



2019

**DRAFT TAX SUPPORTED
CAPITAL BUDGET**

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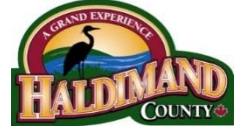
FORECAST

2019-2028

2019 Draft Tax Supported Capital Budget and Forecast Table of Contents

<u>Executive Summary:</u>	Page
Chief Financial Officer Report	i
Treasurer’s 2019 Draft Tax Supported Capital Budget and Forecast Report	iii
Summary 1 - Projects Added or Deleted – (where project is greater than \$100,000)	A-1
Summary 2 - Projects Scope/Price Increase/(Decrease)- (where project is greater than \$100,000)	A-2
Summary 3 - Projects Shifted in Timing – (where project is greater than \$100,000)	A-3
Summary 4 - Net Capital Financing.....	A-4
Summary 5 - 2019 Ten Year Forecast – Co-ordinated Projects	A-5
Governance Structure	1
Haldimand County Council.....	2
Haldimand County Senior Staff.....	3
2019 Draft Tax Supported Ten Year Capital Budget and Forecast Overall Summary.....	4
General Government	5
Protection Services.....	14
Transportation Services.....	23
Environmental Services	48
Health Services	53
Social and Family Services	58
Recreation and Cultural Services	64
Planning and Development	81
Appendices	
Appendix A - Capital Financing Principles	89
Appendix B - Annual Debt Payments by Project	90
Appendix C - Forecast of Capital Reserves	91
Appendix D - Community Vibrancy Fund Net Present Value Calculations, Forecast Community Vibrancy Reserve Fund	115
Appendix E - Forecast of Development Charges Reserve Funds Balances	119
Appendix F- New Initiative Projects with Operating Impacts	130





Message from the Chief Financial Officer

Mayor and Members of the Council,

The adoption of a municipalities' annual budgets is one of the most important strategic documents that Council reviews to ensure affordable, reliable and safe provision of services to its ratepayers and the public at large. This document presents the 2019 Draft Tax Supported Capital Budget and Forecast, outlining the proposed tax supported capital infrastructure requirements for the period 2019 to 2028 inclusively. All capital projects included in this document are funded from contributions made to capital replacement reserves from the annual tax levy. Water and wastewater capital projects are funded entirely from users of water/wastewater systems and were included in the Rate Supported Capital and Operating Budget approved January 24, 2019.

The 2019 Draft Tax Supported Capital Budget and Forecast has been developed on the following fundamental principles:

- **Focus on Sustainability.** One of the key principles to sustainability is to ensure the County maintains its infrastructure to ensure safe and reliable services. The County has developed asset management plans and conducted condition assessments to plan the timely replacement of existing infrastructure. Pro-active maintenance plans, specific to various types of infrastructure, ensure the assets meet anticipated performance measures and maximize their useful life. Financial principles to ensure services are affordable and meet public expectations include: a dedicated capital levy to meet targeted capital related expenditures; capital replacement reserve fund principles to ensure adequate capital reserves are in place for planned replacements and growth related infrastructure needs (“pay as you go”).
- a. **Protect against Vulnerability.** Principles have been adopted to assist the County’s ability to address vulnerability to external sources of funding or exposure to costs beyond Council’s control. The County has developed a Local Service Policy and Development Charge by-law to ensure “growth pays for growth”. The County also maximizes external revenues or grants from upper levels of Government to ensure full cost recovery of the capital cost associated with the underlying service.
- **Maintain Flexibility.** It is also critical to have the flexibility to limit tax levy increases while responsibly issuing debt without impacting service levels or credit rating. The County has established annual debt repayment limits to ensure there is the ability to utilize debt in a planned approach while maintaining the flexibility to issue additional debt for unforeseen capital costs and future opportunities.

Integral to any capital replacement plan is the underlying long term financial plan. This plan is critical to ensure that funds are set aside each year so when it comes time for replacement of infrastructure the required financing is available. This strategic plan is predicated on collaborative and systematic approaches to timely replacement of infrastructure. Any deviations from this strategy can adversely impact the financing plan or the timely and cost efficient replacement of infrastructure, such as:

- **Acceleration** of planned replacements, not consistent with underlying evaluation principles;
- **Adding** projects not previously contemplated in the current year’s budget or forecast;
- Changing the **scope** of a planned replacement, thereby increasing the anticipated costs;
- **Deviating** from the underlying warrants/principles to support a planned replacement/new infrastructure that is not consistent with established standards.

It is imperative to review/approve the Capital Budget and Forecast in advance or in conjunction with the relative operating budget to gain a firm understanding of the impacts of the anticipated capital program on the tax supported operations of the municipality. Staff has included Appendix F to this document to illustrate the tax supported operational impacts of the proposed new initiatives included in the capital program for 2019.

Key Financial Messages - 2019 Draft Tax Supported Capital Budget and Forecast

In recent years the County has deliberately increased its investment in capital in order to ensure its existing municipal infrastructure is renewed, that new facilities desired by the community are added and that there is a sustainable funding plan in place to ensure the long term tax impacts are minimized as replacement occurs. In total, the overall tax supported capital plan includes \$30.4 million in spending in 2019 and \$226.4 million over the 10 year period. There is a strategic focus on a planned “state of good repair”, with 85% of the capital spending dedicated for replacements while 15% is associated with new initiatives (excluding growth related projects funded from Development Charges).

The 2019-2028 capital program results in the following:

- i. A predictable annual tax levy impact of 1.0% and sustained capital-related spending, anticipated to be fully funded from additional tax revenues from increased assessment/new growth;
- ii. A comprehensive roads and bridges capital program that, through additional funding of approximately \$19 million over the 10 year forecast, provides for:
 - i. A major road reconstruction program co-ordinated with underground services and utilities totaling approximately \$10 million over the forecast period;
 - ii. Hot mix resurfacing program responsible for maintaining paved rural and arterial urban roads - program has been increased annually by approximately \$1 million starting in 2021 resulting in a 20 year paving cycle moving forward;
 - iii. Urban paving program responsible for maintaining all local urban roads, starting in 2019, coordinating replacement of all curb and sidewalks adjacent to roadway at total additional cost of approximately \$6 million over the forecast period;
 - iv. The complete conversion of the County’s gravel roads to hard surface by 2028 based on an increased annual budget of \$3 million per year (as Gravel roads are converted, funds are transferred to the surface treatment program to maintain these roads);
 - v. A fully funded bridge inspection and replacement program of the 266 bridges/culverts in the County and the introduction of a retaining wall program starting in 2019.
- iii. A comprehensive program for Municipal Drain maintenance that results in the clean out activities every 10 years for all 84 municipal drains.
- iv. A building and facility inspection program and capital funding that will ensure municipal facilities such as arenas, community centres, Grandview Lodge and parks facilities are kept in good condition thereby maximizing the County’s investment in these important amenities.
- v. Inclusion of key infrastructure to address tax related growth including \$8.3 million to develop an arterial roadway in Caledonia, \$1.4 million towards Argyle Street Bridge upgrades, \$3.0 million for a new combined firehall/ambulance base including equipment in Caledonia and \$558,000 towards an improved Library facility in Hagersville.

The 2019 Draft Tax Supported Capital Budget and Forecast is fiscally responsible and based on sound financial principles. There are significant investments in rehabilitation/replacement of infrastructure and provisions for growth while maintaining the integrity of the current infrastructure and services it supports. It should be noted that, despite prudent fiscal planning and the positive outlook of the Draft Capital Budget, the County is subject to risk and vulnerability due to future uncertainty. This includes:

- Uncertainty with respect to the wider economy and implications in terms of local growth and investment that translate into assessment growth – can growth ultimately pay for growth?
- Uncertainty in terms of possible impacts to municipal grant revenue from the Province as the new Provincial government completes its review of its finances. The County annually receives approximately \$2.6 million from the Province towards capital spending (including formally announced increases planned for 2019 of approximately \$910,000). As such, any reduction in grant funding could have a significant impact on the ability of the municipality to fund planned capital replacements.

Senior staff will continue to monitor the political environment and lobby against changes that may impact the affordability of municipal services and replacement of infrastructure critical to the economic success of the County and the Province of Ontario as a whole.

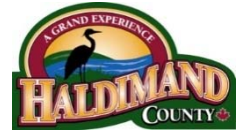
Respectfully Submitted,

Mark Merritt, CPA, CA
Chief Financial Officer and General Manager of Financial & Data Services

HALDIMAND COUNTY

2019 Draft Tax Supported Capital Budget and Forecast

Committee of the Whole on March 5, 2019



Introduction/Background:

Prudent management, as well as section 290 (1) of the Municipal Act, requires local municipalities to prepare and adopt annual estimates required for the purposes of the municipality, including amounts sufficient to pay all debts of the municipality falling due within the year, and amounts required for any board, commission or other body.

The County currently develops three (3) annual budgets as follows:

- Rate Supported – includes Water and Wastewater Operating Budget and Capital Budget (current plus 9 year capital forecast)
- Tax Supported Capital Budget (including 9 year capital forecast)
- Tax Supported Operating Budget.

Council has approved the following 2019 Budget Timetable:

Draft Budget	Review Date(s)	Additional/Conditional Dates
Rate Supported Capital and Operating Budget	January 24, 2019	n/a
Tax Supported Capital Budget	March 5, 2019	n/a
Tax Supported Operating Budget	April 2, 2019	April 3 and 4, 2019 (if required)

Note: All capital projects included in this document are funded from contributions made to reserves from the tax levy. Water and wastewater capital projects are funded from rates and included in the Rate Supported Capital and Operating Budget approved January 24, 2019.

The adoption of the Capital Budget provides a firm understanding of the impacts of the anticipated capital program on the tax supported operations of the municipality. Staff has included Appendix F to illustrate the tax supported operational impacts of the proposed new initiatives included in the capital program for 2019. Understanding the ongoing additional operational impacts will assist Council in evaluating the merits/needs of the proposed capital projects. Based on historical service levels, the relative infrastructure requirements to sustain these service levels are determined and can be evaluated based on available financing resources.

Legislative Framework and Capital Budget Process:

Legislative Framework:

The legislative environment in which municipalities operate is continually evolving, inevitably placing additional constraints and pressures on resources and finances. Over the past few years, many municipal associations (i.e. Municipal Finance Officers Association (MFOA) and Government Finance Officers Association (GFOA)) have strongly supported the adoption of Long Term Financial Planning. These principles go beyond “multi-year budgeting” and involve the integration of long range strategic planning with service delivery plans and the appropriate annual budgets to facilitate the financial resources required. Although the Municipal Act provides the legislative authority for multi-year budgets (from 2 to 5 years), there are limited legislative requirements to adopt true long term financial plans (except for those required under the Safe Drinking Water Act to report both the full cost of the water services and a cost recovery plan, representing a period of at least six (6) years). The ideology of sustainable services and the allocation of limited resources are paramount in the budgeting decisions of all municipalities across the Province.

The requirement to report tangible capital assets in the statement of financial position (i.e. balance sheet) and the corresponding amortization (i.e. utilization) of tangible capital assets as an expense in the statement of operations has dramatically altered the way municipalities report and plan for the replacement of existing infrastructure. Ultimately, these reporting requirements provide the fundamental basis for municipalities to budget and plan for capital asset replacement, including identifying the resources necessary, or lack thereof, to fund these requirements. It is generally accepted that improved asset management and reporting practices, which the Public Sector Accounting Board (PSAB) amendments are designed to promote, will improve accountability to the taxpayer, providing a better basis for decision making and a more effective means to determine the appropriate expenditure levels to maintain the assets integral to the County’s operations. However, municipalities are required to record capital assets at their historical cost adjusted by associated accumulated amortization to reflect their remaining useful life. It is unlikely that the historical costs will reflect the underlying replacement costs and associated resources required to replace aging infrastructure. This

practice can lead to significant underfunding of future replacements if not managed effectively (this underfunding is commonly referred to as the “infrastructure gap”). An analysis of the County’s current estimated “infrastructure gap” is provided later in this report.

The development of a comprehensive asset management plan, is a requirement for all on-going Federal (i.e. Gas Tax) and Provincial (i.e. Ontario Community Infrastructure Fund – OCIF) infrastructure grant funding and reporting. To assist municipalities in this regard, the Province has developed a guide on preparing comprehensive asset management plans, including the following 4 core/fundamental requirements: review of the current state of infrastructure; development of expected levels of service; asset management strategy to achieve the desired levels of service; and a comprehensive financing plan to fund these objectives. As well, beginning January 1, 2018, the Province has passed new legislation that will require all municipalities to adopt a service based asset management plan for all assets. Under this new legislation, every municipality will be required to prepare a strategic comprehensive asset management policy that includes a plan to maintain core infrastructure, defines levels of service and make the plan publicly accessible with updates at least every 5 years. These requirements will be phased in over several years with the first requirements of a Strategic Asset Management Policy required by July 1, 2019 and the remaining provisions implemented in futures years with all components fully implemented by July 1, 2024.

The County completed the first draft of its asset management plan, covering the required core infrastructure categories, as at December 31, 2013 and presented it to Council in early 2014. A second draft was presented to Council in December 2014 but still required further staff review and refinement. As outlined in the plan, the County has a substantial “infrastructure deficit” similar to other municipal governments across the Province. Future refinements to the plan, to meet Federal Gas Tax requirements, began in 2016. The plan is intended to provide a sound basis for financial planning and asset management/maintenance practices, including annual reporting. In June 2018, Staff presented to council a draft asset management plan for asset categories not included in the 2014 editions. This allowed us to meet our funding requirements under the Federal Gas Tax Funding program.

Despite the above noted reporting requirements related to tangible capital assets, the Municipal Act continues to allow municipalities to not budget for the following items: amortization expenses related to capital assets; post-employment benefit costs; and solid waste landfill closure and post-closure expenses. Although this does not directly affect the 2019 Draft Tax Supported Capital Budget, it does require a separate report on these “excluded expenses”. This report will be presented to Council as part of the 2019 Draft Tax Supported Operating Budget which will outline the potential impact the exclusion of these expenses would have on the County’s accumulated year end surplus/deficit.

Economic Environment

The financial pressures currently being faced on a global, national and provincial basis will undoubtedly have impacts on the local economy. Based on the National Bank’s January 2019 Economic Forecast, Canada’s annualized rate of change in key financial areas is projected as follows:

Annualized Rate of Change	2016 Actual	2017 Actual	2018 Actual	2019 Forecast
Gross Domestic Product	1.1%	3.0%	2.1%	1.8%
Residential Construction	3.5%	2.4%	(0.7%)	(1.1%)
Unemployment Rate	7.0%	6.3%	5.8%	5.7%
Inflation	1.4%	1.6%	2.2%	1.7%
Bank of Canada Prime Lending rate	Currently at 3.95% (major banks = 3.95%)			

Recent economists’ reports indicate temporary slowing in the fourth quarter of 2018 and the first quarter of 2019, revising the growth forecast for 2019 to 1.7%. Inflation forecasts have also been lowered. These potential impacts have influenced the guidelines and recommendations contained within the 2019 Draft Tax Supported Capital Budget and Forecast.

The recommendations contained within the 2019 Draft Capital Budget and Forecast attempt to strike a balance between: (1) being fiscally responsible through establishing a long range sustainable capital plan; and (2) minimizing the tax impacts on the residents of the County.

Capital Budget Process

The County’s budget process is focused on **strategic objectives** and **long term financial planning**. This process provides direction to management and staff when identifying infrastructure needs and implementing a long range financial plan that is sustainable. These long range plans provide for a structured process to determine future investments in infrastructure needs, as well as planned financial impacts on future budgets. Although the long range vision is to have “fully funded sustainable services”, in the medium term, the goal is to increase municipal investment in infrastructure, focusing on replacement/state of good repair.

As indicated above, the Province has developed a *Guide for Municipal Asset Management Plans* which incorporates several of the County's current principles. Although there are several methods/models to assist in developing a long-range financial plan, the underlying principles are typically the same:

- *Established Goals/Objectives/Framework to Govern the Process*: The County has well established Corporate Strategic Objectives to guide the development of a long range asset management plan.
- *Identify the State of Local Infrastructure*: A major component of sustainable asset management is determining: what we have; what it is worth; what condition it is in; and when it needs to be replaced. The County must continually update its inventory of capital assets on an annual basis to meet financial reporting requirements and revise anticipated replacement costs/timing. Although the County has inventories of its various assets, the details, accuracy and relevant timeliness varies from category to category of assets (for example, the County undertakes regular bridge/structure condition reviews while other categories of assets have not had similar reviews). The intent of a comprehensive asset management plan is to utilize this information to determine optimum replacement timing and costs to meet the approved service levels. Additional studies/reviews will be required to assist in determining the replacement timing while maximizing asset life and efficiencies (i.e. facilities/fleet reviews and master servicing studies for water and wastewater infrastructure). To the extent this information is available to County staff, the replacement requirements have been evaluated in the departments' current and forecasted capital budget submissions. As more information is available and condition assessments of these assets are completed, a more detailed, comprehensive replacement program can be developed. Growth related needs have been evaluated based on alignment with corporate strategic priorities, legislative requirements, health and safety impacts and operating financial impacts.
- *Desired Levels of Service*: While inventorying and assessing the condition of existing infrastructure is integral to an asset management plan, the intended levels of service and performance targets can significantly affect future timing and costs of replacements or upgrades. Defined levels of service with anticipated performance measures and timelines ensure the underlying infrastructure needs are appropriately identified to meet these targets. This analysis includes an assessment of both current and future requirements based on established/anticipated community/resident needs.
- *Asset Management Strategy*: This step involves utilizing the aforementioned information to develop a planned set of actions that will ensure the underlying infrastructure will provide the desired levels of service in a sustainable manner. This includes managing future risk and annual costs through a series of planned maintenance/rehabilitation and replacement activities.
- *Financing Strategy*: A comprehensive long range financial plan is critical in putting the asset management plan into action. This step involves the integration of the physical asset management plan with the required financial plan. The requisite financial plan will ultimately impact the municipality's capital and operating budgets and identify funding shortfalls therein. The County has established specific guidelines/principles to guide the development of our long range financial plan. As outlined in Appendix A and detailed below, these principles are reviewed annually and evaluated in relation to the draft budget submitted for Council's review.

An asset management plan is an ever evolving process and, each year, the County evaluates the funding sources and infrastructure needs against the established principles. Based on the current information available, replacement and growth related infrastructure needs, over the 10 year forecast period, cannot be fully accommodated without an increase in debt financing, depletion of reserves and/or an increase in the capital tax levy.

As indicated above, the budgeting process is an integral part of the planning for future infrastructure replacements. As a result, the focus of the 2019 Draft Tax Supported Capital Budget and Forecast should be on **financing** and affordability. Minor capital repairs/replacements (i.e. typically individual items less than \$5,000) are financed directly from the Tax Supported Operating Budget. All remaining capital expenditures are either financed internally from capital replacement reserves, external financing sources or new debt issuance. As a result, there are **no** capital projects financed directly from the levy. These principles are a major step towards sustainability and lifecycle costing of infrastructure needs – it is the first step in moving from a “cash basis” to an “accrual basis” of funding.

Key “Capital Financing Principles” have been established to guide the application of various funding sources for the County's proposed capital program. These Principles have continually been reviewed/revised (outlined in detail in Appendix A of the budget document) and are based on past practices and “industry best practices”. With the exception of Provincial legislation establishing Annual Debt Repayment Limits (ARL), there are no mandatory financial principles established for municipalities. As a result, the principles have been developed by staff and approved by Council to provide annual guidelines for uses of various funding sources and their application to specific capital projects, as proposed in the 2019 Draft Capital Budget and Forecast. These principles include:

- Annual debt repayment level significantly below Provincial legislated maximum, as well as application guidelines for use of debt on specific infrastructure projects;
- Use of Reserves and Reserve Funds, including minimum balances over the forecasted period;
- Application of provincial/federal grants, subject to eligibility and availability; and

- Application of external funds, including conditions on initiating projects funded from these sources.

The use of these guidelines adds an element of affordability to the budget process when evaluating the County's ability to finance the proposed capital projects over the forecasted period. This plan is predicated on a multi-year approach to provide additional funding to increase the County's investment in infrastructure to an acceptable level to maintain a "state of good repair" and provide the necessary funds for future growth and development initiatives to achieve the County's long range strategic goals. Ultimately, this approach will provide the fundamental basis for a long range financial plan as part of an integrated asset management plan.

2019 DRAFT TAX SUPPORTED CAPITAL BUDGET AND FORECAST

Overview and Underlying Principles

The County employs several key financial principles to ensure the budget document is understandable and meets the County's needs. These include ensuring the budget(s) are: accountable, credible, reliable, manage expectations, transparent and meet legislative compliance. The budget cycle is continuous and ever evolving, including the following steps: preparation, approval, monitoring and reporting. These principles are also embodied in the County's budget guidelines. The 10 year Capital Forecast, for any organization, gives a better indication as to its corporate strategies and financial health than a year-over-year comparison of its annual capital expenditures. It is in the capital budget where the corporation commits to build the necessary infrastructure over the long term. By extension, the corporation has also committed itself to the operating costs of maintaining the facilities and/or infrastructure and, in most cases, to the costs of programs run out of those facilities.

As a result, the fundamental financial principles/objectives of the 2019 Draft Tax Supported Capital Budget and Forecast are as follows:

- A 1.0% increase in the tax levy to fund the capital requirements for the 2019 Tax Supported Capital Budget, offset firstly from assessment growth, and secondly, in the event assessment growth is insufficient and Council deems it appropriate, from an additional increase in the Municipal Tax Rate;
- Capital related expenditures targeted to be at 35% of the total tax levy within the forecast period but at a future date beyond 2019; and
- Maintain an 80:20 ratio of capital expenditures for replacements/"state of good repair" to new/enhanced projects over the 10 year forecast period.

The underlying intent of these principles/guidelines is to develop a capital financing plan over the forecasted period that, while achieving the aforementioned targets, will address to some degree, the infrastructure deficit.

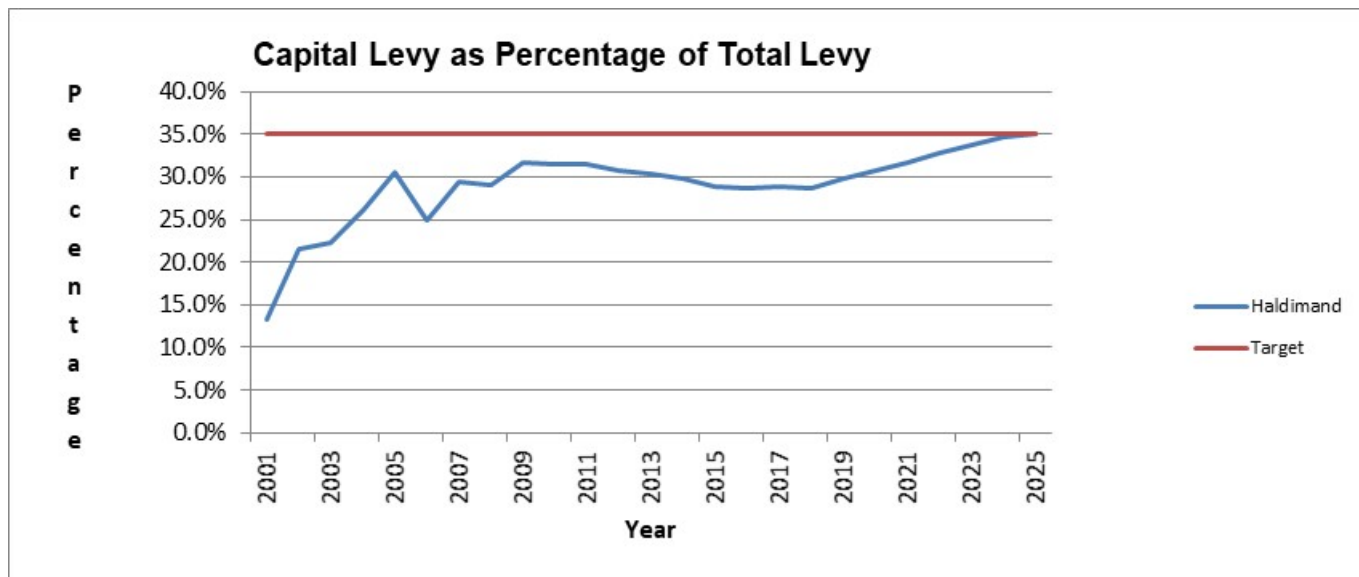
Increase Capital Related Levy to Target of 35%

Description/Rationale for Guideline: This principle was established and previously adopted by Council based on staff recommended "best practices" and financial indicators utilized by Credit Rating organizations. As part of the County's annual credit rating review by Standard and Poor's, one of the key financial indicators is Capital Expenditures as a % of Total Expenditures (Standard & Poor's rates approximately 36 Canadian municipalities). This indicator is used to assess the sustainability of the municipality's capital program. Although the County's actual capital expenditures as a percentage of total levy is currently below the target, our percentage has increased relative to previous years. The relative percentage for rated municipalities has increased substantially since 2001 with higher/stronger rated municipalities exceeding 30%. As such, the County has set a target of 35% and modified the target based on percentage of levy not actual expenditures. Although this is only an indicator, in the absence of a comprehensive asset management plan for all asset categories, this indicator has been consistently used to determine the County's ability to meet its future infrastructure needs.

Analysis: The County has significantly increased its relative contribution to capital related-expenditures since its inception in 2001. In the County's inaugural year, only 13.2% of the total levy was capital related. Annual increases over multiple years were identified to meet the established 35% target. Annual increases have been impacted in recent years due to the economic conditions and other fiscal constraints. Although the percentage increase has changed over the years (ranging from 1.5% to 0.25%), the County has recognized the importance of addressing the long range financing requirements related to the County's infrastructure needs. Based on the historical guideline of a 1% increase in the tax levy related to capital expenditures (reserve contributions or debt related payments), it is estimated that **29.76%** of the County's base levy for 2019 will be capital related.

The following graph depicts the County's historical and projected percentages over the 2001 to 2025 period based on the 2019 Draft Capital Budget and Forecast. As depicted below, steady improvement has been made in the annual tax levy investment in capital spending. It is anticipated that, by initiating successive future increases in the capital levy of 1.0%, the 35% target will be achieved by 2025 (projections assume no change in total current annual levy requirements and constant dollars for the capital forecast). As depicted below, the annual capital levy in recent years, despite annual increases, is close to maintaining the relative share of capital related financing expenditures as a percentage of total levy. As the annual levy increases, increased capital related financing is required to meet the 35% target. Any deviations from the projected increase in the annual capital levy will impact the capital forecast as the required financing may not be

available. As well, if the operating component of the annual levy increases at a rate greater than 1% per year, the portion of dollars directed towards the capital levy will decline, making this 35% target more challenging to achieve.



Note: The years 2001 through 2008 are based on reported expenditures in the annual Financial Information Return (FIR). As a result, the percentages can fluctuate year over year due to timing of completion of capital projects. The year 2009 to 2018 are based on the capital related levy in relation to the base levy for that year. The remaining years are based on the projections of the capital related levy in relation to the 2018 base levy.

Focus on “Replacement”/State of Good Repair”

Description/Rationale for Guideline: The 2019 Draft Tax Supported Capital Budget and Forecast represents a review of current and future capital needs based on replacement/“state of good repair” needs versus “new”/enhanced infrastructure needs. As 2008 was the first time an evaluation based on “replacement versus new/enhanced” capital projects had been undertaken, it is impossible to determine the historical allocation between the two categories of infrastructure needs. For analysis/presentation purposes, the following definitions/criteria have been utilized to determine the relative allocations:

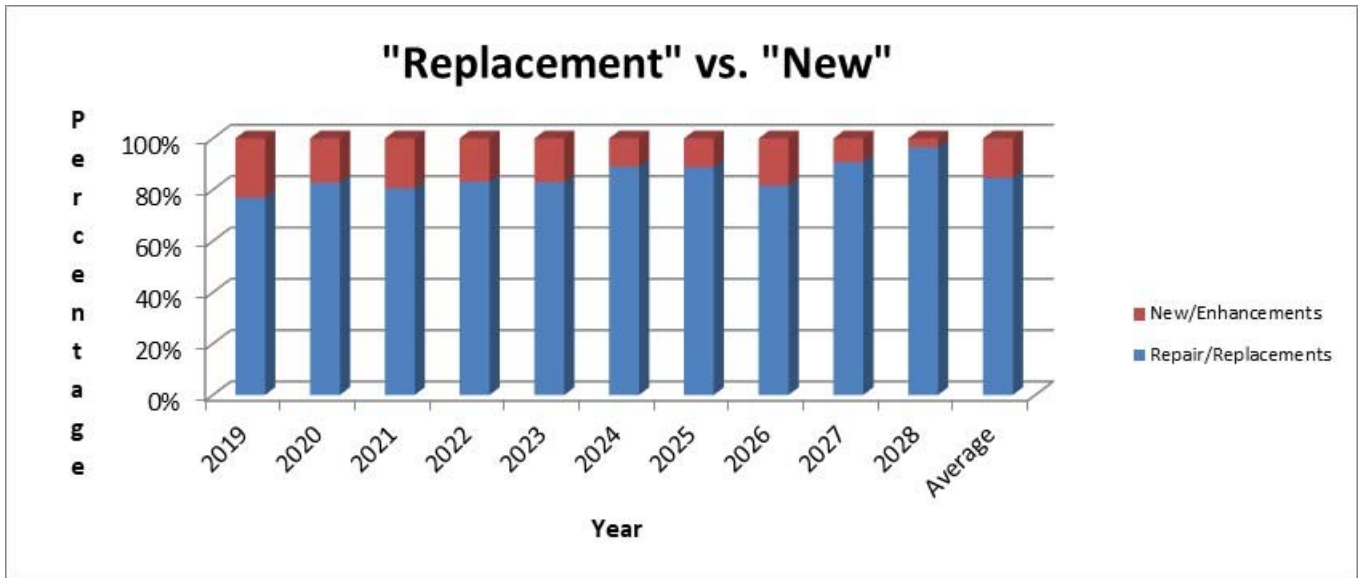
State of Good Repair (SOGR)/Replacement: Represents capital projects related to repairing/replacing an asset that the County currently owns and manages (this includes replacing existing capacity for service levels – i.e. landfills and cemeteries). These assets are typically already in the County’s inventory and are being amortized on an annual basis (this also includes studies associated with these assets – i.e. condition assessment studies). Some replacements will include “enhanced components” (e.g. enlarged square footage of fire halls due to size of new vehicles) as an integral part of the project; these would be included with the “SOGR” unless the cost is significant in relation to the original replacement cost or can be separately identified from the replacement component.

New/Enhanced Services: Represents capital projects that result in a substantial change in scope, a new process or new purchase over and beyond the current inventory allocation (this would include added excess capacity beyond the foreseeable future needs).

Given the ultimate responsibility to replace existing infrastructure and the associated costs of deferred maintenance/replacements, the proportion of capital costs related to “replacements” should be significantly higher than “new/enhanced”. In a perfect world, the County would have sufficient reserves and alternative financing sources to accommodate all replacement projects, as well as desired new/enhanced projects to achieve its corporate objectives. The reality is that the County is not in a financial position to fund, on a “pay as you go” basis, all required replacement projects, as well as the proposed new initiatives, without significant new debt or increased taxation. Ultimately, the removal/deferral of infrastructure replacements will have a long range negative levy impact as operating maintenance costs escalate and replacement costs rise exponentially based on the deterioration of the underlying asset.

The use of the Capital Financing Principles and a long range financial plan will guide in the development of a balanced approach by utilizing reserves, debt and other financing sources to fund the sustainable replacement of existing infrastructure while providing necessary resources for new initiatives. The historical guideline utilizes a target of an 80/20 allocation between Replacements versus New/Enhanced. In determining the relative percentages, projects funded from one-time specific federal/provincial grants, external funds (including donations, recoveries and Community Vibrancy Funding) and growth related projects funded from Development Charges are removed as specific funding is available for these projects (or components therein). As result, the remaining projects are financed from the County’s internal funding sources (primarily reserves/reserve funds, debt, and Provincial/Federal Grants – OCIF and Federal Gas Tax). As the current budget process is refined and financing policies are developed, it is anticipated that this principle will provide for substantially more replacements in the future, recognizing that annual fluctuations in the percentage split will likely occur due to specific priorities in a given year.

Analysis: The following chart depicts the capital project allocations for the forecast period.



The 2019 capital budget represents a 77%/23% allocation (replacement to new/enhanced, excluding external funding and CVF funds). The average over the ten year forecasted period is 85%/15%. The intent is to maintain the relative percentage over the forecasted period, recognizing certain years may fluctuate based on the nature of the specific infrastructure needs. Each of the 10 years are close to the 80%/20% allocation, until we near the end of the forecast. As the Gravel Road Conversion projects are considered “enhancements”, these projects have a consistent impact on the overall percentages on an annual basis, but as they are expected to be completed by the end of 2028, there is a greater shift to replacement in the final two years of the forecast.

Developing a Long Range Capital Financing Plan

Capital Financing Principles provide the framework for ensuring the County has a balanced financial approach while maintaining our liquidity and strong financial health. A long range plan needs to provide consistent, predictable levy increases directly associated with capital financing requirements. The focus is on a capital funding plan based on our anticipated capital replacements or growth needs. As a result, simply deferring capital projects will have some, but limited, impact on our long range financial needs unless the deferral pertains to new/enhanced programs or initiatives. The long range capital financing plan will evolve and develop as more detailed information is available to accurately predict the County’s infrastructure deficit and future investment needs.

A review of the overall gross capital costs clearly depicts a need for better underlying infrastructure data to predict replacement periods and associated costs in order to develop a long range sustainable financing plan. Although we have reported tangible capital assets for financial reporting purposes, including estimated replacement dates, this information has not been fully utilized to develop future forecasted expenditures (currently, not all asset categories had detailed asset information). In future years, we will continue to utilize this information to develop a comprehensive asset management plan that better manages the replacement of assets by the end of their useful lives. As a result, in developing the 2019 Draft Capital Budget and Forecast, the financing plan was focused on the “Short-Term” needs (1 to 3 year) as these are the most predictable. The infrastructure needs over the “Mid-Term” (4 to 6 year) period are less predictable and the “Long-Term” (7 to 10 year) period lacks key data in several asset categories to develop an accurate/predictable 10 year financing plan. This is clearly depicted in comparing the average annual gross expenditures over these periods as follows:

<u>Forecast Period (years)</u>	<u>2019 Draft Budget Average Annual Gross Expenditures</u>	<u>2018 Approved Budget Average Annual Gross Expenditures</u>
“Short Term” - 2019 to 2021	\$28.4 Million	\$25.1 Million
“Mid-Term” - 2022 to 2024	\$21.0 Million	\$20.7 Million
“Long-Term” - 2025 to 2028	\$19.6 Million	\$15.3 Million
10 year Average	\$22.6 Million	\$19.9 Million

Estimated Haldimand County “Infrastructure Deficit/Gap”

It is generally accepted that municipalities do not currently have the financial resources to fully fund the essential replacements associated with their current infrastructure needs. Although there is no statutory definition for “infrastructure deficit/gap”, a generally accepted definition is as follows: *“The total value of physical infrastructure investments that should have occurred to maintain optimal performance but did not.”*

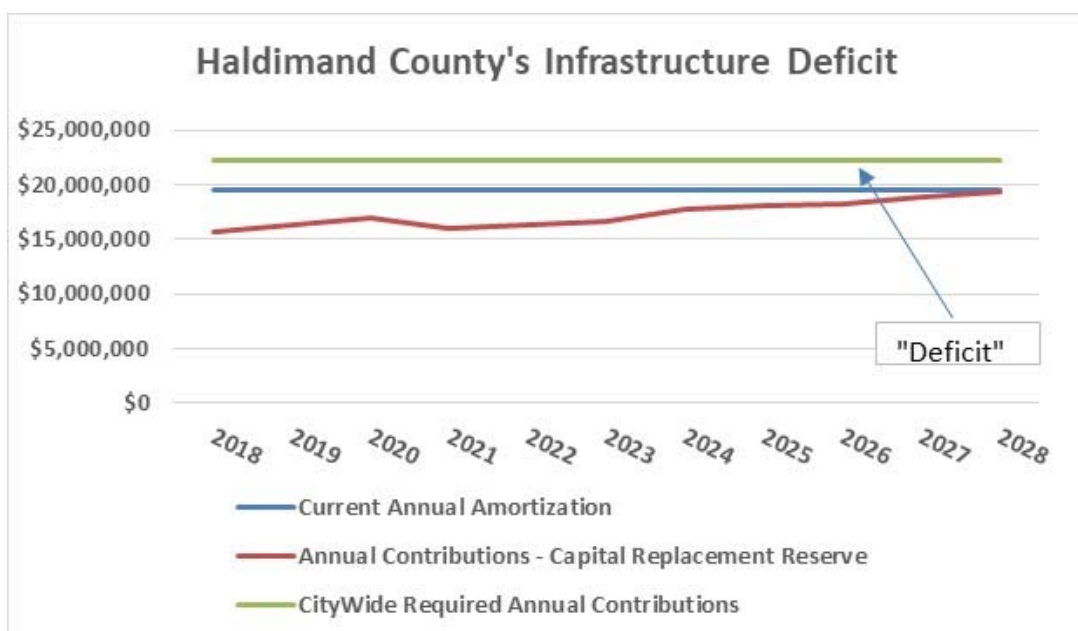
This would include any delayed rehabilitation and replacement of assets that are worn out". It is estimate that more than 50% of all public infrastructure in Canada is provided by local governments. As such, it is clear that all levels of government must be committed to sustained increases in infrastructure investments to ensure municipalities are providing safe, reliable and environmentally responsible services throughout the Province on an efficient, sustainable basis.

The County's current capital asset inventory, as reported for audited financial statement purposes, reflects the historical value of the assets, less the accumulated amortization (i.e. value used/utilized over its useful life to date). The resulting "Net Book Value" (NBV = historical cost less accumulated amortization) represents the residual value of the asset over its remaining useful life. The net book value of assets, as a % of historical cost, is a good financial indicator of the state of good repair of the County's infrastructure – the lower the relative percentage, the greater percentage of infrastructure that is nearing its replacement/end of useful life. Based on the audited 2017 financial statements, the County's net book value of assets (separated by tax supported and water/wastewater infrastructure) was as follows:

2017 Net Book Value	Historical Cost	Net Book Value (NBV)	NBV as % of Cost
Tax Supported Assets	\$639,843,778	\$314,976,975	49.2%
Water/Wastewater Assets	\$214,805,896	\$137,805,601	64.2%
Total Assets	\$854,649,673	\$452,782,576	53.0%

The County's NBV as a % of historical cost has remained relatively consistent through 2009 to 2017, albeit trending down over this period (this information has only been reported in the County's financial statements since 2009). This is a good indicator that capital asset investments have kept pace with utilization of existing assets in relative terms. In comparison to other single tier municipalities in southern Ontario (the Province completes an annual "Financial Indicator Review" of Ontario municipalities – Haldimand is grouped with 28 single tier municipalities in southern Ontario, ranging in size, but excluding Toronto), their average NBV as a % of historical cost is approximately 59% over the same time period, based on the most recent available information. Ultimately, as assets age and near the end of their useful life, the County needs to develop a long term financial plan to meet these requirements.

The County completed a comprehensive Asset Management Plan (AMP) in 2014 for the following asset categories: roads, bridges/culverts, storm sewer, water and wastewater. The plan included the required annual reserve contributions based on the anticipated cost and timing of replacement of the underlying assets in these categories. This plan identified significant annual funding shortfalls, particularly in the roads/bridges and water categories. In June 2018, Staff presented to council a draft asset management plan for asset categories not included in the 2014 editions. By utilizing the information from these AMP's, an "estimated infrastructure deficit" can be calculated for the County's tax supported infrastructure. Although based on incomplete information (not every single asset is reported for financial reporting purposes) and several assumptions, it provides an indication as to whether the County is currently providing sustainable capital funding to replace the current infrastructure.



As indicated above, despite continually increasing capital financing contributions on an annual basis, the estimated infrastructure deficit is substantial. The current annual reserve contributions of approximately \$17.5 million, lag behind both the annual amortization of \$19.6 million and the estimated annual required contributions of \$22.3 million. As a result, the average annual infrastructure "deficit" over the forecast period is approximately \$4.8 million. Although the above information is based on several assumptions (i.e. rate of inflation, interest earnings on applicable reserves, estimated useful life, replacement cost estimates, current condition assessment where available, etc.), it is a good indication that there are future funding issues to be addressed.

Summary:

Council has committed to a long range capital financing plan that provides predictable annual increases to capital related spending over the forecasted period. It was originally anticipated that the targeted capital funding level of 35% of annual expenditures would be reached by 2011 by utilizing a 1.5% annual increase in the capital levy. However, given the economic conditions and other fiscal pressures, these target increases were not maintained. Based on past years, an annual 1.0% increase in capital spending has been included in developing the draft 2019 budget. As a result, the following depicts the actual/recommended increases in capital spending since 2011:

<u>Year</u>	<u>Projected Increase</u>	<u>Actual Increase</u>
2011	1.5%	1.0%
2012	0.25%	0.26%
2013	1.0%	1.10%
2014	1.0%	0.94%
2015	1.0%	0.30% (*)
2016	1.0%	1.0%
2017	1.0%	1.0%
2018	1.0%	1.0%
2019 (recommended)	1.0%	to be reviewed

() In 2015, contributions to the Waste Management Reserve were amended during Tax Supporting Operating Budget review based on future infrastructure needs of a transfer station operations compared to operating our own landfill.*

As indicated above, there are anticipated funding shortfalls that need to be addressed to accommodate increased future capital spending as the current funding is not sustainable. It is therefore recommended to continue annual capital levy increases beyond 2019. Without this commitment, there will be insufficient funds to maintain the County’s assets in a “state of good repair”, as well as provide additional funds necessary for new/enhanced infrastructure needs to meet the County’s objectives. For long range forecasting purposes, it is assumed the annual increase will be 1.0% after 2019. This will be subject to annual approval by Council. Based on this revised plan, it is anticipated that a capital levy of 35% of the total annual tax levy will be reached by 2025.

An analysis of the current projected Capital Replacement Reserves (see Appendix C of the budget document) indicates there will be monies within the capital replacement reserves, in conjunction with other financing sources and issuance of new debt, to fund the identified infrastructure needs over the forecasted period (not all reserves are strictly utilized for replacements – some reserves also fund new/enhanced infrastructure needs). Although there appears to be sufficient funds to support the current forecasted infrastructure needs, staff are concerned with the reduction in the overall balance of the capital reserves during the “Short-Term” period, excluding the Hydro Divestiture Reserve Fund. This is indicative of three things: first and foremost, a significant “borrowing” from future CVF funds - by the end of 2019 it is expected to be in a **negative** position of **\$11.2 million** – these funds are being internally financed from Capital Replacement Reserves leaving an estimated net Capital related Reserves balance of \$13.1 million by the of 2019; second, better replacement/condition information in the short-term to determine required replacement costs in the next three years relative to later years; and third, the funding of new/enhanced asset investments, for which no previous funds were set aside. The increasing balance of the capital reserves, in later years, must not be seen as justification for the short term spending. It must be acknowledged that asset life cycle information is being improved, which will eventually lead to the identification of increased spending required throughout the entire ten year forecast. This information will be utilized to develop better long range plans to ensure replacement of key infrastructure occurs at the appropriate time with a fiscally responsible funding plan.

Gross Capital Costs Overview

The Capital Budget process has evolved over the years to focus on strategic objectives and long term financial planning. The County’s Corporate Strategic Objectives (the “3 Pillars”) form an integral part of the development process of the Capital Budget and Forecast. In addition, a multi-year approach has better managed tax levy impacts while striving to meet specific financial objectives. A corporate wide perspective and consistent rating criterion were utilized to evaluate **all** capital projects submitted for the 2019 Draft Tax Supported Capital Budget and Forecast. While individual managers evaluated and rated their own projects based on the rating criteria, a cross-sectional peer review committee independently reviewed the individual ratings for consistent application across the organization. This process has ensured a fair application of the ratings as applied to each individual project submitted for consideration during the development of the Capital Budget and Forecast. The level of replacement projects were evaluated in relation to all submitted replacement projects and the evaluation criteria were utilized to determine the appropriate level of funds

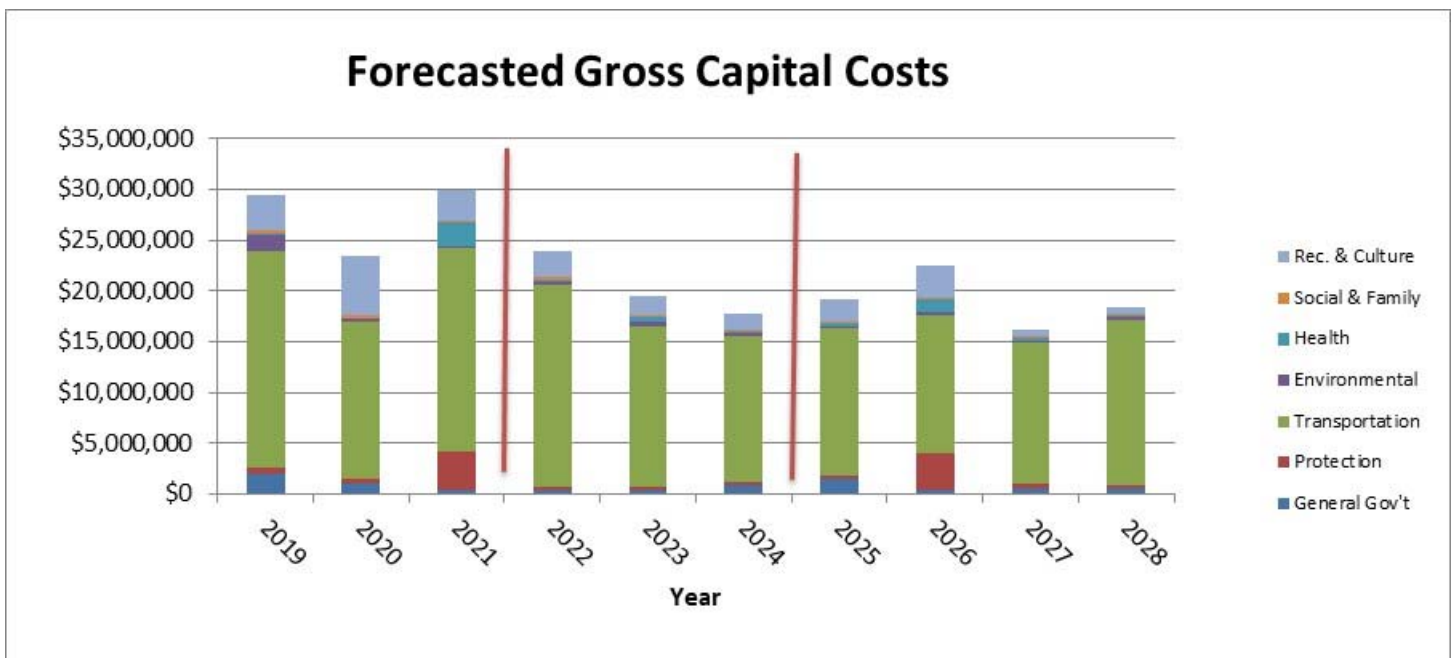
allocated to these projects for 2019. The same process was utilized to determine the level of new/enhanced projects that could be initiated in the current year.

The resulting 2019 Draft Tax Supported Capital Budget includes approximately \$30.4 million of infrastructure investment in 2019 with a total tax supported infrastructure investment of \$226.4 million over the 10 year period ending in 2028.

The format for presentation of the details of the capital projects reflects the reporting format required for the County’s Annual Financial Information Return (FIR). Although operationally the County is divided into departments (i.e. Corporate & Social Services, Financial & Data Services, Community & Development Services, Public Works Operations, and Engineering & Capital Works), these departments do not necessarily align with the FIR reporting requirements and do not always take into account the cross-divisional delivery of services provided by the County. The FIR requires specific functional areas to be grouped together. In total there are 9 functional categories, with a varying number of sub-categories as follows:

- **General Government:** Includes all corporate overhead and related capital projects. Sub-categories include Governance (i.e. CAO and Council) as well as Corporate Management and Support (i.e. Citizen & Legislative Services, Information Systems, Human Resources, Legal & Support Services, Finance and Administrative Facilities)
- **Protection Services:** Includes all services intended to protect the public and the community as a whole. Sub-categories include fire, police, court security and prisoner transportation, conservation authorities, protective inspection and control (building/municipal enforcement), emergency measures and provincial offences administration.
- **Transportation Services:** This category includes all means of transportation and associated services. Sub-categories include roadways, bridges/culverts, winter control operations, traffic operations, child crossing guards, transit, parking, street lighting and municipal airports.
- **Environmental Services:** This category includes services that impact the environment. The sub-categories include storm water management, solid waste management and waste diversion. Water and wastewater capital projects are included in a separate budget document as they are supported by user rates and not property taxes.
- **Health Services:** This category includes all health related services. The sub-categories include Public Health services, hospitals, ambulance services, and municipally managed cemeteries.
- **Social and Family Services:** This category includes services related to social and family needs of individuals. The sub-categories include social assistance programs, assistance to the aged (i.e. long term care facilities), and child care services.
- **Social Housing:** This category includes services related to subsidized housing programs for residents within the municipality. This includes public housing and not for profit housing as well as rent supplemented accommodations.
- **Recreation and Cultural Services:** This category includes all parks, recreational and cultural services. The sub-categories include parks and recreational programs, recreational facilities, libraries, museums and other cultural services (i.e. arts and entertainment).
- **Planning and Development:** This category includes all planning and development related services. The sub-categories include residential and commercial/industrial planning, agriculture and reforestation, tile drainage and shoreline management, economic development and tourism related activities.

