Open Council and Passed this 3rd day of October, 2017.

Mayor Allan McDonald

City Clerk Karen McIsaac