The following graph provides an indication of the 2019 Draft Capital Budget and Forecasted capital expenditures by functional categories as noted above.



As shown above, the County’s Tax Supported Capital Plan focuses primarily in the Transportation area (i.e. roads and bridges). Traditionally, the capital projects are focused in this area as roads/bridges represent the

majority of the County's existing tax supported infrastructure (50% of the replacement value excluding water and wastewater infrastructure). On an annual basis, transportation costs represent the bulk of the annual gross capital costs over the forecast period (ranging from 59% to 86% annually – averaging 73%). Although the intent is to maintain a relatively consistent annual expenditure over the forecasted period, fluctuations are due to the timing of planned replacements of major road segments or bridge replacements. Given the detailed inventory and condition assessments for this category of assets (i.e. road condition assessments every 5 years and bridge inspections every 2 years), the timing of these replacements are fairly well predictable. As indicated by the chart above, the planned expenditures are fairly consistent over the forecast period (approximately \$16.5 million annually – albeit slightly higher in the front end as less major road reconstruction projects or new initiatives are identified in the later part of the forecast). It should also be noted that several new initiatives/programs have been added over the past years (i.e. replacing converted gravel roads, enhanced urban and rural streetscaping, and on-road trails) that have increased annual capital costs with no additional funding. These enhanced road programs have all been funded from the Capital Replacement Reserve-Roads Infrastructure Reserve. In addition, as approved by Council, starting in 2018, an increase has been included to bring the annual Gravel Road Conversion Program to an average of \$3.0 million per year for 2019 to 2022, from the current level of approximately \$1.2 million per year. The remainder of the forecast, from 2023 to 2028 includes an average of \$1.5 million per year, as the program is expected to be complete by the end of 2028. Given the magnitude of planned work in these areas, the majority of the annual increases to the capital levy noted in the financing section of this report are recommended to be contributed to this reserve to offset this utilization.

Traditionally, the other functional areas can fluctuate based on the timing of replacement needs and large scale replacement projects. It is anticipated these trends will continue during the forecasted period with cyclical changes as one-time major infrastructure replacements occur (i.e. typically during the replacement/expansion of major facilities – fire, emergency services, recreational or cultural facilities). As one of the main focuses of the capital budget is to ensure an adequate state of good repair, these allocations are consistent with infrastructure replacement needs based on life cycle.

Unlike previous years, there are limited projects funded from Community Vibrancy Funds (CVF), which would typically increase the expenditures in those applicable years. Projects within the forecast include shoulder widening for Cheapside Road, further work at the trail head of Cayuga Grand Vista, and Cayuga Village on the Green improvements.

Significant anomalies are as follows:

- General Government: communication tower replacement (\$300,000), demolition of Cayuga Firehall and Library (\$250,000), renovations related to Health and Social Services administrative space (\$520,000), and renovations at Haldimand County Caledonia Centre (as identified as part of the Central Administration building plan) totaling \$190,000 – all identified for 2019; planned replacement of computer servers in 2020 and 2025 totaling \$336,000 in each respective year;
- Protection Services: replacement/expansion of Caledonia Fire station in 2021 for \$3.4 million; replacement of Dunnville Fire station in 2026 for \$3.3 million;
- Transportation Services: proposed new/enhanced fleet inventory of \$645,000 in 2019; fleet vehicles for fire/ems due to Caledonia expansion of \$1.6 million in 2022; Caledonia Arterial Road in 2019 (\$2,400,000) and in 2021 (\$5,900,000); Argyle/Haddington Intersection improvements totaling \$840,000 in 2019; finalization of road reconstruction for Alder street in Dunnville totaling \$900,000 in 2019; Caledonia Argyle bridge replacement (Haldimand share) of \$1.3 million in 2022;
- Environmental Services: completion of storm sewer replacement on Alder Street in Dunnville in 2019 totaling \$1.25 million;
- Health Services: additional ambulance bay in Caledonia in 2021 totalling \$1.7 million; replacement ambulance depot in Dunnville in 2026 totalling \$1.2 million;
- Recreation and Cultural Services: Caledonia to Hagersville trail in 2026 for \$2.0 million; replacement of the library in Hagersville in 2020 for \$3.5 million;
- Planning and Development: planning official plan review \$475,000 in 2019, business park development plan \$175,000 in 2020, and an archaeological master plan \$150,000 in 2022.

Included in Appendix F are the anticipated annual operating impacts of the 2019 Tax Supported Capital Budget new initiatives. In aggregate, it is anticipated that there is a total net annual operating impact of \$141,070 or a 0.22% levy impact as a result of new/enhanced capital expenditure programs presented in this year's budget. These costs will be reviewed in relation to other levy drivers in the tax supported operating budget scheduled for Council's review on April 2, 2019.

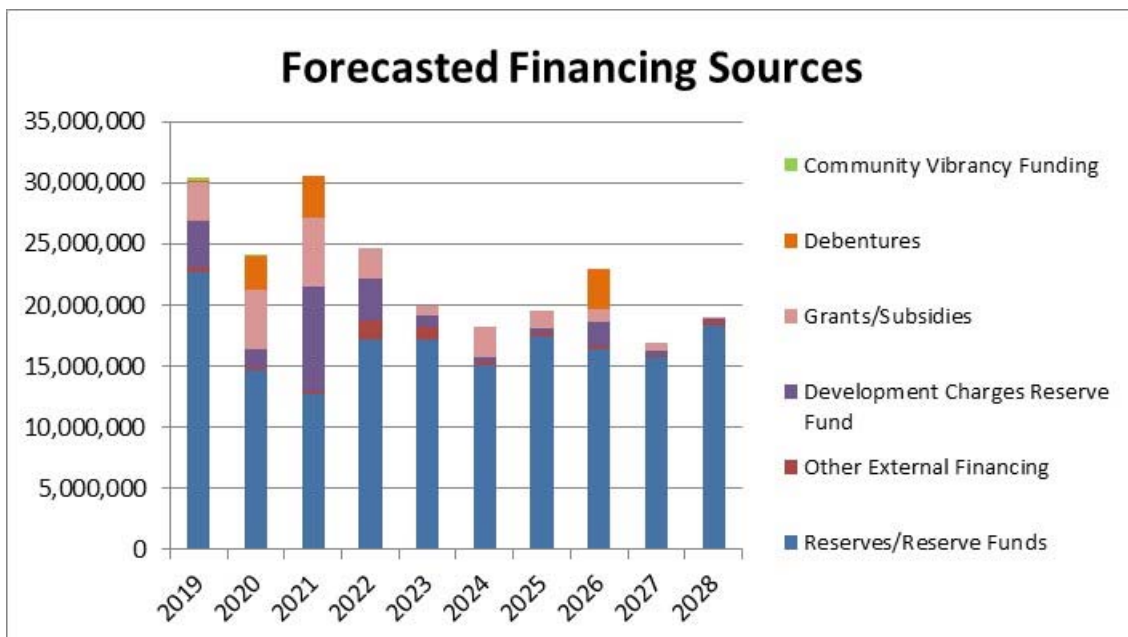
Financing Sources

The County has certain financing sources to draw upon to provide for the capital costs associated with the 2019 Draft Tax Supported Capital Budget and Forecast. The source of financing for specific projects varies depending on the availability of funds and the nature of the capital projects. As previously indicated, specific Capital Financing Principles were developed and utilized to determine the appropriate funding sources for proposed capital replacements or new initiatives. These principles are outlined in detail in Appendix A of the budget document as they relate to specific sources of funding. The application of the principles developed for the Capital Budget and Forecast provides a fundamental basis to evaluate the County’s ability to finance its required capital replacements.

Replacement of Existing Assets: When considering available funding sources for these projects, funds were applied in the following order: committed/contractual external revenue sources, available eligible grants, specific capital replacement reserves, and debt financing. In general terms, replacement of existing infrastructure is financed from specific reserves/reserve funds established for the underlying group of assets. Debt financing would only be considered, subject to the Capital Financing Principles, if sufficient funds are not available through other sources. In addition, growth related projects are funded from the development charges reserve funds as identified in the development charges background study.

Enhancements/Growth Related Projects: The only specific funding source dedicated to growth related projects is development charges. Development charges are collected for specifically identified capital projects. The County does not have established predictable sources of funding for these initiatives other than the development charges collected on the specifically identified projects. The notable exception is the use of Federal Gas Tax Funding as the criteria to utilize these funds may lend itself to both replacement and new/enhanced infrastructure needs. As a result, the remaining balance of new/enhanced initiatives must be funded from the specific capital replacement reserves that also fund the replacements.

The accompanying chart, depicts the various sources of financing for the projects in the proposed capital forecast.



Reserve funding represents the largest annual funding source and is relatively consistent throughout the forecasted period (accounting for approximately 74% over the 10 years, ranging from 42% to 97% per year).

External financing sources total 2.2% of total funding over the forecast period and can fluctuate year to year depending on the nature of the project and availability of alternative funding sources (these sources are limited primarily to: municipal recoveries for shared roads and environmental services; municipal drain chargebacks; recovery for hydro related works; and community contributions for joint projects on municipally owned assets).

There are three new projects planned for debt financing over the forecast period as follows: debt financing of \$2.8 million for the Hagersville Library replacement in 2020; replacement/enhancement of the existing Caledonia Firehall with a combined Firehall and additional Ambulance base in 2021 with the County debt requirement totaling \$3.4 million (\$2.3 million and \$1.1 million respectively); and replacement of the existing Dunnville Firehall with a combined Firehall/Ambulance base in 2026 with the County debt requirement totaling \$3.2 million (\$2.1 million and \$1.1 million, respectively).

Grant funds are primarily limited to the Federal Gas Tax and the new Provincial Ontario Community Infrastructure Fund (OCIF); totaling \$22.8 million (10.1%) over the forecast period. The tax supported allocation of Federal Gas Tax funding, totals \$14.5 million and is applied entirely to the gravel road conversion program and resurfacing of low volume rural roads (many of which were previously converted from gravel roads); the split is \$12.1 million and \$2.4 million respectively. The OCIF funding, totalling \$7.9 million based on approved contributions up to 2021, is required to be utilized within 5 years of receipt, although it has

historically been the County's approach to utilize grant funding in the year in which it is received. The balance of the grants over the forecast period relate primarily to Municipal Drains funding from OMAFRA totaling approximately \$372,880 over the forecast period.

Use of development charges over the forecast period totals approximately \$21.3 million (9.4%). The application of these funds is limited to the specific capital projects identified in the Development Charges Background Study. The majority of the Development Charges funding is related to: various projects in Transportation Services (\$14.7 million) which includes the Caledonia Arterial road totaling \$8.3 million; storm management works totaling \$424,000; replacement of Caledonia and Dunnville Firehalls totaling \$2.3 million; Caledonia EMS base totaling \$534,000, Cemetery development totaling \$392,000, Recreational Services totaling \$2.2 million (trail and park development \$1.5 million and Hagersville library for \$560,000); and planning and development services totaling \$720,000 (mostly studies and implementation of Dunnville Secondary Plan implementation \$135,000).

Grant Funding

As indicated above, the County has limited predictable grant sources for capital funding. Total financing from grants is approximately \$22.8 million (or 10.1% of total financing sources) over the entire forecasted period. Grants are typically received in one of the following ways:

- Guaranteed Annual Amounts (i.e. Federal Gas Tax and OCIF);
- Merit based granting opportunities (i.e. Provincial or Federal grant opportunities);
- One time grant funds – Typically one-time funds restricted to specific areas.

The Capital Financing Principles outline the following guidelines for allocation of these grant sources.

Federal Gas Tax – The County has an agreement in place through the Association of Municipalities of Ontario (AMO) for annual allocations of federal gas tax funding for eligible infrastructure projects. Our current annual funding allocation is approximately \$2.8 million and, as outlined in the capital financing principles, is to be allocated on a 50%/50% basis between tax supported and water/wastewater capital needs. This principle was re-evaluated and affirmed in 2017 and has been followed in the 2019 Draft Tax Supported Capital Budget and Forecast (it should be noted that our annual allocations may be impacted in future years as the Province updates its allocation methodology – current methodology is based on a per-capita basis using the 2016 Census and is fixed until 2023). As identified during presentation of the water and wastewater budget, if additional grant funding is available in future years, staff will need to reassess the allocation principles for the Federal Gas Tax funds, between water and wastewater and tax supported capital needs, in conjunction with the asset management plans and revised funding needs.

Ontario Community Infrastructure Fund – OCIF - In the summer of 2014, the Ministry of Agriculture, Food and Rural Affairs (OMAFRA) announced that the Province would be committing \$50 million per year for a period of three years to small municipalities (population less than 100,000) for the purpose of maintaining their local infrastructure. This new Ontario Community Infrastructure Fund (OCIF) requires no application on behalf of the County, as it is a formula based grant program. The County was notified that they would be receiving an annual grant of \$668,293 for the next 3 years (2015 to 2017). In the summer of 2016, OMAFRA announced revisions to the existing OCIF program. As a result of the eligibility/criteria revisions made the Province, the County's OCIF formula based grant increased from approximately \$688,300 in 2016 to \$1,208,000 in 2017, with even greater amounts for 2018 and 2019 totaling \$1.7 million and \$2.6 million, respectively. With the new OCIF program, the annual Provincial commitment to municipalities has increased from approximately \$50 million per year in 2016 (as seen with the previous agreement) to \$95 million in 2017, \$130 million in 2018 and \$200 million per year in 2019 and thereafter. The intent of this program is to assist municipalities in funding critical projects identified within their Asset Management Plans in the eligible "core infrastructure" areas (roads, bridges, water, wastewater, and storm sewer). The County's current Asset Management Plan (AMP) identifies funding needs within the core infrastructure areas with the largest infrastructure deficit shown in Roads. As a result, priority roads project are identified in the 2019 Draft Tax Supported Capital Budget for use of these funds. It is staff's understanding that this Provincial infrastructure grant is intended to be a permanent source of funding for small municipalities, but as the current agreement includes amounts to 2021, staff have not utilized this grant funding beyond 2021. As well, staff have yet to receive a revised allocation notice confirming the expected grant amount for 2019.

Competitive/"Merit Based" Application Grant Opportunities – These opportunities are announced on a periodic basis and typically involve extensive application processes and conditions/restrictions with respect to the use of these funds. Although the County submitted merit-based annual applications since 2012, we have been unsuccessful with the Province citing that the County's economic and fiscal situations were not as "challenging" as other applicants. With the revision to the OCIF funding program noted above, although this project based funding component is still included in the revised OCIF program as an available "top-up" amount, the County will no longer be eligible for the application portion of the program as the combined funding for 2017 and 2018 exceeds the \$2 million eligibility threshold. County staff monitors opportunities for one-time grant funds and will continue to apply for these opportunities for eligible projects if/when they become available.

Impacts on Long Term Debt

As outlined in the Capital Financing Principles, debt financing for tax supported projects is utilized in limited circumstances.

Existing Debt. Currently the County has outstanding tax supported debt with future principal payments totaling approximately \$25.5 million. This debt, issued between 2007 to 2017, relates to Grandview Lodge, multiple Firehall/Emergency Service facilities, community halls, arenas and the Dunnville Library (see Appendix B for details). The annual debt repayments are committed over the forecast term and are included in Summary 4 (page A-4) as part of the overall capital financing. The majority of these debentures will mature within this forecast period, resulting in the ability to increase contributions to reserves near the end of the forecast.

Proposed New Debt. New debt to be issued over the forecast term includes existing projects where construction is ongoing and the projects will be completed and debt financed in 2019 or beyond. These existing debt requirements total approximately \$21.1 million and includes the Central Administration facility (\$19.5 million) and Cayuga Library replacement (\$1.6 million). In addition, the proposed new projects to be initiated during 2019 to 2028 to be debt financed are: replacement of Hagersville library in 2020 (\$2.8 million debt to be issued) and Caledonia Firehall/Ambulance station in 2021 (\$3.2 million combined debt to be debt issued). As outlined in report PED-GM-11-2016 Re: Cayuga Bridge and Rail Trail Initiative, the funding for the conversion of the CNR train bridge would include Community Vibrancy Funding (CVF) of \$1.1 million. As the contributions to the CVF reserve fund are from future receipts, it was approved to debt finance this project with future debt payments to be repaid from the Ward 2 CVF allocation.

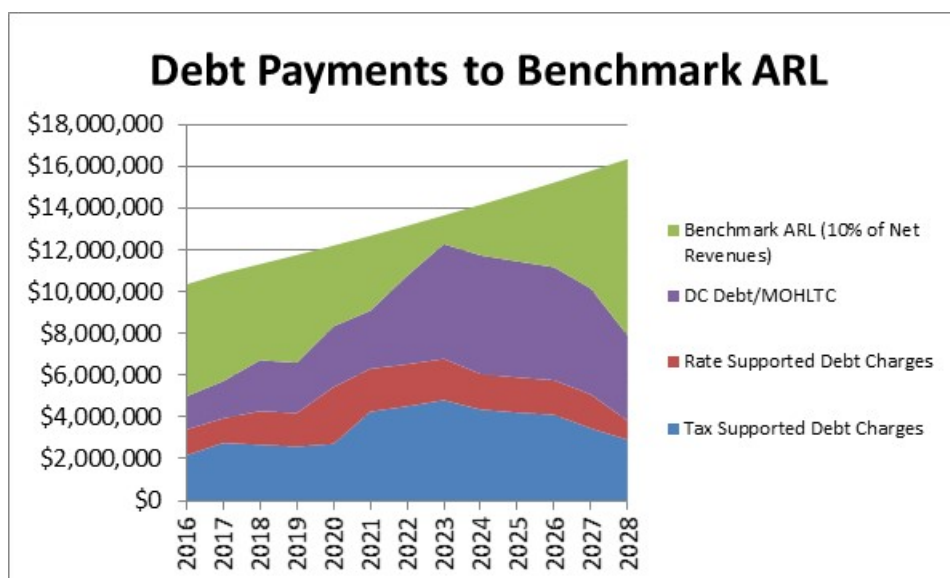
Development Charge (“DC Debt”): As outlined below, under impacts on Development Charges, it is anticipated that new debt to be recovered from future Development Charges will need to be issued over the forecast period to offset negative cash flows due to the timing of Development Charges receipts (i.e. commonly referred to as “DC or growth related debt”). These projects include DC debt financing totaling approximately \$675,800 for the Cayuga Library replacement and \$585,000 for Dunnville Alder Street storm system replacement. Anticipated debt payments for additional DC debt (i.e. for new projects beyond 2019) include \$8.3 million for the Caledonia Arterial Road, \$1.3 million for the Caledonia Argyle Street bridge replacement, \$912,000 for the Caledonia Replacement Fire Station, \$456,000 for the Caledonia EMS base, and \$437,000 for the Hagersville library replacement. Annual debt repayments for DC debt will be offset by future development charges.

The total estimated annual debt repayments over the forecast term are included in Summary 4 (page A-4) as part of the overall capital related financing.

The Ministry of Municipal Affairs and Housing regulates the level of debt that may be incurred by municipalities. Repayments can be no more than 25% of total own purpose revenue. Based on projected credit limits, as established by the Ministry of Municipal Affairs (assuming approximately a 3% increase in revenue fund net revenues annually), the County is well within its available credit limit. It should be noted that, despite the limits imposed by the Province, a prudent municipality would not consider a debt burden to this level. As a result, a guideline has been established in the Capital Financing Principles of a 10% annual debt repayment limit based on own source revenues.

Based on the projections, net tax supported debt payments do not exceed 3.5% of the County’s estimated annual revenues over the forecasted period. Total debt payments (including projected water/wastewater and DC debt) do not exceed 9.0% over the same period. Relative to the Provincial Limit, the County could legally incur additional annual debt payments in 2019 in excess of \$5.2 million; however, this would have a monumental financial impact on both tax and rate payers.

The following graph reflects the proposed total debt payments in relation to the 10% benchmark established in the Capital Financing Principles. As indicated above, principal amounts of approximately \$27.1 million in new tax supported debt and \$12.7 million in growth related debt is expected to be issued over the forecast period in addition to the existing debt currently outstanding. The maximum annual debt repayment (interest and principal portions) does not exceed \$12.3 million (including both tax, rate supported and DC debt payments) at any point during the forecast period (ranging from \$6.7 million in 2018 to \$12.3 million in 2023).



The above graph includes debt required to offset the timing of cash flows related to Development Charge receipts (typically referred to as "DC Debt") and offsetting grants for Grandview Lodge Debt (until 2027). The impact on the Development Charge Reserve Funds is explained in detail below. Rate supported debt charges are based on 2019 capital forecast projections.

In general terms, as the level of debt increases, the County's degree of flexibility to meet unanticipated expenditures diminishes. Also, the level of debt held by a municipality is a key indicator when rating agencies evaluate the municipality's financial strength. A lower credit rating results in higher interest rates paid on future debt instruments. Higher interest rates and increased annual debt payments can reduce budgetary options in financing service levels within the public's expectations (as to what an acceptable levy increase is). Given the significant infrastructure requirements, the future use of debt is unavoidable; however, fiscally sound debt policies ensure that:

- outstanding debt obligations will not threaten the municipality's long-term financial stability;
- the amount of outstanding debt will not place an undue burden on property taxpayers;
- the municipality maintains flexibility to take advantage of opportunities that arise; and
- a better matching of the ratepayers' cost of financing a proposed project with future benefits derived from the public sector investment.

Impacts on Reserves and Reserve Funds

Reserves and reserve funds form a critical component of the County's long-term financing plan and represent the major financing source for future capital projects. Included in the appendices is a summary of the tax supported Capital Replacement Reserves (CRR) and specific Capital Reserves (i.e. Park Dedication, Land Sales, etc.) as well as details of each specific reserve that has been established for tax supported capital expenditures. Debt issuance is utilized when sufficient funds are not available in specific reserves.

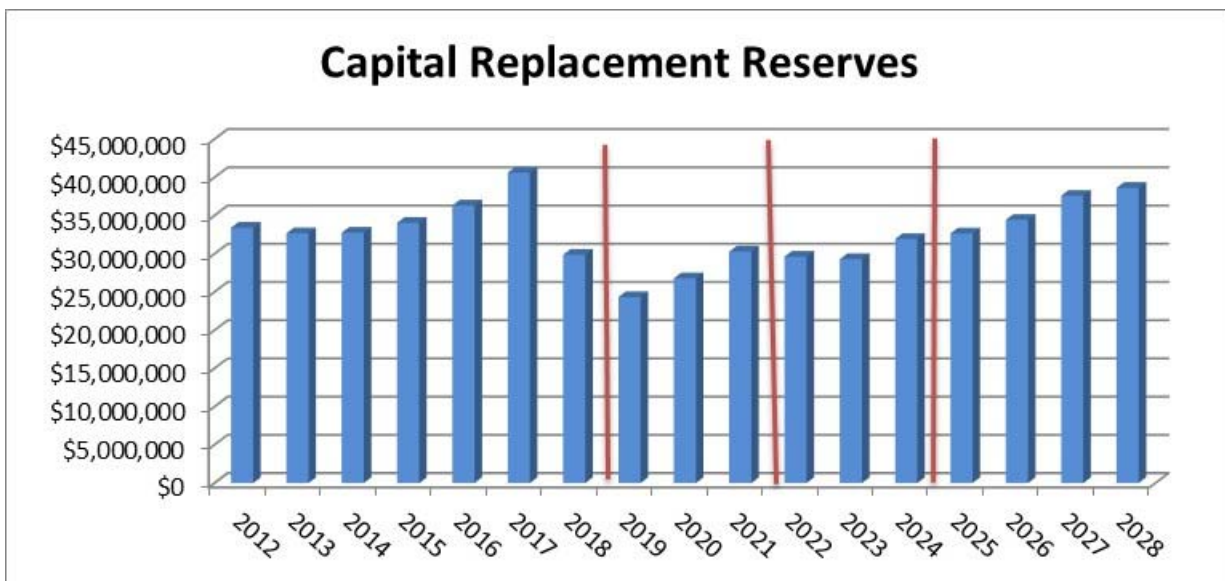
Most income for these reserves is derived from the County's tax levy. Based on the recommended 1.0% increase in the capital levy for 2019 amounting to approximately \$640,000, there are additional contributions to reserves of \$729,000. Similar to past practice, staff have made recommendations on how to allocate these additional contributions; taking into account past approvals/principles and areas with funding shortfalls over the forecast period. The rationale for the proposed recommendations is as follows:

- Increased contributions for capital related impacts of new initiatives: As identified in Appendix F, new initiatives proposed in the Tax Supported Capital Budget have both annual operating and capital impacts. The operating impacts will be included as Council approved Initiatives in the 2019 Draft Tax Supported Operating Budget, while the capital related impacts represent the annual replacement contributions for new equipment (primarily fleet and IT). As a result, it is recommended that these annual contributions be increased by approximately \$67,190 in 2019 (see Summary 4) related to the future replacement of the proposed 2019 new capital initiatives.
- Increased contributions to CRR-Community Halls: A sustained increase in major capital needs for community halls has exceeded the available funds in this reserve and current annual contributions cannot keep pace with future needs. This shortfall was identified in the 2015 Tax Supported Capital Budget and Forecast. During 2015, comprehensive building condition assessments were conducted to identify the future capital needs. Based on these assessments, additional funding was required over the forecasted period. Given annual CRR-Community Halls contributions of \$75,000, a significant shortfall would exist if the annual contributions were not increased. As a result, to address this anticipated funding shortfall, it was recommended and approved in 2016 that annual contributions be increased by \$100,000 in 2016 with a further \$175,000 per year in every year thereafter (to be re-evaluated in future years). Based on this valuation, the additional contributions to this reserve were again increased from \$175,000 to \$200,000 in 2018 and \$225,000 in 2019. A further review of updated cost estimates was recently undertaken in preparation for the 2019 capital forecast. This resulted again in a further increase required in the contribution to this reserve. Staff recommend an additional contribution of \$450,000, to be re-evaluated in future years. Based on these recommendations, the projected future contributions will match anticipated annual costs/needs.
- Increased contributions to CRRF – Library: In order to address short-term deficits in this reserve, it is recommended by staff that this reserve be allocated an additional \$230,000 in 2019. Currently it is projected that additional contributions will be required in 2020 and 2021 as well. Staff anticipate further review of future reserve requirements in future budgets.
- Increased contributions to CRR – General: As a result of committed project expenditures, the projected 2018 ending balance for this reserve is approximately \$6.3 million, a decrease of approximately \$2.6 million over the ending balance for 2017. Further to this, a sustained increase in major projects over the forecast period had resulted in the balance of this reserve falling to a low of approximately \$590,000. In order to compensate for these factors, staff are recommending that starting in 2019, the annual contributions to this reserve be increased by \$150,000 annually over the 10 year forecast period. As our preliminary asset management plan identifies a funding shortfall, balances in this reserve will need to be reviewed in conjunction with the asset management plan.
- Inflationary increase to all annual contributions: Given future costs included in the forecast are budgeted based on current costs, if it is difficult to accurately predict future costs given market and commodity price changes over time. As identified in Summary 2 on page A-2, as projects near the front part of the forecast, more accurate pricing is available which typically relates to increased budget

needs for the underlying projects. To provide the required funding for these projects due to scope/inflationary changes in our long term financing projections, it is recommended that inflationary increases be added to annual contributions to all capital replacement reserves. Based on current estimated inflation, a 2% increase has been added to annual capital replacement reserve contributions, totaling a net amount of \$212,780.

- **CRR-Roads Infrastructure:** As outlined in the County’s current asset management plan, there is an estimated infrastructure deficit in the roads and bridges category. In addition, in the absence of additional contributions, there would be a significant reduction in the CRR-Roads Infrastructure Reserve if the projected expenditures materialized. Over the past years, new road related programs have been identified and have been funded from this reserve, including; additional urban and rural streetscaping programs, on-road trials/pathways, and replacement of recently converted gravel roads. These new programs have significantly increased the funding requirements from this reserve. As well, an accelerated Gravel Road Conversion program has put additional pressure on this reserve. Given the magnitude of planned work in these areas, it is recommended that all remaining additional contributions, after implementation of the above recommendations, be allocated to this reserve. For 2019, the additional pressures related to the Community Halls and Libraries have resulted in a temporary reduction to the amount contributed to the CRR-Roads Infrastructure.

Based on the above recommendations, additional reserve contributions have been allocated to the specific reserves/reserve funds and included in the continuity forecasts of these reserves included in Appendix C. The application of reserve funds to specific projects was based on the principles outlined in the Capital Financing Principles (Appendix A). The key objective is to maintain a positive balance in each specific reserve over the forecast period while limiting the level of internal financing over the same period. Over the forecasted period, all the reserve/reserve fund financial principles are maintained.



The above chart depicts the anticipated year end balances of the reserves specifically dedicated to capital replacement (it does not include the Community Vibrancy Fund, Development Charges Reserve Funds and Federal Gas Tax allocations which are for specific capital purposes, nor does it include the Hydro Legacy Fund or Growing Communities Reserve Fund). Although a reduction in the overall balance is anticipated for 2019, the overall capital replacement reserve balance is maintained in the “Short-Term”, although lower relative to historical levels, as major infrastructure replacements are planned. In addition, there are replacement capital projects not fully reflected in the later part of the forecast (primarily parks and recreational facilities) that likely overstate the future forecasted reserve balances. Using the asset inventory for financial reporting purposes and condition assessments to identify optimum replacement timeframes, more comprehensive replacement plans need to be developed for all years to better reflect the future financing needs (i.e. the development of a sustainable Asset Management Plan).

As indicated, the above graph does not include the Community Vibrancy Fund (CVF), Development Charges Reserve Funds (DCRF) and Federal Gas Tax anticipated year end balances. The CVF balance are expected to be in a significant negative position at the end of 2019 totaling \$11.2 million. This negative position will be eliminated over time based on projected future receipts. In the interim, these shortfalls are funded from the County’s other sources of cash. As a result, the anticipated net capital reserve balance is approximately \$19.4 at the end of 2019 (excluding the Hydro Legacy Fund and Growing Communities Reserve Fund); compared to a net reserve balance of \$38.5 million at the end of 2012, a reduction of \$19.2 million over a 7 year period.

It should be noted that, with the addition of the Hydro Legacy Fund, the County’s overall “capital reserve” balance is approximately \$100 million. As outlined in the BMA Management Consulting Inc. 2018 Municipal Study, comparing over 100 participating Ontario municipalities, the County’s reserve position is near the top of all surveyed municipalities (when compared relative to: taxation revenues, own source revenues and on a per capita basis). While it is recognized there is additional funding requirements for infrastructure replacements, the County is well positioned compared to other municipalities and appears to have more financial flexibility at this time.

In order to adequately fund the proposed capital program, to stabilize year over year fluctuations in the municipal levy, and to avoid the issuance of debt on ongoing replacement and renovation/maintenance programs, it is anticipated that the annual contributions to capital reserves will need to be continually increased in future years (i.e. beyond 2019). As the comprehensive replacement needs for the County are better understood, a more fiscally responsible plan can be developed to balance debt and reserve funding. The County's past commitment to increase the annual capital levy has steadily addressed the anticipated shortfalls but will need to be re-evaluated for future years if new/enhanced capital programs are projected to continue.

Impact on Development Charges Reserve Funds

During the comprehensive update to the Development Charges By-law in 2018/2019, detailed capital projects and the relative growth related proportions were identified. Incorporated in this analysis is the financing of these requirements over the next 10 and 20 years (10 years for parking, leisure, library, general government, cemeteries and ambulance services; 20 years for roads/bridges, fleet, fire services, water/water and storm sewer). As a result, the projects included in the 2019 Capital Budget and Forecast include the projects outlined in the Background Study. As indicated above, the majority of the approximately \$21.3 Million in development charge funding outlined in this budget document is for road/bridge construction, fleet and equipment, and fire services. The inclusion of new/revised projects anticipated to be funded from development charges are evaluated annually and included for Council's approval in the applicable Capital Budgets.

During the setting of the development charge rates, the anticipated timing of receipts in relation to the infrastructure needs was evaluated. As a result, it was anticipated that certain Development Charges Reserve Funds would be "negative" over the period covered by the current rates. These shortfalls would be offset either by external borrowing ("DC Debt") for larger projects or internal borrowing for smaller projects; future debt payments (internal or external) would ultimately be collected from future rates (as these costs are fully self financed). Staff have been reviewing this information to ensure the appropriate documentation is included and approved by Council to issue the required debentures in 2019 (and beyond as necessary). A summary of the projected Development Charge Reserve Funds over the forecasted period is included in Appendix E. During the DC Update in 2018/2019, the relative development charge reserve fund balances are being re-evaluated based on growth related infrastructure needs for new development.

Conclusion/Recommendations

Despite continued difficult economic times, from a long range sustainability perspective, the 2019 Draft Tax Supported Capital Budget and Forecast maintains the County's financial flexibility and is based on sound fundamental financial principles. As an organization, despite the County's geographic size, limited tax base, constraints on development and the demands/issues resulting from restructuring, the County has made significant progress over the past years in developing a long range approach to capital budgeting. Continual improvements to the Capital Budget process will assist the County to better allocate resources and manage its significant investments in capital infrastructure.

By maintaining the current capital-related levy allocation to tax supported infrastructure, the County will achieve the following:

- Continued commitment to increase our investment in the County's infrastructure to ensure safe, reliable services to develop and grow our municipality;
- Maintain the County's credit rating based on current financial parameters while ensuring adequate reserves are available for future infrastructure replacements; and
- Limited increases in the use of debt to finance capital replacements, thereby maintaining flexibility to address infrastructure needs as they arise.

As indicated, although there is a recommended 1.0% increase to the capital levy in 2019, it is also noted that future increases will be required to maintain the current relative financial position. It must be reiterated, as well, that the full impacts of asset replacements are not captured within this proposed budget document (i.e. roads/bridges, parks and recreational facilities, and facility replacements/re-development). As the comprehensive replacement needs for the County are better understood, a more fiscally responsible asset management plan can be developed to balance debt and reserve funding (i.e. reduce the "infrastructure deficit").

It is, therefore, recommended that Council adopt the 2019 Draft Tax Supported Capital Budget and Forecast to 2028 and the financing sources recommended therein. This will approve the specific capital projects outlined in 2019 and endorse, in principle, the projects from 2020 to 2028. A commitment to a pre-determined tax levy increase associated with this continued investment in capital infrastructure will provide for better long range planning and predictable annual capital levy increases for taxpayers. It is also recommended that the proposed increase(s) in annual contributions to specific capital replacement reserves, as outlined in Summary 4 in the Executive summary on page A-4, be approved.

Respectfully Submitted by,

Charmaine Corlis

Treasurer

Mark Merritt, CPA, CA

CFO and General Manager

Financial & Data Services

HALDIMAND COUNTY
2019-2028 TAX SUPPORTED CAPITAL FORECAST
New Project Added or Projects Deleted

SUMMARY 1

Projects Greater than \$100,000

Projects Added														
Division	Project	Description	State of Good Repair, New/Enhanced Service	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	Total
Administration Facilities	171.0021 FAC ADMIN -Communication Tower Replacement	Based on a tower structural analysis, the Kohler communication tower is beyond it's useful life and needs to be replaced in 2019. The Moulton communication tower is scheduled for replacement in 2024.	SOGR	300,000					300,000					600,000
Administration Facilities	171.0022 FAC ADMIN - Lock & Security Replacement	Replacement of lock system/ hardware at County buildings based on legislative and maintenance requirements and technological upgrades.	SOGR	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	200,000
Administration Facilities	171.0023 Demo - Old Cayuga Library/Old Cayuga Firehall	To demolish the old Cayuga Library and Cayuga fire hall including removal of asbestos & designated substances, removal of services and restoration of the site.	SOGR	250,000										250,000
Administration Facilities	171.0024 Renovation for H&SS Space	Health and Social Services space - renovations. 2016 project closed at the end of 2018 to be re-identified in 2019.	New/Enhanced	520,000										520,000
Fleet and Equipment Pool	316.0096 Tandem Axle Plow/Sander - ROADS (1)	This project is identified as a result of winter control program challenges in meeting the County's Winter Control approved Service levels. Over the past several years the County has been actively converting loose top roads to hard top. As hard top roads inventory increases route completion times increase as well as more km are added to plow truck routing.	New/Enhanced	285,000										285,000
Fleet and Equipment Pool	316.0099 Utility Work Machine - FAPO (1)	Purchase of a Utility Work Machine (UWM) can be used for snow clearing (plow, brush/and or salt) as well as parks and trail maintenance operations, including trail inspections	New/Enhanced	110,000										110,000
Other Roadwork	339.0003 Drainage Consultant Culvert Assessment	The new project is a comprehensive condition assessment of the County's cross road culvert (under 3m) inventory. The proposed time frame is over 2 years 2020 & 2021 with a base budget of 200k per year – consulting fee study and report GIS data transfer. Effective 2022 a 25k placement as an annual account for drainage studies as replacement schedule is planned and initiated.	SOGR		200,000	200,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000	575,000
Road Reconstruction	372.0032 Cay - Ouse St N - Talbot to Cayuga St N [W]	Cast Iron water main replacement project and asphalt overlay of existing surface. Existing water main is 100 mm cast iron and has been identified for replacement to improve residential distribution and fireflow. Includes improvements for walkable community.	SOGR				140,000							140,000
Road Reconstruction	372.0033 Cay - Ouse St S - Talbot to Tuscarora [W]	Cast Iron water main replacement project and asphalt overlay of existing surface. Existing water main is 100 mm cast iron and has been identified for replacement to improve residential distribution and fireflow.	SOGR		100,000									100,000
Hot Mix Resurfacing	373.0107 Hald Rd 55 - Rainham Rd to Conc 4 Walpole	Road recycling and resurfacing of existing roadway surface.	SOGR						2,300,000					2,300,000
Hot Mix Resurfacing	373.0109 Hald Rd 20 - Hald Rd 53 to Nelles Cors	Project includes shave and pave of existing road. Further assessment required as we get closer to the project date.	SOGR				342,000							342,000
Hot Mix Resurfacing	373.0110 Hald Rd 20 - Nelles Cors to Hald Rd 12	Project includes shave and pave of existing road. Further assessment required as we get closer to the project date.	SOGR				775,000							775,000
Hot Mix Resurfacing	373.0111 Rainham Road - Sandusk to Haldimand Rd 55	Road recycling and resurfacing of existing roadway surface.	SOGR		855,000									855,000
Hot Mix Resurfacing	373.0112 Hawk St - Hald Rd 3 north to Nelson Steel entrance	Resurfacing of approximately 450m of Hawk Street from Haldimand Road 3 to Nelson Steel	SOGR						250,000					250,000
Hot Mix Resurfacing	373.0114 Haldimand Rd 55 - Rd 9 to Rd 20	Road recycling and resurfacing of existing roadway surface.	SOGR									1,200,000		1,200,000
Hot Mix Resurfacing	373.0115 Haldimand Rd 70 - Hwy 3 to Hwy 6	Road recycling and resurfacing of existing roadway surface.	SOGR									500,000		500,000
Structure Projects	374.0107 Hald Rd 9 at Merritt St - Retaining Wall Repl (18)	Project includes removal and replacement of existing retaining walls. Hydro pole conflicts may require support during construction.	SOGR		150,000									150,000
Structure Projects	374.0108 Hald Rd 9 at Shannon St - Retaining Wall Repl (19)	Project to be completed with Merritt St Retaining wall on Road 9. Trees may need to be removed to accommodate the wall. Need to consult arborist. Curbs may need to be removed and replaced to replace wall.	SOGR		150,000									150,000

HALDIMAND COUNTY
2019-2028 TAX SUPPORTED CAPITAL FORECAST
New Project Added or Projects Deleted

SUMMARY 1

Projects Greater than \$100,000

Projects Added														
Division	Project	Description	State of Good Repair, New/Enhanced Service	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	Total
Structure Projects	374.0109 240-246 Caithness St W - Retaining Wall Repl (10)	Project includes replacement of the retaining wall.	SOGR			150,000								150,000
Structure Projects	374.0112 62-48 Caithness St W - Retaining Wall Repl (13)	Project includes removal and replacement of existing retaining wall.	SOGR				400,000							400,000
Structure Projects	374.0113 286 Caithness St E - Retaining Wall Repl (17)	Project includes removal and replacement of existing retaining wall.	SOGR					150,000						150,000
Structure Projects	374.0118 Indiana Road Bridge Rehab (000033)	Project includes rehabilitation of the bridge. Deck overlay, new railings, guiderail, paving.	SOGR						400,000					400,000
Structure Projects	374.0119 Moote Road Bridge Rehab (D00003)	Project includes rehabilitation of the bridge. Deck overlay, new railings, guiderail, paving.	SOGR							400,000				400,000
Structure Projects	374.0120 County Road 29 Bridge Rehab (982901)	Bridge rehabbed in 2005. Railings and guiderail to code. Deck condition survey required to provide the extent of deck work.	SOGR							300,000				300,000
Structure Projects	374.0122 Pyle Driveway Culvert Replacement (986501)	Bridge is currently load posted to 5 tonnes. Bridge requires to be replaced with a culvert and railings.	SOGR	252,000										252,000
Other Roadwork	375.0053 King St E Sidewalk - Sherring to Parkview	Replacement of existing sidewalk with a wider sidewalk on the south side.	SOGR	160,000										160,000
Urban Paving Program	376.0235 Dunnville - Bridge St & Old Marina Paving	Project includes full replacement of curbs and sidewalk and shave & pave.	SOGR	300,000										
Storm Sewer	495.0039 Storm Water Management Ponds	For performing maintenance, including the draining and cleaning, of our storm water ponds. Specific projects to be further identified.	SOGR		80,000	80,000	80,000	80,000	80,000	80,000	80,000	80,000	80,000	720,000
Storm Sewer	495.0040 Highland Blvd Storm Water Pond	Project to drain, clean, and maintain the storm water pond on Highland Blvd in Caledonia.	SOGR	150,000										150,000
Cemeteries	565.0003 CAY - Expansion incl Columbarium	Build columbarium and paved pathways from parking area.	New/Enhanced							200,000				200,000
Grandview Lodge	635.0005 Privacy & Window Curtains and Bedspreads	The window curtains, privacy curtains and bed spreads were purchased in 2006 and now require replacement. All window curtains are washed at minimum of twice a year. Because of the frequent washing the curtains and bed spreads are now in poor condition. The plan is to replace all curtains and bed spreads over the next 4 years, 2019-2022. Curtains and valances in the centre core of the building will be replaced in 2023	SOGR	23,300	23,300	23,300	23,300	16,000						109,200
Parks	722.0054 CAL - Williamson Woods Playground Replacement	Replace playground equipment at Williamson Woods Park in Caledonia.	SOGR		125,000									125,000
Parks	722.0056 CAL - Dunrobin Park Playground Replacement	Replace playground equipment at Dunrobin Park in Caledonia.	SOGR							125,000				125,000
Parks	722.0057 CAL - Scott Park Playground Replacement	Replace playground equipmet at Scott Park in Caledonia	SOGR							125,000				125,000
Parks	722.0058 CAL - York Park Playground Replacement	Replace playground equipment at York Park in York	SOGR							150,000				150,000
Parks	725.0036 CAY - Canfield Playground Replacement	Replace playground equipment at Canfield Park	SOGR							150,000				150,000
Parks	726.0050 DUNN - Central Park Playground Replacement	Replace playground equipment at Central Park in Dunnville.	SOGR							125,000				125,000
Parks	729.0004 DUNN - Pt. Maitland Pier Improvements	To improve parking lot and breakwall at Port Maitland Park.	New/Enhanced				115,000							115,000
Arenas	743.0039 HAG - Arena Parking Lot Resurfacing	To resurface the Hagersville Arena parking lot. (CityWide Asset #4739 - 25,465 Sq. Ft.)	SOGR							500,000				500,000
Arenas	745.0028 CAY - Arena Rubber Floor Replacement	To replace the rubber flooring at the Cayuga Arena.	SOGR				100,000							100,000
Arenas	746.0031 DUNN - Arena Rubber Floor Replacement	To replace rubber flooring at the Dunnville Arena.	SOGR						100,000					100,000
Community Halls Partnership Program	750.0109 Canborough CC Roof Replacement	Due to roof aging and leaking is in need of repairs sooner than originally forecasted, this project has been moved up from 2022 to 2019. To be shared with the Fire Department.	SOGR	100,000										100,000
Community Halls Partnership Program	750.0110 Rainham CC - Roof/Siding Replacement	To replace the siding and roof at the Rainham Community Centre. Siding repairs completed in 2018, however is at the end of its useful life and needs to be replaced. As per the Ontario Roof Consultants report, the roof is to be scheduled for replacement in 2020.	SOGR		150,000									150,000

HALDIMAND COUNTY
2019-2028 TAX SUPPORTED CAPITAL FORECAST
New Project Added or Projects Deleted

SUMMARY 1

Projects Greater than \$100,000

Projects Added														
Division	Project	Description	State of Good Repair, New/Enhanced Service	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	Total
Jarvis Library	774.0023 Roof Replacement and Exterior Repairs	2019 - To replace existing shingled roof with metal system, Past roof repairs have not corrected leak issues; leaks continue in non-fiction and public computer (future Hub) areas of library. Inferior and poorly installed heat tracing system failed to remove snow build-up from roof.	SOGR	300,000										300,000
Dunnville Library	776.0019 Dunnville Library Elevator Replacement	Replacement of the Dunnville Library Elevator				250,000								250,000
Planning and Development Division	812.0038 Archaeological Master Plan	An Archaeological Master Plan (AMP) is a document that includes maps of known archaeological sites, built heritage resources, traditional land use patterns and areas of archaeological potential. It is developed specifically for a community using local information and reflecting local circumstances. Haldimand County's archaeological heritage extends back hundreds of years and has a diverse history due to its natural resources and strategic location on Lake Erie and the Grand River. The requirement to manage archaeological resources is established by the <i>Ontario Heritage Act and the Provincial Policy Statement</i> which require the proper management of archaeological resources. Municipalities are required to incorporate archaeological conservation objectives and policies for local archaeological resources and areas of archaeological potential into their Official Plans, land use planning documents and related development approval processes. An Archaeological Master Plan will allow the County to do all of these things.	SOGR				150,000							150,000
Economic Development/ Tourism Division	821.0008 Business Park Development - North Caledonia	The purpose of this initiative is to complete a detailed feasibility analysis and present a long-term plan for the development and availability of employment/ industrial lands within Haldimand County with a specific focus on North Caledonia. Addressing this issue will enable the County to retain, grow and attract new business. From a market demand perspective, Haldimand County will need to be involved in industrial land development for the long-term. The goal of this project is to develop a long term strategy to overcome land supply and servicing issues, selecting the best location to leverage opportunity and undertake robust due diligence to develop a business park and accompanying business plan to market and sell these lands.	New/Enhanced		175,000									175,000
TOTAL				\$ 2,770,300	\$ 2,028,300	\$ 723,300	\$ 2,070,300	\$ 391,000	\$ 3,475,000	\$ 2,200,000	\$ 125,000	\$ 1,825,000	\$ 125,000	\$ 15,733,200

HALDIMAND COUNTY
2019-2028 TAX SUPPORTED CAPITAL FORECAST
New Project Added or Projects Deleted

SUMMARY 1

Projects Greater than \$100,000

Projects Deleted													
Division	Project	Description	State of Good Repair, New/Enhanced Service	2019	2020	2021	2022	2023	2024	2025	2026	2027	Total
Information Systems	136.0052 Corporate Website Re-Design	Project being delayed until 2029.	SOG									100,000	100,000
Fleet and Equipment Pool	316.0087 Pumper - FIRE	Project is no longer required at this time,	New/Enhanced				580,000						580,000
TOTAL				\$ -	\$ -	\$ -	\$ 580,000	\$ -	\$ -	\$ -	\$ -	\$ 100,000	\$ 680,000

HALDIMAND COUNTY
2019-2028 TAX SUPPORTED CAPITAL FORECAST
Scope/Price Increase/Decrease

PROJECTS GREATER THAN \$100,000 FOR SCOPE INCREASE/DECREASE GREATER THAN \$25,000:

Division	Project	Descriptions	State of Good Repair, New/Enhanced	Year of Project	2018-2027	2019-2028	Increase/ (Decrease)
Information Systems	136.0009 Servers	The SAN (Storage area network) have increased in cost, and we need more overall storage.	SOGR	2020, 2025	590,000	672,000	82,000
Information Systems	136.0023 Software Replacement	This includes IT core technology and excludes all software related to BAS.	SOGR	2021, 2022, 2025, 2027, 2028	279,000	228,000	(51,000)
Administration Facilities	171.0009 FAC ADMIN - Asbestos Management Program	As asbestos abatement is completed in a facility, inspections are no longer required. 2018 projects underway (-\$20,800), able to decrease 2019 to 2027 (-\$50,400) due to work done in 2018, added 2028 to annual projects (\$9,500)	SOGR	2019-2028	180,100	118,400	(61,700)
Administration Facilities	171.0020 FAC ADMIN - Central Admin Facility - Post Warranty	Changed from \$34K in 2021 to 2027 to \$50K in 2022 to 2028 to cover post warranty period.	New/Enhanced	2022-2028	238,000	350,000	112,000
Fire Services	221.0001 Nozzles/Appliances	Decreased budget due to sufficient inventory held. Replacement will be on an as needed basis. Remains an annual project.	SOGR	2019-2028	150,000	100,000	(50,000)
Fire Services	221.0006 Bunker Gear	2018 removed, 2028 added. 2019 increased due to initial purchase in 2008. Also confirmed by suppliers, price will be increasing by 4% for each of the next 3 years.	SOGR	2019-2028	435,000	504,000	69,000
Fire Services	221.0009 Firefighting Tools	Decreased budget due to sufficient inventory held. Replacement will be on an as needed basis. Remains an annual project.	SOGR	2019-2028	200,000	150,000	(50,000)
Fire Services	221.0011 Pagers/Portable Radios- Com'n Equip't	Increased this budget due to the aging and conditions of portable radios. Required to upgrade to newer technology, which will increase cost. Will take number of years to replace aging portables. Cost of a portable radio is approximately \$1200 and the Fire Department has replaced approximately 180+. Pagers are required to be replaced as well as old pagers are no longer programmable, thus requiring the purchase of new technology, which we currently are using. However, we have to budget to replace the older pagers over time which are in use. We will be required to replace each firefighter in the counties pager at a approximate cost of \$480 currently, with approximately 270 pagers to be replaced over the few years as equipment ages and technology changes.	SOGR	2019-2028	272,700	347,000	74,300
Fire Services Paramedic Services	222.0002 Caledonia Fire Station Replacement 542.0001 Caledonia Paramedic Services Base	Increase budget to \$375/sq. ft (per DC Study) and increased temporary financing accordingly. Also added \$42,000 for a feasibility study in 2019.	SOGR	2019, 2021	4,525,300	5,152,300	627,000
Fire Services Paramedic Services	226.0023 Dunnville Fire Station Replacement 546.0001 Dunnville Paramedic Services Base	Increase budget to \$375/sq. ft (per DC Study) and increased temporary financing accordingly.	SOGR	2026	4,231,600	4,533,200	301,600
Fleet and Equipment Pool	315.0002 Ambulances (10 Yr Forecast)	Ambulance sees an increase from \$145,000 to \$175,000 to accommodate the addition of the Power Loader systems approved in 2018. The increase impacts 10 Units in the forecast.	SOGR	2020-2027	1,460,000	1,585,000	125,000

HALDIMAND COUNTY
2019-2028 TAX SUPPORTED CAPITAL FORECAST
Scope/Price Increase/Decrease

PROJECTS GREATER THAN \$100,000 FOR SCOPE INCREASE/DECREASE GREATER THAN \$25,000:

Division	Project	Descriptions	State of Good Repair, New/Enhanced	Year of Project	2018-2027	2019-2028	Increase/ (Decrease)
Fleet and Equipment Pool	315.0003 Loaders, Tractors, Sweepers (10 Yr Forecast)	As a result of recent quotes, Tractor (28-37 hp) sees an increase in replacement cost from \$36,000 to \$45,000, the increase impacts 5 units in the forecast. Street Sweeper sees an increase in replacement cost from \$300,000 to \$375,000, the increase impacts 3 units in the forecast.	SOGR	2020, 2021, 2023, 2026-2028	1,145,000	1,880,000	735,000
Fleet and Equipment Pool	315.0007 Misc Equip & Tools (10 Yr Forecast)	As a result of recent cost reviews, Miscellaneous Tools, sees an increase in replacement cost from \$4,000 to \$5,000, increase impacts 4 units in the forecast. As a result of a recent quote, Scissor Lift, sees an increase in replacement cost from \$7,000 to \$11,000, increase impacts 1 unit in the forecast. Shown in both, shifts in Timing, and Price/Scope Change	SOGR	2020-2028	314,050	342,100	28,050
Fleet and Equipment Pool	315.0020 Cars, Vans, Pickups (10 Yr Forecast)	As a result of recent quotes, Compact Pickup SUV, increases in replacement cost from \$30,000 to \$32,000, increase impacts 12 Units in the forecast. Full Size Pickup, increases from \$33,000 to \$35,000 increase impacts 13 units in the forecast, 4 of which are replaced twice in the forecast due to the change in Useful life from 10 years to 8 years. 4WHD Pick up, increases in replacement cost from \$35,000 to \$38,000, increase impacts 7 units in the forecast, based on their useful life, 3 units will be replaced twice in the 10 year forecast. Club Cab Pickup, increases in replacement cost from \$33,000 to \$35,000, increase impacts 11 units in the forecast, 4 of which, will be replaced twice in the 10 year forecasts. Crew Cab Pickup, increases in replacement cost from \$33,000 to \$35,000 the increase impacts 8 units in the forecast, 3 of which will be replaced twice in the forecast. Compact Pickup, increases from \$30,000 to \$32,000, the increase impacts 7 units in the forecast. Full Size Pick up, increases from \$33,000 to \$35,000, increase impacts 5 units in the forecast, 2 of which will be replaced twice in the 10 year forecast. Full Size Pickup Winter control, increases from \$33,000 to \$35,000, the increase impacts 4 units in the forecast, with both units being replaced twice in the 10 year. Shown in both, shifts in Timing, and Price/Scope change	SOGR	2020-2028	2,378,000	2,606,000	228,000
Fleet and Equipment Pool	315.0022 Ice Equipment (10 Yr Forecast)	As a result of recent quotes, Ice Resurfacer sees in increase in replacement cost from \$90,000 to \$100,000, increase impacts 5 units in the forecast.	SOGR	2020-2025, 2028	380,000	520,000	140,000
Fleet and Equipment Pool	315.0023 One Tons and Special Equipment (10 Yr Forecast)	As a result of recent quotes, Conventional Cab Dual Wheel, sees an increase from \$60,000 to \$70,000, the increase impacts 3 units in the forecast. Conventional Cab Dual Wheel with plow, sees an increase from \$62,000 to \$68,000 the increase impacts only 1 unit. Conventional Cab, 4x4 Dual Wheel, sees an increase from \$72,000 to \$75,000, the increase impacts 3 units in the forecast.	SOGR	2021, 2022, 2024, 2025, 2028	712,000	678,000	(34,000)

HALDIMAND COUNTY
2019-2028 TAX SUPPORTED CAPITAL FORECAST
Scope/Price Increase/Decrease

PROJECTS GREATER THAN \$100,000 FOR SCOPE INCREASE/DECREASE GREATER THAN \$25,000:

Division	Project	Descriptions	State of Good Repair, New/Enhanced	Year of Project	2018-2027	2019-2028	Increase/ (Decrease)
Fleet and Equipment Pool	315.0026 Plow Trucks and Motor Graders (10 Yr Forecast)	As a result of increased tariffs, Tandem Axle Plow, see an increase in replacement costs from \$285,000 to \$610,000, the increase impacts 13 units in the forecast.	SOGR	2020, 2023-2025, 2027-2028	3,655,000	5,865,000	2,210,000
Fleet and Equipment Pool	315.0028 Trailers and Rollers (10 Yr Forecast)	As a result of recent quotes, Low bed Float, sees an increase from \$12,000 to \$20,000, increase impacts 1 unit in the forecast. Low bed float 16-40 Ton, sees an increase in the replacement cost from \$28,000 to \$40,000, increase impacts 2 units in the forecast. Highway Trailer/Stage, sees an increase from \$45,000 to \$75,000, increase impacts only this unit. Shown in both, shifts in Timing, and Price/Scope Change	SOGR	2020, 2022, 2024, 2026-2028	133,500	212,000	78,500
Fleet and Equipment Pool	315.0029 Fire Apparatus Equipment (10 Yr Forecast)	As a result of recent quotes, ERU sees an increase in replacement cost from \$45,000 to \$50,000 the increase impacts 8 units in the forecast. Trailer, sees an increase in the replacement cost from \$3,000 to \$4,500, increase impacts 1 unit in the forecast.	SOGR	2020, 2023, 2025, 2027, 2028	320,500	397,500	77,000
Fleet and Equipment Pool	315.0159 Flusher/Vacuum Truck (2018) - WWW (1)	The Flusher Unit (full size hydro-excavation unit), originally approved in the 2018 Budget, has seen a significant increase due to changes in requirements for Road Building Machines, which included units now be equipped with Tandem axles rather than a single axle. As a result the 2018 project in the amount of \$375,000 will be closed, with the unit reidentified in 2019, with an updated cost of \$525,000,	SOGR	2019	375,000	525,000	150,000
Fleet and Equipment Pool	318.0007 Building-Storage & Parts Room	Project increased to reflect \$50,000 for the design portion and \$400,000 for the build. The scope of the project changes in 2019 include the following, alterations to the existing building such as proper hand washing and decontamination shower for automotive technicians, proper fixtures for janitorial services, outdoor eating/rest area and alterations to office spaces, upstairs lunchroom, training room, change room and washrooms to provide more functionality and efficiencies. Design/Drawings scheduled for 2019 - \$50,000, with construction to be completed in 2020 (\$400,000) to coincide with the replacement of Roof Deck.	New/Enhanced	2019-2020	350,000	450,000	100,000
Roads Facilities	322.0008 Oneida Building-Roof Replacement	Project reidentified with budget increased as a result of tender bid results in 2018. Anticipate completing project in 2019	SOGR	2019	100,000	200,000	100,000
Roads Facilities	322.0038 Dunnville Garage - Retrofit Overhead Doors (4x12ft) (2017)	Project reidentified with budget increased as a result of tender bid results in 2018. Anticipate completing project in 2019	SOGR	2019	125,000	300,000	175,000

HALDIMAND COUNTY
2019-2028 TAX SUPPORTED CAPITAL FORECAST
Scope/Price Increase/Decrease

PROJECTS GREATER THAN \$100,000 FOR SCOPE INCREASE/DECREASE GREATER THAN \$25,000:

Division	Project	Descriptions	State of Good Repair, New/Enhanced	Year of Project	2018-2027	2019-2028	Increase/ (Decrease)
Other Roadwork	331.0001 Raised Traffic Island and Curb Rehabilitation	This project is defined as a restoration/rehabilitation program aimed at addressing deficient barrier curb and raised traffic islands that have deteriorated beyond the point of maintenance and that are in need of full rehabilitation. This project also includes construction of new infrastructure requirements within the current curb/sidewalk/raised island inventory that is viewed as location oversight. Program scheduling is prioritized based on risks associated with personal injury and/or loss, and regular maintenance programming and reconstruction scheduling. This is an annual project that was budgeted at \$60,000/year and has now been increased to \$100,000/year	SOGR	2019-2028	600,000	1,000,000	400,000
Other Roadwork	331.0002 Hot Mix Padding - Sealing Program	This program is planned to address localized areas on asphalt roads that have deteriorated to a point where major replacement/repair is required. This program will extend the time until a full rehabilitation of the entire road is required and will target those areas that have a high maintenance demand.	SOGR	2019-2028	500,000	1,000,000	500,000
Other Roadwork	339.0001 Culvert Placement and Lining Rehabilitation	Annual budget has been increased from \$100,000/year to \$200,000/year as current program demand exceeds the current annual program.	SOGR	2019-2028	1,000,000	2,000,000	1,000,000
Road Reconstruction Storm Sewer	372.0017 Dun - Alder St - Cedar to West [W] [WW] [SS] 495.0032 Dun - Alder St - Cedar to West [W] [WW] [R]	Project estimate updated in 2018 by Consultant. Phase 2B revised and lowered as a result.	SOGR	2019	4,587,500	2,150,000	(2,437,500)
Hot Mix Resurfacing	373.0024 Cay-Thorburn St S-Talbot to Urban Limit	The work is required due to the planned subdivision located across from the arena lands and as the subdivision plans have been refined, the road reconstruction requirements and scope have changed. Anticipated funding from developer.	New/Enhanced	2023	255,000	750,000	495,000
Hot Mix Resurfacing	373.0025 Haldimand Road 3 - Hald Rd 55 to Hald Rd 70	Industry has advised that production is continuing which includes the current overload permits. This necessitated increasing the budget to account for the heavy vehicles, and 0.5m widening.	SOGR	2024	1,760,000	2,200,000	440,000
Hot Mix Resurfacing	373.0037 Rainham Rd- Cheapside Rd to Hald Rd 53	Budget has been decreased to reflect current pricing and updated estimate.	SOGR	2020	900,000	845,000	(55,000)
Hot Mix Resurfacing	373.0041 Rainham Rd-Sandusk Rd to Cheapside Rd	Budget has been decreased to reflect current pricing and updated estimate.	SOGR	2020	950,000	875,000	(75,000)
Hot Mix Resurfacing	373.0077 Haldimand Rd 54 - Indiana Rd to Indian St	Budget has been increased to reflect current pricing and updated estimate.	SOGR	2023	986,400	1,090,000	103,600
Hot Mix Resurfacing	373.0081 Hald Rd 3 – Hald Rd 70 to Norfolk Townline	Price increase in 2018 reflects project scope change	SOGR	2019	800,000	1,000,000	200,000

HALDIMAND COUNTY
2019-2028 TAX SUPPORTED CAPITAL FORECAST
Scope/Price Increase/Decrease

PROJECTS GREATER THAN \$100,000 FOR SCOPE INCREASE/DECREASE GREATER THAN \$25,000:

Division	Project	Descriptions	State of Good Repair, New/Enhanced	Year of Project	2018-2027	2019-2028	Increase/ (Decrease)
Hot Mix Resurfacing Other Roadwork Urban Paving Program	373.0102 Argyle Street - Braemar Ave to Forfar St 375.0046 Argyle/Haddington Intersection Improvements - Caledonia 376.0127 Cal- Haddington - Argyle to Wigton	Project cost increased to include full replacement of curbs and sidewalks. Project scope revised to include full traffic signals at Haddington/ Argyle, re-aligning the road on Haddington, creating a new road between the Retirement home and the Plaza. All curbs and sidewalk to be removed and replaced.	SOGR	2019	1,677,100	2,740,000	1,062,900
Hot Mix Resurfacing	373.0113 Stoney Creek Rd - Rd 54 to Hald Rd 66	Upgrading road from LCB to HCB based on detailed estimates. Budget adjusted accordingly.	SOGR	2019	600,000	1,100,000	500,000
Structure Projects	374.0027 Dennis Bridge Rehab (980305)	Project scope increased to address major element issues as recommended through a condition assessment completed in 2018	SOGR	2019	725,000	1,200,000	475,000
Structure Projects	374.0033 Townline Bridge Repairs (D00005)	Cost estimates from consulting bridge engineer based on OSIM inspections	SOGR	2026	408,000	308,000	(100,000)
Structure Projects	374.0040 Peart Bridge - River Rd Rehab (000032)	Budget has been decreased to reflect current pricing and updated estimate.	SOGR	2026	627,300	570,000	(57,300)
Structure Projects	374.0044 Conc 6 Bridge, Walpole Replacement (010076)	Project budget increased in 2018 as a result of review.	SOGR	2022	328,400	382,000	53,600
Structure Projects	374.0058 Hart Rd Drain Replacement (D00005C)	Budget has been decreased to reflect current pricing and updated estimate.	SOGR	2020	408,000	330,000	(78,000)
Structure Projects	374.0076 Nanticoke Rd Culvert Replace (975503)	Project changed to a replacement. Budget increased in 2018 to reflect a replacement	SOGR	2023	255,000	500,000	245,000
Structure Projects	374.0081 Wilkins Bridge Conc 5 Walpole Rehab (010012)	Budget has been increased to reflect current pricing and updated estimate.	SOGR	2022	510,000	545,000	35,000
Structure Projects	374.0082 Reicheld Bridge Conc 5 Walpole Rehab (010020)	Budget has been increased to reflect current pricing and updated estimate.	SOGR	2024	612,000	667,000	55,000
Structure Projects	374.0084 Cheapside Bridge Rehab (010004)	Budget has been increased to reflect current pricing and updated estimate.	SOGR	2024	397,800	436,000	38,200
Structure Projects	374.0090 Townline Road Bridge Rehab D00004	Budget has been increased to reflect current pricing and updated estimate.	SOGR	2027	357,000	450,000	93,000
Structure Projects	374.0092 Hutchinson Road Bridge Rehab 116501	Budget has been increased to reflect current pricing and updated estimate.	SOGR	2020	255,000	321,000	66,000
Structure Projects	374.0093 Boston Creek Bridge 980905 Rehab	Budget estimate revision in 2018 - costs are as per Engineer's estimate	SOGR	2023	408,000	311,000	(97,000)
Structure Projects	374.0102 Montague Bridge Rehab (010024)	Project budget based on estimates from similar bridge rehabs. Budget revision in 2018	SOGR	2027	459,000	410,000	(49,000)
Structure Projects	374.0104 Nanticoke Rd Culvert Replace (975501)	Project changed to a replacement. Budget increased in 2018 to reflect a replacement	SOGR	2027	306,000	550,000	244,000
Other Roadwork	375.0011 Decommission Old Gas Wells/Cisterns	\$20,000 open and active in 2018. Going forward, this will be an annual project budgeted at \$35,000/year.	New/Enhanced	2019-2028	20,000	350,000	330,000
Other Roadwork	375.0047 Road 20 Shoulder Paving - Parkview Rd to Rd 27	Budget has been increased to reflect current pricing and updated estimate.	New/Enhanced	2019	155,000	200,000	45,000

HALDIMAND COUNTY
2019-2028 TAX SUPPORTED CAPITAL FORECAST
Scope/Price Increase/Decrease

SUMMARY 2

PROJECTS GREATER THAN \$100,000 FOR SCOPE INCREASE/DECREASE GREATER THAN \$25,000:

Division	Project	Descriptions	State of Good Repair, New/Enhanced	Year of Project	2018-2027	2019-2028	Increase/ (Decrease)
Urban Paving Program	Various projects throughout Haldimand County	Projects updated in 2018 to include removal and replacement of all sidewalks and curbs. 2019 experience will be used for review of cost estimated to be included in the 2020-2029 capital forecast.	SOGR	2020-2028	9,716,200	15,067,970	5,351,770
Other Roadwork	377.0007 Roads Needs Study	\$75,000 open and active in 2018. Project budgeted at \$75,000/year and re-occurs every 4 years.	SOGR	2022, 2026	225,000	150,000	(75,000)
Gravel Road Conversion Program	Various projects throughout Haldimand County	To reflect current budget allocations and pricing; and completion of program by the end of 2028.	New/Enhanced	2019-2028	23,706,200	21,073,420	(2,632,780)
Surface Treatment Program	383.0094 River Road - Hwy 3 to Sutor Rd [Tr]	Project to coincide with new bike path project - C.725.0031 Budget \$570,000 - based on experience with recent road/trail work.	SOGR	2021	650,000	1,000,000	350,000
Surface Treatment Program	383.0110 Johnston Rd - Rd 11 to Sandy Bay Rd	Upgrading road from LCB to HCB based on detailed estimates	SOGR	2019	380,000	750,000	370,000
Surface Treatment Program	383.0114 Blue Water Pkwy - Wheeler Rd to old bridge	Upgrading road from LCB to HCB based on detailed estimates	SOGR	2019	225,000	325,000	100,000
Surface Treatment Program	383.0120 Cheapside Rd - Rainham Road to South Coast Drive	Upgrading road from LCB to HCB based on detailed estimates	SOGR	2019	170,000	400,000	230,000
Surface Treatment Program	383.0140 Conc 15 Walpole - Hald Rd 20 to Hald Rd 70	Timing and priorities changed based on latest roads needs study and detailed estimate	SOGR	2020	320,000	600,000	280,000
Surface Treatment Program	383.0153 Conc 14 Walpole - Hald Rd 55 to Hald Rd 70	Timing and priorities changed based on latest roads needs study and detailed estimate	SOGR	2025	320,000	150,000	(170,000)
Surface Treatment Program	383.0155 2nd Line - McKenzie Rd to Six Nations Boundary	Timing and priorities changed based on latest roads needs study	SOGR	2028	375,000	400,000	25,000
Paramedic Services	541.0002 Defibrillator Replacement	2018 budget removed (\$180,000) and added 2028 for lifecycle replacement (4 units \$150K)	SOGR	2022, 2023, 2027, 2028	630,000	600,000	(30,000)
Paramedic Services	541.0009 Power Stretchers Replacement	2018 budget removed (\$240,000). Budget increased from \$20K to \$25K per unit.	SOGR	2023, 2024	240,000	175,000	(65,000)
Cemeteries	561.0003 GEN CEM - Cemetery & Headstone Restoration	Increase due to volume of restorations required and increase in avg. cost of restorations to \$1k per monument; have only been able to complete 4-5 restorations per year with current budget.	SOGR	2019-2028	100,000	235,000	135,000
Tree Conservation & Reforestation	561.0004 GEN CEM - Remove & Replace Trees 333.0001 ROADSIDE - Remove & Replace Trees 721.0011 GEN PARK - Remove & Replace Trees	Work/Area priority adjustments; increased focus on tree inventory resulted in increased needs.	SOGR	2019-2028	3,774,000	4,900,000	1,126,000
Grandview Lodge	634.0010 Low to the Floor Electric Beds	Price of each bed has increased \$535. No budget for 2023. Beds purchased in 2009 will start being replaced in 2024.	SOGR	2019-2022, 2024-2028	162,000	195,300	33,300
Parks	721.0002 GEN PARK - Park Development & Master Plan Init's	Park Development projects - removed as projects are developed. Added 2028.	New/Enhanced	2021-2028	350,000	400,000	50,000
Parks	723.0031 HAG - Replace skateboard park	Increased budget based on historical projects	SOGR	2022	200,000	400,000	200,000
Parks	725.0009 CAY - Skate Park/Tennis Court Replac.	Increased budget based on historical projects	SOGR	2022	200,000	400,000	200,000
Parks	726.0027 DUNN - Parks Workshop Replacement	Previously budgeted at higher building cost. 2360 sq.ft. Estimated new build at \$200/sq. ft. (per DC Study)	SOGR	2023	650,000	472,000	(178,000)
Parks	726.0038 DUNN - Lions replace bldg roof/eavestrough	Budget updated from \$50,000 to \$250,000 based on current costing.	SOGR	2022	50,000	250,000	200,000

HALDIMAND COUNTY
2019-2028 TAX SUPPORTED CAPITAL FORECAST
Scope/Price Increase/Decrease

PROJECTS GREATER THAN \$100,000 FOR SCOPE INCREASE/DECREASE GREATER THAN \$25,000:

Division	Project	Descriptions	State of Good Repair, New/Enhanced	Year of Project	2018-2027	2019-2028	Increase/ (Decrease)
Parks	726.0039 DUNN - Kinsmen replace bldg roof/eavestrough	Budget updated from \$40,000 to \$125,000 based on current costing.	SOGR	2026	40,000	125,000	85,000
Parks	727.0043 TOWN - Lions Park Roof Repair/Maintenance	Budget updated from \$40,500 to \$125,000 for the replacement of the roof.	SOGR	2019	40,500	125,000	84,500
Parks	727.0049 TOWN - Lions Park Washroom/Storage Repl	Budget updated from \$150,000 to \$200,000 based on current costing.	SOGR	2019	150,000	200,000	50,000
Arenas	744.0008 HCCC - Arena Compressor Rebuilds	Increased rebuild cost from \$16,000/year to \$20,000/year for 6 years based on 2018 costs at the Cayuga Arena. Also added \$20,000 in 2028.	SOGR	2019, 2020, 2022, 2023, 2025, 2026, 2028	96,000	140,000	44,000
Arenas	744.0037 HCCC - Retrofit Parking Lot Lighting	Increased budget based on current costing, and accelerated from 2022 to 2019 for purchasing efficiencies with other like projects.	SOGR	2019	30,000	150,000	120,000
Community Halls Partnership Program	750.0077 Selkirk CC - Elevator Replac.	Updated budget based on current costing.	SOGR	2019	150,000	250,000	100,000
Pools	763.0007 HAG - Pool Change House Replacement	Updated for 2019 construction cost per sq. ft. per DC study.	SOGR	2024	500,000	530,000	30,000
Pools	766.0008 DUNN - Pool Change House Replacement	Updated for 2019 construction cost per sq. ft. per DC study.	SOGR	2021	500,000	530,000	30,000
Library Summary	773.0017 Hagersville Library Replacement	2020 - Project construction costs increased to \$375/sq.ft. to reflect the updated construction costs. Budget also includes \$52,600 for a feasibility study in 2019.	SOGR	2019-2020	3,217,400	3,501,100	283,700
Planning and Development Division	812.0003 OP 5 yr. Review & Places to Grow Update (2017-\$200,000)	Project to be increased to address the requirement for the retention of a Consultant Project Manager.	SOGR	2019, 2024	345,000	545,000	200,000
Economic Development/Tourism Division	825.0001 Promotional & Directional Sign Repl.	To ensure ongoing timely replacement of existing signage related to tourism, cycling, farmers market, Veterans, hamlet and way finding signage programs. Replacement of existing signage is planned on a 10 year renewal basis. Staff will review the condition of signs in the year preceding the capital budget request to evaluate condition and the need to proceed or delay replacement. The budget has been pushed back 1 year.	SOGR	2020-2022, 2027, 2028	132,100	160,000	27,900
Economic Development/Tourism Division	825.0007 Tourism Product Development - Cycling	\$70,100 open and active in 2018. Budget added for 2027 (\$25,000) and 2028 (\$38,000) for the replacement of bike racks and bicycle repair stations.	SOGR	2020, 2027, 2028	77,400	123,000	45,600
Total					\$ 91,119,050	\$ 106,318,290	\$ 15,199,240



HALDIMAND COUNTY
2019-2028 TAX SUPPORTED CAPITAL FORECAST
PROJECTS MOVED - SHIFTS IN TIMING

PROJECTS GREATER THAN \$100,000

Division	Project	Description	State of Good Repair/New Enhanced Service	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	Total
Administration Facilities	171.0020 FAC ADMIN - Central Admin Facility - Post Warranty	Shifted from 2021-2027 to 2022-2028 to cover work completed after the warranty expires in 2021.	New/Enhanced Service			→	50,000	50,000	50,000	50,000	50,000	50,000	50,000	350,000
Fleet & Equipment	315.0159 Flusher/Vacuum Truck - WWW (1)	Project was budgeted for in 2018, but was closed and reidentified for 2019 due to a significant increase in costs.	Replacement/State of Good Repair	→	525,000									525,000
Roads Facilities	322.0008 Oneida Building - Roof Replacement	Project was budgeted for in 2018, but was closed and reidentified for 2019 due to a significant increase in costs.	Replacement/State of Good Repair	→	200,000									200,000
Roads Facilities	322.0038 Dunnville Garage - Retrofit Overhead Doors	Project was budgeted for in 2018, but was closed and reidentified for 2019 due to a significant increase in costs.	Replacement/State of Good Repair	→	300,000									300,000
Hot Mix Resurfacing	373.0021 Port Maitland Rd - Rainham Rd to Lighthouse Dr	Shifted from 2020 to 2026 based on updated needs.	Replacement/State of Good Repair							→	1,480,000			1,480,000
Hot Mix Resurfacing	373.0024 Cay-Thorburn St S-Talbot to Urban Limit	Shifted from 2019 to 2023 based on updated needs.	Replacement/State of Good Repair					→	750,000					750,000
Hot Mix Resurfacing	373.0025 Haldimand Road 3 - Hald Rd 55 to Hald Rd 70	Shifted from 2019 to 2024 based on updated needs.	Replacement/State of Good Repair						→	2,200,000				2,200,000
Hot Mix Resurfacing	373.0032 Haldimand Road 20 – Haldimand Rd 12 to Kohler Road	Shifted from 2024 to 2022 based on updated needs.	Replacement/State of Good Repair				1,650,000	←						1,650,000
Hot Mix Resurfacing	373.0063 Mines Rd - Greens Rd E to Haldibrook Rd	Shifted from 2022 to 2025 based on updated needs.	Replacement/State of Good Repair						→	900,000				900,000
Hot Mix Resurfacing	373.0064 Caistorville Rd-Hald Rd 14 to Hald/Dunn Twln	Shifted from 2023 to 2026 based on updated needs.	Replacement/State of Good Repair						→	1,095,000				1,095,000
Hot Mix Resurfacing	373.0084 Caistorville Rd - Hald/Dunn Townline to Niagara	Shifted from 2024 to 2025 based on updated needs.	Replacement/State of Good Repair						→	774,000				774,000
Hot Mix Resurfacing	373.0085 Hald Rd 27 - Hald Rd 20 to Sandusk	Shifted from 2025 to 2026 based on updated needs.	Replacement/State of Good Repair							→	1,055,000			1,055,000
Hot Mix Resurfacing	373.0086 Kohler Rd - Irish Line to Hwy #3	Shifted from 2024 to 2025 based on updated needs.	Replacement/State of Good Repair						→	520,000				520,000
Hot Mix Resurfacing	373.0087 Rainham Rd - Hald Rd 49 to Hald/Dunn Twln	Shifted from 2024 to 2026 based on updated needs.	Replacement/State of Good Repair						→	800,000				800,000
Hot Mix Resurfacing	373.0094 Hald Rd 54 - York South Limit to Indiana	Shifted from 2026 to 2023 based on updated needs.	Replacement/State of Good Repair				1,025,000	←						1,025,000
Hot Mix Resurfacing	373.0095 Hald Rd 54 - York North Limit to McClung	Shifted from 2026 to 2023 based on updated needs.	Replacement/State of Good Repair				1,250,000	←						1,250,000
Hot Mix Resurfacing	373.0096 Front Street - York North Limit to South Limit	Shifted from 2026 to 2023 based on updated needs.	Replacement/State of Good Repair				220,000	←						220,000
Structure Projects	374.0034 Third Line Culvert Rehab	Shifted from 2019 to 2020 based on updated needs.	Replacement/State of Good Repair	→	247,000									247,000
Structure Projects	374.0039 Townline Bridge N - Cay/Sen Replacement	Shifted from 2023 to 2027 based on updated needs.	Replacement/State of Good Repair							→	560,000			560,000
Structure Projects	374.0051 Sandusk Crk Culvert Replac Walpole	Shifted from 2019 to 2020 based on updated needs.	Replacement/State of Good Repair	→	420,000									420,000
Structure Projects	374.0062 Mud Street Culvert Replacement	Shifted from 2020 to 2028 based on updated needs.	Replacement/State of Good Repair										→	370,000

HALDIMAND COUNTY
2019-2028 TAX SUPPORTED CAPITAL FORECAST
PROJECTS MOVED - SHIFTS IN TIMING

PROJECTS GREATER THAN \$100,000

Division	Project	Description	State of Good Repair/New Enhanced Service	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	Total
Structure Projects	374.0068 Caithness Street Culvert Rehab	Shifted from 2021 to 2028 based on updated needs.	Replacement/State of Good Repair										204,000	204,000
Structure Projects	374.0084 Cheapside Bridge Rehab	Shifted from 2025 to 2024 based on updated needs.	Replacement/State of Good Repair						436,000					436,000
Structure Projects	374.0085 Hobb's Bridge Rehab	Shifted from 2024 to 2028 based on updated needs.	Replacement/State of Good Repair										612,000	612,000
Structure Projects	374.0090 Townline Road Bridge Rehab	Shifted from 2020 to 2027 based on updated needs.	Replacement/State of Good Repair										450,000	450,000
Structure Projects	374.0103 Hart Rd Bridge Rehab	Shifted from 2027 to 2026 based on updated needs.	Replacement/State of Good Repair									306,000		306,000
Other Roadwork	375.0020 Caledonia Decorative Crosswalks	Shifted from 2022 to 2023 based on updated needs.	New/Enhanced Service										132,000	132,000
Other Roadwork	375.0021 Caledonia Downtown Municipal Parking Lot Paving	Shifted from 2022 to 2023 based on updated needs.	Replacement/State of Good Repair										285,000	285,000
Urban Paving Program	376.0079 Cal- Ross St-Orkney W to Morrison	Shifted from 2019 to 2020 based on updated needs.	Replacement/State of Good Repair										111,000	111,000
Urban Paving Program	376.0080 Cal- Haller Cres & Haller Pl	Shifted from 2023 to 2024 based on updated needs.	Replacement/State of Good Repair										276,300	276,300
Urban Paving Program	376.0099 Cal- Douglas Dr-McKenzie to Highland	Shifted from 2020 to 2021 based on updated needs.	Replacement/State of Good Repair										166,000	166,000
Urban Paving Program	376.0100 Cal- Morrison Rd-Ross St to east end	Shifted from 2019 to 2020 based on updated needs.	Replacement/State of Good Repair										360,900	360,900
Urban Paving Program	376.0103 Cal- Tartan Dr - Highland to Buchanan	Shifted from 2020 to 2021 based on updated needs.	Replacement/State of Good Repair										102,000	102,000
Urban Paving Program	376.0104 Cal- Highland Blvd - Tartan to E limit	Shifted from 2020 to 2021 based on updated needs.	Replacement/State of Good Repair										575,000	575,000
Urban Paving Program	376.0108 Cal- Highland Blvd - Haddington to Tartan	Shifted from 2027 to 2028 based on updated needs.	Replacement/State of Good Repair										216,500	216,500
Urban Paving Program	376.0109 Cal- Kinross - Argyle to Braemar	Shifted from 2021 to 2022 based on updated needs.	Replacement/State of Good Repair										437,000	437,000
Urban Paving Program	376.0122 Cal- Mckenzie – Wigton to Fuller	Shifted from 2024 to 2025 based on updated needs.	Replacement/State of Good Repair										551,520	551,520
Urban Paving Program	376.0124 Cal- Jamieson - Scott Acres to ScottsWood	Shifted from 2026 to 2027 based on updated needs.	Replacement/State of Good Repair										346,290	346,290
Urban Paving Program	376.0126 Cal- Sutherland Street East – Banff to Haller Cresc	Shifted from 2022 to 2023 based on updated needs.	Replacement/State of Good Repair										190,000	190,000
Urban Paving Program	376.0137 Cal- Williamson Dr - all	Shifted from 2024 to 2025 based on updated needs.	Replacement/State of Good Repair										785,700	785,700
Urban Paving Program	376.0138 Cal- Orkney St W - Ross to Williamson	Shifted from 2024 to 2025 based on updated needs.	Replacement/State of Good Repair										163,600	163,600
Urban Paving Program	376.0141 Cal- MacMillian - Williamson to Williamson	Shifted from 2019 to 2025 based on updated needs.	Replacement/State of Good Repair										101,850	101,850
Urban Paving Program	376.0142 Cal- Sutherland St W - Ross to Tracks	Shifted from 2022 to 2023 based on updated needs.	Replacement/State of Good Repair										306,770	306,770
Urban Paving Program	376.0144 Cal- Kintrye Crt - McKenzie to N. End	Shifted from 2020 to 2021 based on updated needs.	Replacement/State of Good Repair										110,000	110,000
Urban Paving Program	376.0148 Cal- Morgan Dr - Celtic to McKenzie	Shifted from 2023 to 2024 based on updated needs.	Replacement/State of Good Repair										341,700	341,700

HALDIMAND COUNTY
2019-2028 TAX SUPPORTED CAPITAL FORECAST
PROJECTS MOVED - SHIFTS IN TIMING

PROJECTS GREATER THAN \$100,000

Division	Project	Description	State of Good Repair/New Enhanced Service	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	Total
Urban Paving Program	376.0150 Cal- Burnside - Braemar to Thistlemoor	Shifted from 2022 to 2023 based on updated needs.	Replacement/State of Good Repair				→	105,000						105,000
Urban Paving Program	376.0151 Cal- Orkney East - Argyle to Banff	Shifted from 2019 to 2020 based on updated needs.	Replacement/State of Good Repair	→	430,000									430,000
Urban Paving Program	376.0155 Cal- McMaster - McKenzie to Buchanan	Shifted from 2023 to 2024 based on updated needs.	Replacement/State of Good Repair					→	267,720					267,720
Urban Paving Program	376.0156 Cal- Buchanan - N end to Highland	Shifted from 2020 to 2021 based on updated needs.	Replacement/State of Good Repair		→	342,000								342,000
Urban Paving Program	376.0158 Cal- Hyslop - Scott Acres to Jamison	Shifted from 2025 to 2026 based on updated needs.	Replacement/State of Good Repair							→	226,980			226,980
Urban Paving Program	376.0161 Cal- Piper Pl - Douglas Dr to W end	Shifted from 2020 to 2021 based on updated needs.	Replacement/State of Good Repair		→	140,000								140,000
Urban Paving Program	376.0162 Cal- Clansman Cres - Caledonia Dr to Caledonia Dr	Shifted from 2024 to 2025 based on updated needs.	Replacement/State of Good Repair						→	219,800				219,800
Urban Paving Program	376.0163 Cal- Dundee - Kinross to Kinross	Shifted from 2024 to 2025 based on updated needs.	Replacement/State of Good Repair						→	203,700				203,700
Urban Paving Program	376.0164 Cal- Fraser - Kinross to Scott	Shifted from 2024 to 2025 based on updated needs.	Replacement/State of Good Repair						→	175,800				175,800
Urban Paving Program	376.0166 Cal- Kilty Ct - Douglas Dr to end	Shifted from 2020 to 2021 based on updated needs.	Replacement/State of Good Repair		→	106,000								106,000
Urban Paving Program	376.0172 Cal- Sutherland St W - Ross to Williamson	Shifted from 2026 to 2027 based on updated needs.	Replacement/State of Good Repair								→	157,800		157,800
Urban Paving Program	376.0174 Cal- Glenmor Dr - MacCrae Dr to Kinross	Shifted from 2025 to 2026 based on updated needs.	Replacement/State of Good Repair							→	197,880			197,880
Urban Paving Program	376.0176 Cal- Celtic - Argyle to Caledonia Ave	Shifted from 2027 to 2028 based on updated needs.	Replacement/State of Good Repair									→	340,800	340,800
Urban Paving Program	376.0178 Cal- Braemar - Kinross to Glengary Cres	Shifted from 2027 to 2028 based on updated needs.	Replacement/State of Good Repair									→	153,000	153,000
Urban Paving Program	376.0199 Cal- McCrea Dr - Kinross to Kinross	Shifted from 2021 to 2022 based on updated needs.	Replacement/State of Good Repair			→	476,000							476,000
Urban Paving Program	376.0202 Cal- Caledonia Dr - McKenzie to South End	Shifted from 2027 to 2028 based on updated needs.	Replacement/State of Good Repair									→	363,750	363,750
Urban Paving Program	376.0204 Cal- Ross St - Caithness to Orkney	Shifted from 2026 to 2027 based on updated needs.	Replacement/State of Good Repair								→	241,000		241,000
Municipal Drains	379.0009 Middaugh Drain Phase 1 - Construction	Shifted from 2019 to 2021 based on updated needs.	New/Enhanced Service	→	→	157,700								157,700
Municipal Drains	379.0010 Middaugh Drain Phase 2 - Construction	Shifted from 2020 to 2022 based on updated needs.	New/Enhanced Service		→	→	101,800							101,800
Surface Treatment Program	383.0008 Oneida Road - 6th Line to 7th Line	Timing and priorities changed based on latest roads needs study from 2020 to 2028	Replacement/State of Good Repair										→	100,000
Surface Treatment Program	383.0109 Hald Rd 9 - Turnbull to Hwy 56	Timing and priorities changed based on latest roads needs study from 2020 to 2027	Replacement/State of Good Repair										→	200,000
Surface Treatment Program	383.0112 South Coast - Peacock Point to Sandusk Rd	Timing and priorities changed based on latest roads needs study from 2023 to 2021	Replacement/State of Good Repair			200,000	←							200,000
Surface Treatment Program	383.0113 Riverside Dr - Rainham Rd to Stelco Bridge	Timing and priorities changed based on latest roads needs study from 2023 to 2027	Replacement/State of Good Repair										→	160,000
Surface Treatment Program	383.0117 Moote Rd - Stringer Rd to Hald Rd 63	Timing and priorities changed based on latest roads needs study from 2021 to 2022	Replacement/State of Good Repair			→	300,000							300,000
Surface Treatment Program	383.0118 Conc 10 Wal - Hald Rd 74 to Rd 55	Timing and priorities changed based on latest roads needs study from 2020 to 2024	Replacement/State of Good Repair										→	320,000

HALDIMAND COUNTY
2019-2028 TAX SUPPORTED CAPITAL FORECAST
PROJECTS MOVED - SHIFTS IN TIMING

PROJECTS GREATER THAN \$100,000

Division	Project	Description	State of Good Repair/New Enhanced Service	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	Total
Surface Treatment Program	383.0119 Marshall Rd - Kings Row to Hald Trail	Timing and priorities changed based on latest roads needs study from 2024 to 2023	Replacement/State of Good Repair					160,000	←					160,000
Surface Treatment Program	383.0120 Cheapside Rd - Rainham Road to South Coast Drive	Timing and priorities changed based on latest roads needs study from 2024 to 2019	Replacement/State of Good Repair	400,000	←									400,000
Surface Treatment Program	383.0121 Sutor Rd - River Rd to Hald Rd 20	Timing and priorities changed based on latest roads needs study from 2023 to 2025	Replacement/State of Good Repair						→	200,000				200,000
Surface Treatment Program	383.0128 Jarden Rd - Hwy 3 to Hald Rd 17	Timing and priorities changed based on latest roads needs study from 2023 to 2020	Replacement/State of Good Repair		130,000	←								130,000
Surface Treatment Program	383.0137 Conc 3 Rd - Sweets Corners Rd to Hald Rd 8	Timing and priorities changed based on latest roads needs study from 2022 to 2025	Replacement/State of Good Repair						→	280,000				280,000
Surface Treatment Program	383.0139 South Coast Drive - Sandusk Rd to Texaco Underpass	Timing and priorities changed based on latest roads needs study from 2024 to 2023	Replacement/State of Good Repair					160,000	←					160,000
Surface Treatment Program	383.0140 Conc 15 Walpole - Hald Rd 20 to Hald Rd 70	Timing and priorities changed based on latest roads needs study from 2022 to 2020	Replacement/State of Good Repair		600,000	←								600,000
Surface Treatment Program	383.0146 Conc 7 Rd - Hald Rd 53 to Hald Rd 12	Timing and priorities changed based on latest roads needs study from 2026 to 2022	Replacement/State of Good Repair				300,000	←						300,000
Surface Treatment Program	383.0147 Rymer Rd - Hald Rd 3 to Mltn-Shrbk Townline Rd	Timing and priorities changed based on latest roads needs study from 2027 to 2023	Replacement/State of Good Repair					300,000	←					300,000
Surface Treatment Program	383.0153 Conc 14 Walpole - Hald Rd 55 to Hald Rd 70	Timing and priorities changed based on latest roads needs study from 2026 to 2025	Replacement/State of Good Repair							150,000	←			150,000
Surface Treatment Program	383.0155 2nd Line - McKenzie Rd to Six Nations Boundary	Timing and priorities changed based on latest roads needs study from 2027 to 2028	Replacement/State of Good Repair										→	400,000
Parks	723.0031 HAG - Replace skateboard park	Shifted from 2021 to 2022 due to timing of other related projects.	Replacement/State of Good Repair											400,000
Parks	725.0009 CAY - Skate Park/Tennis Court Replacement	Shifted from 2020 to 2022 due to timing of other related projects.	Replacement/State of Good Repair											400,000
Parks	727.0008 TOWN - Playground Equipment Replc.	Moved from 2019 to 2020 due to timing of other related projects	Replacement/State of Good Repair	→	150,000									150,000
Arenas	744.0037 HCCC - Retrofit Parking Lot Lighting	Project accelerated from 2022 to 2019 for purchasing efficiencies with other like projects and increased based on current costing.	Replacement/State of Good Repair	150,000	←									150,000
Pools	766.0008 DUNN - Pool Change House Replacement	Project shifted from 2020 to 2021 due to updated needs and costs.	Replacement/State of Good Repair		→	530,000								530,000
Planning and Development Division	812.0013 Dunv Sec Plan Implementation-Special Policy Area	Budget shifted from 2022 to 2027 - Focus of development in Dunnville is presently in areas outside of the Special Policy Area. Given development pressures are limited in this area, and development potential is as well, staff recommend the project be moved out based upon the low demand at this time.	New/Enhanced Service										→	150,000
Total Tax Supported Capital Departments				1,575,000	2,448,900	2,428,700	4,114,800	4,933,770	3,891,720	5,075,970	5,210,860	2,315,090	2,810,050	34,804,860

HALDIMAND COUNTY
2019 HALDIMAND BUDGET FORECAST
NET CAPITAL FINANCING FROM TAX RATES

	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
DEBT CHARGES (Existing Debt)											
- Gross debt repayments	3,159,390	3,071,210	2,985,463	2,894,679	2,806,531	2,718,492	2,328,274	2,249,306	2,171,475	1,543,926	638,855
- Development related debt repayments	971,675	950,886	930,795	909,177	888,347	867,617	698,469	682,266	666,630	467,833	359,860
- Less funding from:											
- MOHLTC (GVL)	(483,550)	(483,550)	(484,880)	(483,550)	(483,550)	(483,550)	(484,880)	(483,550)	(451,180)	(415,781)	0
- Development Charges Reserve Fund	(971,675)	(950,886)	(930,795)	(909,177)	(888,347)	(867,617)	(698,469)	(682,266)	(666,630)	(467,833)	(359,860)
Net Existing Debt Charges	2,675,840	2,587,660	2,500,583	2,411,129	2,322,981	2,234,942	1,843,394	1,765,756	1,720,295	1,128,145	638,855
DEBT CHARGES (Proposed Debt for Active Projects)	0	0	217,980	1,856,960	1,817,240	1,777,510	1,739,420	1,698,070	1,658,350	1,618,630	1,580,100
DEBT CHARGES (Proposed Debt for Development Related Active P	0	0	90,710	166,740	162,330	157,920	153,575	149,090	144,680	140,260	135,880
OFFSETTING FUNDING for Development Related Active Projects	0	0	(90,710)	(166,740)	(162,330)	(157,920)	(153,575)	(149,090)	(144,680)	(140,260)	(135,880)
DEBT CHARGES (Proposed New Debt)	0	0	0	0	376,020	799,960	779,300	757,700	736,570	715,440	694,550
DEBT CHARGES (Proposed New Debt for Development Related Pro	0	0	0	0	58,570	1,353,840	1,493,780	1,452,930	1,413,010	1,373,090	1,333,680
OFFSETTING FUNDING for New Development Related Projects	0	0	0	0	(58,570)	(1,353,840)	(1,493,780)	(1,452,930)	(1,413,010)	(1,373,090)	(1,333,680)
DEBT CHARGES (Proposed CVF Related Projects)			155,699	151,533	147,473	143,413	139,415	135,293	131,233	127,173	123,130
OFFSETTING FUNDING for Proposed CVF Related Projects			(155,699)	(151,533)	(147,473)	(143,413)	(139,415)	(135,293)	(131,233)	(127,173)	(123,130)
DEBT CHARGES SUB-TOTAL	0	0	217,980	1,856,960	2,193,260	2,577,470	2,518,720	2,455,770	2,394,920	2,334,070	2,274,650
TOTAL DEBT CHARGES	2,675,840	2,587,660	2,718,563	4,268,089	4,516,241	4,812,412	4,362,114	4,221,526	4,115,215	3,462,215	2,913,505
CAPITAL REPLACEMENT RESERVES											
- Budgeted contribution - Fleet	2,086,165	2,266,370	2,270,720	2,316,130	2,362,450	2,409,700	2,457,890	2,507,050	2,557,190	2,608,340	2,660,510
- Budgeted contribution - Roads Infrastructure	8,901,660	9,194,550	9,194,550	9,194,550	9,194,550	9,194,550	9,194,550	9,194,550	9,194,550	9,194,550	9,194,550
- Budgeted contribution - WMRF	208,080	212,240	216,480	220,810	225,230	229,730	234,320	239,010	243,790	248,670	248,670
- Budgeted contribution - Storm Sewer	520,200	530,600	541,210	552,030	563,070	574,330	585,820	597,540	609,490	621,680	634,110
- Budgeted contribution - IT	636,720	655,300	668,410	681,780	695,420	709,330	723,520	737,990	752,750	767,810	783,170
- Budgeted contribution - General	2,452,500	2,687,900	2,687,900	2,687,900	2,687,900	2,687,900	2,687,900	2,687,900	2,687,900	2,687,900	2,687,900
- Budgeted contribution - Municipal Drains	45,780	46,700	47,630	48,580	49,550	50,540	51,550	52,580	53,630	54,700	55,790
- Budgeted contribution - Community Partnership Capital Program							150,000	150,000	150,000	150,000	150,000
Net Transfers to Capital Reserves	14,851,105	15,593,660	15,626,900	15,701,780	15,778,170	15,856,080	16,085,550	16,166,620	16,249,300	16,333,650	16,414,700
ADDITIONAL RESERVE CONTRIBUTIONS											
- addnl contrib. Required for new initiative projects identified in Operating Impacts appendix for fleet and IS funding	53,090	67,190	67,190	67,190	67,190	67,190	67,190	67,190	67,190	67,190	67,190
- addnl contrib. to CRR - Community Halls to accommodate new information provided by Building Condition Assessments	200,000	450,000	460,000	240,000	240,000	240,000	240,000	240,000	240,000	240,000	240,000
- addnl contrib. to Library Reserve Fund to offset anticipated shortfall	85,000	230,000	120,000	120,000							
- addnl contrib to CRR - General to offset increase in number of facility related projects; increase required to reduce projected depletion in 2021 to 2023	150,000	150,000	150,000	150,000	150,000	150,000	150,000	150,000	150,000	150,000	150,000
- Increase/(Decrease) to various reserves, distributed based on 2% of annual contribution, with the remaining balance contributed to CRR-Roads Infrastructure	321,100	(102,000)	469,700	(297,100)	136,000	400,000	1,258,500	1,469,800	1,493,431	2,062,081	2,529,741
Additional Annual Contributions to Reserve	809,190	795,190	1,266,890	280,090	593,190	857,190	1,715,690	1,926,990	1,950,621	2,519,271	2,986,931
TOTAL CONTRIBUTION TO RESERVES	15,660,295	16,388,850	16,893,790	15,981,870	16,371,360	16,713,270	17,801,240	18,093,610	18,199,921	18,852,921	19,401,631
TOTAL CAPITAL-RELATED FINANCING	18,336,135	18,976,510	19,612,353	20,249,959	20,887,601	21,525,682	22,163,354	22,315,136	22,315,136	22,315,136	22,315,136
IMPACT ON TAX LEVY:											
Total Capital Related Expenditure Requirement	18,336,135	18,976,510	19,612,353	20,249,959	20,887,601	21,525,682	22,163,354	22,315,136	22,315,136	22,315,136	22,315,136
\$ Impact on Tax Levy	612,693	640,375	635,843	637,606	637,642	638,081	637,672	151,782	0	0	0
Estimated Levy 0.00% increase	63,757,390	63,757,390	63,757,390	63,757,390	63,757,390	63,757,390	63,757,390	63,757,390	63,757,390	63,757,390	63,757,390
% Impact on Tax Rates based Levy	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	0.24%	0.00%	0.00%	0.00%
TOTAL CAPITAL-RELATED EXPENDITURES AS % OF TOTAL LEVY	28.76%	29.76%	30.76%	31.76%	32.76%	33.76%	34.76%	35.00%	35.00%	35.00%	35.00%

NOTE: Existing Debt made up of payments required for Grandview Lodge(2008-2027, 2014-2028), HCCC (2014-2023), Dunnville and Cayuga Arenas (2014-2033), Lowbanks Fire Hall/Community Centre (2014-2023), Hagersville Fire/EMS (2017-2026), Cayuga Fire/EMS (2017-2026), South Haldimand Fire Station (2017-2026), Caledonia Lions Hall (2017-2026) and Dunnville Library DC (2018-2027).
Proposed New Debt for Active Projects includes the following active capital project: Cayuga Library (2020-2029) and Central Administration Building (2021-2030).
Proposed New Development Related Debt for Active Projects includes the following active capital projects: Cayuga Library (2020-2029) and Alder St. Storm System Improvements (2021-2030).
New Debt is also proposed for Hagersville Library (2022-2031) and Caledonia Fire/EMS Station (2023-2032).
New Development Related Debt is also proposed for Caledonia Argyle Bridge (2024-2033), Caledonia Arterial Road (2023-2032), Caledonia Fire (2023-2032), Caledonia EMS Base (2023-2032) and Hagersville Library Replacement (2022-2031).



**HALDIMAND COUNTY
2019-2028 TAX SUPPORTED CAPITAL FORECAST
CO-ORDINATED PROJECTS**

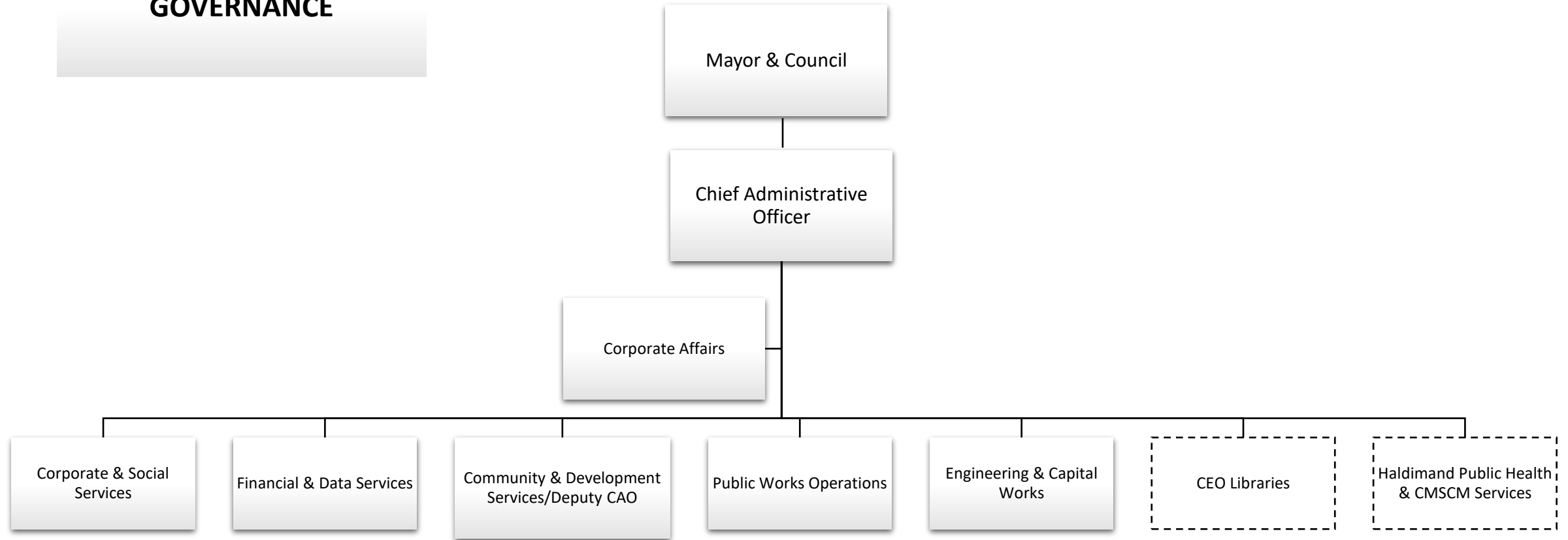
Project	Timing	TAX CAPITAL						WATER AND WASTEWATER CAPITAL				Project Total
		Roads 2018 Projects	Roads 10 Year Forecast	Storm 2018 Open Projects	Storm 10 Year Forecast	Other 2018 Projects	Other 10 Year Forecast	Water 2018 Open Projects	Water 10 Year Forecast	Wastewater 2018 Open Projects	Wastewater 10 Year Forecast	
Jarvis												
Master Servicing Plan	2018, 2023	15,000	15,000	15,000	15,000	-	-	40,000	20,000	15,000	15,000	150,000
Cayuga												
Master Servicing Plan	2022, 2027	-	60,000	-	30,000	-	-	-	50,000	-	50,000	190,000
River Road - Hwy 3 to Sutor (surface treatment and on-route trail)	2021	-	1,000,000	-	-	-	570,000	-	-	-	-	1,570,000
Chippewa St W - Ottawa to Cayuga	2020	-	60,000	-	-	-	-	-	220,000	-	-	280,000
Johnston St - Echo to end	2022	-	30,000	-	-	-	-	-	160,000	-	-	190,000
Kerr St E - Winniet to 100 m west of Winniet	2022	-	20,000	-	-	-	-	-	100,000	-	-	120,000
Norton St E - Winniet to 60 m west of Winniet	2022	-	20,000	-	-	-	-	-	60,000	-	-	80,000
Ouse St N - Talbot to Cayuga St N	2022	-	140,000	-	-	-	-	-	330,000	-	-	470,000
Ouse St S - Talbot to Tuscarora	2020	-	100,000	-	-	-	-	-	300,000	-	-	400,000
Seneca St S - Tuscarora to McKay	2020	-	40,000	-	-	-	-	-	180,000	-	-	220,000
Cayuga St S - Seneca to Brant	2020	-	30,000	-	-	-	-	-	110,000	-	-	140,000
Brant St - Ouse St S to Cayuga St S	2020	-	20,000	-	-	-	-	-	90,000	-	-	110,000
Caledonia												
Master Servicing Plan	2018, 2023	150,000	50,000	33,600	30,000	-	-	50,000	50,000	50,000	50,000	463,600
Fire Station Replacement and EMS Base (Includes Equipment, Aerial Truck, Ambulance and First Response Vehicle EMS)	2018-2019, 2021, 2022	-	-	-	-	1,400,000	6,777,300	-	-	-	-	8,177,300
Argyle/Haddington Intersection Improvements	2019	180,000	2,740,000	-	-	-	-	-	-	-	-	2,920,000
Blair St - Caithness to Park Lane	2021	-	30,000	-	-	-	-	-	120,000	-	-	150,000
Cameron St - Caithness to Ross	2021	-	30,000	-	-	-	-	-	150,000	-	-	180,000
Fife St W - Peebles to Argyle	2019	-	80,000	-	-	-	-	-	300,000	-	40,000	420,000
Park Lane - Inverness to end	2021	-	30,000	-	-	-	-	-	180,000	-	-	210,000
Queen Ave - Caithness to end	2021	-	30,000	-	-	-	-	-	180,000	-	-	210,000
Renfrew St E - Wigton to Berwick	2019	-	100,000	-	-	-	-	-	360,000	-	60,000	520,000
Hagersville												
Master Servicing Plan	2020, 2025	-	60,000	-	30,000	-	-	-	50,000	-	50,000	190,000
Library Replacement & OPP Renovations	2019-2020	-	-	-	-	-	3,501,100	-	-	-	-	3,501,100
Foundry St - Tuscarora to end	2023	-	25,000	-	-	-	-	-	100,000	-	-	125,000

**HALDIMAND COUNTY
2019-2028 TAX SUPPORTED CAPITAL FORECAST
CO-ORDINATED PROJECTS**

Project	Timing	TAX CAPITAL						WATER AND WASTEWATER CAPITAL				Project Total
		Roads 2018 Projects	Roads 10 Year Forecast	Storm 2018 Open Projects	Storm 10 Year Forecast	Other 2018 Projects	Other 10 Year Forecast	Water 2018 Open Projects	Water 10 Year Forecast	Wastewater 2018 Open Projects	Wastewater 10 Year Forecast	
Victoria St - Tuscarora to Main St N	2023	-	80,000	-	-	-	-	-	250,000	-	-	330,000
Dunnville												
Alder St Reconstruction - Cedar to West	2018-2019	1,120,000	900,000	1,731,500	1,250,000	-	-	450,000	420,000	425,000	360,000	6,656,500
Master Servicing Plan	2021, 2026	-	60,000	-	60,000	-	-	-	60,000	-	60,000	240,000
Fire Station Replacement and EMS Base	2026	-	-	-	-	-	4,533,200	-	-	-	-	4,533,200
Alley way - Broad to Central Lane	2023	-	10,000	-	-	-	-	-	150,000	-	-	160,000
Main St E - 710 Main E to 50 m south	2023	-	10,000	-	-	-	-	-	50,000	-	-	60,000
County Wide												
CCTV Inspection Program	2018-2028	-	-	30,000	250,000	-	-	-	-	105,000	500,000	885,000
Forest Strategy & Management Plan - Removal and Replacement (see report PED-COM-28-2016)	2018-2028	294,500	3,000,000	-	-	441,000	1,900,000	-	-	-	-	5,635,500
Asbestos Annual Inspection and Remediation	2018-2028	-	-	-	-	132,600	293,600	13,600	31,000	13,800	40,000	524,600
Total Tax Supported Capital Departments		1,759,500	8,770,000	1,810,100	1,665,000	1,973,600	17,575,200	553,600	4,071,000	608,800	1,225,000	40,011,800

Note - does not include prior year closed projects or prior year open projects with no impact in 2019-2028

GOVERNANCE



HALDIMAND COUNTY COUNCIL

2018-2022

MAYOR KEN HEWITT

WARD 1 STEWART PATTERSON

WARD 2 JOHN METCALFE

WARD 3 DAN LAWRENCE

WARD 4 TONY DALIMONTE

WARD 5 ROB SHIRTON

WARD 6 BERNIE CORBETT

**HALDIMAND COUNTY
SENIOR MANAGEMENT**

CHIEF ADMINISTRATIVE OFFICER DON BOYLE

GENERAL MANAGER
CORPORATE & SOCIAL SERVICES CATHY CASE

GENERAL MANAGER
FINANCIAL & DATA SERVICES MARK MERRITT

GENERAL MANAGER
COMMUNITY & DEVELOPMENT SERVICES CRAIG MANLEY

GENERAL MANAGER
PUBLIC WORKS OPERATIONS PHIL METE

GENERAL MANAGER
ENGINEERING & CAPITAL WORKS TYSON HAEDRICH

Haldimand County

2019 to 2028 FINAL TAX SUPPORTED CAPITAL FORECAST

Department/Division: Tax Supported Capital Departments

	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	Total Expenditures	Grants Subsidies	External Financing	Development Charges Rsvs Funds	Community Vibrancy Rsvs Fund	Reserves/Reserve Funds	Debenture Financing
General Government	1,993,800	1,011,370	361,500	429,360	412,020	831,450	1,455,550	404,400	559,750	603,000	8,062,200			(90,000)		(7,972,200)	
Protection Services	575,050	435,700	3,754,400	322,700	309,200	302,700	316,200	3,667,600	404,700	311,700	10,399,950		(300,000)	(2,258,670)		(3,462,900)	(4,378,380)
Transportation Services	21,338,200	15,548,700	20,060,400	19,778,700	15,838,690	14,435,430	14,506,840	13,577,390	13,875,490	16,264,200	165,224,040	(22,812,390)	(3,626,030)	(14,720,790)	(200,000)	(123,864,830)	
Environmental Services	1,575,000	231,000	264,000	344,550	332,500	303,000	215,000	237,700	227,550	205,000	3,935,300		(202,290)	(423,840)		(3,309,170)	
Health Services	115,100	72,000	2,266,300	207,000	542,000	117,500	293,800	1,242,000	237,000	238,800	5,331,500			(924,550)		(2,176,150)	(2,230,800)
Social and Family Services	364,570	235,310	240,480	243,220	179,220	182,170	155,490	202,760	187,710	117,760	2,108,690		(93,000)			(2,015,690)	
Recreation and Cultural Services	3,411,990	5,827,150	3,000,990	2,629,890	1,831,790	1,539,790	2,160,590	3,110,590	694,590	658,090	24,865,460		(618,000)	(2,166,670)	(200,000)	(19,077,460)	(2,803,330)
Planning and Development	1,031,400	845,400	612,400	726,400	561,400	526,400	470,400	481,400	671,400	578,400	6,505,000		(72,480)	(720,250)		(5,712,270)	
Total Tax Supported Capital Departments	30,405,110	24,206,630	30,560,470	24,681,820	20,006,820	18,238,440	19,573,870	22,923,840	16,858,190	18,976,950	226,432,140	(22,812,390)	(4,911,800)	(21,304,770)	(400,000)	(167,590,670)	(9,412,510)
Funding	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	Total Financing						
Community Vibrancy Reserve Fund	(210,000)	(190,000)									(400,000)						
Debentures	(71,930)	(2,759,400)	(3,384,300)					(3,196,880)			(9,412,510)						
Development Charges Reserve Funds	(3,753,110)	(1,383,150)	(8,494,200)	(3,421,950)	(886,040)	(408,640)	(464,060)	(1,976,190)	(351,670)	(165,760)	(21,304,770)						
Grants/Subsidies	(3,236,600)	(4,858,260)	(5,651,570)	(2,521,760)	(834,600)	(2,458,690)	(1,464,800)	(1,070,040)	(618,210)	(97,860)	(22,812,390)						
Other External Financing	(458,060)	(321,990)	(326,910)	(1,526,650)	(1,061,080)	(228,020)	(246,990)	(283,290)	(175,110)	(283,700)	(4,911,800)						
Reserves/Reserve Funds	(22,675,410)	(14,693,830)	(12,703,490)	(17,211,460)	(17,225,100)	(15,143,090)	(17,398,020)	(16,397,440)	(15,713,200)	(18,429,630)	(167,590,670)						
Total Tax Supported Capital Departments	(30,405,110)	(24,206,630)	(30,560,470)	(24,681,820)	(20,006,820)	(18,238,440)	(19,573,870)	(22,923,840)	(16,858,190)	(18,976,950)	(226,432,140)						



GENERAL GOVERNMENT



Haldimand County

2019 to 2028 CAPITAL FORECAST

Division: General Government

	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	Total Expenditures	Grants Subsidies	External Financing	Development Charges Rsvs Funds	Community Vibrancy Rsvs Funds	Reserve/ Reserve Funds	Debenture Financing
General Government																	
Clerks Office	39,600					16,000					55,600						(55,600)
Finance					50,000					50,000	100,000			(90,000)			(10,000)
Human Resources		20,500									20,500						(20,500)
Information Systems	620,000	632,250	236,750	278,400	239,200	345,800	773,550	242,600	414,250	407,500	4,190,300						(4,190,300)
Support Services	14,000	37,320	46,550	44,460	16,320	43,950	39,000	55,300	39,000	39,000	374,900						(374,900)
Administration Facilities	1,320,200	321,300	78,200	106,500	106,500	425,700	643,000	106,500	106,500	106,500	3,320,900						(3,320,900)
Total General Government	1,993,800	1,011,370	361,500	429,360	412,020	831,450	1,455,550	404,400	559,750	603,000	8,062,200			(90,000)			(7,972,200)

Haldimand County

2019 to 2028 CAPITAL FORECAST

Division: Clerks Office

	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	Total Expenditures	Grants Subsidies	External Financing	Development Charges Rsvs Funds	Community Vibrancy Rsvs Fund	Reserves/ Reserve Funds	Debt/ure Financing
Clerk's Office																	
Replacement/State of Good Repair																	
Postage Machine-Hagersville (2017)	5,000										5,000						(5,000)
Postage Machine-Cayuga	16,000					16,000					32,000						(32,000)
Total Replacement/State of Good Repair	21,000					16,000					37,000						(37,000)
New/Enhanced Service																	
Council 2-in-1 Devices	18,600										18,600						(18,600)
Total New/Enhanced Service	18,600										18,600						(18,600)
Total Clerk's Office	39,600					16,000					55,600						(55,600)

Haldimand County

2019 to 2028 CAPITAL FORECAST

Division: Finance

	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	Total Expenditures	Grants Subsidies	External Financing	Development Charges Rsvs Funds	Community Vibrancy Rsvs Fund	Reserves/ Reserve Funds	Debt/ure Financing
Finance																	
New/Enhanced Service																	
Development Charges Study Update					50,000					50,000	100,000			(90,000)		(10,000)	
Total New/Enhanced Service					50,000					50,000	100,000			(90,000)		(10,000)	
Total Finance					50,000					50,000	100,000			(90,000)		(10,000)	

Haldimand County

2019 to 2028 CAPITAL FORECAST

Division: Human Resources

	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	Total Expenditures	Grants Subsidies	External Financing	Development Charges Rsvs Funds	Community Vibrancy Rsvs Fund	Reserves/ Reserve Funds	Debenture Financing
Human Resources																	
Replacement/State of Good Repair																	
Fit Test Machine Replacement		20,500									20,500						(20,500)
Total Replacement/State of Good Repair		20,500									20,500						(20,500)
Total Human Resources		20,500									20,500						(20,500)

Haldimand County
2019 to 2028 CAPITAL FORECAST

Division: Information Systems

	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	Total Expenditures	Grants Subsidies	External Financing	Development Charges Rsvs Funds	Community Vibrancy Rsvs Fund	Reserves/ Reserve Funds	Debt/ure Financing
Information Systems																	
Replacement/State of Good Repair																	
Desktops	79,200	34,650	74,250	82,500		79,200	34,650	74,250	82,500		541,200						(541,200)
Printers/Scanners	8,000	5,000	5,000	5,000	5,000	8,000	5,000	5,000	5,000	5,000	56,000						(56,000)
Connectivity Equipment	5,000	2,000	2,000	2,000	4,000	5,000	5,000	5,000	20,000	20,000	70,000						(70,000)
Servers		336,000					336,000				672,000						(672,000)
Low End Servers	26,000					26,000					52,000						(52,000)
Plotter/Scanner	10,000								10,000		20,000						(20,000)
LCD Projectors		2,800	1,400					2,800	1,400		8,400						(8,400)
UPS's (uninterrupted power supply protection)	21,000	11,000	1,000	1,000	1,000	1,000	1,000	1,000	21,000	1,000	60,000						(60,000)
Desktop Software		124,000							124,000		248,000						(248,000)
Software Replacement			50,000	40,000			18,000		30,000	90,000	228,000						(228,000)
Cell Phone/Smartphone Upgrade/Replacement		58,800		58,800		58,800		58,800		58,800	294,000						(294,000)
Multi-function Units(printers/copiers)	67,000		22,500		7,000	52,500	14,500			22,500	186,000						(186,000)
Telephone System - Voice over IP	80,000		6,000				80,000		6,000		172,000						(172,000)
Laptops/Rugged Laptops	34,800		14,500			34,800		14,500			98,600						(98,600)
Portable 2-in-1s	214,600	40,600	55,100	84,100	211,700	58,000	197,200	58,000	81,200	197,200	1,197,700						(1,197,700)
Tablets		9,900			5,500				9,900	5,500	30,800						(30,800)
Dual and Ultrawide Monitors	36,500	2,500					15,950	18,250	18,250	2,500	93,950						(93,950)
Operating System Software Enterprise Upgrade							61,250				61,250						(61,250)
Total Replacement/State of Good Repair	582,100	627,250	231,750	273,400	234,200	323,300	768,550	237,600	409,250	402,500	4,089,900						(4,089,900)
New/Enhanced Service																	
Software/Applications/Development	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	50,000						(50,000)
Multi-function Unit Enhancement	17,500					17,500					35,000						(35,000)
Mobile Devices (BAS)	15,400										15,400						(15,400)
Total New/Enhanced Service	37,900	5,000	5,000	5,000	5,000	22,500	5,000	5,000	5,000	5,000	100,400						(100,400)
Total Information Systems	620,000	632,250	236,750	278,400	239,200	345,800	773,550	242,600	414,250	407,500	4,190,300						(4,190,300)

Haldimand County

2019 to 2028 CAPITAL FORECAST

Division: Support Services

	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	Total Expenditures	Grants Subsidies	External Financing	Development Charges Rsvs Funds	Community Vibrancy Rsvs Fund	Reserves/ Reserve Funds	Debt/ure Financing
Support Services																	
Replacement/State of Good Repair																	
Unscheduled Equipment Replacements	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	50,000						(50,000)
Furniture Replacements		19,320	32,550	14,160	2,320	29,950	25,000	25,000	25,000	25,000	198,300						(198,300)
Folder/Inserter Machine at CAB				16,300				16,300			32,600						(32,600)
Unscheduled Furniture Replacements	9,000	9,000	9,000	9,000	9,000	9,000	9,000	9,000	9,000	9,000	90,000						(90,000)
Total Replacement/State of Good Repair	14,000	33,320	46,550	44,460	16,320	43,950	39,000	55,300	39,000	39,000	370,900						(370,900)
New/Enhanced Service																	
Software Solution for Procurement Process/Activity		4,000									4,000						(4,000)
Total New/Enhanced Service		4,000									4,000						(4,000)
Total Support Services	14,000	37,320	46,550	44,460	16,320	43,950	39,000	55,300	39,000	39,000	374,900						(374,900)

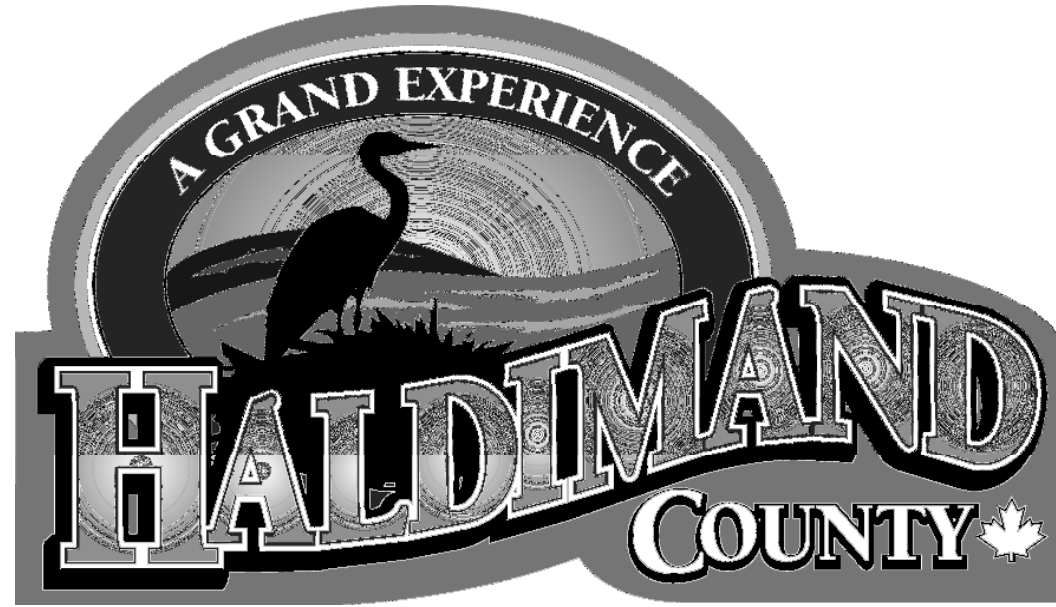
Haldimand County

2019 to 2028 CAPITAL FORECAST

Division: Administration Facilities

	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	Total Expenditures	Grants Subsidies	External Financing	Development Charges Rsvs Funds	Community Vibrancy Rsvs Fund	Reserves/ Reserve Funds	Debenture Financing
Administration Facilities																	
General Facilities																	
Replacement/State of Good Repair																	
FAC ADMIN - Asbestos Management Program	11,200	9,500	31,200	9,500	9,500	9,500	9,500	9,500	9,500	9,500	118,400						(118,400)
FAC ADMIN - Bldg Condition Assessments	25,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000	250,000						(250,000)
FAC ADMIN - Roof Maintenance & Repair	4,000	4,000	2,000	2,000	2,000	2,000	511,500	2,000	2,000	2,000	533,500						(533,500)
FAC ADMIN -Communication Tower Replacement	300,000					300,000					600,000						(600,000)
FAC ADMIN - Lock & Security Replacement	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	200,000						(200,000)
Demo - Old Cayuga Library/Old Cayuga Firehall	250,000										250,000						(250,000)
Total Replacement/State of Good Repair	610,200	58,500	78,200	56,500	56,500	356,500	566,000	56,500	56,500	56,500	1,951,900						(1,951,900)
New/Enhanced Service																	
FAC ADMIN - Central Admin Facility - Post Warranty Renovation for H&SS Space	520,000			50,000	50,000	50,000	50,000	50,000	50,000	50,000	350,000						(350,000)
Total New/Enhanced Service	520,000			50,000	50,000	50,000	50,000	50,000	50,000	50,000	870,000						(870,000)
Total General Facilities	1,130,200	58,500	78,200	106,500	106,500	406,500	616,000	106,500	106,500	106,500	2,821,900						(2,821,900)
Dunnville Multi-Purpose Facility																	
Replacement/State of Good Repair																	
DMPB - Building & Exterior Upgrades		27,000					27,000				54,000						(54,000)
DMPB - Doors & Overhead Doors						19,200					19,200						(19,200)
DMPB - Carpet & Floor Tile Replacement		67,500									67,500						(67,500)
DMPB - Washroom/Lunchroom Fixture Replc.		6,800									6,800						(6,800)
DMPB - HVAC Replacement (BCA)		101,500									101,500						(101,500)
Total Replacement/State of Good Repair		202,800				19,200	27,000				249,000						(249,000)
New/Enhanced Service																	
DMPB - Lighting Retrofit & Design		60,000									60,000						(60,000)
Total New/Enhanced Service		60,000									60,000						(60,000)
Total Dunnville Multi-Purpose Facility		262,800				19,200	27,000				309,000						(309,000)
Haldimand County Caledonia Centre																	
New/Enhanced Service																	
HCCC - Office Renovation	190,000										190,000						(190,000)
Total New/Enhanced Service	190,000										190,000						(190,000)
Total Haldimand County Caledonia Centre	190,000										190,000						(190,000)
Total Administration Facilities	1,320,200	321,300	78,200	106,500	106,500	425,700	643,000	106,500	106,500	106,500	3,320,900						(3,320,900)

Note: (W) Water; (WW) Wastewater; (SS) Storm Sewer; (R) Roads



PROTECTION SERVICES



Haldimand County

2019 to 2028 CAPITAL FORECAST

Division: **Protection Services**

	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	Total Expenditures	Grants Subsidies	External Financing	Development Charges Rsve Funds	Community Vibrancy Rsve Funds	Reserve/ Reserve Funds	Debenture Financing
Protection Services																	
Emergency Management			3,700					3,700			7,400						(7,400)
Fire Services	565,300	435,700	3,750,700	322,700	309,200	302,700	316,200	3,663,900	404,700	311,700	10,382,800		(300,000)	(2,258,670)		(3,445,750)	(4,378,380)
Plans Examination and Inspection	9,750										9,750						(9,750)
Total Protection Services	575,050	435,700	3,754,400	322,700	309,200	302,700	316,200	3,667,600	404,700	311,700	10,399,950		(300,000)	(2,258,670)		(3,462,900)	(4,378,380)

Haldimand County

2019 to 2028 CAPITAL FORECAST

Division: Emergency Management

	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	Total Expenditures	Grants Subsidies	External Financing	Development Charges Rsvs Funds	Community Vibrancy Rsvs Fund	Reserves/ Reserve Funds	Debt/ure Financing
Community Emergency Management																	
Replacement/State of Good Repair																	
LED TV's			1,700					1,700			3,400						(3,400)
Interactive Whiteboard			2,000					2,000			4,000						(4,000)
Total Replacement/State of Good Repair			3,700					3,700			7,400						(7,400)
Total Community Emergency Management			3,700					3,700			7,400						(7,400)

Haldimand County

2019 to 2028 CAPITAL FORECAST

Division: Fire Services

	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	Total Expenditures	Grants Subsidies	External Financing	Development Charges Rsvs Funds	Community Vibrancy Rsvs Fund	Reserves/ Reserve Funds	Debtenture Financing
Fire Services																	
Fire General Administration																	
Replacement/State of Good Repair																	
Nozzles/Appliances	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	100,000						(100,000)
Gas Detection Equipment	5,000		5,000		5,000		5,000		5,000		25,000						(25,000)
Bunker Gear	47,000	49,000	51,000	51,000	51,000	51,000	51,000	51,000	51,000	51,000	504,000						(504,000)
Generators	7,000			7,000			7,000			7,000	28,000						(28,000)
Firefighting Tools	15,000	15,000	15,000	15,000	15,000	15,000	15,000	15,000	15,000	15,000	150,000			(50,000)			(100,000)
Hose	15,000	15,000	15,000	15,000	15,000	15,000	15,000	15,000	15,000	15,000	150,000						(150,000)
Pagers/Portable Radios- Com'n Equip't	34,700	34,700	34,700	34,700	34,700	34,700	34,700	34,700	34,700	34,700	347,000						(347,000)
SCBA Equipment	98,000	98,000	98,000	98,000	92,500	85,000	92,500	98,000	98,000	98,000	956,000						(956,000)
Automatic External Defibrillators (14)									50,000		50,000						(50,000)
Ventilation Fans and Saws		6,000		6,000		6,000		6,000		6,000	30,000						(30,000)
Water and Ice Rescue Suit Replacements	10,000	10,000	7,500	5,000	5,000	5,000	5,000	5,000	5,000	5,000	62,500						(62,500)
Thermal Imaging Camera Replacements									40,000	40,000	80,000						(80,000)
Total Replacement/State of Good Repair	241,700	237,700	236,200	241,700	228,200	221,700	235,200	234,700	323,700	281,700	2,482,500			(50,000)			(2,432,500)
New/Enhanced Service																	
Purchases by Associations	30,000	30,000	30,000	30,000	30,000	30,000	30,000	30,000	30,000	30,000	300,000		(300,000)				
Back-up Dispatch Generator		10,000									10,000						(10,000)
Station Computers (11)	28,600										28,600						(28,600)
Total New/Enhanced Service	58,600	40,000	30,000	30,000	30,000	30,000	30,000	30,000	30,000	30,000	338,600		(300,000)				(38,600)
Total Fire General Administration	300,300	277,700	266,200	271,700	258,200	251,700	265,200	264,700	353,700	311,700	2,821,100		(300,000)	(50,000)			(2,471,100)
Caledonia Fire Hall Stn#1																	
Replacement/State of Good Repair																	
Auto Extrication Ram																	
Fire Station Replacement	42,000		3,414,000								3,456,000			(1,036,800)			(112,700) (2,306,500)
Auto Extrication Strut Stabilizatn Equip			7,000								7,000						(7,000)
Total Replacement/State of Good Repair	42,000		3,421,000								3,463,000			(1,036,800)			(119,700) (2,306,500)
New/Enhanced Service																	
Auto Extrication Electric Spreaders							19,000				19,000						(19,000)
Auto Extrication Electric Ram							14,500				14,500						(14,500)
Auto Extrication Electric Cutter							17,500				17,500						(17,500)
Total New/Enhanced Service							51,000				51,000						(51,000)
Total Caledonia Fire Hall Stn#1	42,000		3,421,000				51,000				3,514,000			(1,036,800)			(170,700) (2,306,500)
Hagersville Fire Hall Stn#2																	
Replacement/State of Good Repair																	
Station Repairs (painting/drywall & door repairs)	15,000										15,000						(15,000)
Total Replacement/State of Good Repair	15,000										15,000						(15,000)
New/Enhanced Service																	
Auto Extrication Electric Spreaders									19,000		19,000						(19,000)

Note: (W) Water; (WW) Wastewater; (SS) Storm Sewer; (R) Roads

Haldimand County

2019 to 2028 CAPITAL FORECAST

Division: Fire Services

	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	Total Expenditures	Grants Subsidies	External Financing	Development Charges Rsve Funds	Community Vibrancy Rsve Fund	Reserves/Reserve Funds	Debtenture Financing	
Auto Extrication Electric Ram									14,500		14,500						(14,500)	
Auto Extrication Electric Cutter									17,500		17,500						(17,500)	
Total New/Enhanced Service									51,000		51,000						(51,000)	
Total Hagersville Fire Hall Stn#2	15,000								51,000		66,000						(66,000)	
Jarvis Fire Hall Stn#3																		
New/Enhanced Service																		
Auto Extrication Electric Ram				14,500							14,500						(14,500)	
Parking Lot Replacement/Expansion		60,000									60,000						(60,000)	
Auto Extrication Electric Cutters				17,500							17,500						(17,500)	
Auto Extrication Electric Spreaders				19,000							19,000						(19,000)	
Total New/Enhanced Service		60,000		51,000							111,000						(111,000)	
Total Jarvis Fire Hall Stn#3		60,000		51,000							111,000						(111,000)	
Cayuga Fire Hall Stn#4																		
Replacement/State of Good Repair																		
Station Repairs (painting/drywall & door repairs)	10,000										10,000						(10,000)	
Total Replacement/State of Good Repair	10,000										10,000						(10,000)	
New/Enhanced Service																		
Auto Extrication Electric Spreaders					19,000						19,000						(19,000)	
Auto Extrication Electric Ram					14,500						14,500						(14,500)	
Auto Extrication Electric Cutter					17,500						17,500						(17,500)	
Total New/Enhanced Service					51,000						51,000						(51,000)	
Total Cayuga Fire Hall Stn#4	10,000				51,000						61,000						(61,000)	
Dunnville Fire Hall Stn#9																		
Replacement/State of Good Repair																		
Fire Station Replacement								3,348,200			3,348,200			(1,171,870)			(104,450)	(2,071,880)
Total Replacement/State of Good Repair								3,348,200			3,348,200			(1,171,870)			(104,450)	(2,071,880)
New/Enhanced Service																		
Auto Extrication Electric Spreaders					19,000						19,000						(19,000)	
Auto Extrication Electric Ram					14,500						14,500						(14,500)	
Auto Extrication Electric Cutter					17,500						17,500						(17,500)	
Total New/Enhanced Service					51,000						51,000						(51,000)	
Total Dunnville Fire Hall Stn#9					51,000			3,348,200			3,399,200			(1,171,870)			(155,450)	(2,071,880)
Selkirk Fire Hall Stn#13																		
Replacement/State of Good Repair																		
Air Conditioner/Furnace Replacement	10,000										10,000						(10,000)	
Total Replacement/State of Good Repair	10,000										10,000						(10,000)	
New/Enhanced Service																		
Auto Extrication Mini-Spreader		5,000									5,000						(5,000)	
Auto Extrication Mini-Cutter		4,000									4,000						(4,000)	
Bunker Gear Washing Machine	10,000										10,000						(10,000)	

Note: (W) Water; (WW) Wastewater; (SS) Storm Sewer; (R) Roads

Haldimand County

2019 to 2028 CAPITAL FORECAST

Division: Fire Services

	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	Total Expenditures	Grants Subsidies	External Financing	Development Charges Rsvs Funds	Community Vibrancy Rsvs Fund	Reserves/Reserve Funds	Debtenture Financing
Bunker Gear Dryer	10,000										10,000					(10,000)	
Auto Extrication Electric Spreaders								19,000			19,000					(19,000)	
Auto Extrication Electric Ram								14,500			14,500					(14,500)	
Auto Extrication Electric Cutter								17,500			17,500					(17,500)	
Total New/Enhanced Service	20,000	9,000						51,000			80,000					(80,000)	
Total Selkirk Fire Hall Stn#13	30,000	9,000						51,000			90,000					(90,000)	
Lowbanks Fire Hall Stn#7																	
Replacement/State of Good Repair																	
Station Repairs (painting/drywall, door & window repairs)	15,000										15,000					(15,000)	
Total Replacement/State of Good Repair	15,000										15,000					(15,000)	
New/Enhanced Service																	
Auto Extrication Mini-Spreader			5,000								5,000					(5,000)	
Auto Extrication Mini-Cutter			4,000								4,000					(4,000)	
Auto Extrication Stabilization Struts			7,000								7,000					(7,000)	
Auto Extrication Airbags			7,500								7,500					(7,500)	
Station Natural Gas Generator	17,000										17,000					(17,000)	
Total New/Enhanced Service	17,000		23,500								40,500					(40,500)	
Total Lowbanks Fire Hall Stn#7	32,000		23,500								55,500					(55,500)	
Fisherville Fire Hall Stn#12																	
Replacement/State of Good Repair																	
Furnace Replacement		10,000									10,000					(10,000)	
Total Replacement/State of Good Repair		10,000									10,000					(10,000)	
New/Enhanced Service																	
Auto Extrication Mini-Spreader	5,000										5,000					(5,000)	
Bunker Gear Racks		8,000									8,000					(8,000)	
Total New/Enhanced Service	5,000	8,000									13,000					(13,000)	
Total Fisherville Fire Hall Stn#12	5,000	18,000									23,000					(23,000)	
Canborough Fire Hall Stn#6																	
Replacement/State of Good Repair																	
Furnace Replacement		15,000									15,000					(15,000)	
Parking Lot Replacement			40,000								40,000					(40,000)	
Roof Replacement	80,000										80,000					(80,000)	
Total Replacement/State of Good Repair	80,000	15,000	40,000								135,000					(135,000)	
New/Enhanced Service																	
Auto Extrication Electric Spreaders		19,000									19,000					(19,000)	
Auto Extrication Electric Ram		14,500									14,500					(14,500)	
Auto Extrication Electric Cutters		17,500									17,500					(17,500)	
Total New/Enhanced Service		51,000									51,000					(51,000)	
Total Canborough Fire Hall Stn#6	80,000	66,000	40,000								186,000					(186,000)	
South Haldimand Fire Hall Stn#11																	

Haldimand County

2019 to 2028 CAPITAL FORECAST

Division: Fire Services

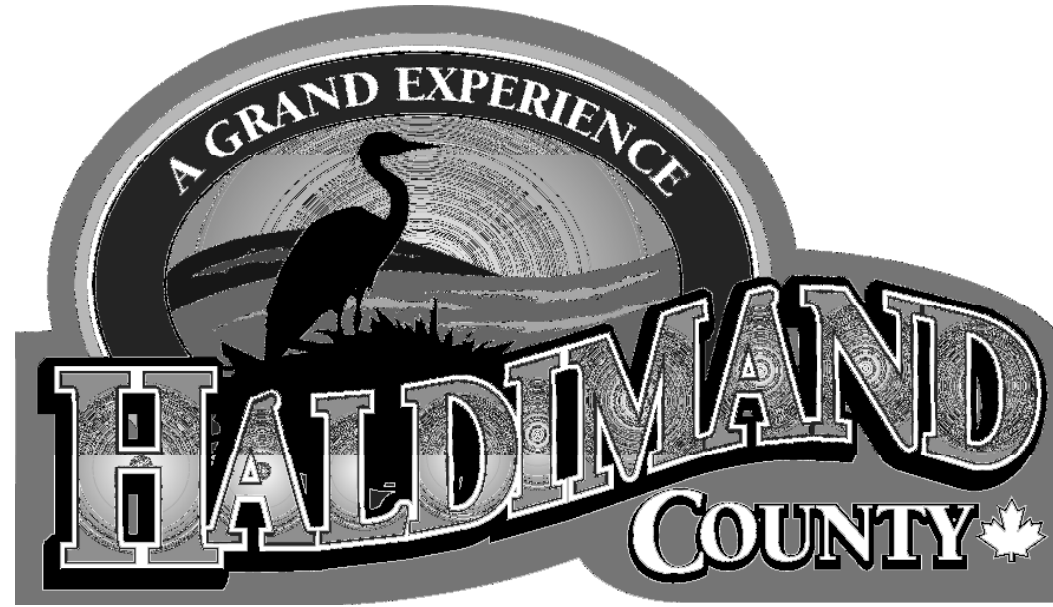
	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028		Total	Grants	External	Development	Community	Reserves/	Debenture	
												Expenditures	Subsidies	Financing	Charges	Vibrancy	Reserve	Financing	
															Rsve Funds	Rsve Fund	Funds		
New/Enhanced Service																			
Auto Extrication Electric Spreaders	19,000											19,000						(19,000)	
Auto Extrication Electric Ram	14,500											14,500						(14,500)	
Auto Extrication Electric Cutters	17,500											17,500						(17,500)	
Auto Extrication Mini-Spreader		5,000										5,000						(5,000)	
Total New/Enhanced Service	51,000	5,000										56,000						(56,000)	
Total South Haldimand Fire Hall Stn#11	51,000	5,000										56,000						(56,000)	
Total Fire Services	565,300	435,700	3,750,700	322,700	309,200	302,700	316,200	3,663,900	404,700	311,700		10,382,800		(300,000)	(2,258,670)			(3,445,750)	(4,378,380)

Haldimand County

2019 to 2028 CAPITAL FORECAST

Division: Plans Examination and Inspection

	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	Total Expenditures	Grants Subsidies	External Financing	Development Charges Rsvs Funds	Community Vibrancy Rsvs Fund	Reserves/ Reserve Funds	Debt/ure Financing
Plans Examination and Inspection																	
New/Enhanced Service																	
Mobile Technology Vehicle Mounts		9,750									9,750						(9,750)
Total New/Enhanced Service		9,750									9,750						(9,750)
Total Plans Examination and Inspection		9,750									9,750						(9,750)



TRANSPORTATION SERVICES



Haldimand County

2019 to 2028 CAPITAL FORECAST

Division: Transportation Services

	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	Total Expenditures	Grants Subsidies	External Financing	Development Charges Rsve Funds	Community Vibrancy Rsve Funds	Reserve/ Reserve Funds	Debenture Financing
Transportation Services																	
Fleet and Equipment Pool	2,884,400	3,511,600	1,438,200	2,941,700	3,031,300	2,687,550	1,026,150	993,100	2,979,200	4,964,050	26,457,250			(2,082,500)		(24,374,750)	
Roads Facilities	634,000	29,000	29,000	114,000	29,000	29,000	29,000	29,000	29,000	29,000	980,000			(20,000)		(960,000)	
Other Roadwork	1,912,500	1,153,000	902,500	762,500	1,139,500	657,500	687,500	777,500	687,500	657,500	9,337,500			(999,400)		(8,338,100)	
Road Reconstruction	3,480,000	250,000	6,020,000	210,000	125,000						10,085,000			(8,300,000)		(1,785,000)	
Hot Mix Resurfacing	3,320,000	2,575,000	4,135,000	3,917,000	4,335,000	4,750,000	4,099,000	4,430,000	3,935,000	3,910,000	39,406,000	(6,422,370)	(750,000)			(32,233,630)	
Structure Projects	1,776,000	2,161,000	1,596,000	3,306,500	2,035,000	1,768,000	1,959,000	1,999,000	2,279,000	2,251,000	21,130,500			(1,368,500)		(19,762,000)	
Urban Paving Program	980,000	1,014,900	1,541,000	2,251,000	672,370	1,114,580	3,293,890	1,479,890	1,081,890	2,318,450	15,747,970					(15,747,970)	
Miscellaneous Paving										153,000	153,000					(153,000)	
Surface Treatment Program	2,675,000	1,630,000	1,320,000	2,630,000	2,050,000	1,610,000	1,400,000	1,420,000	1,420,000	1,400,000	17,555,000	(3,870,000)	(650,000)		(200,000)	(12,835,000)	
Gravel Road Conversion Program	3,170,000	3,066,900	2,752,900	3,101,500	2,039,520	1,532,300	1,749,000	2,166,500	1,198,800	296,000	21,073,420	(12,147,140)		(1,950,390)		(6,975,890)	
Municipal Drains	506,300	157,300	325,800	544,500	382,000	286,500	263,300	282,400	265,100	285,200	3,298,400	(372,880)	(2,226,030)			(699,490)	
Total Transportation Services	21,338,200	15,548,700	20,060,400	19,778,700	15,838,690	14,435,430	14,506,840	13,577,390	13,875,490	16,264,200	165,224,040	(22,812,390)	(3,626,030)	(14,720,790)	(200,000)	(123,864,830)	

Haldimand County

2019 to 2028 CAPITAL FORECAST

Division: Fleet and Equipment Pool

	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	Total Expenditures	Grants Subsidies	External Financing	Development Charges Rsvs Funds	Community Vibrancy Rsvs Fund	Reserves/ Reserve Funds	Debtenture Financing
Fleet and Equipment Pool																	
Fleet & Equipment Pool Replacement																	
Replacement/State of Good Repair																	
Ambulance - First Response Vehicle (10 Yr forecast)				50,000	50,000						100,000						(100,000)
Ambulances (10 Yr Forecast)		175,000	175,000	5,000	350,000	350,000	175,000	175,000	180,000		1,585,000						(1,585,000)
Loaders, Tractors, Sweepers (10 Yr Forecast)		420,000	190,000			385,000		165,000	180,000	540,000	1,880,000						(1,880,000)
Riding and Push Mowers (10 Yr Forecast)		123,550	160,000	107,000	17,100	16,000	85,000	550		550	509,750						(509,750)
Misc Equip & Tools (10 Yr Forecast)		39,250	80,200	20,350	26,550	8,200	13,550	35,050	81,600	37,350	342,100						(342,100)
Generators, Welders, Compressors (10 Yr Forecast)		21,000	3,000	3,000	3,000	3,000	6,000	48,000	3,000		90,000						(90,000)
Saws and Trimmers (10 Yr Forecast)		16,500	6,000	850	11,150	16,350	17,600	9,500	4,600	5,650	88,200						(88,200)
Cars, Vans, Pickups (10 Yr Forecast)		484,000	386,000	333,000	343,000	103,000	56,000	205,000	105,000	591,000	2,606,000						(2,606,000)
Ice Equipment (10 Yr Forecast)		100,000	100,000	10,000	5,000	105,000	100,000			100,000	520,000						(520,000)
One Tons and Special Equipment (10 Yr Forecast)			195,000	60,000		293,000	70,000			60,000	678,000						(678,000)
Plow Trucks and Motor Graders (10 Yr Forecast)		960,000			930,000	620,000	175,000		550,000	2,630,000	5,865,000						(5,865,000)
Trailers and Rollers (10 Yr Forecast)		67,000		4,500		75,000		47,000	7,000	11,500	212,000						(212,000)
Fire Apparatus Equipment (10 Yr Forecast)		110,000			87,500		50,000		50,000	100,000	397,500						(397,500)
Fire Apparatus Rescue (10 Yr Forecast)		300,000						300,000	70,000	300,000	970,000						(970,000)
Fire Appartus Pumpers (10 Yr Forecast)				580,000	580,000	580,000			1,740,000	580,000	4,060,000						(4,060,000)
Fire Appartus Tankers (10 Yr Forecast)		135,000	135,000	135,000	235,000	270,000	270,000				1,180,000						(1,180,000)
Side Loading Packer - FAPO (1)	175,000										175,000						(175,000)
Flusher/Vacuum Truck (2018) - WWW (1)	525,000										525,000						(525,000)
Ambulance - EMS (1)	175,000										175,000						(175,000)
Pickup - FIRE (1)	50,000										50,000						(50,000)
Trailer - FIRE (1)	4,500										4,500						(4,500)
Tanker - FIRE (1)	135,000										135,000						(135,000)
Tandem Axle Plow/Sander - ROADS (2)	620,000										620,000						(620,000)
One Ton - ROADS (1)	75,000										75,000						(75,000)
Pickup Trucks - ROADS (2)	76,000										76,000						(76,000)
Pressure Washer, Hot - ROADS (1)	8,000										8,000						(8,000)
Pole Saw - ROADS (1)	1,000										1,000						(1,000)
Riding Mower, Large - FAPO - (2)	75,000										75,000						(75,000)
Riding Mower, Small - FAPO (1)	16,000										16,000						(16,000)
Hedgetrimmer - FAPO (2)	550										550						(550)
String Trimmers - FAPO (7)	4,200										4,200						(4,200)
One Ton - WWW (1)	64,000										64,000						(64,000)
Pickup Truck - WWW (1)	35,000										35,000						(35,000)
Portable Generator - WWW (1)	3,000										3,000						(3,000)
Mobility Transit Van - GVL (1)	75,000										75,000						(75,000)
Compact SUV - BLDG - (2)	64,000										64,000						(64,000)
Total Replacement/State of Good Repair	2,181,250	2,951,300	1,430,200	1,308,700	3,023,300	2,439,550	1,018,150	985,100	2,971,200	4,956,050	23,264,800						(23,264,800)

Note: (W) Water; (WW) Wastewater; (SS) Storm Sewer; (R) Roads

Haldimand County

2019 to 2028 CAPITAL FORECAST

Division: Fleet and Equipment Pool

	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	Total Expenditures	Grants Subsidies	External Financing	Development Charges Rsvs Funds	Community Vibrancy Rsvs Fund	Reserves/ Reserve Funds	Debtenture Financing
Total Fleet & Equipment Pool Replacement	2,181,250	2,951,300	1,430,200	1,308,700	3,023,300	2,439,550	1,018,150	985,100	2,971,200	4,956,050	23,264,800						(23,264,800)
Fleet & Equipment New																	
New/Enhanced Service																	
Single Axle Plow/Sander - ROADS (1)						240,000					240,000			(240,000)			
Hotbox -Large - ROADS (2)	50,000	50,000									100,000						(100,000)
One Ton Sign Truck - ROADS (1)	70,000										70,000						(70,000)
Aerial Truck - FIRE				1,400,000							1,400,000			(1,400,000)			
Ambulance - EMS				175,000							175,000			(157,500)			(17,500)
First Response Vehicle - EMS				50,000							50,000			(45,000)			(5,000)
Retrofit 2017 Ambulances with Power Load Systems	60,000										60,000						(60,000)
Catch Basin Cleaner/Flusher - ROADS (1)	20,000										20,000						(20,000)
Brushcutter - ROADS (1)	10,000										10,000						(10,000)
Multi Function Trimmer - ROADS (4)	6,000										6,000						(6,000)
Electronic Distance Counters - ROADS (4)	8,400										8,400						(8,400)
Tandem Axle Plow/Sander - ROADS (1)	285,000										285,000						(285,000)
Snow Blower - SW - (1)	4,000										4,000						(4,000)
Backpack Leaf Blower - SW (1)	750										750						(750)
Utility Work Machine - FAPO (1)	110,000										110,000						(110,000)
Trailer - Utility Work Machine - FAPO (1)	7,000										7,000						(7,000)
Portable Generator - Walpole ROADS (1)	3,000										3,000						(3,000)
Portable Generator - Dunnville ROADS (1)	3,000										3,000						(3,000)
Portable Generator - Cayuga ROADS (1)	3,000										3,000						(3,000)
Plate Tamper - Dunnville ROADS (1)	5,000										5,000						(5,000)
Total New/Enhanced Service	645,150	50,000		1,625,000		240,000					2,560,150			(1,842,500)			(717,650)
Total Fleet & Equipment New	645,150	50,000		1,625,000		240,000					2,560,150			(1,842,500)			(717,650)
Kohler Fleet Office																	
Replacement/State of Good Repair																	
Roof Replacement/Repair		102,300									102,300						(102,300)
Kohler Facility Repairs and Maintenance	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	50,000						(50,000)
Total Replacement/State of Good Repair	5,000	107,300	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	152,300						(152,300)
Total Kohler Fleet Office	5,000	107,300	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	152,300						(152,300)
Kohler Fleet Garage																	
Replacement/State of Good Repair																	
Two-Way Radio Sys-Base Stn & Portables	3,000	3,000	3,000	3,000	3,000	3,000	3,000	3,000	3,000	3,000	30,000						(30,000)
Total Replacement/State of Good Repair	3,000	3,000	3,000	3,000	3,000	3,000	3,000	3,000	3,000	3,000	30,000						(30,000)
New/Enhanced Service																	
Building-Storage & Parts Room	50,000	400,000									450,000			(240,000)			(210,000)
Total New/Enhanced Service	50,000	400,000									450,000			(240,000)			(210,000)
Total Kohler Fleet Garage	53,000	403,000	3,000	3,000	3,000	3,000	3,000	3,000	3,000	3,000	480,000			(240,000)			(240,000)
Total Fleet and Equipment Pool	2,884,400	3,511,600	1,438,200	2,941,700	3,031,300	2,687,550	1,026,150	993,100	2,979,200	4,964,050	26,457,250			(2,082,500)			(24,374,750)

Note: (W) Water; (WW) Wastewater; (SS) Storm Sewer; (R) Roads

Haldimand County

2019 to 2028 CAPITAL FORECAST

Division: Roads Facilities

	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	Total Expenditures	Grants Subsidies	External Financing	Development Charges Rsvs Funds	Community Vibrancy Rsvs Fund	Reserves/ Reserve Funds	Debt/ Debture Financing
Roads Facilities																	
Replacement/State of Good Repair																	
Sand and Salt Dome Minor Repairs	4,000	4,000	4,000	4,000	4,000	4,000	4,000	4,000	4,000	4,000	40,000						(40,000)
Oneida Building-Roof Replacement	200,000										200,000						(200,000)
Operations Buildings-Repairs/Renovations	50,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000	275,000						(275,000)
Facility Condition Assess (4) Facilities	40,000										40,000			(20,000)			(20,000)
Dunnville Garage - Retrofit Overhead Doors (4x12ft) (2)	300,000										300,000						(300,000)
Dunnville - Salt Dome Fabric Replacement				85,000							85,000						(85,000)
Dunnville - Roof Repl Sand Storage Facility	25,000										25,000						(25,000)
Total Replacement/State of Good Repair	619,000	29,000	29,000	114,000	29,000	29,000	29,000	29,000	29,000	29,000	965,000			(20,000)			(945,000)
New/Enhanced Service																	
Oneida - Automatic Natural Gas Backup Generator	15,000										15,000						(15,000)
Total New/Enhanced Service	15,000										15,000						(15,000)
Total Roads Facilities	634,000	29,000	29,000	114,000	29,000	29,000	29,000	29,000	29,000	29,000	980,000			(20,000)			(960,000)

Haldimand County

2019 to 2028 CAPITAL FORECAST

Division: Other Roadwork

	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	Total Expenditures	Grants Subsidies	External Financing	Development Charges Rsvs Funds	Community Vibrancy Rsvs Fund	Reserves/ Reserve Funds	Debt/ure Financing
Other Roadwork																	
Hardtop Surface & Shoulder Maint																	
Replacement/State of Good Repair																	
Raised Traffic Island and Curb Rehabilitation	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	1,000,000						(1,000,000)
Hot Mix Padding - Sealing Program	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	1,000,000						(1,000,000)
Total Replacement/State of Good Repair	200,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000	2,000,000						(2,000,000)
Total Hardtop Surface & Shoulder Maint	200,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000	2,000,000						(2,000,000)
Storm Sewer/Catch Basin Maint																	
Replacement/State of Good Repair																	
Storm Sewer/Catch Basin Rehabilitation	60,000	60,000	60,000	60,000	60,000	60,000	60,000	60,000	60,000	60,000	600,000						(600,000)
Total Replacement/State of Good Repair	60,000	60,000	60,000	60,000	60,000	60,000	60,000	60,000	60,000	60,000	600,000						(600,000)
Total Storm Sewer/Catch Basin Maint	60,000	60,000	60,000	60,000	60,000	60,000	60,000	60,000	60,000	60,000	600,000						(600,000)
Traffic Signals																	
Replacement/State of Good Repair																	
Traffic Signal Light Program	15,000										15,000						(15,000)
Total Replacement/State of Good Repair	15,000										15,000						(15,000)
New/Enhanced Service																	
Traffic Signal Additional Inventory			15,000					15,000			30,000						(30,000)
Total New/Enhanced Service			15,000					15,000			30,000						(30,000)
Total Traffic Signals	15,000		15,000					15,000			45,000						(45,000)
Bridge & Culvert Maintenance																	
Replacement/State of Good Repair																	
Culvert Placement and Lining Rehabilitation	200,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000	2,000,000						(2,000,000)
Drainage Consultant Culvert Assessment		200,000	200,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000	575,000						(575,000)
Total Replacement/State of Good Repair	200,000	400,000	400,000	225,000	225,000	225,000	225,000	225,000	225,000	225,000	2,575,000						(2,575,000)
New/Enhanced Service																	
Roadside Barrier Program	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	1,000,000						(1,000,000)
Total New/Enhanced Service	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	1,000,000						(1,000,000)
Total Bridge & Culvert Maintenance	300,000	500,000	500,000	325,000	325,000	325,000	325,000	325,000	325,000	325,000	3,575,000						(3,575,000)
Street Lighting																	
Replacement/State of Good Repair																	
Light Standard Repl Urban Areas	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	100,000						(100,000)
Streetlight Design and Review	2,500	2,500	2,500	2,500	2,500	2,500	2,500	2,500	2,500	2,500	25,000						(25,000)
Total Replacement/State of Good Repair	12,500	12,500	12,500	12,500	12,500	12,500	12,500	12,500	12,500	12,500	125,000						(125,000)
New/Enhanced Service																	
Street Light Placement (Rural Intersections)	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	100,000						(100,000)
Total New/Enhanced Service	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	100,000						(100,000)
Total Street Lighting	22,500	22,500	22,500	22,500	22,500	22,500	22,500	22,500	22,500	22,500	225,000						(225,000)
Miscellaneous Construction																	
Replacement/State of Good Repair																	

Note: (W) Water; (WW) Wastewater; (SS) Storm Sewer; (R) Roads

Haldimand County

2019 to 2028 CAPITAL FORECAST

Division: Other Roadwork

	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	Total Expenditures	Grants Subsidies	External Financing	Development Charges Rsvs Funds	Community Vibrancy Rsvs Fund	Reserves/ Reserve Funds	Debt/ure Financing
Other Roadwork																	
Hardtop Surface & Shoulder Maint																	
Replacement/State of Good Repair																	
Raised Traffic Island and Curb Rehabilitation	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	1,000,000						(1,000,000)
Hot Mix Padding - Sealing Program	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	1,000,000						(1,000,000)
Total Replacement/State of Good Repair	200,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000	2,000,000						(2,000,000)
Total Hardtop Surface & Shoulder Maint	200,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000	2,000,000						(2,000,000)
Storm Sewer/Catch Basin Maint																	
Replacement/State of Good Repair																	
Storm Sewer/Catch Basin Rehabilitation	60,000	60,000	60,000	60,000	60,000	60,000	60,000	60,000	60,000	60,000	600,000						(600,000)
Total Replacement/State of Good Repair	60,000	60,000	60,000	60,000	60,000	60,000	60,000	60,000	60,000	60,000	600,000						(600,000)
Total Storm Sewer/Catch Basin Maint	60,000	60,000	60,000	60,000	60,000	60,000	60,000	60,000	60,000	60,000	600,000						(600,000)
Traffic Signals																	
Replacement/State of Good Repair																	
Traffic Signal Light Program	15,000										15,000						(15,000)
Total Replacement/State of Good Repair	15,000										15,000						(15,000)
New/Enhanced Service																	
Traffic Signal Additional Inventory			15,000					15,000			30,000						(30,000)
Total New/Enhanced Service			15,000					15,000			30,000						(30,000)
Total Traffic Signals	15,000		15,000					15,000			45,000						(45,000)
Bridge & Culvert Maintenance																	
Replacement/State of Good Repair																	
Culvert Placement and Lining Rehabilitation	200,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000	200,000	2,000,000						(2,000,000)
Drainage Consultant Culvert Assessment		200,000	200,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000	575,000						(575,000)
Total Replacement/State of Good Repair	200,000	400,000	400,000	225,000	225,000	225,000	225,000	225,000	225,000	225,000	2,575,000						(2,575,000)
New/Enhanced Service																	
Roadside Barrier Program	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	1,000,000						(1,000,000)
Total New/Enhanced Service	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	1,000,000						(1,000,000)
Total Bridge & Culvert Maintenance	300,000	500,000	500,000	325,000	325,000	325,000	325,000	325,000	325,000	325,000	3,575,000						(3,575,000)
Street Lighting																	
Replacement/State of Good Repair																	
Light Standard Repl Urban Areas	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	100,000						(100,000)
Streetlight Design and Review	2,500	2,500	2,500	2,500	2,500	2,500	2,500	2,500	2,500	2,500	25,000						(25,000)
Total Replacement/State of Good Repair	12,500	12,500	12,500	12,500	12,500	12,500	12,500	12,500	12,500	12,500	125,000						(125,000)
New/Enhanced Service																	
Street Light Placement (Rural Intersections)	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	100,000						(100,000)
Total New/Enhanced Service	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	100,000						(100,000)
Total Street Lighting	22,500	22,500	22,500	22,500	22,500	22,500	22,500	22,500	22,500	22,500	225,000						(225,000)
Miscellaneous Construction																	
Replacement/State of Good Repair																	

Note: (W) Water; (WW) Wastewater; (SS) Storm Sewer; (R) Roads

Haldimand County

2019 to 2028 CAPITAL FORECAST

Division: Other Roadwork

	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	Total Expenditures	Grants Subsidies	External Financing	Development Charges Rsvs Funds	Community Vibrancy Rsvs Fund	Reserves/ Reserve Funds	Debtenture Financing
Decommission Old Gas Wells/Cisterns	35,000	35,000	35,000	35,000	35,000	35,000	35,000	35,000	35,000	35,000	350,000						(350,000)
Caledonia Downtown Municipal Parking Lot Paving					285,000						285,000			(256,500)			(28,500)
Hag - King St E Sidewalk - Sherring to Parkview	160,000										160,000						(160,000)
Total Replacement/State of Good Repair	195,000	35,000	35,000	35,000	320,000	35,000	35,000	35,000	35,000	35,000	795,000			(256,500)			(538,500)
New/Enhanced Service																	
Caledonia Decorative Crosswalks					132,000						132,000			(36,900)			(95,100)
Rainham Rd Shoulder Paving - Sandusk to Rd 55		265,500									265,500			(177,000)			(88,500)
Cal - Argyle/Haddington Intersection Improvements	840,000										840,000			(84,000)			(756,000)
Road 20 Shoulder Paving - Parkview Rd to Rd 27	200,000										200,000			(200,000)			
Dunnville - Main Street Pedestrian Cross Over	25,000										25,000						(25,000)
Dun - Fairview School Sidewalk Connection	15,000										15,000						(15,000)
Total New/Enhanced Service	1,080,000	265,500			132,000						1,477,500			(497,900)			(979,600)
Total Miscellaneous Construction	1,275,000	300,500	35,000	35,000	452,000	35,000	35,000	35,000	35,000	35,000	2,272,500			(754,400)			(1,518,100)
Technical Studies																	
Replacement/State of Good Repair																	
Preliminary Engineering Investigations	15,000	15,000	15,000	15,000	15,000	15,000	15,000	15,000	15,000	15,000	150,000						(150,000)
Roads Needs Study				75,000					75,000		150,000						(150,000)
Railway Grade Crossing Program	25,000	25,000	25,000								75,000						(75,000)
Total Replacement/State of Good Repair	40,000	40,000	40,000	90,000	15,000	15,000	15,000	90,000	15,000	15,000	375,000						(375,000)
New/Enhanced Service																	
Jar - Master Servicing Plan Update (W WW S)					15,000						15,000			(15,000)			
Cay - Master Servicing Plan Update (W WW S)				30,000					30,000		60,000			(60,000)			
Cal - Master Servicing Plan Update (W WW S)					50,000						50,000			(50,000)			
Hag - Master Servicing Plan Update (W WW S)		30,000					30,000				60,000			(60,000)			
Dun - Master Servicing Plan Update (W WW S)			30,000					30,000			60,000			(60,000)			
Total New/Enhanced Service		30,000	30,000	30,000	65,000		30,000	30,000	30,000		245,000			(245,000)			
Total Technical Studies	40,000	70,000	70,000	120,000	80,000	15,000	45,000	120,000	45,000	15,000	620,000			(245,000)			(375,000)
Total Other Roadwork	1,912,500	1,153,000	902,500	762,500	1,139,500	657,500	687,500	777,500	687,500	657,500	9,337,500			(999,400)			(8,338,100)

Haldimand County

2019 to 2028 CAPITAL FORECAST

Division: Road Reconstruction

	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	Total Expenditures	Grants Subsidies	External Financing	Development Charges Rsvs Funds	Community Vibrancy Rsvs Fund	Reserves/ Reserve Funds	Debt/ Debture Financing
Road Reconstruction																	
Replacement/State of Good Repair																	
Dun - Alder St - Cedar to West [W] [WW] [SS]	900,000										900,000						(900,000)
Cal - Blair St - Caithness to Park Lane [CIW]			30,000								30,000						(30,000)
Cal - Cameron St - Caithness to Ross [CIW]			30,000								30,000						(30,000)
Cal - Fife St W - Peebles to Argyle [CIW] [WW]	80,000										80,000						(80,000)
Cal - Park Lane - Inverness to end [CIW]			30,000								30,000						(30,000)
Cal - Queen Ave - Caithness to end [CIW]			30,000								30,000						(30,000)
Cal - Renfrew St E - Wigton to Berwick [CIW] [WW]	100,000										100,000						(100,000)
Hag - Foundry St - Tuscarora to end [CIW]					25,000						25,000						(25,000)
Hag - Victoria St - Tuscarora to Main St N [CIW]					80,000						80,000						(80,000)
Cay - Chippewa St W - Ottawa to Cayuga [CIW]		60,000									60,000						(60,000)
Cay - Johnston St - Echo to end [CIW]				30,000							30,000						(30,000)
Cay - Kerr St E - Winniet to 100 m west of Winniet [CIW]				20,000							20,000						(20,000)
Cay - Norton St E - Winniet to 60 m west of Winniet [CIW]				20,000							20,000						(20,000)
Cay - Ouse St N - Talbot to Cayuga St N [CIW]				140,000							140,000						(140,000)
Cay - Ouse St S - Talbot to Tuscarora [CIW]		100,000									100,000						(100,000)
Cay - Seneca St S - Tuscarora to McKay [CIW]		40,000									40,000						(40,000)
Cay - Cayuga St S - Seneca to Brant [CIW]		30,000									30,000						(30,000)
Cay - Brant St - Ouse St S to Cayuga St S [CIW]		20,000									20,000						(20,000)
Dun - Alley way - Broad to Central Lane [CIW]					10,000						10,000						(10,000)
Dun - Main St E - 710 Main E to 50 m south [CIW]					10,000						10,000						(10,000)
Total Replacement/State of Good Repair	1,080,000	250,000	120,000	210,000	125,000						1,785,000						(1,785,000)
New/Enhanced Service																	
Caledonia Arterial Road	2,400,000		5,900,000								8,300,000			(8,300,000)			
Total New/Enhanced Service	2,400,000		5,900,000								8,300,000			(8,300,000)			
Total Road Reconstruction	3,480,000	250,000	6,020,000	210,000	125,000						10,085,000			(8,300,000)			(1,785,000)

Haldimand County

2019 to 2028 CAPITAL FORECAST

Division: Hot Mix Resurfacing

	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	Total Expenditures	Grants Subsidies	External Financing	Development Charges	Community Vibrancy	Reserves/ Reserve	Debt/Debture Financing
Hot Mix Resurfacing																	
Replacement/State of Good Repair																	
Hald Rd 3/55 Overlay	1,000,000										1,000,000						(1,000,000)
Stoney Creek Rd - Rd 54 to Hald Rd 66	1,100,000										1,100,000						(1,100,000)
Argyle Street - Braemar Ave to Forfar St	1,220,000										1,220,000						(1,220,000)
Rainham Rd- Cheapside Rd to Hald Rd 53		845,000									845,000	(625,300)					(219,700)
Rainham Road - Sandusk to Haldimand Rd 55		855,000									855,000	(837,900)					(17,100)
Rainham Rd-Sandusk Rd to Cheapside Rd		875,000									875,000	(615,550)					(259,450)
King Street East - Parkview Rd to Urban Limits			160,000								160,000						(160,000)
Hald Rd 20 - Kohler Rd to Hald/Dunn Townline			3,975,000								3,975,000	(2,723,310)					(1,251,690)
Hald Rd 20 - Hald Rd 53 to Nelles Cors				342,000							342,000						(342,000)
Hald Rd 20 - Nelles Cors to Hald Rd 12				775,000							775,000						(775,000)
Haldimand Road 20 – Haldimand Rd 12 to Kohler Road				1,650,000							1,650,000						(1,650,000)
Hald Rd 54- Ross St to Onondaga Townline Rd				1,150,000							1,150,000						(1,150,000)
Front Street - York North Limit to South Limit					220,000						220,000						(220,000)
Hald Rd 54 - York South Limit to Indiana					1,025,000						1,025,000						(1,025,000)
Haldimand Rd 54 - Indiana Rd to Indian St					1,090,000						1,090,000						(1,090,000)
Hald Rd 54 - York North Limit to McClung					1,250,000						1,250,000						(1,250,000)
Hawk St - Hald Rd 3 north to Nelson Steel entrance						250,000					250,000						(250,000)
Haldimand Road 3 - Hald Rd 55 to Hald Rd 70						2,200,000					2,200,000	(1,620,310)					(579,690)
Hald Rd 55 - Rainham Rd to Conc 4 Walpole						2,300,000					2,300,000						(2,300,000)
Parkview Rd - Main St to King St							400,000				400,000						(400,000)
King Street West - Tracks to Concession 13							440,000				440,000						(440,000)
Kohler Rd - Irish Line to Hwy #3							520,000				520,000						(520,000)
Caistorville Rd - Hald/Dunn Townline to Niagara							774,000				774,000						(774,000)
Mines Rd - Greens Rd E to Haldibrook Rd							900,000				900,000						(900,000)
Rainham Rd – Hald Rd 49 to Hald Rd 20							1,065,000				1,065,000						(1,065,000)
Rainham Rd - Hald Rd 49 to Hald/Dunn Twnl								800,000			800,000						(800,000)
Hald Rd 27 - Hald Rd 20 to Sandusk							1,055,000				1,055,000						(1,055,000)
Caistorville Rd-Hald Rd 14 to Hald/Dunn Twin							1,095,000				1,095,000						(1,095,000)
Port Maitland Rd - Rainham Rd to Lighthouse Dr								1,480,000			1,480,000						(1,480,000)
Haldimand Rd 70 - Hwy 3 to Hwy 6									500,000		500,000						(500,000)
Hald Rd 12 - Fisherville Town Limits to Hald Rd 20									885,000		885,000						(885,000)
Hald Rd 12 - Rainham Rd to Fisherville Town Limits									1,350,000		1,350,000						(1,350,000)
Haldimand Rd 55 - Rd 9 to Rd 20									1,200,000		1,200,000						(1,200,000)
Caledonia - Industrial Drive										200,000	200,000						(200,000)
Hutchinson Rd - N Shore to Canal Bank Rd										1,010,000	1,010,000						(1,010,000)
Haldimand Hwy 56 - Hwy 3 to Haldibrook Rd										2,700,000	2,700,000						(2,700,000)
Total Replacement/State of Good Repair	3,320,000	2,575,000	4,135,000	3,917,000	3,585,000	4,750,000	4,099,000	4,430,000	3,935,000	3,910,000	38,656,000	(6,422,370)					(32,233,630)
New/Enhanced Service																	
Cay-Thorburn St S-Talbot to Urban Limit					750,000						750,000		(750,000)				
Total New/Enhanced Service					750,000						750,000		(750,000)				
Total Hot Mix Resurfacing	3,320,000	2,575,000	4,135,000	3,917,000	4,335,000	4,750,000	4,099,000	4,430,000	3,935,000	3,910,000	39,406,000	(6,422,370)	(750,000)				(32,233,630)

Haldimand County

2019 to 2028 CAPITAL FORECAST

Division: Structure Projects

	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	Total Expenditures	Grants Subsidies	External Financing	Development Charges Rsvs Funds	Community Vibrancy Rsvs Fund	Reserves/ Reserve Funds	Debt/ Debture Financing
Structure Projects																	
Inspections and Engineering																	
Replacement/State of Good Repair																	
Annual Bridge Engineering	250,000	250,000	250,000	250,000	250,000	250,000	250,000	250,000	250,000	250,000	2,500,000						(2,500,000)
OSIM Inspections	50,000		70,000		55,000		75,000		55,000		305,000						(305,000)
Deck Condition Surveys	20,000			40,000				40,000			100,000						(100,000)
Retaining Wall Inspections	4,000	15,000	4,000	15,000	4,000	15,000	4,000	15,000	4,000	15,000	95,000						(95,000)
Total Replacement/State of Good Repair	324,000	265,000	324,000	305,000	309,000	265,000	329,000	305,000	309,000	265,000	3,000,000						(3,000,000)
Total Inspections and Engineering	324,000	265,000	324,000	305,000	309,000	265,000	329,000	305,000	309,000	265,000	3,000,000						(3,000,000)
Bridges																	
Replacement/State of Good Repair																	
Dennis Bridge Rehab (980305)	1,200,000										1,200,000						(1,200,000)
Hutchinson Road Bridge Rehab (116501)		321,000									321,000						(321,000)
Sunny Bank Park - Bridge Rehab (000019)			204,000								204,000						(204,000)
Balmoral Bridge Replace (985301)			510,000								510,000						(510,000)
Conc 6 Bridge, Walpole Replacement (010076)				382,000							382,000						(382,000)
Wilkins Bridge Conc 5 Walpole Rehab (010012)				545,000							545,000						(545,000)
Boston Creek Bridge (980905) Rehab					311,000						311,000						(311,000)
Lot 18/19 Conc 3 Walpole (010008) Rehab					408,000						408,000						(408,000)
Indiana Road Bridge Rehab (000033)						400,000					400,000						(400,000)
Cheapside Bridge Rehab (010004)						436,000					436,000						(436,000)
Reicheld Bridge Conc 5 Walpole Rehab (010020)						667,000					667,000						(667,000)
County Road 29 Bridge Rehab (982901)							300,000				300,000						(300,000)
Moote Road Bridge Rehab (D00003)							400,000				400,000						(400,000)
River Rd Bridge N - Cayuga Rehab (000017)							420,000				420,000						(420,000)
Hart Rd Bridge Rehab (D00002)								306,000			306,000						(306,000)
Townline Bridge Repairs (D00005)								308,000			308,000						(308,000)
Oswego Bridge Rehab (981501)								510,000			510,000						(510,000)
Peart Bridge - River Rd Rehab (000032)								570,000			570,000						(570,000)
Montague Bridge Rehab (010024)									410,000		410,000						(410,000)
Townline Road Bridge Rehab (D00004)										450,000	450,000						(450,000)
Townline Bridge N - Cay/Sen Replac (000023)										560,000	560,000						(560,000)
Hobb's Bridge Rehab (010005)										612,000	612,000						(612,000)
County Hwy 54 Bridge removal (985401)										800,000	800,000						(800,000)
Total Replacement/State of Good Repair	1,200,000	321,000	714,000	927,000	719,000	1,503,000	1,120,000	1,694,000	1,420,000	1,412,000	11,030,000						(11,030,000)
New/Enhanced Service																	
Cal-Argyle St Bridge Replacement (MTO)				1,368,500							1,368,500			(1,368,500)			
Total New/Enhanced Service				1,368,500							1,368,500			(1,368,500)			
Total Bridges	1,200,000	321,000	714,000	2,295,500	719,000	1,503,000	1,120,000	1,694,000	1,420,000	1,412,000	12,398,500			(1,368,500)			(11,030,000)
Culverts																	
Replacement/State of Good Repair																	
Pyle Driveway Culvert Replacement (986501)	252,000										252,000						(252,000)
Third Line Culvert Rehab (000072)		247,000									247,000						(247,000)
Sandusk Crk Culvert Replac Walpole (030034)		420,000									420,000						(420,000)
Hart Rd Drain Replacement (D00005C)		330,000									330,000						(330,000)
Indian Line Culvert Rehab (982002)		278,000									278,000						(278,000)
Hald Rd 74 Culvert - Norfolk (977401)			51,000								51,000						(51,000)
Hald Rd 74 Culvert - Norfolk (987405)			51,000								51,000						(51,000)
Hald Rd 74 Culvert - Norfolk (987407)			51,000								51,000						(51,000)
Townsend Parkway Culvert Replace (987404)			255,000								255,000						(255,000)
Conc 2 Culvert Seneca Rehab (000069)				306,000							306,000						(306,000)

Haldimand County

2019 to 2028 CAPITAL FORECAST

Division: Structure Projects

	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	Total Expenditures	Grants Subsidies	External Financing	Development Charges Rsvs Funds	Community Vibrancy Rsvs Fund	Reserves/ Reserve Funds	Debt/ Debt Financing
Lowbanks Culvert (970311) Rehab					357,000						357,000					(357,000)	
Nanticoke Rd Culvert Replace (975503)					500,000						500,000					(500,000)	
Haldimand Rd 56 Culvert Rehab (975604)							255,000				255,000					(255,000)	
Haldimand Rd 56 Culvert Rehab (975605)							255,000				255,000					(255,000)	
Nanticoke Rd Culvert Replace (975501)									550,000		550,000					(550,000)	
Caithness Street Culvert Rehab (000006-C)										204,000	204,000					(204,000)	
Mud Street Culvert Replacement (980907)										370,000	370,000					(370,000)	
Total Replacement/State of Good Repair	252,000	1,275,000	408,000	306,000	857,000		510,000		550,000	574,000	4,732,000					(4,480,000)	
Total Culverts	252,000	1,275,000	408,000	306,000	857,000		510,000		550,000	574,000	4,732,000					(4,480,000)	
Retaining Walls																	
Replacement/State of Good Repair																	
Hald Rd 9 at Merritt St - Retaining Wall Repl (18)		150,000									150,000					(150,000)	
Hald Rd 9 at Shannon St - Retaining Wall Repl (19)		150,000									150,000					(150,000)	
240-246 Caithness St W - Retaining Wall Repl (10)			150,000								150,000					(150,000)	
62-48 Caithness St W - Retaining Wall Repl (13)				400,000							400,000					(400,000)	
286 Caithness St E - Retaining Wall Repl (17)					150,000						150,000					(150,000)	
Total Replacement/State of Good Repair		300,000	150,000	400,000	150,000						1,000,000					(1,000,000)	
Total Retaining Walls		300,000	150,000	400,000	150,000						1,000,000					(1,000,000)	
Total Structure Projects	1,776,000	2,161,000	1,596,000	3,306,500	2,035,000	1,768,000	1,959,000	1,999,000	2,279,000	2,251,000	21,130,500			(1,368,500)		(19,510,000)	

Haldimand County

2019 to 2028 CAPITAL FORECAST

	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028		Grants Subsidies	External Financing	Developme Charges Rsve Funds	Community Vibrancy Rsve Fund	Reserves/ Reserve Funds	Debenture Financing		
											Total Expenditures								
Urban Paving Program																			
Hagersville Urban Paving																			
Replacement/State of Good Repair																			
Hag- Foundary Street											32,600								
Hag- Victoria Street											100,000								
Hag- Porter Ave											19,000								
Total Replacement/State of Good Repair											151,600								
Total Hagersville Urban Paving											151,600								
Caledonia Urban Paving																			
Replacement/State of Good Repair																			
Cal- Haddington – Argyle to Wigton	680,000											680,000							
Cal- Leith Crt - Morrison to end											26,000								
Cal- Munro Ct-Ross to end											34,000								
Cal- Dumfries - Orkney W to Morrison											53,000								
Cal- Ross St-Orkney W to Morrison											111,000								
Cal- Morrison Rd-Ross St to east end											360,900								
Cal- Orkney East - Argyle to Banff											430,000								
Cal- Tartan Dr - Highland to Buchanan											102,000								
Cal- Kilty Ct - Douglas Dr to end											106,000								
Cal- Kintrye Crt - McKenzie to N. End											110,000								
Cal- Piper Pl - Douglas Dr to W end											140,000								
Cal- Douglas Dr-McKenzie to Highland											166,000								
Cal- Buchanan - N end to Highland											342,000								
Cal- Highland Blvd - Tartan to E limit											575,000								
Cal- Glenmoore Pl. - full court											70,000								
Cal- Frase Crt - Scott St to end											95,000								
Cal- Scott St Fraser To Kinross											97,000								
Cal- Kinross - Argyle to Braemar											437,000								
Cal- McCrea Dr - Kinross to Kinross											476,000								
Cal- McAlpine Place											26,200								
Cal- Robert Gordon Drive											44,400								
Cal- Burnside - Braemar to Thistlemoor											105,000								
Cal- Sutherland Street East – Banff to Haller Cresc											190,000								
Cal- Sutherland St W - Ross to Tracks											306,770								
Cal- Morgan Court											22,400								
Cal- McKinnon - Caithness to Williamson											47,800								
Cal- Iona Ct - McMaster to end											62,660								
Cal- McKeown Ct - McMaster to end											96,000								
Cal- McMaster - McKenzie to Buchanan											267,720								
Cal- Haller Cres & Haller Pl											276,300								
Cal- Morgan Dr - Celtic to McKenzie											341,700								
Cal- MacDonald Place											34,860								
Cal- MacGregor Pl - Fraser to end											39,600								
Cal- Shaw - Dundee to Stirling											46,560								
Cal- MacMillian - Williamson to Williamson											101,850								
Cal- Orkney St W - Ross to Williamson											163,600								

Note: (CIW) Cast Iron Watermain; (W) Water; (WW) Wastewater; (SS) Storm Sewer; (R) Roads

Haldimand County

2019 to 2028 CAPITAL FORECAST

Division: Urban Paving Program

	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	Total Expenditures	Grants Subsidies	External Financing	Developme Charges Rsve Funds	Community Vibrancy Rsve Fund	Reserves/ Reserve Funds	Debenture Financing	
Cal- Fraser - Kinross to Scott							175,800				175,800						(175,800)	
Cal- Dundee - Kinross to Kinross							203,700				203,700						(203,700)	
Cal- Clansman Cres - Caledonia Dr to Caledonia Dr							219,800				219,800						(219,800)	
Cal- Mckenzie – Wigton to Fuller							551,520				551,520						(551,520)	
Cal- Williamson Dr - all							785,700				785,700						(785,700)	
Cal- Lamb Crt - Caithness to end								37,700			37,700						(37,700)	
Cal- MacColl Pl - Glenmore Dr to North end								48,200			48,200						(48,200)	
Cal- Duncan Crt - Highland to end								55,430			55,430						(55,430)	
Cal- Balmoral Crt - Ayr to end								63,700			63,700						(63,700)	
Cal- Glenmor Dr - MacCrae Dr to Kinross								197,880			197,880						(197,880)	
Cal- Hyslop - Scott Acres to Jamison								226,980			226,980						(226,980)	
Cal- Sutherland St W - Ross to Williamson									157,800		157,800						(157,800)	
Cal- Ross St - Caithness to Orkney									241,000		241,000						(241,000)	
Cal- Jamieson - Scott Acres to ScottsWood									346,290		346,290						(346,290)	
Cal- Greendale Dr - Greens Rd to Industrial Dr										26,500	26,500						(26,500)	
Cal- Pauline Ave - Peebles to Selkirk										33,900	33,900						(33,900)	
Cal- Fife St - Argyle to Wigton										66,000	66,000						(66,000)	
Cal- Industrial Dr - Greens Rd E & W										77,500	77,500						(77,500)	
Cal- Braemar - Kinross to Glengary Cres										153,000	153,000						(153,000)	
Cal- Highland Blvd - Haddington to Tartan										216,500	216,500						(216,500)	
Cal- Celtic - Argyle to Caledonia Ave										340,800	340,800						(340,800)	
Cal- Caledonia Dr - Mckenzie to South End										363,750	363,750						(363,750)	
Total Replacement/State of Good Repair	680,000	1,014,900	1,541,000	1,175,000	672,370	1,114,580	2,322,990	629,890	745,090	1,277,950	11,173,770						(11,173,770)	
Total Caledonia Urban Paving	680,000	1,014,900	1,541,000	1,175,000	672,370	1,114,580	2,322,990	629,890	745,090	1,277,950	11,173,770						(11,173,770)	
Jarvis Urban Paving																		
Replacement/State of Good Repair																		
Jar- Walpole Dr - Main to Talbot								95,500			95,500						(95,500)	
Jar- Julius - Lafayette to South end								14,100			14,100						(14,100)	
Total Replacement/State of Good Repair								109,600			109,600						(109,600)	
Total Jarvis Urban Paving								109,600			109,600						(109,600)	
Cayuga Urban Paving																		
Replacement/State of Good Repair																		
Cay- Charles Cullen Parkway							127,500				127,500						(127,500)	
Cay- Abbott Lane - Joseph to S end							66,300				66,300						(66,300)	
Cay- Commodore - Country Club to Country Club							117,300				117,300						(117,300)	
Cay- Country Club - Commodore to Commodore							120,400				120,400						(120,400)	
Cay- Ottawa St S - WWTP to Joseph							51,000				51,000						(51,000)	
Cay- Railton Rd - Country Club Rd to East end							20,400				20,400						(20,400)	
Cay- Munsee St S - Talbot to Joseph							468,000				468,000						(468,000)	
Cay- Monture St										90,000	90,000						(90,000)	
Cay- Latham St										11,000	11,000						(11,000)	
Cay- Winnett St - Echo to Hill										40,000	40,000						(40,000)	
Cay- Fishcarrier St - Echo to 250mN										25,000	25,000						(25,000)	
Total Replacement/State of Good Repair							970,900			166,000	1,136,900						(1,136,900)	
Total Cayuga Urban Paving							970,900			166,000	1,136,900						(1,136,900)	
Dunnville Urban Paving																		

Note: (CIW) Cast Iron Watermain; (W) Water; (WW) Wastewater; (SS) Storm Sewer; (R) Roads

Haldimand County

2019 to 2028 CAPITAL FORECAST

Division: Urban Paving Program

	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	Total Expenditures	Grants Subsidies	External Financing	Developme Charges Rsvs Funds	Community Vibrancy Rsvs Fund	Reserves/ Reserve Funds	Debenture Financing
Replacement/State of Good Repair																	
DUNN - Bridge St & Old Marina Paving	300,000										300,000						(300,000)
Dun- Tamarac - Front St to Queen St				65,000							65,000						(65,000)
Dun- Griffith - Alder to S Cayuga				90,000							90,000						(90,000)
Dun- Pine Street – Lock to Alder				200,000							200,000						(200,000)
Dun- Jarrett Place – Diltz Rd to west extent				221,000							221,000						(221,000)
Dun- Lock Street – George Street to Pine Street				500,000							500,000						(500,000)
Dun- Gillian/Elmwood - Inman East end										22,500	22,500						(22,500)
Dun- Pine Meadow Court										94,000	94,000						(94,000)
Dun- Brookfield Court - Cowan to south -court										102,000	102,000						(102,000)
Dun- Forest St W - Cedar to John										262,000	262,000						(262,000)
Total Replacement/State of Good Repair	300,000			1,076,000						480,500	1,856,500						(1,856,500)
Total Dunnville Urban Paving	300,000			1,076,000						480,500	1,856,500						(1,856,500)
York Urban Paving																	
Replacement/State of Good Repair																	
York- Mill St - John to Front								80,600			80,600						(80,600)
York- John St - Mill to Queen								58,700			58,700						(58,700)
York- Queen St - Front to John								92,300			92,300						(92,300)
York- Martin & Water								136,400			136,400						(136,400)
York- King Ave - Front to John								92,800			92,800						(92,800)
York- Albion - Hald Rd 9 to King Ave								53,600			53,600						(53,600)
York- Shannon - Hald Rd 9 to end								61,400			61,400						(61,400)
Total Replacement/State of Good Repair								575,800			575,800						(575,800)
Total York Urban Paving								575,800			575,800						(575,800)
Canborough Urban Paving																	
Replacement/State of Good Repair																	
Canb- Water Street										54,500	54,500						(54,500)
Total Replacement/State of Good Repair										54,500	54,500						(54,500)
Total Canborough Urban Paving										54,500	54,500						(54,500)
Springvale Urban Paving																	
Replacement/State of Good Repair																	
Spring- Pine Cresc										41,800	41,800						(41,800)
Spring- Maplewood Ave										21,400	21,400						(21,400)
Spring- Oak Blvd										19,400	19,400						(19,400)
Spring- Walnut St										17,300	17,300						(17,300)
Spring- Birch Blvd										9,200	9,200						(9,200)
Spring- Spruce Ave										43,900	43,900						(43,900)
Total Replacement/State of Good Repair										153,000	153,000						(153,000)
Total Springvale Urban Paving										153,000	153,000						(153,000)
Canfield Urban Paving																	
Replacement/State of Good Repair																	
Canf- Raglan Street										43,100	43,100						(43,100)
Canf- Retallack Street										43,100	43,100						(43,100)
Canf- Adair Street										43,100	43,100						(43,100)
Total Replacement/State of Good Repair										129,300	129,300						(129,300)
Total Canfield Urban Paving										129,300	129,300						(129,300)

Haldimand County

2019 to 2028 CAPITAL FORECAST

	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028							
											Total Expenditures	Grants Subsidies	External Financing	Developme Charges Rsve Funds	Community Vibrancy Rsve Fund	Reserves/ Reserve Funds	Debenture Financing
Lowbanks Urban Paving																	
Replacement/State of Good Repair																	
Low- Meier St											17,000						(17,000)
Low- Saturn St											19,000						(19,000)
Low- Beach Rd											28,000						(28,000)
Low- Canada Rd											92,000						(92,000)
Total Replacement/State of Good Repair											156,000						(156,000)
Total Lowbanks Urban Paving											156,000						(156,000)
Peacock Point Urban Paving																	
Replacement/State of Good Repair																	
Pea- Carolyn Dr									13,000			13,000					(13,000)
Pea- Lakeside Dr / Willcox Dr											117,000						(117,000)
Pea- Howard Ave											14,000						(14,000)
Pea- Semmens St											14,000						(14,000)
Pea- Park St											14,000						(14,000)
Pea- Reidy St											14,000						(14,000)
Pea- Fagan St											14,000						(14,000)
Pea- Witherspoon Dr											43,000						(43,000)
Pea- Sunset Dr											8,000						(8,000)
Total Replacement/State of Good Repair									13,000	238,000		251,000					(251,000)
Total Peacock Point Urban Paving									13,000	238,000		251,000					(251,000)
Total Urban Paving Program	980,000	1,014,900	1,541,000	2,251,000	672,370	1,114,580	3,293,890	1,479,890	1,081,890	2,318,450	15,747,970					(15,747,970)	

Haldimand County

2019 to 2028 CAPITAL FORECAST

Division: Miscellaneous Paving

	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	Total Expenditures	Grants Subsidies	External Financing	Development Charges Rsvs Funds	Community Vibrancy Rsvs Fund	Reserves/ Reserve Funds	Debenture Financing
Miscellaneous Paving																	
Replacement/State of Good Repair																	
Stonehaven - Johnson Rd to East end										40,000	40,000						(40,000)
South Cayuga Road - Rainham Road to 443m north										53,000	53,000						(53,000)
Old Talbot Road Hald Rd 20 both ways										60,000	60,000						(60,000)
Total Replacement/State of Good Repair										153,000	153,000						(153,000)
Total Miscellaneous Paving										153,000	153,000						(153,000)

Division: Surface Treatment Program

	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	Total Expenditures	Grants Subsidies	External Financing	Development Charges Rsvs Funds	Community Vibrancy Rsvs Fund	Reserves/ Reserve Funds	Debenture Financing
Surface Treatment Program																	
Surface Treatment Program																	
Replacement/State of Good Repair																	
Blue Water Pkwy - Wheeler Rd to old bridge	325,000										325,000						(325,000)
Cheapside Rd - Rainham Road to South Coast Drive	400,000										400,000						(400,000)
Johnston Rd - Rd 11 to Sandy Bay Rd	750,000										750,000						(750,000)
Cheapside Road - Highway 3 to Haldimand Road 20	1,200,000										1,200,000	(1,000,000)		(200,000)			
Canal Rd - Mumby Rd to Hald Rd 3		50,000									50,000						(50,000)
Burke Rd - Rd 17 to Hwy 3		100,000									100,000						(100,000)
Conc 17 Walpole - Hald Rd 20 to Hald Rd 74		100,000									100,000						(100,000)
Jarden Rd - Hwy 3 to Hald Rd 17		130,000									130,000						(130,000)
Conc 4 Walpole - Cheapside to Sandusk Rd		250,000									250,000	(245,000)					(5,000)
Hald Road 74 - Forest Park to Conc 12 Walpole		400,000									400,000	(245,000)	(150,000)				(5,000)
Conc 15 Walpole - Hald Rd 20 to Hald Rd 70		600,000									600,000	(600,000)					
4th Line Oneida - Hald Rd 9 to Broad Rd			120,000								120,000						(120,000)
South Coast - Peacock Point to Sandusk Rd			200,000								200,000						(200,000)
River Road - Hwy 3 to Sutor Rd [Tr]			1,000,000								1,000,000	(1,000,000)					
Shoreline Trail - Lakeshore to 600 m west				50,000							50,000						(50,000)
Pyle Rd - Hald Rd 3 to Villella Rd				60,000							60,000						(60,000)
Dover St - Port Maitland Rd to Kings Row				80,000							80,000						(80,000)
Conc 6 Walpole - Hald Rd 70 to Hwy 6				90,000							90,000						(90,000)
5th Line Oneida - Hald Rd 9 to McKenzie Rd				100,000							100,000						(100,000)
Hald Dunn Twl - Rainham Rd to Hald Rd 20				150,000							150,000						(150,000)
Conc 3 Walpole - Hald Rd 53 to Cheapside				150,000							150,000						(150,000)
Conc 13 Walpole - Hald Rd 74 to Hald Rd 55				150,000							150,000						(150,000)
Downey Road - Rymer Rd to end				200,000							200,000						(200,000)
Moote Rd - Stringer Rd to Hald Rd 63				300,000							300,000						(300,000)
Conc 7 Rd - Hald Rd 53 to Hald Rd 12				300,000							300,000						(300,000)
Hald Rd 74 - Conc 12 Walpole to Road 20				1,000,000							1,000,000	(500,000)	(500,000)				
Canal Bank Rd - N. Feeder Canal Rd to Hald Rd 3					30,000						30,000						(30,000)
Rattlesnake Rd - Booker Rd to .7 Km N. Of Aiken Rd					80,000						80,000						(80,000)
King Road - Niece Rd to Rymer Rd					80,000						80,000						(80,000)
Nelles Rd - York Rd to River					100,000						100,000						(100,000)
Sawmill Road - Glanaster Rd to end					100,000						100,000						(100,000)
Marshall Rd - Kings Row to Hald Trail					160,000						160,000						(160,000)
South Coast Drive - Sandusk Rd to Texaco Underpass					160,000						160,000						(160,000)
Mumby Road - Hald Rd 3 to Bird Rd					200,000						200,000						(200,000)
3rd Line Oneida - Hwy 6 to McKenzie Rd					200,000						200,000						(200,000)
Rymer Rd - Hald Rd 3 to Mitn-Shrbkr Townline Rd					300,000						300,000						(300,000)
Dry Lake Road - Hwy 3 to Hald Rd 9					320,000						320,000						(320,000)
Lakeshore Rd - Hald Rd 50 to Hald-Dunn Twl Rd					320,000						320,000						(320,000)
Ricker Rd - Darling Rd to end						50,000					50,000						(50,000)
Niece Rd - Downey Rd to Siddall Rd						100,000					100,000						(100,000)
Niece Rd - Hald Rd 3 to Downey Rd						100,000					100,000						(100,000)
Conc 2 Seneca Rd - Hald Rd 9 to old Conc 2						150,000					150,000						(150,000)
McClung Rd - Rd 66 to Haldibrook						160,000					160,000						(160,000)
Comfort Rd - Diltz Rd 9 to Marshagan Rd						180,000					180,000						(180,000)
River Rd - South Cayuga Rd to HD Twl						200,000					200,000						(200,000)
Conc 10 Wal - Hald Rd 74 to Rd 55						320,000					320,000						(320,000)
New Lakeshore Rd - Old Lakeshore Rd to Stelco underpass						350,000					350,000						(350,000)
Conc 16 Walpole - Hald Rd 20 to Lot 3/4							80,000				80,000						(80,000)

Division: Surface Treatment Program

	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	Total Expenditures	Grants Subsidies	External Financing	Development Charges Rsvs Funds	Community Vibrancy Rsvs Fund	Reserves/ Reserve Funds	Debt/Debture Financing
Hines Road - Hutchinson Rd to Young Rd							90,000				90,000					(90,000)	
Conc 14 Walpole - Hald Rd 55 to Hald Rd 70							150,000				150,000					(150,000)	
River Rd - Yaremy to South Cayuga Rd							200,000				200,000					(200,000)	
Sutor Rd - River Rd to Hald Rd 20							200,000				200,000					(200,000)	
6th Line Oneida - Oneida Rd to Hwy 6							200,000				200,000					(200,000)	
Conc 3 Walpole - Hald Rd 55 to Hald Rd 70							200,000				200,000					(200,000)	
Conc 3 Rd - Sweets Corners Rd to Hald Rd 8							280,000				280,000	(280,000)					
South Coast Drive - Hald Rd 62 to Cheapside Rd								100,000			100,000					(100,000)	
Townline Road - Conc 7 Walpole to Nanticoke Creek								120,000			120,000					(120,000)	
Conc 4 Lane - Stoney Creek Rd to Rd 56								200,000			200,000					(200,000)	
Conc 13 Walpole - Hald Rd 74 to Hald Rd 55								250,000			250,000					(250,000)	
Conc 6 Woodhouse - Hald Rd 70 to E. Quarter Line								250,000			250,000					(250,000)	
4th Line Oneida - Hwy 6 to Hald Rd 9								500,000			500,000					(500,000)	
4th Line Oneida - Broad Rd to Mt Healy Rd									80,000		80,000					(80,000)	
Sandusk Rd - Railway to Hald Rd 20									150,000		150,000					(150,000)	
5th Line Oneida - Hwy 6 to McKenzie Rd									150,000		150,000					(150,000)	
Broad Rd - 4th Line to River Rd									150,000		150,000					(150,000)	
Hald Rd 50 - Lakeshore Rd to Hald Rd 3									150,000		150,000					(150,000)	
Riverside Dr - Rainham Rd to Stelco Bridge									160,000		160,000					(160,000)	
Conc 2 Walpole - 1.4 km west of Cheapside to Sandusk Rd									180,000		180,000					(180,000)	
Hald Rd 9 - Turnbull to Hwy 56									200,000		200,000					(200,000)	
Younge Rd - Diltz Rd to Marshagan Rd									200,000		200,000					(200,000)	
Oneida Road - 6th Line to 7th Line										100,000	100,000					(100,000)	
2nd Line Oneida - Hald Rd 9 to McKenzie Rd										200,000	200,000					(200,000)	
Bird Road - Moulton-Aiken Rd to Hwy 3										300,000	300,000					(300,000)	
2nd Line - McKenzie Rd to Six Nations Boundary										400,000	400,000					(400,000)	
Hutchinson Rd - Hwy 3 to Diltz Rd										400,000	400,000					(400,000)	
Total Replacement/State of Good Repair	2,675,000	1,630,000	1,320,000	2,630,000	2,050,000	1,610,000	1,400,000	1,420,000	1,420,000	1,400,000	17,555,000	(3,870,000)	(650,000)		(200,000)	(12,835,000)	
Total Surface Treatment Program	2,675,000	1,630,000	1,320,000	2,630,000	2,050,000	1,610,000	1,400,000	1,420,000	1,420,000	1,400,000	17,555,000	(3,870,000)	(650,000)		(200,000)	(12,835,000)	

Haldimand County

2019 to 2028 CAPITAL FORECAST

Division: Gravel Road Conversion Program

	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	Total Expenditures	Grants Subsidies	External Financing	Development Charges Rsvs Funds	Community Vibrancy Rsvs Fund	Reserves/ Reserve Funds	Debt/ure Financing
Gravel Road Conversion Program																	
Gravel Road Conversion																	
New/Enhanced Service																	
Conc 9 Walpole, Hald Rd 18 to Cheapside Rd		81,200									81,200	(73,080)		(8,120)			
Conc 10 Walpole - Sandusk to Cheapside		80,300									80,300	(72,270)		(8,030)			
Conc 9 Walpole, Cheapside Rd to Hald Rd 53		80,300									80,300	(72,270)		(8,030)			
Gibson Rd, Link Rd to end		4,000									4,000	(3,600)		(400)			
Wilson Rd, Hald Rd 20 South to end		9,900									9,900	(8,910)		(990)			
Wilson Rd, Hald Rd 20 North to end		5,500									5,500	(4,950)		(550)			
Singer Rd, Indiana Rd to end		5,500									5,500	(4,950)		(550)			
Dunnville Townline Rd, Caistorville Rd to Hwy 3	385,000		63,600								448,600	(403,740)		(44,860)			
Conc 8 Rainham - Rd 53 to Rd 20		65,600									65,600			(6,560)		(59,040)	
Wilson Rd - Bains Rd north to end		6,200									6,200	(5,580)		(620)			
Swayze Rd - Hart Rd to Moote Rd		18,000									18,000			(1,800)		(16,200)	
Conc 9 Wal - Hwy 6 to Hald Rd 18		70,400									70,400			(7,040)		(63,360)	
Townline Rd E - Hwy 56 to Junction Rd	370,000		58,300								428,300			(37,100)		(391,200)	
Conc 1 Seneca - Hwy 56 to Singer Rd	335,000		52,800								387,800			(33,600)		(354,200)	
Conc 1 Rd S - Junction Rd to Hald/Dunn Townline Rd	265,000		41,400								306,400	(275,760)		(30,640)			
Wilson Rd - Meadows Rd to south end	45,000		7,000								52,000	(46,800)		(5,200)			
Dunn Hald Townline - Conc Rd 1 to Rd 17	490,000		97,700								587,700	(528,930)		(58,770)			
Kentucky Hill Rd - stub west of Robinson	85,000		15,400								100,400	(90,360)		(10,040)			
Link Rd - Gibson to Richert Road	290,000		57,200								347,200	(312,480)		(34,720)			
South Cayuga Road - Rd 20 to Rd 3	330,000		59,800								389,800	(350,820)		(38,980)			
Bains Road - Rd 20 to Rd 50		650,000		131,300							781,300	(703,170)		(78,130)			
Turnbull Road - Rd 9 to Conc. 1 Seneca	575,000		91,300								666,300	(599,670)		(66,630)			
Onondaga Road - Greens Rd to Sawmill Rd		270,000		44,700							314,700	(283,230)		(31,470)			
Ortt Road - HD Twl to Hwy 3		450,000		73,900							523,900	(471,510)		(52,390)			
Woods Road - stub west of Hwy 3		55,000		9,500							64,500	(58,050)		(6,450)			
Sweets Corners Rd - Bains Rd to Road 3		275,000		45,800							320,800			(32,080)		(288,720)	
Conc 6 Rainham - Road 12 to Road 20		390,000		59,800							449,800			(44,980)		(404,820)	
Conc 2 Rd south - Windecker to Rd 32		335,000		53,700							388,700			(38,870)		(349,830)	
Windecker Road - Hwy 3 to Conc Rd 1			310,000		44,700						354,700			(35,470)		(319,230)	
Indiana Road E - Hwy 56 to Turnbull Rd			380,000		55,000						435,000	(391,500)		(43,500)			
Indiana Road W - 3rd Line to River Rd			400,000		66,900						466,900	(420,210)		(46,690)			
Moul-Sher Twl - NS Drive to Bird Road		150,000	385,000		67,320						602,320	(542,090)		(60,230)			
Mt Olivet Road - Richert to Bains Rd			46,000	330,000		50,600					426,600	(331,200)		(36,800)		(58,600)	
McGowan Road - 5th Line to end			25,000	155,000		27,500					207,500	(186,750)		(20,750)			
Reeds Road - Hwy 3 to Townline Road			39,800	310,000		43,800					393,600	(354,240)		(39,360)			
Hart Road - Road 63 to Robinson Rd			80,400	241,200	233,200	88,400					643,200	(578,880)		(64,320)			
Melick Road - Moote Rd to Lane Rd			99,000	297,000	287,100	108,900					792,000	(712,800)		(79,200)			

Note: (W) Water; (WW) Wastewater; (SS) Storm Sewer; (R) Roads

Haldimand County

2019 to 2028 CAPITAL FORECAST

Division: Gravel Road Conversion Program

	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	Total Expenditures	Grants Subsidies	External Financing	Development Charges Rsvs Funds	Community Vibrancy Rsvs Fund	Reserves/Reserve Funds	Debtenture Financing
Windecker Road - Conc Rd 1 to Road 17			60,600	181,800	175,700	66,700					484,800	(376,290)		(41,810)		(66,700)	
Dickhout Road - Moul Sher Twl to Rymer			24,000	72,000	69,600	26,400					192,000			(16,560)		(175,440)	
Conc 9 Rainham - Old Talbot Road to end		5,000									5,000	(4,500)		(500)			
Conc 14 Townsend - Twl Rd to Norfolk			52,200	156,600	151,400	57,400					417,600			(36,020)		(381,580)	
Gore A Rd - Hutchinson to Wainfleet Twl			48,800	146,400	141,500	53,700					390,400			(33,670)		(356,730)	
Richert Rd - River Rd to Road 20			56,600	169,800	164,100	62,300					452,800			(39,050)		(413,750)	
Wilson Rd - River Rd to Meadows Rd			18,800	56,400	54,500	20,700					150,400			(12,970)		(137,430)	
Feeder Lane - Aiken Rd to Canal Bank Rd			22,000	66,000	63,800	24,200					176,000			(15,180)		(160,820)	
Townline Rd E - Junction to HD Twl			60,400	181,200	175,200	66,400					483,200	(217,440)		(24,160)		(241,600)	
Indiana Rd E - Turnbull to HD Twl			67,400	202,200	195,500	74,100					539,200	(242,640)		(26,960)		(269,600)	
Little Rd - Road 20 to Irish Line			32,400	97,200	94,000	35,600					259,200	(116,640)		(12,960)		(129,600)	
Bains Rd - Rd 50 to HD Twl						87,600	262,800	254,000	96,400		700,800	(315,360)		(35,040)		(350,400)	
S Cayuga Rd - River Rd to Road 20						24,800	74,400	71,900	27,300		198,400	(89,280)		(9,920)		(99,200)	
Sutor Rd - Bains Rd to Road 3						25,800	77,400	74,800	28,400		206,400	(185,760)		(20,640)			
Yaremy Rd - River Rd to Road 20		60,000									60,000			(6,000)		(54,000)	
Calvert Rd - Gore A to Marshagan Rd						20,400	61,200	59,200	22,400		163,200			(16,320)		(146,880)	
Meadows Rd - Mt Olivet to Sutor Rd						61,800	185,400	179,200	68,000		494,400	(444,960)		(49,440)			
Meadows Rd - Sutor to Yaremy Rd						48,800	146,400	141,500	53,700		390,400			(39,040)		(351,360)	
Singer Rd - Conc 2 Rd to Indiana Rd						55,600	166,800	161,200	61,200		444,800	(400,320)		(44,480)			
Junction Rd - Hwy 3 to Townline Rd E						41,200	123,600	119,500	45,300		329,600	(296,640)		(32,960)			
Turnbull Rd - Townline Rd to Conc 1 Seneca						42,000	126,000	121,800	46,200		336,000	(302,400)		(33,600)			
Lynvalley Rd - Hwy 6 to Road 70						33,800	101,400	98,000	37,200		270,400	(243,360)		(27,040)			
Conc 12 Townsend - Rd 74 to Norfolk						48,000	144,000	139,200	52,800		384,000	(345,600)		(38,400)			
Conc 3 Rainham - Sweets Rd to Bains Rd						7,400	22,200	21,500	8,100		59,200	(53,280)		(5,920)			
Bird Rd - Canal Bank to Dickhout						26,000	78,000	75,400	28,600		208,000			(20,800)		(187,200)	
Farr Rd - NS Drive to Mou Sher Twl						19,400	58,200	56,300	21,300		155,200			(15,520)		(139,680)	
Duxbury Rd - Road 9 to Townline Rd						40,400	121,200	117,200	44,400		323,200			(32,320)		(290,880)	
Booker Rd - Road 65 to Wainfleet Line						49,400		148,200	143,200	54,300	395,100	(355,590)		(39,510)			
Feeder Canal Ln - Rd 3 to Rd 64						37,400		112,200	108,500	41,100	299,200	(269,280)		(29,920)			
Cranston Rd - Hwy 6 to Conc 9 Wal				20,000		14,800		44,400	42,900	16,300	138,400			(13,840)		(124,560)	
Grant Rd - Indiana Rd to Townline Rd						41,000		123,000	118,900	45,100	328,000			(32,800)		(295,200)	
Yule Rd - Conc 9 Wal to Conc 8 Wal								28,000	84,000	81,200	193,200			(19,320)		(173,880)	
Moote Rd - Road 63 to County Line								20,000	60,000	58,000	138,000			(13,800)		(124,200)	
Total New/Enhanced Service	3,170,000	3,066,900	2,752,900	3,101,500	2,039,520	1,532,300	1,749,000	2,166,500	1,198,800	296,000	21,073,420	(12,147,140)		(1,950,390)		(6,975,890)	
Total Gravel Road Conversion	3,170,000	3,066,900	2,752,900	3,101,500	2,039,520	1,532,300	1,749,000	2,166,500	1,198,800	296,000	21,073,420	(12,147,140)		(1,950,390)		(6,975,890)	
Total Gravel Road Conversion Program	3,170,000	3,066,900	2,752,900	3,101,500	2,039,520	1,532,300	1,749,000	2,166,500	1,198,800	296,000	21,073,420	(12,147,140)		(1,950,390)		(6,975,890)	

Note: (W) Water; (WW) Wastewater; (SS) Storm Sewer; (R) Roads

Haldimand County

2019 to 2028 CAPITAL FORECAST

Division: Municipal Drains

	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	Total Expenditures	Grants Subsidies	External Financing	Development Charges Rsvs Funds	Community Vibrancy Rsvs Fund	Reserves/ Reserve Funds	Debtenture Financing
Municipal Drains																	
Municipal Drains Maintenance																	
Replacement/State of Good Repair																	
McNichol Maintenance	20,400										20,400		(14,420)			(5,980)	
Babiy Maintenance	23,500										23,500		(22,650)			(850)	
Barry Maintenance	25,500										25,500		(21,450)			(4,050)	
Sugar Creek Main Maintenance	40,700										40,700	(6,100)	(18,300)			(16,300)	
Sugar Creek Maintenance	35,000										35,000		(32,800)			(2,200)	
Siddal Maintenance	21,400										21,400		(20,180)			(1,220)	
Holtrop Maintenance	15,300										15,300		(15,280)			(20)	
Allen Maintenance	7,200										7,200		(7,200)				
Moulton Station Maintenance	17,300										17,300		(15,200)			(2,100)	
Fred Buckner Maintenance		25,500									25,500		(19,430)			(6,070)	
Buckner Maintenance		22,400									22,400		(20,240)			(2,160)	
Broad Creek Maintenance		33,600									33,600	(9,900)	(21,600)			(2,100)	
Lindsay Maintenance		23,500									23,500		(19,510)			(3,990)	
Niece Maintenance			16,300								16,300		(4,890)			(11,410)	
Stonehaven Maintenance			5,800								5,800		(5,620)			(180)	
Horseshoe Bay Maintenance			5,100								5,100	(1,100)	(2,900)			(1,100)	
Boyt Maintenance			4,100								4,100		(2,400)			(1,700)	
James Main Maintenance			66,200								66,200	(16,700)	(44,600)			(4,900)	
Waines Maintenance			30,600								30,600		(30,070)			(530)	
Baker Main Maintenance				25,500							25,500	(6,500)	(19,000)				
Sweets Corners Maintenance				63,100							63,100	(12,300)	(33,700)			(17,100)	
Townline Br. of the Black Crk Maint				12,300							12,300		(9,460)			(2,840)	
Michener #1 Maintenance				22,400							22,400		(14,750)			(7,650)	
Michener Main Maintenance				20,400							20,400		(18,730)			(1,670)	
Ordnance Reserve Maintenance				42,200							42,200		(11,220)			(30,980)	
King Branch 1 & 2 Maintenance				37,700							37,700		(29,490)			(8,210)	
Black Creek Maintenance				66,200							66,200		(55,710)			(10,490)	
Baker East Maintenance				22,400							22,400		(21,190)			(1,210)	
Baker West Maintenance				24,500							24,500		(23,170)			(1,330)	
Sixth Concession Maintenance					40,800						40,800		(38,450)			(2,350)	
Mazi Maintenance					35,000						35,000	(4,900)	(11,800)			(18,300)	
Weikman Maintenance					26,500						26,500		(12,690)			(13,810)	
Seneca Greens Maintenance					1,900						1,900		(1,520)			(380)	
Anderson Maintenance					8,400						8,400		(6,720)			(1,680)	
Harrop Maintenance					97,700						97,700		(82,340)			(15,360)	
Hunter Maintenance					11,200						11,200		(8,960)			(2,240)	
Lundy Maintenance					26,500						26,500		(21,200)			(5,300)	

Note: (W) Water; (WW) Wastewater; (SS) Storm Sewer; (R) Roads

Haldimand County

2019 to 2028 CAPITAL FORECAST

Division: Municipal Drains

	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	Total Expenditures	Grants Subsidies	External Financing	Development Charges Rsvs Funds	Community Vibrancy Rsvs Fund	Reserves/ Reserve Funds	Debt/ure Financing
North Forks Maintenance						77,400					77,400	(20,820)	(54,460)				(2,120)
South Forks Maintenance						32,600					32,600	(9,470)	(21,640)				(1,490)
Maple Creek Maintenance						98,800					98,800	(32,930)	(52,700)				(13,170)
Maple Creek Dunn Branch Maint						16,300					16,300	(5,430)	(8,700)				(2,170)
Bravin Maintenance							40,800				40,800	(10,250)	(28,090)				(2,460)
Chrysler Maintenance							23,500				23,500	(6,950)	(14,070)				(2,480)
Deamude Maintenance							23,500				23,500		(18,800)				(4,700)
West Kelly Maintenance							61,100				61,100		(56,810)				(4,290)
Byers Maintenance							14,300				14,300		(11,440)				(2,860)
Girling Maintenance							4,100				4,100		(3,280)				(820)
Pat Warren Maintenance						21,400					21,400	(7,130)	(11,420)				(2,850)
Boulton Maintenance								14,300			14,300		(11,440)				(2,860)
Ellsworth Maintenance								30,600			30,600		(27,480)				(3,120)
Furry Maintenance								45,800			45,800		(38,550)				(7,250)
Mackeigan Maintenance								9,100			9,100		(7,280)				(1,820)
Tweed Maintenance								47,900			47,900		(43,680)				(4,220)
Hoover Creek Maintenance								39,700			39,700		(31,760)				(7,940)
Wolf Creek Maintenance								9,200			9,200		(7,360)				(1,840)
Crow Road Maintenance								17,300			17,300		(13,840)				(3,460)
East Kelly Maintenance								28,500			28,500		(22,800)				(5,700)
Chalmers Dickout Maintenance									31,600		31,600	(9,500)	(12,600)				(9,500)
H.E. Dickout Maintenance									22,400		22,400	(6,700)	(9,000)				(6,700)
Bouck & Moyer Maintenance									50,900		50,900	(15,200)	(20,400)				(15,300)
Brown Maintenance									20,400		20,400	(6,100)	(8,200)				(6,100)
Boorsma Maintenance									16,300		16,300	(4,900)	(6,500)				(4,900)
Charles Angle Maintenance									8,200		8,200	(2,400)	(3,300)				(2,500)
Felgner Maintenance									9,900		9,900	(2,900)	(4,000)				(3,000)
Harvey Maintenance		12,300									12,300		(9,840)				(2,460)
Jones Maintenance									6,200		6,200	(1,800)	(2,500)				(1,900)
Farr Maintenance									12,300		12,300	(3,700)	(4,900)				(3,700)
Dent Maintenance									46,900		46,900	(14,000)	(18,800)				(14,100)
Chick Hartnett Maintenance										35,700	35,700		(34,510)				(1,190)
Hartnett Branch #1 Maintenance										11,200	11,200		(10,920)				(280)
Hartnett Branch #2 Maintenance										8,100	8,100		(7,890)				(210)
Hartnett Main Maintenance										17,300	17,300		(16,870)				(430)
Chick Main Maintenance										16,300	16,300		(15,750)				(550)
Chick Branch #1 Maintenance										8,600	8,600		(8,310)				(290)
Chick Branch #2 Maintenance										8,400	8,400		(8,120)				(280)
North Hutchinson N. Maintenance										14,300	14,300		(11,730)				(2,570)
North Hutchinson S Maintenance										17,300	17,300		(13,130)				(4,170)

Note: (W) Water; (WW) Wastewater; (SS) Storm Sewer; (R) Roads

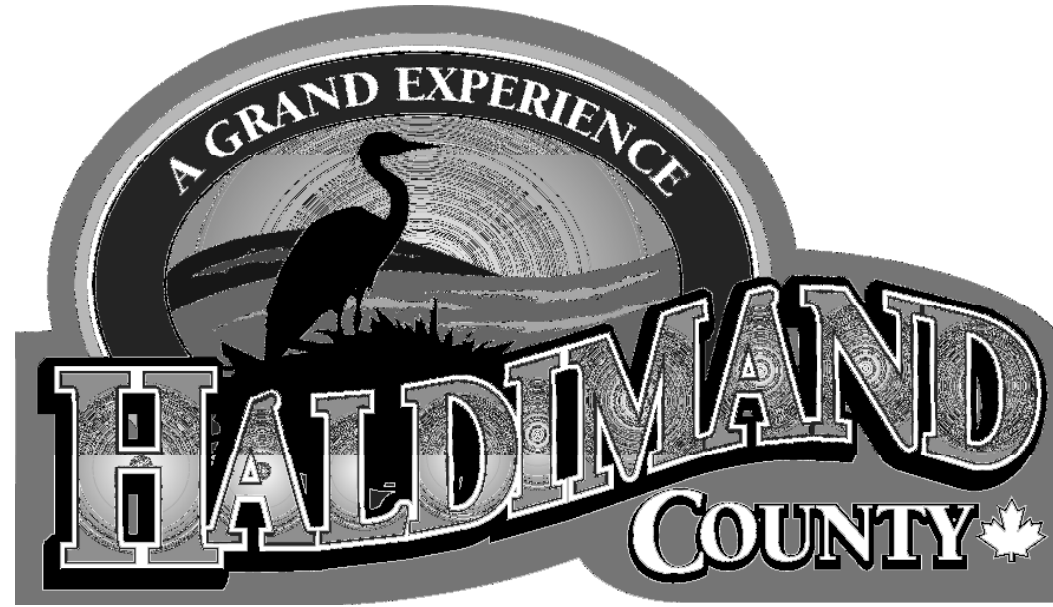
Haldimand County

2019 to 2028 CAPITAL FORECAST

Division: Municipal Drains

	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	Total Expenditures	Grants Subsidies	External Financing	Development Charges Rsvs Funds	Community Vibrancy Rsvs Fund	Reserves/ Reserve Funds	Debenture Financing
South Hutchinson Maintenance										26,500	26,500		(19,180)			(7,320)	
Jarvis 1 Maintenance										51,900	51,900		(36,010)			(15,890)	
Jarvis 2 Maintenance										29,600	29,600		(23,680)			(5,920)	
Carter Maintenance							56,000				56,000		(39,200)			(16,800)	
Misc Municipal Drain Maintenance	40,000	40,000	40,000	40,000	40,000	40,000	40,000	40,000	40,000	40,000	400,000	(120,000)	(160,000)			(120,000)	
Corbott Maintenance				66,000							66,000	(14,200)	(33,400)			(18,400)	
Sundy Maintenance					55,600						55,600	(11,200)	(26,200)			(18,200)	
Van Kuren Maintenance					38,400						38,400	(9,800)	(23,100)			(5,500)	
Total Replacement/State of Good Repair	246,300	157,300	168,100	442,700	382,000	286,500	263,300	282,400	265,100	285,200	2,778,900	(372,880)	(1,832,480)			(573,540)	
Total Municipal Drains Maintenance	246,300	157,300	168,100	442,700	382,000	286,500	263,300	282,400	265,100	285,200	2,778,900	(372,880)	(1,832,480)			(573,540)	
Municipal Drains Construction																	
Replacement/State of Good Repair																	
Harrop Drain Engineers Report	60,000										60,000					(60,000)	
Total Replacement/State of Good Repair	60,000										60,000					(60,000)	
New/Enhanced Service																	
Middaugh Drain Phase 1 - Construction (16)			157,700								157,700		(141,930)			(15,770)	
Middaugh Drain Phase 2 - Construction				101,800							101,800		(91,620)			(10,180)	
MTO Drain Petition - Hwy 3 & 56	200,000										200,000		(160,000)			(40,000)	
Total New/Enhanced Service	200,000		157,700	101,800							459,500		(393,550)			(65,950)	
Total Municipal Drains Construction	260,000		157,700	101,800							519,500		(393,550)			(125,950)	
Total Municipal Drains	506,300	157,300	325,800	544,500	382,000	286,500	263,300	282,400	265,100	285,200	3,298,400	(372,880)	(2,226,030)			(699,490)	

Note: (W) Water; (WW) Wastewater; (SS) Storm Sewer; (R) Roads



ENVIRONMENTAL SERVICES



Haldimand County

2019 to 2028 CAPITAL FORECAST

Division: Environmental Services

	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	Total Expenditures	Grants Subsidies	External Financing	Development Charges Rsvs Funds	Community Vibrancy Rsvs Funds	Reserve/ Reserve Funds	Debenture Financing
Environmental Services																	
Storm Sewer	1,505,000	175,000	190,000	175,000	205,000	160,000	175,000	190,000	175,000	160,000	3,110,000			(423,840)			(2,686,160)
Solid Waste Disposal Sites	70,000	56,000	74,000	169,550	127,500	143,000	40,000	47,700	52,550	45,000	825,300		(202,290)				(623,010)
Total Environmental Services	1,575,000	231,000	264,000	344,550	332,500	303,000	215,000	237,700	227,550	205,000	3,935,300		(202,290)	(423,840)			(3,309,170)

Haldimand County

2019 to 2028 CAPITAL FORECAST

Division: Storm Sewer

	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	Total Expenditures	Grants Subsidies	External Financing	Development Charges Rsvs Funds	Community Vibrancy Rsvs Fund	Reserves/ Reserve Funds	Debtenture Financing
Storm Sewer																	
Replacement/State of Good Repair																	
CCTV Inspect Prgm - Structural Assess'ts [WW]	25,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000	250,000						(250,000)
System Annual Maintenance	55,000	55,000	55,000	55,000	55,000	55,000	55,000	55,000	55,000	55,000	550,000						(550,000)
Dun - Alder St - Cedar to West [W] [WW] [R]	1,250,000										1,250,000			(258,840)			(991,160)
Storm Water Management Ponds		80,000	80,000	80,000	80,000	80,000	80,000	80,000	80,000	80,000	720,000						(720,000)
Cal - Highland Blvd Storm Water Pond	150,000										150,000						(150,000)
Cay - McKay St/Winnett St Drainage Improvements	25,000										25,000						(25,000)
Total Replacement/State of Good Repair	1,505,000	160,000	160,000	160,000	160,000	160,000	160,000	160,000	160,000	160,000	2,945,000			(258,840)			(2,686,160)
New/Enhanced Service																	
Cal - Master Servicing Plan [W] [WW] [R]					30,000						30,000			(30,000)			
Dun - Master Servicing Plan Update [W] [WW] [R]			30,000					30,000			60,000			(60,000)			
Hag - Master Servicing Plan Update [W] [WW] [R]		15,000					15,000				30,000			(30,000)			
Jar - Master Servicing Plan Update [W] [WW] [R]					15,000						15,000			(15,000)			
Cay - Master Servicing Plan Update [W] [WW] [R]				15,000					15,000		30,000			(30,000)			
Total New/Enhanced Service		15,000	30,000	15,000	45,000		15,000	30,000	15,000		165,000			(165,000)			
Total Storm Sewer	1,505,000	175,000	190,000	175,000	205,000	160,000	175,000	190,000	175,000	160,000	3,110,000			(423,840)			(2,686,160)

Haldimand County

2019 to 2028 CAPITAL FORECAST

Division: Solid Waste Disposal Sites

	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	Total Expenditures	Grants Subsidies	External Financing	Development Charges Rsvs Funds	Community Vibrancy Rsvs Fund	Reserves/ Reserve Funds	Debtenture Financing
Solid Waste Disposal Sites																	
Canborough																	
Replacement/State of Good Repair																	
Waste Mgmt Facility Repairs	25,000	15,000	15,000	15,000	15,000	25,000	15,000	15,000	15,000	15,000	170,000						(170,000)
Total Replacement/State of Good Repair	25,000	15,000	15,000	15,000	15,000	25,000	15,000	15,000	15,000	15,000	170,000						(170,000)
Total Canborough	25,000	15,000	15,000	15,000	15,000	25,000	15,000	15,000	15,000	15,000	170,000						(170,000)
Canborough Perpetual Care																	
Replacement/State of Good Repair																	
General Maintenance Perpetual	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	100,000		(57,000)				(43,000)
Total Replacement/State of Good Repair	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	100,000		(57,000)				(43,000)
Total Canborough Perpetual Care	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	100,000		(57,000)				(43,000)
Tom Howe Perpetual Care																	
Replacement/State of Good Repair																	
General Maintenance Perpetual	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	100,000		(57,000)				(43,000)
LFG (Landfill Gas) Flare Shell/Insulation -Perpetual				15,000							15,000		(8,500)				(6,500)
Air Compressor	20,000										20,000		(11,300)				(8,700)
Pneumatic Pumps			12,000			12,000			12,000		36,000		(20,400)				(15,600)
Flare Control Hardware					5,000					5,000	10,000		(5,600)				(4,400)
LFG Flare VFD		15,000									15,000		(8,500)				(6,500)
Servers (SCADA)			6,200					6,200			12,400		(7,000)				(5,400)
Desktops (SCADA)			1,500					1,500			3,000		(1,600)				(1,400)
Connectivity Equipment (SCADA)				550					550		1,100		(620)				(480)
Software (SCADA)		1,000	14,300								15,300		(8,670)				(6,630)
Total Replacement/State of Good Repair	30,000	26,000	44,000	25,550	15,000	22,000	10,000	17,700	22,550	15,000	227,800		(129,190)				(98,610)
Total Tom Howe Perpetual Care	30,000	26,000	44,000	25,550	15,000	22,000	10,000	17,700	22,550	15,000	227,800		(129,190)				(98,610)
Perpetual Site Care-Other Sites																	
Replacement/State of Good Repair																	
General Maintenance - Perpetual Sites	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	50,000						(50,000)
Total Replacement/State of Good Repair	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	50,000						(50,000)
New/Enhanced Service																	
Closed Landfills - ESA Phase 1 & 2				114,000	82,500	81,000					277,500		(16,100)				(261,400)
Total New/Enhanced Service				114,000	82,500	81,000					277,500		(16,100)				(261,400)
Total Perpetual Site Care-Other Sites	5,000	5,000	5,000	119,000	87,500	86,000	5,000	5,000	5,000	5,000	327,500		(16,100)				(311,400)
Total Solid Waste Disposal Sites	70,000	56,000	74,000	169,550	127,500	143,000	40,000	47,700	52,550	45,000	825,300		(202,290)				(623,010)



HEALTH SERVICES



Haldimand County

2019 to 2028 CAPITAL FORECAST

Division: Health Services

	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	Total Expenditures	Grants Subsidies	External Financing	Development Charges Rsvs Funds	Community Vibrancy Rsvs Funds	Reserve/ Reserve Funds	Debenture Financing
Health Services																	
Paramedic Services	81,100	20,000	1,716,300	170,000	295,000	80,500	56,800	1,205,000	200,000	201,800	4,026,500			(533,050)		(1,262,650)	(2,230,800)
Cemeteries	34,000	52,000	550,000	37,000	247,000	37,000	237,000	37,000	37,000	37,000	1,305,000			(391,500)		(913,500)	
Total Health Services	115,100	72,000	2,266,300	207,000	542,000	117,500	293,800	1,242,000	237,000	238,800	5,331,500			(924,550)		(2,176,150)	(2,230,800)

Haldimand County

2019 to 2028 CAPITAL FORECAST

Division: Paramedic Services

	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	Total Expenditures	Grants Subsidies	External Financing	Development Charges Rsvs Funds	Community Vibrancy Rsvs Fund	Reserves/ Reserve Funds	Debt/Debture Financing
Paramedic Services																	
Paramedic Services Admin																	
Replacement/State of Good Repair																	
Paramedic Services - Medical Equip't Replacm't	17,000	17,000	17,000	17,000	17,000	17,000	17,000	17,000	17,000	17,000	170,000						(170,000)
Defibrillator Replacement				150,000	150,000				150,000	150,000	600,000						(600,000)
Paramedic PPE Replacement									30,000		30,000						(30,000)
Furniture/Appliances-Replacement	3,000	3,000	3,000	3,000	3,000	3,000	3,000	3,000	3,000	3,000	30,000						(30,000)
Power Stretchers Replacement					125,000	50,000					175,000						(175,000)
Stairchair Replacement	14,000					10,500	14,000				38,500						(38,500)
Public Access Automated External Defibrillator	39,300									31,800	71,100						(71,100)
FIT Testing Machine							22,800				22,800						(22,800)
Total Replacement/State of Good Repair	73,300	20,000	20,000	170,000	295,000	80,500	56,800	20,000	200,000	201,800	1,137,400						(1,137,400)
New/Enhanced Service																	
Patient Care Reporting - Additional Licenses	2,000										2,000						(2,000)
Laptop Computers (2)	5,800										5,800						(5,800)
Total New/Enhanced Service	7,800										7,800						(7,800)
Total Paramedic Services Admin	81,100	20,000	20,000	170,000	295,000	80,500	56,800	20,000	200,000	201,800	1,145,200						(1,145,200)
Caledonia Ambulance Base																	
New/Enhanced Service																	
Paramedic Services Base			1,696,300								1,696,300			(533,050)		(57,450)	(1,105,800)
Total New/Enhanced Service			1,696,300								1,696,300			(533,050)		(57,450)	(1,105,800)
Total Caledonia Ambulance Base			1,696,300								1,696,300			(533,050)		(57,450)	(1,105,800)
Dunnville Ambulance Base																	
Replacement/State of Good Repair																	
Paramedic Services Base								1,185,000			1,185,000					(60,000)	(1,125,000)
Total Replacement/State of Good Repair								1,185,000			1,185,000					(60,000)	(1,125,000)
Total Dunnville Ambulance Base								1,185,000			1,185,000					(60,000)	(1,125,000)
Total Paramedic Services	81,100	20,000	1,716,300	170,000	295,000	80,500	56,800	1,205,000	200,000	201,800	4,026,500			(533,050)		(1,262,650)	(2,230,800)

Note: (CIW) Cast Iron Watermain; (W) Water; (WW) Wastewater; (SS) Storm Sewer; (R) Roads

Haldimand County

2019 to 2028 CAPITAL FORECAST

Division: Cemeteries

	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	Total Expenditures	Grants Subsidies	External Financing	Development Charges Rsvs Funds	Community Vibrancy Rsvs Fund	Reserves/ Reserve Funds	Debtenture Financing
Cemeteries																	
Cemeteries Administration																	
Replacement/State of Good Repair																	
GEN CEM - Cemetery & Headstone Restoration	10,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000	235,000						(235,000)
GEN CEM - Bench/Garbage Receptacle Replacement				10,000	10,000	10,000	10,000	10,000	10,000	10,000	70,000						(70,000)
Total Replacement/State of Good Repair	10,000	25,000	25,000	35,000	35,000	35,000	35,000	35,000	35,000	35,000	305,000						(305,000)
Total Cemeteries Administration	10,000	25,000	25,000	35,000	35,000	35,000	35,000	35,000	35,000	35,000	305,000						(305,000)
Caledonia Cemeteries																	
Replacement/State of Good Repair																	
CAL - Cemetery Bldg Door & Window Replc.	5,000										5,000						(5,000)
Total Replacement/State of Good Repair	5,000										5,000						(5,000)
New/Enhanced Service																	
CAL - Columbarium & Pathways					70,000						70,000			(63,000)			(7,000)
Total New/Enhanced Service					70,000						70,000			(63,000)			(7,000)
Total Caledonia Cemeteries	5,000				70,000						75,000			(63,000)			(12,000)
Hagersville Cemeteries																	
New/Enhanced Service																	
HAG - Columbarium & Pathways					70,000						70,000			(63,000)			(7,000)
HAG - Cemetery Survey/Layout/Drainage			25,000								25,000			(22,500)			(2,500)
Total New/Enhanced Service			25,000		70,000						95,000			(85,500)			(9,500)
Total Hagersville Cemeteries			25,000		70,000						95,000			(85,500)			(9,500)
Cayuga Cemeteries																	
Replacement/State of Good Repair																	
CAY - Riverside Roof & Door Replacement		25,000									25,000						(25,000)
Total Replacement/State of Good Repair		25,000									25,000						(25,000)
New/Enhanced Service																	
CAY - Expansion incl Columbarium							200,000				200,000			(180,000)			(20,000)
Total New/Enhanced Service							200,000				200,000			(180,000)			(20,000)
Total Cayuga Cemeteries		25,000					200,000				225,000			(180,000)			(45,000)
Dunnville Cemeteries																	
Replacement/State of Good Repair																	
DUNN - Lowbanks Cemetery	2,000	2,000	500,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	518,000						(518,000)
Total Replacement/State of Good Repair	2,000	2,000	500,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	518,000						(518,000)
New/Enhanced Service																	
DUNN - Riverside Columbarium & Pathways					70,000						70,000			(63,000)			(7,000)
DUNN - Old William Inman Cemetery Survey	7,000										7,000						(7,000)
DUNN - Riverside Building Security Upgrades	10,000										10,000						(10,000)
Total New/Enhanced Service	17,000				70,000						87,000			(63,000)			(24,000)
Total Dunnville Cemeteries	19,000	2,000	500,000	2,000	72,000	2,000	2,000	2,000	2,000	2,000	605,000			(63,000)			(542,000)
Total Cemeteries	34,000	52,000	550,000	37,000	247,000	37,000	237,000	37,000	37,000	37,000	1,305,000			(391,500)			(913,500)

Note: (W) Water; (WW) Wastewater; (SS) Storm Sewer; (R) Roads



SOCIAL AND FAMILY SERVICES



Haldimand County

2019 to 2028 CAPITAL FORECAST

Division: Social and Family Services

	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	Total Expenditures	Grants Subsidies	External Financing	Development Charges Rsvs Funds	Community Vibrancy Rsvs Funds	Reserve/ Reserve Funds	Debenture Financing
Social and Family Services																	
Grandview Lodge	364,570	235,310	240,480	243,220	179,220	182,170	155,490	202,760	187,710	117,760	2,108,690		(93,000)			(2,015,690)	
Total Social and Family Service	364,570	235,310	240,480	243,220	179,220	182,170	155,490	202,760	187,710	117,760	2,108,690		(93,000)			(2,015,690)	

Haldimand County

2019 to 2028 CAPITAL FORECAST

Division: Grandview Lodge

	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	Total Expenditures	Grants Subsidies	External Financing	Development Charges Rsvs Funds	Community Vibrancy Rsvs Fund	Reserves/ Reserve Funds	Debt/ure Financing
Grandview Lodge																	
GVL - Program & Support Services																	
Replacement/State of Good Repair																	
Televisions	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	10,000		(10,000)				
Snoezelen Therapy Travelling Cart	3,000		3,000		3,000		3,000		3,000		15,000		(15,000)				
Total Replacement/State of Good Repair	4,000	1,000	4,000	1,000	4,000	1,000	4,000	1,000	4,000	1,000	25,000		(25,000)				
New/Enhanced Service																	
Door Coverings	5,500	5,500	5,500	5,500	5,500	5,500	5,500	5,500	5,500	5,500	55,000		(55,000)				
Total New/Enhanced Service	5,500	5,500	5,500	5,500	5,500	5,500	5,500	5,500	5,500	5,500	55,000		(55,000)				
Total GVL - Program & Support Services	9,500	6,500	9,500	6,500	9,500	6,500	9,500	6,500	9,500	6,500	80,000		(80,000)				
GVL - Dietary Services																	
Replacement/State of Good Repair																	
Galley Kitchen Dishwasher							21,500	21,500			43,000						(43,000)
Food Processor		5,600				5,600					11,200						(11,200)
Food Chopper/Grater						4,500					4,500						(4,500)
Galley Kitchen Toaster (1)	2,690	2,690	2,690					2,690	2,690	2,690	16,140						(16,140)
Galley Kitchen Ice Dispenser (1)									6,850		6,850						(6,850)
Galley Kitchen Refrigerator/Freezer (1)									9,600		9,600						(9,600)
Main Kitchen Ice Machine (1)		6,100									6,100						(6,100)
Galley Serveries Refrigerator (1)	1,000							1,000	1,000	1,000	4,000						(4,000)
Coffee Brewer (1)	6,500									6,500	13,000						(13,000)
Hot Water Dispensers							1,700		3,400		5,100						(5,100)
Server Heat Lamps/Food Holding Heated Unit (1)	5,100	5,100							5,100	5,100	20,400						(20,400)
Cambro Carts			3,900	3,900							7,800						(7,800)
Rational Oven/Steamer (1)	26,810										26,810						(26,810)
Convectional Ovens (2)								35,000			35,000						(35,000)
Stationary Kettle (1)			7,850								7,850						(7,850)
Gas Stove (1)								7,100			7,100						(7,100)
Skillet (1)						25,000					25,000						(25,000)
Mixer/Grinder (1)			13,000								13,000						(13,000)
Commercial Can Opener (1)			1,400								1,400						(1,400)
Carts	2,600	2,600	2,600	2,600	2,600	2,600	2,600	2,600	2,600	2,600	20,800						(20,800)
Total Replacement/State of Good Repair	44,700	22,090	31,440	6,500	2,600	37,700	25,800	69,890	28,640	15,290	284,650						(284,650)
New/Enhanced Service																	
Freezer		6,500									6,500						(6,500)
Total New/Enhanced Service		6,500									6,500						(6,500)
Total GVL - Dietary Services	44,700	28,590	31,440	6,500	2,600	37,700	25,800	69,890	28,640	15,290	291,150						(291,150)
GVL - Nursing & Personal Care																	
Replacement/State of Good Repair																	
Nursing Pagers	4,320	4,320	4,320	4,320	4,320	4,320	4,320	4,320	4,320	4,320	43,200						(43,200)

Note: (W) Water; (WW) Wastewater; (SS) Storm Sewer; (R) Roads

Haldimand County

2019 to 2028 CAPITAL FORECAST

Division: Grandview Lodge

	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	Total Expenditures	Grants Subsidies	External Financing	Development Charges Rsvs Funds	Community Vibrancy Rsvs Fund	Reserves/Reserve Funds	Debtenture Financing
Vital Machine	2,850	2,850	2,850	2,850	2,850	2,850	2,850	2,850	2,850	2,850	28,500						(28,500)
Nursing Treatment Cart (2)			4,600	4,600			4,600	4,600			18,400						(18,400)
PSW Care Carts (2)	1,400				1,400				1,400		4,200						(4,200)
Sanitizer for Equipment	13,000	13,000									26,000						(26,000)
Intravenous Pumps			6,320				6,320				12,640						(12,640)
Touch Screen Computer Replacement (18)			5,500			5,500			5,500		16,500						(16,500)
Total Replacement/State of Good Repair	21,570	20,170	23,590	11,770	8,570	12,670	18,090	11,770	14,070	7,170	149,440						(149,440)
Total GVL - Nursing & Personal Care	21,570	20,170	23,590	11,770	8,570	12,670	18,090	11,770	14,070	7,170	149,440						(149,440)
GVL - Housekeeping																	
Replacement/State of Good Repair																	
Floor Lift		13,800	13,800	13,800	13,800	13,800	13,800	13,800	13,800	13,800	124,200						(124,200)
Floor Lift (sit to stand)	5,800					5,800	5,800	5,800	5,800		29,000						(29,000)
Walk Behind Vacuum		3,500	3,500								7,000						(7,000)
Floor Scrubber						12,000					12,000						(12,000)
Mattress Replacement	8,000	8,000	8,000	8,000	8,000	8,000	8,000	8,000	8,000	8,000	80,000						(80,000)
Therapeutic Tubs (1 each year)		23,700	23,700	23,700	23,700						94,800						(94,800)
Tub Chairs		12,050	12,050	12,050	12,050						48,200						(48,200)
Lounge and Room Furniture	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	200,000						(200,000)
Dining Room Furniture					10,000	10,000	10,000	10,000			40,000						(40,000)
Low to the Floor Electric Beds	21,700	21,700	21,700	21,700		21,700	21,700	21,700	21,700	21,700	195,300						(195,300)
Flooring Replacement	20,000			25,000						25,000	70,000						(70,000)
Ceiling Lift Carriages Replacement	9,200	4,600	4,600	4,600	4,600	4,600	4,600	4,600	4,600	4,600	50,600						(50,600)
Total Replacement/State of Good Repair	84,700	107,350	107,350	128,850	92,150	95,900	83,900	83,900	98,900	68,100	951,100						(951,100)
New/Enhanced Service																	
Ceiling Lifts/Tracks, Carriage for Beds	11,200	11,200	11,200	11,200	11,200	11,200					67,200						(67,200)
Outdoor Furniture	2,500							2,500	2,500	2,500	10,000		(10,000)				
Total New/Enhanced Service	13,700	11,200	11,200	11,200	11,200	11,200		2,500	2,500	2,500	77,200		(10,000)				(67,200)
Total GVL - Housekeeping	98,400	118,550	118,550	140,050	103,350	107,100	83,900	86,400	101,400	70,600	1,028,300		(10,000)				(1,018,300)
GVL - Laundry & Linen																	
Replacement/State of Good Repair																	
Industrial Dryer			15,900	15,900					15,900		47,700						(47,700)
Industrial Washer				21,000	21,000			10,000			52,000						(52,000)
Privacy & Window Curtains and Bedspreads	23,300	23,300	23,300	23,300	16,000						109,200						(109,200)
Total Replacement/State of Good Repair	23,300	23,300	39,200	60,200	37,000			10,000	15,900		208,900						(208,900)
Total GVL - Laundry & Linen	23,300	23,300	39,200	60,200	37,000			10,000	15,900		208,900						(208,900)
GVL - Building & Property																	
Replacement/State of Good Repair																	
Replace Compressors (HVAC and refrigeration)	12,000	12,000	12,000	12,000	12,000	12,000	12,000	12,000	12,000	12,000	120,000						(120,000)
Grease Trap Replacement	9,000										9,000						(9,000)
Millwork Repairs	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	50,000						(50,000)

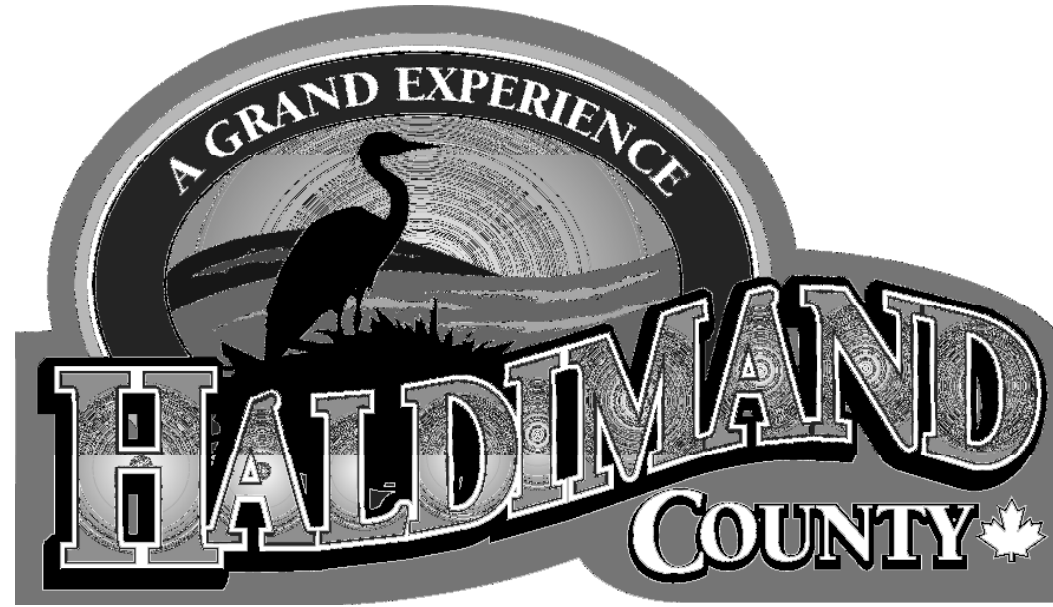
Note: (W) Water; (WW) Wastewater; (SS) Storm Sewer; (R) Roads

Haldimand County

2019 to 2028 CAPITAL FORECAST

Division: Grandview Lodge

	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	Total Expenditures	Grants Subsidies	External Financing	Development Charges Rsvs Funds	Community Vibrancy Rsvs Fund	Reserves/ Reserve Funds	Debtenture Financing
Minor Roof Repairs	20,000	20,000									40,000					(40,000)	
Rooftop Heating/Cooling System	57,200										57,200					(57,200)	
Hearing Clinic Room Renovations	5,500										5,500					(5,500)	
Total Replacement/State of Good Repair	108,700	37,000	17,000	17,000	17,000	17,000	17,000	17,000	17,000	17,000	281,700					(281,700)	
New/Enhanced Service																	
Court Yard Electrical	3,000										3,000		(3,000)				
Automatic Doors - Resident/Visitor Bathrooms	19,300										19,300					(19,300)	
Door Access System	21,500										21,500					(21,500)	
Staff Lockers	6,200										6,200					(6,200)	
Total New/Enhanced Service	50,000										50,000		(3,000)			(47,000)	
Total GVL - Building & Property	158,700	37,000	17,000	17,000	17,000	17,000	17,000	17,000	17,000	17,000	331,700		(3,000)			(328,700)	
GVL - Administration																	
Replacement/State of Good Repair																	
Portable Phones	8,400	1,200	1,200	1,200	1,200	1,200	1,200	1,200	1,200	1,200	19,200					(19,200)	
Total Replacement/State of Good Repair	8,400	1,200	1,200	1,200	1,200	1,200	1,200	1,200	1,200	1,200	19,200					(19,200)	
Total GVL - Administration	8,400	1,200	1,200	1,200	1,200	1,200	1,200	1,200	1,200	1,200	19,200					(19,200)	
Total Grandview Lodge	364,570	235,310	240,480	243,220	179,220	182,170	155,490	202,760	187,710	117,760	2,108,690		(93,000)			(2,015,690)	



RECREATION AND CULTURAL SERVICES



Haldimand County

2019 to 2028 CAPITAL FORECAST

Division: Recreation and Cultural Services

	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	Total Expenditures	Grants Subsidies	External Financing	Development Charges Rsve Funds	Community Vibrancy Rsve Funds	Reserve/ Reserve Funds	Debt/ure Financing
Recreation and Cultural Services																	
Parks	982,000	555,000	837,000	1,493,000	677,000	178,000	883,000	2,218,000	78,000	78,000	7,979,000		(618,000)	(1,466,600)	(200,000)	(5,694,400)	
Arenas	635,500	596,000	219,000	182,000	652,000	404,000	773,000	92,000	76,000	72,000	3,701,500					(3,701,500)	
Pools		47,000	635,000	225,000	86,000	555,000		300,000	15,000	20,000	1,883,000					(1,883,000)	
Library Summary	903,990	3,761,990	565,690	195,590	199,090	195,590	251,790	195,590	195,590	283,090	6,748,000			(700,070)		(3,244,600)	(2,803,330)
Community Development & Partne	22,600	2,500	2,500								27,600					(27,600)	
Heritage and Culture Summary	57,100	30,200	191,000	341,600	5,000	14,500	5,000	5,000	5,000	5,000	659,400					(659,400)	
Community Halls Partnership Proç	660,800	684,460	400,800	42,700	62,700	42,700	97,800	150,000	175,000	50,000	2,366,960					(2,366,960)	
Community Partnership Program	150,000	150,000	150,000	150,000	150,000	150,000	150,000	150,000	150,000	150,000	1,500,000					(1,500,000)	
Total Recreation and Cultural S	3,411,990	5,827,150	3,000,990	2,629,890	1,831,790	1,539,790	2,160,590	3,110,590	694,590	658,090	24,865,460		(618,000)	(2,166,670)	(200,000)	(19,077,460)	(2,803,330)

Haldimand County

2019 to 2028 CAPITAL FORECAST

Division: Parks

	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	Total Expenditures	Grants Subsidies	External Financing	Development Charges Rsvs Funds	Community Vibrancy Rsvs Fund	Reserves/ Reserve Funds	Debt/Debture Financing
Parks																	
Trails and Pathways																	
Replacement/State of Good Repair																	
Trails-Capital Maintenance	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	100,000						(100,000)
Total Replacement/State of Good Repair	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	100,000						(100,000)
New/Enhanced Service																	
Conversion of CNR Train Bridge	10,000	90,000									100,000				(100,000)		
Feeder Canal - Niagara to Dunnville - Study	30,000										30,000			(27,000)			(3,000)
Rail Park - Cedar St to Robinson Rd.- Study	10,000										10,000			(9,000)			(1,000)
Dunnville Arena to Soccer Park - Study	10,000										10,000			(9,000)			(1,000)
Marshall Woodlot - Study	10,000										10,000			(9,000)			(1,000)
Burke Park Haller Park Black Creek Park Kincardine Empire - S	10,000										10,000			(9,000)			(1,000)
Caledonia to Hagersville-via Mud Rd Hydro Corridor							130,000	1,895,000			2,025,000			(473,600)			(1,551,400)
River Rd - On-Route Cycling Lane - Hwy 3 to Sutor [R]			570,000								570,000			(570,000)			
Total New/Enhanced Service	80,000	90,000	570,000				130,000	1,895,000			2,765,000			(1,106,600)	(100,000)		(1,558,400)
Total Trails and Pathways	90,000	100,000	580,000	10,000	10,000	10,000	140,000	1,905,000	10,000	10,000	2,865,000			(1,106,600)	(100,000)		(1,658,400)
General Parks																	
Replacement/State of Good Repair																	
GEN Park - Picnic Table Replacement				3,000	3,000	3,000	3,000	3,000	3,000	3,000	21,000						(21,000)
GEN PARK - Bench/Garbage Receptacle Replacement				10,000	10,000	10,000	10,000	10,000	10,000	10,000	70,000						(70,000)
Total Replacement/State of Good Repair				13,000	13,000	13,000	13,000	13,000	13,000	13,000	91,000						(91,000)
New/Enhanced Service																	
GEN PARK - Park Development & Master Plan Init's			50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	400,000			(360,000)			(40,000)
GEN PARK - Memorial Benches	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	50,000		(50,000)				
GEN PARK - Pickleball Initiative		10,000									10,000						(10,000)
Total New/Enhanced Service	5,000	15,000	55,000	55,000	55,000	55,000	55,000	55,000	55,000	55,000	460,000		(50,000)	(360,000)			(50,000)
Total General Parks	5,000	15,000	55,000	68,000	68,000	68,000	68,000	68,000	68,000	68,000	551,000		(50,000)	(360,000)			(141,000)
Caledonia Parks																	
Replacement/State of Good Repair																	
CAL - Kinsmen Light Fixture & Pole Replc.						100,000					100,000						(100,000)
CAL - Kinsmen Backstop & Fencing Replc.					20,000						20,000						(20,000)
CAL - Kinsmen Mill Race cleanup		15,000			15,000				15,000		45,000						(45,000)
CAL - Kinsmen replace exercise equip & base										30,000	30,000						(30,000)
CAL - Kinsmen replace pavillion										75,000	75,000						(75,000)
CAL - Thistlemoor Playground Equipment Repl	125,000										125,000						(125,000)
CAL - Williamson Woods Playground Replacement		125,000									125,000						(125,000)
CAL - Dunrobin Park Playground Replacement							125,000				125,000						(125,000)
CAL - Scott Park Playground Replacement							125,000				125,000						(125,000)
CAL - York Park Playground Replacement							150,000				150,000						(150,000)
Total Replacement/State of Good Repair	125,000	140,000			35,000	100,000	400,000	120,000			920,000						(920,000)

Note: (W) Water; (WW) Wastewater; (SS) Storm Sewer; (R) Roads

Haldimand County

2019 to 2028 CAPITAL FORECAST

Division: Parks

	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	Total Expenditures	Grants Subsidies	External Financing	Development Charges Rsvs Funds	Community Vibrancy Rsvs Fund	Reserves/Reserve Funds	Debtenture Financing
Total Caledonia Parks	125,000	140,000			35,000	100,000	400,000	120,000			920,000					(920,000)	
Hagersville Parks																	
Replacement/State of Good Repair																	
HAG - Grant Kett Ball Light Replc.			80,000								80,000					(80,000)	
HAG - Grant Kett Bleacher Replc.		30,000									30,000					(30,000)	
HAG - Grant Kett Pavilion Roof Replc.					20,000						20,000					(20,000)	
HAG - Grant Kett Concession/Washroom Replc.					72,000						72,000					(72,000)	
HAG - Replace skateboard park				400,000							400,000		(284,000)			(116,000)	
HAG - Repair Entrance Pillars	15,000										15,000					(15,000)	
Total Replacement/State of Good Repair	15,000	30,000	80,000	400,000	92,000						617,000		(284,000)			(333,000)	
Total Hagersville Parks	15,000	30,000	80,000	400,000	92,000						617,000		(284,000)			(333,000)	
Cayuga Parks																	
Replacement/State of Good Repair																	
CAY - Skate Park/Tennis Court Replac.				400,000							400,000		(284,000)			(116,000)	
FISH - Ball Park Fence Replacement	20,000	20,000									40,000					(40,000)	
CAY - Canfield Playground Replacement							150,000				150,000					(150,000)	
Total Replacement/State of Good Repair	20,000	20,000		400,000			150,000				590,000		(284,000)			(306,000)	
New/Enhanced Service																	
Cayuga Village on the Green Landscape		100,000									100,000					(100,000)	
Total New/Enhanced Service		100,000									100,000					(100,000)	
Total Cayuga Parks	20,000	120,000		400,000			150,000				690,000		(284,000)		(100,000)	(306,000)	
Dunnville Parks																	
Replacement/State of Good Repair																	
DUNN - Kinsmen Playground Equip. Replc.	125,000										125,000					(125,000)	
DUNN - Lions Playground Equip. Replc.	125,000										125,000					(125,000)	
DUNN - Parks Workshop Replacement					472,000						472,000					(472,000)	
DUNN - Lions replace bldg roof/eavestrough				250,000							250,000					(250,000)	
DUNN - Kinsmen replace bldg roof/eavestrough								125,000			125,000					(125,000)	
DUNN - Lions Park Electrical Upgrades	7,000										7,000					(7,000)	
DUNN - Canborough Playground Replacement	10,000										10,000					(10,000)	
DUNN - Oswego Park Equipment Replacement	75,000										75,000					(75,000)	
DUNN - Central Park Playground Replacement							125,000				125,000					(125,000)	
Total Replacement/State of Good Repair	342,000			250,000	472,000		125,000	125,000			1,314,000					(1,314,000)	
New/Enhanced Service																	
DUNN - Lions Park Fence & Pathway			115,000								115,000					(115,000)	
Total New/Enhanced Service			115,000								115,000					(115,000)	
Total Dunnville Parks	342,000		115,000	250,000	472,000		125,000	125,000			1,429,000					(1,429,000)	
Nanticoke Parks																	
Replacement/State of Good Repair																	
TOWN - Playground Equipment Replc.		150,000									150,000					(150,000)	

Note: (W) Water; (WW) Wastewater; (SS) Storm Sewer; (R) Roads

Haldimand County

2019 to 2028 CAPITAL FORECAST

Division: Parks

	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028							
											Total	Grants	External	Development	Community	Reserves/	Debtenture
											Expenditures	Subsidies	Financing	Charges	Vibrancy	Reserve	Financing
													Rsve Funds	Rsve Fund	Funds		
TOWN - Lions Park Roof Repair/Maintenance	125,000										125,000						(125,000)
TOWN - Lions Pavilion HVAC Replacement			7,000								7,000						(7,000)
NANT - Springvale Playground Replc.				150,000							150,000						(150,000)
TOWN - Lions Park Washroom/Storage Repl	200,000										200,000						(200,000)
NANT - Springvale Removals & Cleanup	60,000										60,000						(60,000)
NANT - Springvale Storage Building Repairs				50,000							50,000						(50,000)
Total Replacement/State of Good Repair	385,000	150,000	7,000	200,000							742,000						(742,000)
Total Nanticoke Parks	385,000	150,000	7,000	200,000							742,000						(742,000)
Port Maitland Pier & Lighthouse																	
Replacement/State of Good Repair																	
DUNN - Pt. Maitland Dock Replacement				50,000							50,000						(50,000)
Total Replacement/State of Good Repair				50,000							50,000						(50,000)
New/Enhanced Service																	
DUNN - Pt. Maitland Pier Improvements				115,000							115,000						(115,000)
Total New/Enhanced Service				115,000							115,000						(115,000)
Total Port Maitland Pier & Lighthouse				165,000							165,000						(165,000)
Total Parks	982,000	555,000	837,000	1,493,000	677,000	178,000	883,000	2,218,000	78,000	78,000	7,979,000		(618,000)	(1,466,600)	(200,000)		(5,694,400)

Haldimand County

2019 to 2028 CAPITAL FORECAST

Division: Arenas

	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	Total Expenditures	Grants Subsidies	External Financing	Development Charges Rsvs Funds	Community Vibrancy Rsvs Fund	Reserves/ Reserve Funds	Debtenture Financing
Arenas																	
Arenas - General																	
Replacement/State of Good Repair																	
ARENA ADMIN - IP Security Camera Replc.	150,000	150,000				150,000	150,000				600,000						(600,000)
ARENA ADMIN - LED Comm. TV Repl.	20,000		15,000			25,000		15,000			75,000						(75,000)
GEN ARENA - Table & Chair Replacements	10,000			10,000							20,000						(20,000)
Total Replacement/State of Good Repair	180,000	150,000	15,000	10,000		175,000	150,000	15,000			695,000						(695,000)
Total Arenas - General	180,000	150,000	15,000	10,000		175,000	150,000	15,000			695,000						(695,000)
Hagersville Arena																	
Replacement/State of Good Repair																	
HAG - Arena Evaporator/Condensor Replc.		40,000									40,000						(40,000)
HAG - Arena Compressor Rebuild	10,000	10,000		10,000	10,000		10,000	10,000		10,000	70,000						(70,000)
HAG - Structural Inspection		5,000					5,000				10,000						(10,000)
HAG - Arena Brine Pump Replacement			10,000								10,000						(10,000)
HAG - Arena Bldg HW Tank Replc.					6,000					6,000	12,000						(12,000)
HAG - Arena Chiller Gasket Replacement							40,000				40,000						(40,000)
HAG - Arena Floor Scrubber Replc.						12,000					12,000						(12,000)
HAG - Arena Header Replacement				30,000							30,000						(30,000)
HAG - Concession Equipment Replacements		1,000					8,000				9,000						(9,000)
HAG - Ice Resurfacer HW Heater/Tank Replc.					4,000					4,000	8,000						(8,000)
HAG - Retrofit Exterior Lighting				30,000							30,000						(30,000)
HAG - Replace Hand Dryers	16,000										16,000						(16,000)
HAG - Arena Parking Lot Resurfacing							500,000				500,000						(500,000)
Total Replacement/State of Good Repair	26,000	56,000	10,000	70,000	20,000	12,000	563,000	10,000		20,000	787,000						(787,000)
New/Enhanced Service																	
HAG - Ice Resurf. Blade Changer	3,000										3,000						(3,000)
Total New/Enhanced Service	3,000										3,000						(3,000)
Total Hagersville Arena	29,000	56,000	10,000	70,000	20,000	12,000	563,000	10,000		20,000	790,000						(790,000)
Haldimand County Caledonia Centre																	
Replacement/State of Good Repair																	
HCCC - Ice Resurfacer HW Heater & Tank Replc.				8,000					8,000		16,000						(16,000)
HCCC - Arena Skate Tile Replacement	90,500	215,000									305,500						(305,500)
HCCC - Arena HW Heater Replacements					16,000					16,000	32,000						(32,000)
HCCC - Arena Booster Pump Replc.				6,000						6,000	12,000						(12,000)
HCCC - Arena Compressor Rebuilds	20,000	20,000		20,000	20,000		20,000	20,000		20,000	140,000						(140,000)
HCCC - Arena Parking Lot Resurfacing/Lining					450,000						450,000						(450,000)
HCCC - Structural Inspection		5,000					5,000				10,000						(10,000)
HCCC - Arena Computer System Replacement						35,000					35,000						(35,000)
HCCC - Arena Floor Scrubber Replc		12,000			12,000				12,000		36,000						(36,000)
HCCC - Arena Glycol Pump Replacement		3,000									3,000						(3,000)

Note: (W) Water; (WW) Wastewater; (SS) Storm Sewer; (R) Roads

Haldimand County

2019 to 2028 CAPITAL FORECAST

Division: Arenas

	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	Total Expenditures	Grants Subsidies	External Financing	Development Charges Rsvs Funds	Community Vibrancy Rsvs Fund	Reserves/ Reserve Funds	Debtenture Financing
HCCC - Ice Making Water Trtmt Syst. Replc						30,000					30,000						(30,000)
HCCC - Arena Scoreboard Replacements						20,000					20,000						(20,000)
HCCC - Retrofit Parking Lot Lighting	150,000										150,000						(150,000)
HCCC- Building Condition Repairs/Replc.		10,000									10,000						(10,000)
HCCC - Outdoor Sign Repl		10,000									10,000						(10,000)
HCCC - Elevator Updates	50,000										50,000						(50,000)
HCCC - Arena Roof Repairs	20,000										20,000						(20,000)
HCCC - Washroom Partition Replacement		75,000									75,000						(75,000)
HCCC - Concession Security Gate		30,000									30,000						(30,000)
HCCC - Front Entrance Door Replacement	30,000										30,000						(30,000)
Total Replacement/State of Good Repair	360,500	380,000		34,000	498,000	85,000	25,000	32,000	8,000	42,000	1,464,500						(1,464,500)
New/Enhanced Service																	
HCCC - Ice Resurf. Blade Changer	3,000										3,000						(3,000)
Total New/Enhanced Service	3,000										3,000						(3,000)
Total Haldimand County Caledonia Centre	363,500	380,000		34,000	498,000	85,000	25,000	32,000	8,000	42,000	1,467,500						(1,467,500)
Cayuga Arena																	
Replacement/State of Good Repair																	
CAY - Ice Resurfacer HW Heater/Tank Replc.				8,000					8,000		16,000						(16,000)
CAY - Arena Chiller Gasket Replacements			15,000								15,000						(15,000)
CAY - Arena Compressor Rebuilds	10,000	5,000	5,000	5,000	5,000	10,000	10,000	5,000	5,000	5,000	65,000						(65,000)
CAY - Arena Floor Scrubber Replc.						12,000					12,000						(12,000)
CAY - Arena HW Heater Replacements				16,000					16,000		32,000						(32,000)
CAY - Structural Inspection				5,000					5,000		10,000						(10,000)
CAY - Arena Concession/Kitchen Equip. Replc.					12,000						12,000						(12,000)
CAY - Outdoor Sign Repl								10,000			10,000						(10,000)
CAY - Refrig Computer Equip Repl			40,000								40,000						(40,000)
CAY - Replace Hand Dryers			18,000								18,000						(18,000)
CAY - Arena Rubber Floor Replacement					100,000						100,000						(100,000)
CAY - Curling Ice Groomer & Cart Replacement	25,000										25,000						(25,000)
CAY - Arena Condenser Drum Replacement			10,000								10,000						(10,000)
CAY - Arena Cond. Water Line Valve Replacement			5,000								5,000						(5,000)
CAY - Arena Glycol Pump & Motor Replacement			10,000								10,000						(10,000)
Total Replacement/State of Good Repair	35,000	5,000	103,000	34,000	117,000	22,000	10,000	15,000	34,000	5,000	380,000						(380,000)
New/Enhanced Service																	
CAY - Ice Resurf. Blade Changer	3,000										3,000						(3,000)
Total New/Enhanced Service	3,000										3,000						(3,000)
Total Cayuga Arena	38,000	5,000	103,000	34,000	117,000	22,000	10,000	15,000	34,000	5,000	383,000						(383,000)
Dunnville Arena																	
Replacement/State of Good Repair																	
DUNN - Arena HW Heater Replc.				16,000					16,000		32,000						(32,000)

Note: (W) Water; (WW) Wastewater; (SS) Storm Sewer; (R) Roads

Haldimand County

2019 to 2028 CAPITAL FORECAST

Division: Arenas

	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	Total Expenditures	Grants Subsidies	External Financing	Development Charges Rsvs Funds	Community Vibrancy Rsvs Fund	Reserves/ Reserve Funds	Debenture Financing
DUNN - Arena Chiller Gasket Replc.			15,000								15,000						(15,000)
DUNN - Arena Compressor Rebuilds	10,000	5,000	5,000	5,000	5,000	10,000	10,000	5,000	5,000	5,000	65,000						(65,000)
DUNN - Ice Resurfacer HW Heater/Tank Replc.				8,000					8,000		16,000						(16,000)
DUNN - Arena Floor Scrubber Replc.	15,000						15,000				30,000						(30,000)
DUNN - Structural Inspection				5,000					5,000		10,000						(10,000)
DUNN - Arena Concession Equip. Replc.					12,000						12,000						(12,000)
DUNN - Outdoor Sign Repl								10,000			10,000						(10,000)
DUNN - Refrig Computer Equip Repl			40,000								40,000						(40,000)
DUNN - Replace Hand Dryers			16,000								16,000						(16,000)
DUNN - Arena Rubber Floor Replacement						100,000					100,000						(100,000)
DUNN - Arena Dehumidification Seal Replacement								5,000			5,000						(5,000)
DUNN - Arena Condenser Drum Replacement			10,000								10,000						(10,000)
DUNN - Arena Cond. Water Line Valve Replacement			5,000								5,000						(5,000)
Total Replacement/State of Good Repair	25,000	5,000	91,000	34,000	17,000	110,000	25,000	20,000	34,000	5,000	366,000						(366,000)
Total Dunnville Arena	25,000	5,000	91,000	34,000	17,000	110,000	25,000	20,000	34,000	5,000	366,000						(366,000)
Total Arenas	635,500	596,000	219,000	182,000	652,000	404,000	773,000	92,000	76,000	72,000	3,701,500						(3,701,500)

Haldimand County

2019 to 2028 CAPITAL FORECAST

Division: Pools

	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	Total Expenditures	Grants Subsidies	External Financing	Development Charges Rsvs Funds	Community Vibrancy Rsvs Fund	Reserves/ Reserve Funds	Debtenture Financing
Pools																	
Caledonia Pool																	
Replacement/State of Good Repair																	
CAL - Pool Heater Replacement						20,000					20,000						(20,000)
CAL - Sandblast & Repaint Pool Bowls				75,000							75,000						(75,000)
CAL - Water Treatment Controllers					6,000						6,000						(6,000)
CAL - Ultraviolet Units		32,000									32,000						(32,000)
CAL-Pool Pump/Motor Replacement					10,000						10,000						(10,000)
CAL - Replace Pool Filter & Sand		15,000				5,000			15,000		35,000						(35,000)
CAL - Splash Pad Controller & Housing					20,000					20,000	40,000						(40,000)
Total Replacement/State of Good Repair		47,000		75,000	36,000	25,000			15,000	20,000	218,000						(218,000)
Total Caledonia Pool		47,000		75,000	36,000	25,000			15,000	20,000	218,000						(218,000)
Hagersville Pool																	
Replacement/State of Good Repair																	
HAG - Sandblast & Repaint Pool Bowls				75,000							75,000						(75,000)
HAG - Pool Change House Replacement						530,000					530,000						(530,000)
HAG - Replace Pool Lines & Deck								150,000			150,000						(150,000)
Total Replacement/State of Good Repair				75,000		530,000		150,000			755,000						(755,000)
Total Hagersville Pool				75,000		530,000		150,000			755,000						(755,000)
Dunnville Pool																	
Replacement/State of Good Repair																	
DUNN - Pool Filter Replacements			25,000								25,000						(25,000)
DUNN - Pool Change House Replacement			530,000								530,000						(530,000)
DUNN - Pool Filter House Replacement			75,000								75,000						(75,000)
DUNN - Sandblast & Repaint Pool Bowls				75,000							75,000						(75,000)
DUNN - Pool Pump/Motor Replacement			5,000								5,000						(5,000)
DUNN - Replace Pool Lines & Deck								150,000			150,000						(150,000)
DUNN - Wading Pool Decommissioning					50,000						50,000						(50,000)
Total Replacement/State of Good Repair			635,000	75,000	50,000			150,000			910,000						(910,000)
Total Dunnville Pool			635,000	75,000	50,000			150,000			910,000						(910,000)
Total Pools		47,000	635,000	225,000	86,000	555,000		300,000	15,000	20,000	1,883,000						(1,883,000)

Haldimand County

2019 to 2028 CAPITAL FORECAST

Division: Library Summary

	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	Total Expenditures	Grants Subsidies	External Financing	Development Charges Rsve Funds	Community Vibrancy Rsve Fund	Reserves/ Reserve Funds	Debtenture Financing	
Library Summary																		
Library Administration																		
Replacement/State of Good Repair																		
Shelving - System-wide	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	50,000							(50,000)
Total Replacement/State of Good Repair	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	50,000							(50,000)
New/Enhanced Service																		
Community Hubs	250,000										250,000							(250,000)
Total New/Enhanced Service	250,000										250,000							(250,000)
Total Library Administration	255,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	300,000							(300,000)
Caledonia Library																		
Replacement/State of Good Repair																		
Carpeting			69,000								69,000							(69,000)
Fireplace Area Furniture			5,000								5,000							(5,000)
Youth Room Renovations		8,000									8,000							(8,000)
HVAC Units (2)	30,000										30,000							(30,000)
Library Materials	45,810	45,810	45,810	45,810	45,810	45,810	45,810	45,810	45,810	45,810	458,100							(458,100)
Tile Floors Replaced			7,500								7,500							(7,500)
Security Camera System - Replacement			17,000							17,000	34,000							(34,000)
Photocopier - Replacement		5,500								5,500	11,000							(11,000)
Refrigerators (2) Staff Room & Meeting Room (Repl)		2,000									2,000							(2,000)
Meeting Room - Tables and Chairs (Repl)							6,000				6,000							(6,000)
Replacement Lighting							41,000				41,000							(41,000)
Caledonia - Window Blind Replacement		12,000									12,000							(12,000)
Public Computer Task Chairs	3,200										3,200							(3,200)
Total Replacement/State of Good Repair	79,010	73,310	144,310	45,810	45,810	45,810	92,810	45,810	45,810	68,310	686,800							(686,800)
New/Enhanced Service																		
Collection Enhancement	2,600	2,600	2,600	2,600	2,600	2,600	2,600	2,600	2,600	2,600	26,000			(23,600)				(2,400)
Total New/Enhanced Service	2,600	2,600	2,600	2,600	2,600	2,600	2,600	2,600	2,600	2,600	26,000			(23,600)				(2,400)
Total Caledonia Library	81,610	75,910	146,910	48,410	48,410	48,410	95,410	48,410	48,410	70,910	712,800			(23,600)				(689,200)
Hagersville Library																		
Replacement/State of Good Repair																		
Library Materials	22,700	22,700	22,700	22,700	22,700	22,700	22,700	22,700	22,700	22,700	227,000							(227,000)
Photocopier - Replacement		2,300								2,300	4,600							(4,600)
Hagersville Library Replacement	52,600	3,448,500									3,501,100			(558,470)				(139,300) (2,803,330)
Total Replacement/State of Good Repair	75,300	3,473,500	22,700	22,700	22,700	22,700	22,700	22,700	22,700	25,000	3,732,700			(558,470)				(370,900) (2,803,330)
New/Enhanced Service																		
Collection Enhancement	2,600	2,600	2,600	2,600	2,600	2,600	2,600	2,600	2,600	2,600	26,000			(23,600)				(2,400)
Total New/Enhanced Service	2,600	2,600	2,600	2,600	2,600	2,600	2,600	2,600	2,600	2,600	26,000			(23,600)				(2,400)
Total Hagersville Library	77,900	3,476,100	25,300	25,300	25,300	25,300	25,300	25,300	25,300	27,600	3,758,700			(582,070)				(373,300) (2,803,330)
Jarvis Library																		

Note: (W) Water; (WW) Wastewater; (SS) Storm Sewer; (R) Roads

Haldimand County

2019 to 2028 CAPITAL FORECAST

Division: Library Summary

	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	Total Expenditures	Grants Subsidies	External Financing	Development Charges Rsvs Funds	Community Vibrancy Rsvs Fund	Reserves/ Reserve Funds	Debtenture Financing
Replacement/State of Good Repair																	
Facility-wide Painting										9,500	9,500						(9,500)
Library Materials	21,600	21,600	21,600	21,600	21,600	21,600	21,600	21,600	21,600	21,600	216,000						(216,000)
Photocopier			2,300								2,300						(2,300)
Patron Seating (Repl)		3,000									3,000						(3,000)
Window Blinds, Facility-wide	7,000										7,000						(7,000)
Roof Replacement and Exterior Repairs	300,000										300,000						(300,000)
HVAC Replacement										15,000	15,000						(15,000)
Total Replacement/State of Good Repair	328,600	24,600	23,900	21,600	21,600	21,600	21,600	21,600	21,600	46,100	552,800						(552,800)
New/Enhanced Service																	
Collection Enhancement	2,600	2,600	2,600	2,600	2,600	2,600	2,600	2,600	2,600	2,600	26,000			(23,600)			(2,400)
Total New/Enhanced Service	2,600	2,600	2,600	2,600	2,600	2,600	2,600	2,600	2,600	2,600	26,000			(23,600)			(2,400)
Total Jarvis Library	331,200	27,200	26,500	24,200	24,200	24,200	24,200	24,200	24,200	48,700	578,800			(23,600)			(555,200)
Cayuga Library																	
Replacement/State of Good Repair																	
Library Materials	19,300	19,300	19,300	19,300	19,300	19,300	19,300	19,300	19,300	19,300	193,000						(193,000)
Photocopier			2,300								2,300						(2,300)
Total Replacement/State of Good Repair	19,300	19,300	21,600	19,300	19,300	19,300	19,300	19,300	19,300	19,300	195,300						(195,300)
New/Enhanced Service																	
Collection Enhancement	2,600	2,600	2,600	2,600	2,600	2,600	2,600	2,600	2,600	2,600	26,000			(23,600)			(2,400)
Total New/Enhanced Service	2,600	2,600	2,600	2,600	2,600	2,600	2,600	2,600	2,600	2,600	26,000			(23,600)			(2,400)
Total Cayuga Library	21,900	21,900	24,200	21,900	21,900	21,900	21,900	21,900	21,900	21,900	221,300			(23,600)			(197,700)
Dunnville Library																	
Replacement/State of Good Repair																	
Networkable Photocopier					3,500						3,500						(3,500)
HVAC Units (4)		80,000									80,000						(80,000)
Library Materials	46,430	46,430	46,430	46,430	46,430	46,430	46,430	46,430	46,430	46,430	464,300						(464,300)
Dunnville Library Elevator Replacement			250,000								250,000						(250,000)
Security Camera System - Replacement			17,000							17,000	34,000						(34,000)
Meeeting Room Tables and Chairs (Repl)							5,200				5,200						(5,200)
Ceiling Repairs		2,800									2,800						(2,800)
Sidewalk Repairs	3,500										3,500						(3,500)
Study Room Repainting	1,100										1,100						(1,100)
Staff Task Chairs	1,500										1,500						(1,500)
Window Caulking and Exterior Window Paint	25,000										25,000						(25,000)
Facility Painting										18,900	18,900						(18,900)
Total Replacement/State of Good Repair	77,530	129,230	313,430	46,430	49,930	46,430	51,630	46,430	46,430	82,330	889,800						(889,800)
New/Enhanced Service																	
Collection Enhancement	2,600	2,600	2,600	2,600	2,600	2,600	2,600	2,600	2,600	2,600	26,000			(23,600)			(2,400)
Total New/Enhanced Service	2,600	2,600	2,600	2,600	2,600	2,600	2,600	2,600	2,600	2,600	26,000			(23,600)			(2,400)

Note: (W) Water; (WW) Wastewater; (SS) Storm Sewer; (R) Roads

Haldimand County

2019 to 2028 CAPITAL FORECAST

Division: Library Summary

	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	Total Expenditures	Grants Subsidies	External Financing	Development Charges Rsvs Funds	Community Vibrancy Rsvs Fund	Reserves/ Reserve Funds	Debt/ Debture Financing
Total Dunnville Library	80,130	131,830	316,030	49,030	52,530	49,030	54,230	49,030	49,030	84,930	915,800			(23,600)		(892,200)	
Selkirk Library																	
Replacement/State of Good Repair																	
Facility-wide Painting							4,000				4,000					(4,000)	
Circulation Counter	10,000										10,000					(10,000)	
Library Materials	19,150	19,150	19,150	19,150	19,150	19,150	19,150	19,150	19,150	19,150	191,500					(191,500)	
Photocopier		2,300								2,300	4,600					(4,600)	
Carpet Replacement	24,500										24,500					(24,500)	
Total Replacement/State of Good Repair	53,650	21,450	19,150	19,150	19,150	19,150	23,150	19,150	19,150	21,450	234,600					(234,600)	
New/Enhanced Service																	
Collection Enhancement	2,600	2,600	2,600	2,600	2,600	2,600	2,600	2,600	2,600	2,600	26,000			(23,600)		(2,400)	
Total New/Enhanced Service	2,600	2,600	2,600	2,600	2,600	2,600	2,600	2,600	2,600	2,600	26,000			(23,600)		(2,400)	
Total Selkirk Library	56,250	24,050	21,750	21,750	21,750	21,750	25,750	21,750	21,750	24,050	260,600			(23,600)		(237,000)	
Total Library Summary	903,990	3,761,990	565,690	195,590	199,090	195,590	251,790	195,590	195,590	283,090	6,748,000			(700,070)		(3,244,600)	(2,803,330)

Haldimand County

2019 to 2028 CAPITAL FORECAST

Division: Community Development & Partnerships

	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	Total Expenditures	Grants Subsidies	External Financing	Development Charges Rsvs Funds	Community Vibrancy Rsvs Fund	Reserves/ Reserve Funds	Debt/ure Financing
Community Development & Partnerships																	
New/Enhanced Service																	
Festival Equipment (Tents, Podium/Spkrs)	3,500										3,500					(3,500)	
Picnic Tables-Additional Stock	2,500	2,500	2,500								7,500					(7,500)	
Computers for Coordinators (5)	14,200										14,200					(14,200)	
Cell Phones (3) - Aquatic and Summer Prog Team	2,400										2,400					(2,400)	
Total New/Enhanced Service	22,600	2,500	2,500								27,600					(27,600)	
Total Community Development & Partnerships	22,600	2,500	2,500								27,600					(27,600)	

Haldimand County

2019 to 2028 CAPITAL FORECAST

Division: Heritage and Culture Summary

	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028							
											Total Expenditures	Grants Subsidies	External Financing	Development Charges Rsvs Funds	Community Vibrancy Rsvs Fund	Reserves/ Reserve Funds	Debtenture Financing
Heritage and Culture Summary																	
Heritage & Culture General																	
Replacement/State of Good Repair																	
General Repairs/Maintenance	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	50,000					(50,000)
Total Replacement/State of Good Repair	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	50,000					(50,000)
Total Heritage & Culture General	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	50,000					(50,000)
Edinburgh Square																	
Replacement/State of Good Repair																	
Flooring - Refinish and Replacement			11,000									11,000					(11,000)
Exterior Painting				16,600								16,600					(16,600)
Stair Riser Replacement			50,000									50,000					(50,000)
Window Replacement				320,000								320,000					(320,000)
Flatbed Scanner	3,200											3,200					(3,200)
Building Cond. Assess. Repairs		20,000										20,000					(20,000)
Total Replacement/State of Good Repair	3,200	20,000	61,000	336,600								420,800					(420,800)
Total Edinburgh Square	3,200	20,000	61,000	336,600								420,800					(420,800)
W. M. Memorial School Museum																	
Replacement/State of Good Repair																	
Painting: Exterior and Shutter Repair						9,500						9,500					(9,500)
Roof Replacement			125,000									125,000					(125,000)
Building Repairs(caulk windows, grading, ventilation)	5,000											5,000					(5,000)
Total Replacement/State of Good Repair	5,000		125,000			9,500						139,500					(139,500)
New/Enhanced Service																	
Washroom Accessibility	40,000											40,000					(40,000)
Interior Lighting Upgrade	2,000											2,000					(2,000)
Install Air Conditioner in Schoolhouse		5,200										5,200					(5,200)
Emergency Water Valve Shut-Off	1,900											1,900					(1,900)
Total New/Enhanced Service	43,900	5,200										49,100					(49,100)
Total W. M. Memorial School Museum	48,900	5,200	125,000			9,500						188,600					(188,600)
Total Heritage and Culture Summary	57,100	30,200	191,000	341,600	5,000	14,500	5,000	5,000	5,000	5,000	5,000	659,400					(659,400)

Haldimand County

2019 to 2028 CAPITAL FORECAST

Division: Community Halls Partnership Program

	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	Total Expenditures	Grants Subsidies	External Financing	Development Charges Rsvs Funds	Community Vibrancy Rsvs Fund	Reserves/ Reserve Funds	Debt/ Debture Financing
Community Halls Partnership Program																	
Replacement/State of Good Repair																	
Comm. Centres - Roofing Repairs	21,600	124,260	22,700	22,700	22,700	22,700	57,800	30,000	30,000	30,000	384,460						(384,460)
Comm. Centres- Asbestos Mgmt	9,200	15,200	150,800								175,200						(175,200)
Comm. Centres - HVAC Replacements	40,000	10,000	160,000		20,000		20,000			125,000	375,000						(375,000)
Hald Agri CC -Cistern Repl/Fndtn Repr																	
Comm. Centres - Emergency Capital Repairs	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	20,000	200,000						(200,000)
Hagersville CC- Repl S & W Exit Stairs	60,000										60,000						(60,000)
Cayuga Kins. CC - Parking Lot Repl.		210,000									210,000						(210,000)
Cheapside C C - Replace Floor Joists			47,300								47,300						(47,300)
Hagersville CC - Brick Repointing		75,000									75,000						(75,000)
Selkirk CC - Elevator Replac.	250,000										250,000						(250,000)
Jarvis CC - Upgrade Vent Hoods & Suppression Syster								100,000			100,000						(100,000)
Caledonia Lions CC - Condensation Repairs	20,000										20,000						(20,000)
Oneida Shippey CC - Lighting & Ceiling Replacement	25,000										25,000						(25,000)
Jarvis CC - Insulation & Exterior Door Replacement	50,000										50,000						(50,000)
Jarvis CC - Lighting Replacement		60,000									60,000						(60,000)
Nanticoke CC - Front Door Repair	5,000										5,000						(5,000)
Fisherville Lions CC - Washroom Stack Redesign	5,000										5,000						(5,000)
Dunnville Lifespan CC - Roof Repairs	20,000										20,000						(20,000)
Cayuga Senior CC - Water Damage Repairs	10,000										10,000						(10,000)
York CC - Window & Siding Replacement	25,000										25,000						(25,000)
Canborough CC Roof Replacement	100,000										100,000						(100,000)
Rainham CC - Roof/Siding Replacement		150,000									150,000						(150,000)
Hagersville CC - Condensation Repr		20,000									20,000						(20,000)
Total Replacement/State of Good Repair	660,800	684,460	400,800	42,700	62,700	42,700	97,800	150,000	175,000	50,000	2,366,960						(2,366,960)
Total Community Halls Partnership Program	660,800	684,460	400,800	42,700	62,700	42,700	97,800	150,000	175,000	50,000	2,366,960						(2,366,960)

Haldimand County

2019 to 2028 CAPITAL FORECAST

Division: Community Partnership Program

	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	Total Expenditures	Grants Subsidies	External Financing	Development Charges Rsvs Funds	Community Vibrancy Rsvs Fund	Reserves/ Reserve Funds	Debenture Financing
Community Partnership Capital Projects																	
New/Enhanced Service																	
Annual Community Partnership Capital Projects	150,000	150,000	150,000	150,000	150,000	150,000	150,000	150,000	150,000	150,000	1,500,000					(1,500,000)	
Total New/Enhanced Service	150,000	150,000	150,000	150,000	150,000	150,000	150,000	150,000	150,000	150,000	1,500,000					(1,500,000)	
Total Community Partnership Capital Projects	150,000	150,000	150,000	150,000	150,000	150,000	150,000	150,000	150,000	150,000	1,500,000					(1,500,000)	



PLANNING AND DEVELOPMENT SERVICES



Haldimand County

2019 to 2028 CAPITAL FORECAST

Division: Planning and Development

	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028		Grants Subsidies	External Financing	Development Charges Rsve Funds	Community Vibrancy Rsve Funds	Reserve/ Reserve Funds	Debenture Financing
Planning and Development											Total Expenditures						
Tree Conservation & Reforestation	550,000	550,000	550,000	550,000	450,000	450,000	450,000	450,000	450,000	450,000	4,900,000		(38,480)			(4,861,520)	
Planning and Development Division	475,000	14,000	50,000	150,000	105,000	70,000	14,000	25,000	150,000	30,000	1,083,000			(650,250)		(432,750)	
Economic Development/Tourism	6,400	281,400	12,400	26,400	6,400	6,400	6,400	6,400	71,400	98,400	522,000		(34,000)	(70,000)		(418,000)	
Total Planning and Development	1,031,400	845,400	612,400	726,400	561,400	526,400	470,400	481,400	671,400	578,400	6,505,000		(72,480)	(720,250)		(5,712,270)	

Haldimand County

2019 to 2028 CAPITAL FORECAST

Division: Tree Conservation & Reforestation

	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	Total Expenditures	Grants Subsidies	External Financing	Development Charges Rsvs Funds	Community Vibrancy Rsvs Fund	Reserves/ Reserve Funds	Debt/ure Financing
Tree Conservation																	
Replacement/State of Good Repair																	
ROADSIDE - Remove & Replace Trees	300,000	300,000	300,000	300,000	300,000	300,000	300,000	300,000	300,000	300,000	3,000,000		(38,480)			(2,961,520)	
GEN CEM - Remove & Replace Trees	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	500,000					(500,000)	
GEN PARK - Remove & Replace Trees	200,000	200,000	200,000	200,000	100,000	100,000	100,000	100,000	100,000	100,000	1,400,000					(1,400,000)	
Total Replacement/State of Good Repair	550,000	550,000	550,000	550,000	450,000	450,000	450,000	450,000	450,000	450,000	4,900,000		(38,480)			(4,861,520)	
Total Tree Conservation	550,000	550,000	550,000	550,000	450,000	450,000	450,000	450,000	450,000	450,000	4,900,000		(38,480)			(4,861,520)	

Haldimand County

2019 to 2028 CAPITAL FORECAST

Division: Planning and Development Division

	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	Total Expenditures	Grants Subsidies	External Financing	Development Charges Rsvs Funds	Community Vibrancy Rsvs Fund	Reserves/ Reserve Funds	Debt/ure Financing
Planning & Development Division																	
Replacement/State of Good Repair																	
Aerial Photography Update		14,000					14,000				28,000						(28,000)
OP 5 yr. Review & Places to Grow Update (2017-\$200,	475,000					70,000					545,000			(356,250)			(188,750)
Zoning By-Law Update					75,000						75,000						(75,000)
Archaeological Master Plan				150,000							150,000			(37,500)			(112,500)
Total Replacement/State of Good Repair	475,000	14,000		150,000	75,000	70,000	14,000				798,000			(393,750)			(404,250)
New/Enhanced Service																	
Population & Employment Forecast Update					30,000					30,000	60,000			(54,000)			(6,000)
Dev. Study-Lakeshore Area & Urban Dow'tns			50,000					25,000			75,000			(67,500)			(7,500)
Dunv Sec Plan Implementation-Special Policy Area									150,000		150,000			(135,000)			(15,000)
Total New/Enhanced Service			50,000		30,000			25,000	150,000	30,000	285,000			(256,500)			(28,500)
Total Planning & Development Division	475,000	14,000	50,000	150,000	105,000	70,000	14,000	25,000	150,000	30,000	1,083,000			(650,250)			(432,750)

Haldimand County

2019 to 2028 CAPITAL FORECAST

Division: Economic Development/Tourism Division

	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	Total Expenditures	Grants Subsidies	External Financing	Development Charges Rsvs Funds	Community Vibrancy Rsvs Fund	Reserves/ Reserve Funds	Debt/ure Financing
Economic Development/Tourism Division																	
Tourism																	
Replacement/State of Good Repair																	
Promotional & Directional Sign Repl.		40,000	6,000	20,000					40,000	54,000	160,000						(160,000)
Tourism Product Development - Cycling		60,000							25,000	38,000	123,000						(123,000)
Total Replacement/State of Good Repair		100,000	6,000	20,000					65,000	92,000	283,000						(283,000)
Total Tourism		100,000	6,000	20,000					65,000	92,000	283,000						(283,000)
Economic Development Admin																	
New/Enhanced Service																	
Tourism Partnership Signage Program	6,400	6,400	6,400	6,400	6,400	6,400	6,400	6,400	6,400	6,400	64,000		(34,000)				(30,000)
Business Park Development - North Caledonia		175,000									175,000			(70,000)			(105,000)
Total New/Enhanced Service	6,400	181,400	6,400	6,400	6,400	6,400	6,400	6,400	6,400	6,400	239,000		(34,000)	(70,000)			(135,000)
Total Economic Development Admin	6,400	181,400	6,400	6,400	6,400	6,400	6,400	6,400	6,400	6,400	239,000		(34,000)	(70,000)			(135,000)
Total Economic Development/Tourism Division	6,400	281,400	12,400	26,400	6,400	6,400	6,400	6,400	71,400	98,400	522,000		(34,000)	(70,000)			(418,000)



APPENDICES



**HALDIMAND COUNTY
2019 DRAFT CAPITAL BUDGET AND FORECAST
CAPITAL FINANCING PRINCIPLES**

Principles Source	Sub-category	Principle
External Sources	External Financing - Donation/Contributions	Municipal Drains based on legislative assessment. Partnership with community groups based on Community Partnership Framework for new service/enhanced infrastructure projects, or acceleration of replacement of infrastructure.
	External Financing - Donation towards Decorative Streetlights	Upgrades from standard to decorative streetlights will be funded by BIA or community group, based on \$650/light.
	External Financing - Municipal Recoveries	Based on agreed cost sharing principles.
Grants	Allocation of Federal Gas Tax Funds	Allocate 50/50 between water/wastewater and tax supported capital projects. Apply to incremental projects, new/enhanced services. Gas Tax will be used in order to avoid debt financing. Need to ensure the project meets eligibility requirements for Gas Tax funding.
	Ontario Community Infrastructure Fund - formula component	As the intention of this program is to assist municipalities in funding critical projects identified within their Asset Management Plans in the eligible "core infrastructure" areas, and as the County's current Asset Management Plan (AMP) identifies funding needs within the core infrastructure areas of Roads, Bridges, and Water, with the largest infrastructure deficit shown within the roads program, this funding will be utilized within the roads program for 2015. Future year's allocations will be assigned to eligible capital projects through the annual capital budget review process.
	Clean Water and Wastewater Fund	To be utilized for acceleration of the rehabilitation and modernization of drinking water, wastewater and stormwater infrastructure; to foster economic growth and support a cleaner and healthier environment for communities; to improve the reliability of drinking water, wastewater and stormwater systems and meet federal or provincial regulations, standards or guidelines.
	Other Grants	As available based on eligibility of funds
County Reserves/Reserve Funds	Capital Replacement Reserves/Reserve Funds	Capital Replacement Reserves/Reserve Funds will have a positive balance at the end of the 10 year forecast. Interim financing during the forecast will not exceed 25% of annual contributions in any given year. All projects requiring interim financing will have interest charges applied to the capital project.
	Land Sales Reserve	To be utilized for to provide a source of funds for land purchases, building construction or major capital improvements to County-owned buildings.
	Parkland Dedication Reserve fund	To be utilized for to provide a source of funds for acquisition and development of public parks, recreation facilities and trails.
	Development Charge Reserve Funds	Development Charges reserve funds will remain positive in aggregate over the 10 year forecast.
Debt Financing	County Debt Portion	Annual debt repayments will not exceed 10% of own source revenues. Debt will only be applied to projects under the following principles: Gross Project Costs < \$1 million: Not eligible for debt Gross Project Costs between \$1 Million and \$10 Million : Debt financed for a period of 10 years. Gross Project Costs > \$10 million and asset life >20 years: Debt financed for a period of 20 years. Engineering components less than 25% of project cost, if initiated more than 2 years before construction, will not be eligible for debt financing.
	DC Debt (growth related debt)	DC debt will be applied under the following circumstances: - projects where issuing debt for County share of project, and development charges funding is applicable, DC debt will be considered if insufficient development charges receipts are available. - if the DCRF results in a negative balance, a review of significant DC funded projects will occur to review for potential DC debt issuance

Application of Funding Sources for Specific Capital Projects	
Nature of Project	Hierarchy of Funding Source
Replacements/SOGR	External Revenues Applicable Grants Development Charges (if applicable) Specific Capital Replacement Reserve/Reserve Funds Debt Financing
New Initiatives/Enhancements	External Revenues Applicable Grants Development Charges (if applicable) Specific Capital Replacement Reserve/Reserve Funds Debt Financing

ANNUAL DEBT PAYMENTS BY PROJECT - EXISTING

TAX SUPPORTED													
<u>Project</u>	<u>By/Law #</u>	<u>Payee</u>	<u>Pmt Method</u>	<u>date of issue</u>	<u>Original Principal</u>	<u>Current Interest rate</u>	<u>Annual Principal Payments (average)</u>	<u>Outstanding Principal (as at December 31, 2018)</u>	<u>2019 Annual Payments</u>	<u>offsetting funding</u>	<u>Net County Responsibility</u>	<u>Outstanding Principal (as at December 31, 2019)</u>	<u>Maturity</u>
Lowbanks - Firehall and Community Centre	1392/13	IO	PAD	October 1, 2013	\$898,500	3.36%	\$89,850	\$449,250	\$104,188	0	\$104,188	\$359,400	2023
Cayuga Fire Station	1711/16	IO	PAD	October 3, 2016	\$1,502,800	2.07%	\$150,280	\$1,202,240	\$174,387	(119,453)	\$54,934	\$1,051,960	2026
Hagersville Fire Station	1711/16	IO	PAD	October 3, 2016	\$1,747,700	2.07%	\$174,770	\$1,398,160	\$202,805	(27,084)	\$175,721	\$1,223,390	2026
South Haldimand Fire Station	1711/16	IO	PAD	October 3, 2016	\$1,236,300	2.07%	\$123,630	\$989,040	\$143,462	(46,904)	\$96,558	\$865,410	2026
Cayuga EMS Station	1711/16	IO	PAD	October 3, 2016	\$512,900	2.07%	\$51,290	\$410,320	\$59,517	(8,877)	\$50,640	\$359,030	2026
Hagersville EMS Station	1711/16	IO	PAD	October 3, 2016	\$710,400	2.07%	\$71,040	\$568,320	\$82,436	(11,059)	\$71,377	\$497,280	2026
Grandview	824/07	IO	PAD	July 16, 2007	\$17,000,000	5.27%	\$850,000	\$7,650,000	\$1,242,048	(483,552)	\$758,496	\$6,800,000	2027
Grandview - New Debt	1393/13	IO	PAD	October 1, 2013	\$1,686,000	3.82%	\$112,453	\$1,124,534	\$154,334	\$0	\$154,334	\$1,012,080	2028
HCCC - Balloon & New Debt	1392/13	IO	PAD	October 1, 2013	\$3,658,000	3.36%	\$365,800	\$1,829,000	\$424,173	(173,911)	\$250,262	\$1,463,200	2023
Cayuga Arena	1394/13	IO	PAD	October 1, 2013	\$6,620,400	4.11%	\$331,020	\$4,965,300	\$531,683	(282,145)	\$249,539	\$4,634,280	2033
Dunnville Arena	1394/13	IO	PAD	October 1, 2013	\$7,656,900	4.11%	\$382,845	\$5,742,675	\$614,924	(185,130)	\$429,794	\$5,359,830	2033
Dunnville Library	1829/17	CDS	PAD	July 5, 2017	\$864,700	1.30%	\$86,470	\$783,994	\$96,323	(96,323)	\$0	\$702,306	2027
Caledonia Lions Hall	1711/16	IO	PAD	October 3, 2016	\$1,653,000	2.07%	\$165,300	\$1,322,400	\$191,816	0	\$191,816	\$1,157,100	2026
Total Tax Supported									\$28,435,232	\$4,022,096	\$ (1,434,438)	\$2,587,659	\$25,485,266

RATE SUPPORTED WATER AND WASTEWATER													
<u>Project</u>	<u>By/Law #</u>	<u>Payee</u>	<u>Pmt Method</u>	<u>date of issue</u>	<u>Original Principal</u>	<u>Current Interest rate</u>	<u>Annual Principal Payments (average)</u>	<u>Outstanding Principal (as at December 31, 2018)</u>	<u>2019 Annual Payments</u>	<u>offsetting funding</u>	<u>Net County Responsibility</u>	<u>Outstanding Principal (as at December 31, 2019)</u>	<u>Maturity</u>
Water projects													
Cast Iron Watermain - Orkney Street, Caledonia	CMHC Loans	CMHC	PAD	October 1, 2010	\$228,000	2.87%	\$22,800	\$50,901	\$26,552		\$26,552	\$25,811	2020
Caithness Street - Argyle to McClung, Caledonia	1392/13	IO	PAD	October 1, 2013	\$789,900	3.36%	\$78,990	\$394,950	\$91,595		\$91,595	\$315,960	2023
Jarvis Watermain Replacement	1829/17	CDS	PAD	July 5, 2017	\$2,250,000	1.30%	\$225,000	\$2,039,998	\$250,639	(62,660)	\$187,979	\$1,827,441	2027
Cast Iron Watermain - Dunnville	CMHC Loans	CMHC	PAD	October 1, 2010	\$1,109,900	2.87%	\$110,900	\$247,586	\$129,148		\$129,148	\$125,544	2020
Nanticoke Electrical Servicing Upgrades	1829/17	CDS	PAD	July 5, 2017	\$100,000	1.30%	\$10,000	\$90,667	\$11,140	(11,140)	\$0	\$81,220	2027
Nanticoke Filter Building Expansion	1829/17	CDS	PAD	July 5, 2017	\$1,704,400	1.30%	\$170,440	\$1,545,321	\$189,862	(47,465)	\$142,396	\$1,384,307	2027
Nanticoke High Rate Sedimentation Capacity Expansion	1829/17	CDS	PAD	July 5, 2017	\$1,337,400	1.30%	\$133,740	\$1,212,575	\$148,980	(37,239)	\$111,740	\$1,086,231	2027
Nanticoke Water System Filter Replacement	1829/17	CDS	PAD	July 5, 2017	\$2,340,900	1.30%	\$234,090	\$2,122,413	\$260,765	(260,765)	\$0	\$1,901,269	2027
Nanticoke Water Treatment Process	1829/17	CDS	PAD	July 5, 2017	\$2,983,200	1.30%	\$298,320	\$2,704,765	\$332,314	(83,078)	\$249,235	\$2,422,943	2027
Wastewater Projects													
Caithness Street - Argyle to McClung	1392/13	IO	PAD	October 1, 2013	\$502,800	3.36%	\$50,280	\$251,400	\$58,304		\$58,304	\$201,120	2023
Caledonia Water Pollution Control Upgrade Balloon	1392/13	IO	PAD	October 1, 2013	\$3,024,000	3.36%	\$302,400	\$1,512,000	\$350,656	(227,926)	\$122,730	\$1,209,600	2023
Caledonia WWTP Upgrades	1829/17	CDS	PAD	July 5, 2017	\$628,700	1.30%	\$62,870	\$570,021	\$70,034	(70,034)	\$0	\$510,628	2027
Upgrade WTP - Hagersville	CMHC Loans	CMHC	PAD	October 1, 2010	\$3,146,000	2.87%	\$314,600	\$702,350	\$366,365	(162,000)	\$204,365	\$356,143	2020
Jarvis Lagoon Upgrades	1829/17	CDS	PAD	July 5, 2017	\$122,700	1.30%	\$12,270	\$111,248	\$13,668	(13,668)	\$0	\$99,656	2027
Upgrade WTP - Cayuga	CMHC Loans	CMHC	PAD	October 1, 2010	\$2,404,300	2.87%	\$240,430	\$536,764	\$279,991		\$279,991	\$272,179	2020
Total Rate Supported Water and Wastewater									\$14,092,958	\$2,580,010	\$ (975,976)	\$1,604,034	\$11,820,052

Total Debt:

\$42,528,191	\$6,602,106	\$ (2,410,414)	\$4,191,693	\$37,305,318
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HALDIMAND COUNTY

SUMMARY OF FORECASTED CAPITAL RESERVE BALANCES
FOR THE YEARS 2019 TO 2028

	2018 Projected	2019 Forecast	2020 Forecast	2021 Forecast	2022 Forecast	2023 Forecast	2024 Forecast	2025 Forecast	2026 Forecast	2027 Forecast	2028 Forecast
	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$
CRR - Ambulance	254,529	237,199	288,659	344,649	502,759	343,079	238,209	313,239	393,269	473,399	738,729
CRR - Community Halls	122,809	(3,791)	(138,051)	(73,051)	199,249	451,549	723,849	941,049	1,106,049	1,246,049	1,511,049
CRR - Fire Fleet	1,951,352	2,489,512	2,686,722	3,308,772	3,365,962	3,251,092	3,204,472	3,703,922	4,239,762	3,232,322	3,121,932
CRR - General	6,291,040	3,535,440	2,992,130	2,290,170	1,662,910	1,486,390	1,470,090	948,320	589,230	1,659,040	2,860,500
CRR - Information Technology	783,576	777,966	847,846	1,315,596	1,767,306	2,272,406	2,679,876	2,679,856	3,225,846	3,610,046	4,022,156
CRR - Other Fleet	1,752,711	1,492,021	1,412,661	1,198,791	1,207,461	1,205,681	1,159,561	1,031,411	1,256,551	1,344,841	786,751
CRR - Roads Equipment	1,426,749	1,279,989	623,919	1,253,859	2,233,399	2,072,979	2,401,599	3,617,219	4,482,659	5,104,899	3,420,019
CRR - Roads Infrastructure	11,841,777	9,899,007	13,297,627	15,822,577	13,551,087	12,717,357	14,251,567	13,270,347	12,858,188	14,088,129	14,839,300
CRR - Storm Sewer	1,312,125	347,175	279,205	222,275	351,605	492,425	644,965	809,455	986,135	1,175,245	1,377,035
Community Partnership Capital Program Reserve	1,907	1,907	1,907	1,907	1,907	1,907	1,907	1,907	1,907	1,907	1,907
Roads Development Reserve	679,642	679,642	679,642	679,642	679,642	679,642	679,642	679,642	679,642	679,642	679,642
Roads Rehabilitation Reserve	134,223	134,223	134,223	134,220	134,220	134,220	0	0	0	0	0
Library Reserve Fund	157,732	114,982	115,232	382	135,632	267,382	402,632	481,682	616,932	752,182	799,932
Parkland Dedication Reserve Fund	578,341	602,033	632,725	663,417	694,109	724,802	755,494	656,186	286,878	317,570	348,262
Drain Fund	123,471	129,186	151,791	172,326	110,986	67,416	86,196	93,416	97,906	73,996	79,806
Waste Management Reserve Fund	351,480	503,920	672,890	844,180	923,930	1,028,210	1,125,680	1,324,130	1,524,060	1,726,920	1,933,020
Land Sales Reserve	1,938,231	1,938,231	1,938,231	1,938,231	1,938,231	1,938,231	1,938,231	1,938,231	1,938,231	1,938,231	1,938,231
La Fortune Reserve Fund	146,113	146,113	146,113	146,113	146,113	146,113	146,113	146,113	146,113	146,113	146,113
Harvard Plane Reserve Fund	34,679	33,479	32,279	31,079	29,879	28,679	27,479	26,279	25,079	23,879	22,679
Sub-total	29,882,488	24,338,235	26,795,752	30,295,136	29,636,388	29,309,560	31,937,562	32,662,404	34,454,437	37,594,410	38,627,064
Federal Gas Tax Revenue Reserve Fund	2,482,392	2,273,932	1,926,482	(1,364,049)	(1,367,880)	(1,309,521)	(1,364,482)	(681,573)	(1,475,554)	(1,388,005)	45,444
OCIF Funding	19,467	1,639,777	1,707,657	1,620,977	1,620,977	1,620,977	667	667	667	667	667
Community Vibrancy Reserve Fund (Appendix D)	(12,223,809)	(11,208,757)	(10,430,123)	(9,400,715)	(8,328,978)	(7,207,007)	(6,034,867)	(4,814,657)	(3,545,542)	(2,225,662)	(853,101)
Total Tax Supported DCRF's (Appendix E)	1,951,861	2,334,554	2,988,435	3,316,902	2,719,850	2,160,215	2,158,051	2,241,566	2,067,562	2,732,648	3,711,694
TOTAL TAX SUPPORTED CAPITAL RES/RFS	22,112,398	19,377,741	22,988,203	24,468,250	24,280,358	24,574,225	26,696,932	29,408,408	31,501,570	36,714,059	41,531,768
Hydro Legacy Fund	80,214,724										
Growing Communities Reserve Fund	750,000										

Note - 2018 estimates assume full commitment of active projects and interest earnings to June 30, 2018.
Excludes Tax Supported Operating Reserves

HALDIMAND COUNTY

**FORECAST OF CRR-AMBULANCE
FOR THE YEARS 2019 TO 2028**

	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$
Opening Balance January 1st	414,518	254,529	237,199	288,659	344,649	502,759	343,079	238,209	313,239	393,269	473,399
Source of Funds:											
Budgeted Contribution	181,360	217,670	222,020	226,460	230,990	235,610	240,320	245,130	250,030	255,030	260,130
Additional Contribution Required for New Initiative Projects Identified in Appendix G	12,000	0	0	0	0	0	0	0	0	0	0
Allocation of Additional Contribution	0	0	4,440	4,530	4,620	4,710	4,810	4,900	5,000	5,100	5,200
Total Source of Funds	193,360	217,670	226,460	230,990	235,610	240,320	245,130	250,030	255,030	260,130	265,330
Use of Funds:											
Commitment for Active Projects	353,349										
Contribution to State of Good Repair Projects		175,000	175,000	175,000	55,000	400,000	350,000	175,000	175,000	180,000	0
Contribution to New Initiatives/Enhanced Service Projects		60,000	0	0	22,500	0	0	0	0	0	0
Total Use of Funds	353,349	235,000	175,000	175,000	77,500	400,000	350,000	175,000	175,000	180,000	0
Closing Balance December 31st	254,529	237,199	288,659	344,649	502,759	343,079	238,209	313,239	393,269	473,399	738,729

HALDIMAND COUNTY

**FORECAST OF CRR - COMMUNITY HALLS
FOR THE YEARS 2019 TO 2028**

	<u>2018</u>	<u>2019</u>	<u>2020</u>	<u>2021</u>	<u>2022</u>	<u>2023</u>	<u>2024</u>	<u>2025</u>	<u>2026</u>	<u>2027</u>	<u>2028</u>
	\$	\$	\$	\$	\$	\$	\$	\$	\$		
Opening Balance January 1st	291,644	122,809	(3,791)	(138,051)	(73,051)	199,249	451,549	723,849	941,049	1,106,049	1,246,049
Source of Funds:											
Budgeted Contribution	75,000	75,000	75,000	75,000	75,000	75,000	75,000	75,000	75,000	75,000	75,000
Additional Contribution	200,000	450,000	460,000	240,000	240,000	240,000	240,000	240,000	240,000	240,000	240,000
Total Source of Funds	275,000	525,000	535,000	315,000	315,000	315,000	315,000	315,000	315,000	315,000	315,000
Use of Funds:											
Commitment for Active Projects	443,835										
Contribution to State of Good Repair Projects		651,600	669,260	250,000	42,700	62,700	42,700	97,800	150,000	175,000	50,000
Contribution to New Initiatives/Enhanced Service Projects											
Total Use of Funds	443,835	651,600	669,260	250,000	42,700	62,700	42,700	97,800	150,000	175,000	50,000
Closing Balance December 31st	122,809	(3,791)	(138,051)	(73,051)	199,249	451,549	723,849	941,049	1,106,049	1,246,049	1,511,049

HALDIMAND COUNTY

**FORECAST OF CRR-FIRE FLEET
FOR THE YEARS 2019 TO 2028**

	<u>2018</u>	<u>2019</u>	<u>2020</u>	<u>2021</u>	<u>2022</u>	<u>2023</u>	<u>2024</u>	<u>2025</u>	<u>2026</u>	<u>2027</u>	<u>2028</u>
	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$
Opening Balance January 1st	2,195,530	1,951,352	2,489,512	2,686,722	3,308,772	3,365,962	3,251,092	3,204,472	3,703,922	4,239,762	3,232,322
Source of Funds:											
Budgeted Contribution	623,880	727,660	727,660	742,210	757,050	772,190	787,630	803,380	819,450	835,840	852,560
Additional Contribution Required for New Initiative Projects Identified in Appendix G											
Allocation of Additional Contribution	2,956	0	14,550	14,840	15,140	15,440	15,750	16,070	16,390	16,720	17,050
Total Source of Funds	626,836	727,660	742,210	757,050	772,190	787,630	803,380	819,450	835,840	852,560	869,610
Use of Funds:											
Commitment for Active Projects	871,014										
Contribution to State of Good Repair Projects		189,500	545,000	135,000	715,000	902,500	850,000	320,000	300,000	1,860,000	980,000
Contribution to New Initiatives/Enhanced Service Projects											
Total Use of Funds	871,014	189,500	545,000	135,000	715,000	902,500	850,000	320,000	300,000	1,860,000	980,000
Closing Balance December 31st	1,951,352	2,489,512	2,686,722	3,308,772	3,365,962	3,251,092	3,204,472	3,703,922	4,239,762	3,232,322	3,121,932

HALDIMAND COUNTY

FORECAST OF CAPITAL REPLACEMENT RESERVE - GENERAL
FOR THE YEARS 2019 TO 2028

	<u>2018</u>	<u>2019</u>	<u>2020</u>	<u>2021</u>	<u>2022</u>	<u>2023</u>	<u>2024</u>	<u>2025</u>	<u>2026</u>	<u>2027</u>	<u>2028</u>
	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$
Opening Balance January 1st	8,943,028	6,291,040	3,535,440	2,992,130	2,290,170	1,662,910	1,486,390	1,470,090	948,320	589,230	1,659,040
Source of Funds:											
Budgeted Contribution	2,085,820	2,236,220	2,236,220	2,236,220	2,236,220	2,236,220	2,236,220	2,236,220	2,236,220	2,236,220	2,236,220
Additional Contribution Required for New Initiative Projects Identified in Appendix G	400	0	0	0	0	0	0	0	0	0	0
Allocation of Additional Contribution	150,000	150,000	150,000	150,000	150,000	150,000	150,000	150,000	150,000	150,000	150,000
Other Contributions from Operations											
Total Source of Funds	<u>2,236,220</u>	<u>2,386,220</u>	<u>2,386,220</u>	<u>2,386,220</u>	<u>2,386,220</u>	<u>2,386,220</u>	<u>2,386,220</u>	<u>2,386,220</u>	<u>2,386,220</u>	<u>2,386,220</u>	<u>2,386,220</u>
Use of Funds:											
Commitment for Active Projects	4,888,208										
Contribution to State of Good Repair Projects		3,913,420	2,392,430	2,863,030	2,778,280	2,413,540	2,282,320	2,778,990	1,612,410	1,192,410	1,118,760
Contribution to New Initiatives/Enhanced Service Projects		1,228,400	537,100	225,150	235,200	149,200	120,200	129,000	1,132,900	124,000	66,000
Total Use of Funds	<u>4,888,208</u>	<u>5,141,820</u>	<u>2,929,530</u>	<u>3,088,180</u>	<u>3,013,480</u>	<u>2,562,740</u>	<u>2,402,520</u>	<u>2,907,990</u>	<u>2,745,310</u>	<u>1,316,410</u>	<u>1,184,760</u>
Closing Balance December 31st	<u>6,291,040</u>	<u>3,535,440</u>	<u>2,992,130</u>	<u>2,290,170</u>	<u>1,662,910</u>	<u>1,486,390</u>	<u>1,470,090</u>	<u>948,320</u>	<u>589,230</u>	<u>1,659,040</u>	<u>2,860,500</u>

HALDIMAND COUNTY

**FORECAST OF CRR-INFORMATION TECHNOLOGY
FOR THE YEARS 2019 TO 2028**

	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$
Opening Balance January 1st	1,192,716	783,576	777,966	847,846	1,315,596	1,767,306	2,272,406	2,679,876	2,679,856	3,225,846	3,610,046
Source of Funds:											
Budgeted Contribution	636,720	655,300	668,410	681,780	695,420	709,330	723,520	737,990	752,750	767,810	783,170
Additional Contribution Required for New Initiative Projects Identified in Appendix G	2,280	20,780	20,780	20,780	20,780	20,780	20,780	20,780	20,780	20,780	20,780
Allocation of Additional Contribution	13,865	13,110	13,370	13,640	13,910	14,190	14,470	14,760	15,060	15,360	15,660
Total Source of Funds	652,865	689,190	702,560	716,200	730,110	744,300	758,770	773,530	788,590	803,950	819,610
Use of Funds:											
Commitment for Active Projects	1,062,005										
Contribution to State of Good Repair Projects		585,300	627,680	243,450	273,400	234,200	328,800	768,550	237,600	414,750	402,500
Contribution to New Initiatives/Enhanced Service Projects		109,500	5,000	5,000	5,000	5,000	22,500	5,000	5,000	5,000	5,000
Total Use of Funds	1,062,005	694,800	632,680	248,450	278,400	239,200	351,300	773,550	242,600	419,750	407,500
Closing Balance December 31st	783,576	777,966	847,846	1,315,596	1,767,306	2,272,406	2,679,876	2,679,856	3,225,846	3,610,046	4,022,156

HALDIMAND COUNTY

**FORECAST OF CRR-OTHER FLEET
FOR THE YEARS 2019 TO 2028**

	<u>2018</u>	<u>2019</u>	<u>2020</u>	<u>2021</u>	<u>2022</u>	<u>2023</u>	<u>2024</u>	<u>2025</u>	<u>2026</u>	<u>2027</u>	<u>2028</u>
	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$
Opening Balance January 1st	1,563,401	1,752,711	1,492,021	1,412,661	1,198,791	1,207,461	1,205,681	1,159,561	1,031,411	1,256,551	1,344,841
Source of Funds:											
Budgeted Contribution	259,180	259,180	259,180	264,360	269,650	275,040	280,540	286,150	291,870	297,710	303,660
Additional Contribution Required for New Initiative Projects Identified in Appendix G	11,830	11,630	11,630	11,630	11,630	11,630	11,630	11,630	11,630	11,630	11,630
Allocation of Additional Contribution	0	0	5,180	5,290	5,390	5,500	5,610	5,720	5,840	5,950	6,070
Total Source of Funds	271,010	270,810	275,990	281,280	286,670	292,170	297,780	303,500	309,340	315,290	321,360
Use of Funds:											
Commitment for Active Projects	81,700										
Contribution to State of Good Repair Projects		409,750	355,350	495,150	278,000	293,950	343,900	431,650	84,200	227,000	879,450
Contribution to New Initiatives/Enhanced Service Projects		121,750	0	0	0	0	0	0	0	0	0
Total Use of Funds	81,700	531,500	355,350	495,150	278,000	293,950	343,900	431,650	84,200	227,000	879,450
Closing Balance December 31st	1,752,711	1,492,021	1,412,661	1,198,791	1,207,461	1,205,681	1,159,561	1,031,411	1,256,551	1,344,841	786,751

HALDIMAND COUNTY

**FORECAST OF CRR-ROADS EQUIPMENT
FOR THE YEARS 2019 TO 2028**

	<u>2018</u>	<u>2019</u>	<u>2020</u>	<u>2021</u>	<u>2022</u>	<u>2023</u>	<u>2024</u>	<u>2025</u>	<u>2026</u>	<u>2027</u>	<u>2028</u>
	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$
Opening Balance January 1st	1,953,354	1,426,749	1,279,989	623,919	1,253,859	2,233,399	2,072,979	2,401,599	3,617,219	4,482,659	5,104,899
Source of Funds:											
Budgeted Contribution	1,021,745	1,061,860	1,061,860	1,083,100	1,104,760	1,126,860	1,149,400	1,172,390	1,195,840	1,219,760	1,244,160
Additional Contribution Required for New Initiative Projects Identified in Appendix G	26,580	34,780	34,780	34,780	34,780	34,780	34,780	34,780	34,780	34,780	34,780
Allocation of Additional Contribution	0	0	21,240	21,660	22,100	22,540	22,990	23,450	23,920	24,400	24,880
Total Source of Funds	1,048,325	1,096,640	1,117,880	1,139,540	1,161,640	1,184,180	1,207,170	1,230,620	1,254,540	1,278,940	1,303,820
Use of Funds:											
Commitment for Active Projects	1,574,930										
Contribution to State of Good Repair Projects		780,000	1,723,950	509,600	182,100	1,344,600	878,550	15,000	389,100	656,700	2,988,700
Contribution to New Initiatives/Enhanced Service Projects		463,400	50,000	0	0	0	0	0	0	0	0
Total Use of Funds	1,574,930	1,243,400	1,773,950	509,600	182,100	1,344,600	878,550	15,000	389,100	656,700	2,988,700
Closing Balance December 31st	1,426,749	1,279,989	623,919	1,253,859	2,233,399	2,072,979	2,401,599	3,617,219	4,482,659	5,104,899	3,420,019

HALDIMAND COUNTY

**FORECAST OF CRR-ROADS INFRASTRUCTURE
FOR THE YEARS 2019 TO 2028**

	<u>2018</u>	<u>2019</u>	<u>2020</u>	<u>2021</u>	<u>2022</u>	<u>2023</u>	<u>2024</u>	<u>2025</u>	<u>2026</u>	<u>2027</u>	<u>2028</u>
	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$
Opening Balance January 1st	15,595,849	11,841,777	9,899,007	13,297,627	15,822,577	13,551,087	12,717,357	14,251,567	13,270,347	12,858,188	14,088,129
Source of Funds:											
Budgeted Contribution	8,901,660	9,194,550	9,194,550	9,194,550	9,194,550	9,194,550	9,194,550	9,194,550	9,194,550	9,194,550	9,194,550
Allocation of Additional Contributions	292,890	(130,890)	394,820	(373,490)	58,090	320,530	1,177,430	1,387,120	1,409,081	1,976,061	2,442,111
Total Source of Funds	9,194,550	9,063,660	9,589,370	8,821,060	9,252,640	9,515,080	10,371,980	10,581,670	10,603,631	11,170,611	11,636,661
Use of Funds:											
Commitment for Active Projects	12,948,622										
Contribution to State of Good Repair Projects		9,415,020	4,899,650	5,576,190	10,583,500	9,058,370	8,050,550	11,034,390	9,966,390	9,278,390	10,594,950
Contribution to New Initiatives/Enhanced Service Projects		1,591,410	1,291,100	719,920	940,630	1,290,440	787,220	528,500	1,049,400	662,280	290,540
Total Use of Funds	12,948,622	11,006,430	6,190,750	6,296,110	11,524,130	10,348,810	8,837,770	11,562,890	11,015,790	9,940,670	10,885,490
Closing Balance December 31st	11,841,777	9,899,007	13,297,627	15,822,577	13,551,087	12,717,357	14,251,567	13,270,347	12,858,188	14,088,129	14,839,300

HALDIMAND COUNTY

**FORECAST OF CRR-STORM SEWER
FOR THE YEARS 2019 TO 2028**

	<u>2018</u>	<u>2019</u>	<u>2020</u>	<u>2021</u>	<u>2022</u>	<u>2023</u>	<u>2024</u>	<u>2025</u>	<u>2026</u>	<u>2027</u>	<u>2028</u>
	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$
Opening Balance January 1st	3,150,410	1,312,125	347,175	279,205	222,275	351,605	492,425	644,965	809,455	986,135	1,175,245
Source of Funds:											
Budgeted Contribution	520,200	530,600	541,210	552,030	563,070	574,330	585,820	597,540	609,490	621,680	634,110
Allocation of Additional Contribution	10,400	10,610	10,820	11,040	11,260	11,490	11,720	11,950	12,190	12,430	12,680
Total Source of Funds	530,600	541,210	552,030	563,070	574,330	585,820	597,540	609,490	621,680	634,110	646,790
Use of Funds:											
Commitment for Active Projects	2,368,885										
Contribution to State of Good Repair Projects		1,506,160	620,000	620,000	445,000	445,000	445,000	445,000	445,000	445,000	445,000
Contribution to New Initiatives/Enhanced Service Projects		0	0	0	0	0	0	0	0	0	0
Total Use of Funds	2,368,885	1,506,160	620,000	620,000	445,000	445,000	445,000	445,000	445,000	445,000	445,000
Closing Balance December 31st	1,312,125	347,175	279,205	222,275	351,605	492,425	644,965	809,455	986,135	1,175,245	1,377,035

HALDIMAND COUNTY

**FORECAST OF COMMUNITY PARTNERSHIP CAPITAL PROGRAM RESERVE
FOR THE YEARS 2019 TO 2028**

	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$
Opening Balance January 1st	210,331	1,907	1,907	1,907	1,907	1,907	1,907	1,907	1,907	1,907	1,907
Source of Funds:											
Budgeted Contribution (from CVF until 2023)	150,000	150,000	150,000	150,000	150,000	150,000	150,000	150,000	150,000	150,000	150,000
Total Source of Funds	150,000	150,000	150,000	150,000	150,000	150,000	150,000	150,000	150,000	150,000	150,000
Use of Funds:											
Yearly Placeholder for projects Commitment for Active Projects	358,424	150,000	150,000	150,000	150,000	150,000	150,000	150,000	150,000	150,000	150,000
Contribution to State of Good Repair Projects Contribution to New Initiatives/Enhanced Service Projects											
Total Use of Funds	358,424	150,000	150,000	150,000	150,000	150,000	150,000	150,000	150,000	150,000	150,000
Closing Balance December 31st	1,907	1,907	1,907	1,907	1,907	1,907	1,907	1,907	1,907	1,907	1,907

HALDIMAND COUNTY

**FORECAST OF ROADS DEVELOPMENT RESERVE
FOR THE YEARS 2019 TO 2028**

	<u>2018</u>	<u>2019</u>	<u>2020</u>	<u>2021</u>	<u>2022</u>	<u>2023</u>	<u>2024</u>	<u>2025</u>	<u>2026</u>	<u>2027</u>	<u>2028</u>
	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$
Opening Balance January 1st	947,536	679,642	679,642	679,642	679,642	679,642	679,642	679,642	679,642	679,642	679,642
Source of Funds:											
Budgeted Contribution	0	0	0	0	0	0	0	0	0	0	0
Total Source of Funds	0	0	0	0	0	0	0	0	0	0	0
Use of Funds:											
Commitment for Active Projects	267,894										
Contribution to Accelerated Projects (CAO-01-2012)											
Contribution to State of Good Repair Projects											
Contribution to New Initiatives/Enhanced Service Projects											
Total Use of Funds	267,894	0	0	0	0	0	0	0	0	0	0
Closing Balance December 31st	679,642	679,642	679,642	679,642	679,642	679,642	679,642	679,642	679,642	679,642	679,642

HALDIMAND COUNTY

**FORECAST OF ROADS REHABILITATION RESERVE
FOR THE YEARS 2019 TO 2028**

	<u>2018</u>	<u>2019</u>	<u>2020</u>	<u>2021</u>	<u>2022</u>	<u>2023</u>	<u>2024</u>	<u>2025</u>	<u>2026</u>	<u>2027</u>	<u>2028</u>
	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$
Opening Balance January 1st	134,223	134,223	134,223	134,223	134,220	134,220	134,220	0	0	0	0
Source of Funds:											
Budgeted Contribution											
Total Source of Funds	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
Use of Funds:											
Commitment for Active Projects											
Contribution to State of Good Repair Projects	0	0	0	3	0	0	134,220	0	0	0	0
Contribution to New Initiatives/Enhanced Service Projects											
Total Use of Funds	<u>0</u>	<u>0</u>	<u>0</u>	<u>3</u>	<u>0</u>	<u>0</u>	<u>134,220</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
Closing Balance December 31st	<u>134,223</u>	<u>134,223</u>	<u>134,223</u>	<u>134,220</u>	<u>134,220</u>	<u>134,220</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>

HALDIMAND COUNTY

**FORECAST OF LIBRARY RESERVE FUND
FOR THE YEARS 2019 TO 2028**

	<u>2018</u>	<u>2019</u>	<u>2020</u>	<u>2021</u>	<u>2022</u>	<u>2023</u>	<u>2024</u>	<u>2025</u>	<u>2026</u>	<u>2027</u>	<u>2028</u>
	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$
Opening Balance January 1st	275,137	157,732	114,982	115,232	382	135,632	267,382	402,632	481,682	616,932	752,182
Source of Funds:											
Budgeted Contribution	231,680	316,680	316,680	316,680	316,680	316,680	316,680	316,680	316,680	316,680	316,680
Other Contributions from Operations (Library Materials)											
Allocation of Additional Contribution	85,000	230,000	120,000	120,000	0	0	0	0	0	0	0
Interest Earned	2,765										
Total Source of Funds	319,445	546,680	436,680	436,680	316,680	316,680	316,680	316,680	316,680	316,680	316,680
Use of Funds:											
Commitment for Active Projects	436,850										
Contribution to State of Good Repair Projects		587,990	434,990	550,090	179,990	183,490	179,990	236,190	179,990	179,990	267,490
Contribution to New Initiatives/Enhanced Service Projects		1,440	1,440	1,440	1,440	1,440	1,440	1,440	1,440	1,440	1,440
Total Use of Funds	436,850	589,430	436,430	551,530	181,430	184,930	181,430	237,630	181,430	181,430	268,930
Closing Balance December 31st	157,732	114,982	115,232	382	135,632	267,382	402,632	481,682	616,932	752,182	799,932

HALDIMAND COUNTY

**FORECAST OF PARKLAND DEDICATION RESERVE FUND
FOR THE YEARS 2019 TO 2028**

	<u>2018</u>	<u>2019</u>	<u>2020</u>	<u>2021</u>	<u>2022</u>	<u>2023</u>	<u>2024</u>	<u>2025</u>	<u>2026</u>	<u>2027</u>	<u>2028</u>
	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$
Opening Balance January 1st	753,375	578,341	602,033	632,725	663,417	694,109	724,802	755,494	656,186	286,878	317,570
Source of Funds:											
Budgeted Contribution	32,247	30,692	30,692	30,692	30,692	30,692	30,692	30,692	30,692	30,692	30,692
Interest Earned	6,997										
Total Source of Funds	<u>39,244</u>	<u>30,692</u>	<u>30,692</u>	<u>30,692</u>	<u>30,692</u>	<u>30,692</u>	<u>30,692</u>	<u>30,692</u>	<u>30,692</u>	<u>30,692</u>	<u>30,692</u>
Use of Funds:											
Commitment for Active Projects - Acquisition											
Commitment for Active Projects - Development	214,278										
Contribution to Acquisition											
Contribution to Development of Public Parks, Recreation Facilities and Trails		7,000	0	0	0	0	0	130,000	400,000	0	0
Total Use of Funds	<u>214,278</u>	<u>7,000</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>130,000</u>	<u>400,000</u>	<u>0</u>	<u>0</u>
Closing Balance December 31st	<u>578,341</u>	<u>602,033</u>	<u>632,725</u>	<u>663,417</u>	<u>694,109</u>	<u>724,802</u>	<u>755,494</u>	<u>656,186</u>	<u>286,878</u>	<u>317,570</u>	<u>348,262</u>

HALDIMAND COUNTY

**FORECAST OF DRAIN FUND
FOR THE YEARS 2019 TO 2028**

	<u>2018</u>	<u>2019</u>	<u>2020</u>	<u>2021</u>	<u>2022</u>	<u>2023</u>	<u>2024</u>	<u>2025</u>	<u>2026</u>	<u>2027</u>	<u>2028</u>
	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$
Opening Balance January 1st	335,507	126,276	131,991	154,596	172,326	110,986	67,416	86,196	93,416	97,906	73,996
Source of Funds:											
Contribution from Land Sales											
Budgeted Contributions	45,780	46,700	47,630	48,580	49,550	50,540	51,550	52,580	53,630	54,700	55,790
Allocation of Additional Contribution	920	930	950	970	990	1,010	1,030	1,050	1,070	1,090	1,120
Total Source of Funds	46,700	47,630	48,580	49,550	50,540	51,550	52,580	53,630	54,700	55,790	56,910
Use of Funds:											
Commitment for Active Projects	258,736										
Contribution to State of Good Repair Projects		44,720	28,780	31,820	111,880	95,120	33,800	46,410	50,210	79,700	51,100
Contribution to New Initiatives/Enhanced Service Projects											
Total Use of Funds	258,736	44,720	28,780	31,820	111,880	95,120	33,800	46,410	50,210	79,700	51,100
Closing Balance December 31st	123,471	129,186	151,791	172,326	110,986	67,416	86,196	93,416	97,906	73,996	79,806

HALDIMAND COUNTY

FORECAST OF WASTE MANAGEMENT RESERVE FUND
FOR THE YEARS 2019 TO 2028

	<u>2018</u>	<u>2019</u>	<u>2020</u>	<u>2021</u>	<u>2022</u>	<u>2023</u>	<u>2024</u>	<u>2025</u>	<u>2026</u>	<u>2027</u>	<u>2028</u>
	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$
Opening Balance January 1st	655,036	351,480	503,920	672,890	844,180	923,930	1,028,210	1,125,680	1,324,130	1,524,060	1,726,920
Source of Funds:											
Budgeted Contribution	208,080	212,240	216,480	220,810	225,230	229,730	234,320	239,010	243,790	248,670	248,670
Allocation of Additional Contribution	4,160	4,240	4,330	4,420	4,500	4,590	4,690	4,780	4,880	4,970	4,970
Interest Earned	6,354										
Total Source of Funds	218,594	216,480	220,810	225,230	229,730	234,320	239,010	243,790	248,670	253,640	253,640
Use of Funds:											
Contribution to Operations	17,700	16,740	16,740	16,740	16,740	16,740	16,740	16,740	16,740	16,740	16,740
Commitment for Active Projects	504,450										
Contribution to State of Good Repair Projects		47,300	35,100	37,200	35,340	30,800	43,800	28,600	32,000	34,040	30,800
Contribution to New Initiatives/Enhanced Service Projects		0	0	0	97,900	82,500	81,000	0	0	0	0
Total Use of Funds	522,150	64,040	51,840	53,940	149,980	130,040	141,540	45,340	48,740	50,780	47,540
Closing Balance December 31st	351,480	503,920	672,890	844,180	923,930	1,028,210	1,125,680	1,324,130	1,524,060	1,726,920	1,933,020

HALDIMAND COUNTY

**FORECAST OF LAND SALES RESERVE
FOR THE YEARS 2019 TO 2028**

	<u>2018</u>	<u>2019</u>	<u>2020</u>	<u>2021</u>	<u>2022</u>	<u>2023</u>	<u>2024</u>	<u>2025</u>	<u>2026</u>	<u>2027</u>	<u>2028</u>
	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$
Opening Balance January 1st	1,809,926	1,938,231	1,938,231	1,938,231	1,938,231	1,938,231	1,938,231	1,938,231	1,938,231	1,938,231	1,938,231
<u>Source of Funds:</u>											
Budgeted Contribution	184,420										
Total Source of Funds	<u>184,420</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
<u>Use of Funds:</u>											
Commitment for Active Projects	56,115										
Contribution to State of Good Repair Projects											
Contribution to New Initiatives/Enhanced Service Projects											
Total Use of Funds	<u>56,115</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
Closing Balance December 31st	<u>1,938,231</u>	<u>1,938,231</u>	<u>1,938,231</u>	<u>1,938,231</u>	<u>1,938,231</u>	<u>1,938,231</u>	<u>1,938,231</u>	<u>1,938,231</u>	<u>1,938,231</u>	<u>1,938,231</u>	<u>1,938,231</u>

HALDIMAND COUNTY

**FORECAST OF LA FORTUNE PARK RESERVE FUND
FOR THE YEARS 2019 TO 2028**

	<u>2018</u>	<u>2019</u>	<u>2020</u>	<u>2021</u>	<u>2022</u>	<u>2023</u>	<u>2024</u>	<u>2025</u>	<u>2026</u>	<u>2027</u>	<u>2028</u>
	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$
Opening Balance January 1st	155,293	146,113	146,113	146,113	146,113	146,113	146,113	146,113	146,113	146,113	146,113
Source of Funds:											
La Fortune Park Reserve Fund Proceeds											
Interest Earned	1,430										
Total Source of Funds	<u>1,430</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
Use of Funds:											
Commitment for Active Projects	10,610										
Contribution to State of Good Repair Projects											
Contribution to New Initiatives/Enhanced Service Projects											
Total Use of Funds	<u>10,610</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
Closing Balance December 31st	<u>146,113</u>	<u>146,113</u>	<u>146,113</u>	<u>146,113</u>	<u>146,113</u>	<u>146,113</u>	<u>146,113</u>	<u>146,113</u>	<u>146,113</u>	<u>146,113</u>	<u>146,113</u>

HALDIMAND COUNTY

**FORECAST OF HARVARD PLANE RESERVE FUND
FOR THE YEARS 2019 TO 2028**

	<u>2018</u>	<u>2019</u>	<u>2020</u>	<u>2021</u>	<u>2022</u>	<u>2023</u>	<u>2024</u>	<u>2025</u>	<u>2026</u>	<u>2027</u>	<u>2028</u>
	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$
Opening Balance January 1st	34,950	34,679	33,479	32,279	31,079	29,879	28,679	27,479	26,279	25,079	23,879
Source of Funds:											
Budgeted Contribution											
Total Source of Funds	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
Use of Funds:											
Commitment for Active Projects											
Contribution to Proposed Operation Items	271	1,200	1,200	1,200	1,200	1,200	1,200	1,200	1,200	1,200	1,200
Contribution to Proposed Capital Items											
Total Use of Funds	<u>271</u>	<u>1,200</u>	<u>1,200</u>	<u>1,200</u>	<u>1,200</u>	<u>1,200</u>	<u>1,200</u>	<u>1,200</u>	<u>1,200</u>	<u>1,200</u>	<u>1,200</u>
Closing Balance December 31st	<u>34,679</u>	<u>33,479</u>	<u>32,279</u>	<u>31,079</u>	<u>29,879</u>	<u>28,679</u>	<u>27,479</u>	<u>26,279</u>	<u>25,079</u>	<u>23,879</u>	<u>22,679</u>

HALDIMAND COUNTY

**FORECAST OF FEDERAL GAS TAX REVENUE RESERVE FUND
FOR THE YEARS 2019 TO 2028**

	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$
Opening Balance January 1st	5,773,310	2,482,392	2,273,932	1,926,482	(1,364,049)	(1,367,880)	(1,309,521)	(1,364,482)	(681,573)	(1,475,554)	(1,388,005)
Source of Funds:											
Budgeted Contribution	2,858,687	2,767,150	2,767,150	2,892,929	2,892,929	3,018,709	3,018,709	3,018,709	3,018,709	3,018,709	3,018,709
Interest Earned	53,172										
Total Source of Funds	2,911,859	2,767,150	2,767,150	2,892,929	2,892,929	3,018,709	3,018,709	3,018,709	3,018,709	3,018,709	3,018,709
Use of Funds:											
Commitment for Active Projects	1,467,756										
Contribution to State of Good Repair Projects (Tax Supported)		0	600,000	1,000,000	500,000	0	0	280,000	0	0	0
Contribution to New Initiatives/Enhanced Service Projects (Tax Supported)		2,218,500	1,667,610	1,898,460	1,976,760	796,700	750,600	1,155,600	1,058,040	539,010	85,860
Contribution to New Initiatives/Enhanced Service Projects (Water)				200,000							
Contribution to New Initiatives/Enhanced Service Projects (Wastewater)		19,110	476,990	1,060,000		380,000					
Contribution to State of Good Repair Projects (Water)	4,735,021	378,000	200,000	2,025,000	250,000	1,783,650	1,892,750	900,200	575,250	2,062,750	1,000,000
Contribution to State of Good Repair Projects (Wastewater)		360,000	170,000		170,000		430,320		2,179,400	329,400	499,400
Total Use of Funds	6,202,777	2,975,610	3,114,600	6,183,460	2,896,760	2,960,350	3,073,670	2,335,800	3,812,690	2,931,160	1,585,260
Closing Balance December 31st	2,482,392	2,273,932	1,926,482	(1,364,049)	(1,367,880)	(1,309,521)	(1,364,482)	(681,573)	(1,475,554)	(1,388,005)	45,444

HALDIMAND COUNTY

**FORECAST OF OCIF Funding
FOR THE YEARS 2019 TO 2028**

	<u>2018</u>	<u>2019</u>	<u>2020</u>	<u>2021</u>	<u>2022</u>	<u>2023</u>	<u>2024</u>	<u>2025</u>	<u>2026</u>	<u>2027</u>	<u>2028</u>
	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$
Opening Balance January 1st	345,748	19,467	1,639,777	1,707,657	1,620,977	1,620,977	1,620,977	667	667	667	667
Source of Funds:											
Budgeted Contribution	1,709,877	2,620,310	2,636,630	2,636,630							
Interest Earned	7,772										
Total Source of Funds	1,717,649	2,620,310	2,636,630	2,636,630	0	0	0	0	0	0	0
Use of Funds:											
Commitment for Active Projects	2,043,930										
Contribution to State of Good Repair Projects		1,000,000	2,568,750	2,723,310	0	0	1,620,310	0	0	0	0
Contribution to New Initiatives/Enhanced Service Projects											
Total Use of Funds	2,043,930	1,000,000	2,568,750	2,723,310	0	0	1,620,310	0	0	0	0
Closing Balance December 31st	19,467	1,639,777	1,707,657	1,620,977	1,620,977	1,620,977	667	667	667	667	667

HALDIMAND COUNTY
HYDRO LEGACY FUND FOR THE YEARS 2015-2018

	<u>2015</u>	<u>2016</u>	<u>2017</u>	<u>2018</u>
	\$	\$	\$	\$
Opening Balance January 1st	0	72,633,565	74,561,517	77,497,486
<u>General Hydro Principal Opening Balance</u>		65,604,799	65,382,419	67,291,586
Transfer to/(from) Reserve	72,604,799	(222,380)		
Indexing of Principal Protected Balance			1,909,167	1,961,473
Less HCUI Litigation Fund	(7,000,000)			
<i>Ending General Hydro Principal Balance</i>	<u>65,604,799</u>	<u>65,382,419</u>	<u>67,291,586</u>	<u>69,253,058</u>
<u>HCUI Litigation Fund Opening Balance</u>		7,000,000	6,850,000	6,850,000
Transfer to/(from) Reserve	7,000,000	(150,000)		
<i>Ending HCUI Litigation Fund Balance</i>	<u>7,000,000</u>	<u>6,850,000</u>	<u>6,850,000</u>	<u>6,850,000</u>
<u>Uncommitted Interest Earning Opening Balance</u>		28,766	2,329,098	3,355,901
Interest Earned (realized and accrued)	778,766	2,800,332	3,235,970	3,767,237
Indexing of Principal Protected Balance			(1,909,167)	(1,961,473)
Contribution to Growing Communities Reserve Fund				(750,000)
Contribution to Municipal Levy	(750,000)	(500,000)	(300,000)	(300,000)
Balance Available for Major Capital Expenditures				0
<i>Ending Uncommitted Interest Earnings Balance</i>	<u>28,766</u>	<u>2,329,098</u>	<u>3,355,901</u>	<u>4,111,665</u>
 Closing Balance December 31st	 <u>72,633,565</u>	 <u>74,561,517</u>	 <u>77,497,486</u>	 <u>80,214,724</u>

*NOTE: calculation of indexing utilized 3%, and an interest rate of 4.88% was utilized in allocating the estimated interest earnings and is subject to change.

2018 is based on projected balances. Actual will be presented with the annual Investment Report in May 2019.

HALDIMAND COUNTY

**FORECAST OF GROWING COMMUNITIES RESERVE FUND
FOR THE YEARS 2019 TO 2028**

	<u>2018</u>	<u>2019</u>	<u>2020</u>	<u>2021</u>	<u>2022</u>	<u>2023</u>	<u>2024</u>	<u>2025</u>	<u>2026</u>	<u>2027</u>	<u>2028</u>
	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$
Opening Balance January 1st	0	750,000	1,690,000	2,660,000	3,630,000	4,629,000	5,626,000	6,773,000	7,920,000	9,067,000	10,214,000
Source of Funds:											
Contribution from Hydro Legacy Fund *	750,000	750,000	750,000	750,000	750,000	750,000	750,000	750,000	750,000	750,000	750,000
Contribution from Community Vibrancy Fund (20% Unallocated)		190,000	220,000	220,000	249,000	247,000	397,000	397,000	397,000	397,000	397,000
Interest Earned											
Total Source of Funds	750,000	940,000	970,000	970,000	999,000	997,000	1,147,000	1,147,000	1,147,000	1,147,000	1,147,000
Use of Funds:											
Commitment for Active Projects											
Contribution to State of Good Repair Projects											
Contribution to New Initiatives/Enhanced Service Projects											
Total Use of Funds	0	0	0	0	0	0	0	0	0	0	0
Closing Balance December 31st	750,000	1,690,000	2,660,000	3,630,000	4,629,000	5,626,000	6,773,000	7,920,000	9,067,000	10,214,000	11,361,000

* NOTE Contribution from Hydro Legacy fund is conditional on being compliant with Section 3©(ii) of the Hydro Legacy Fund Policy (2018-01)

**COMMUNITY VIBRANCY FUND
NET PRESENT VALUE CALCULATIONS
2019 Capital Budget and Forecast**

AREA	GROSS VALUE			Cumulative Actuals/Commitments to Date		
	CONTRIBUTIONS	EXPENDITURES	DIFFERENCE	CONTRIBUTIONS (less Interest expense)	Actual/Committed EXPENDITURES	Net Available Balance in 2019
Ward 1	8,929,982	(6,330,699)	2,599,283	6,330,701	(4,902,671)	1,428,030
Ward 2	13,311,680	(9,944,267)	3,367,413	9,944,268	(8,748,861)	1,195,407
Ward 4	1,586,131	(1,086,916)	499,214	1,086,919	(1,080,619)	6,300
Ward 5	7,918,742	(5,663,676)	2,255,067	5,663,678	(2,371,138)	3,292,540
TOTAL	31,746,536	(23,025,559)	8,720,977	23,025,567	(17,103,290)	5,922,277

**HALDIMAND COUNTY
FORECAST OF COMMUNITY VIBRANCY RESERVE FUND
FOR THE YEARS 2011-2028**

	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$
SUMMARY																		
Opening Balance January 1st	0	100,564	72,251	63,632	(4,942,085)	(7,963,904)	(9,140,201)	(10,800,307)	(12,223,809)	(11,208,757)	(10,430,123)	(9,400,715)	(8,328,978)	(7,207,007)	(6,034,867)	(4,814,657)	(3,545,542)	(2,225,662)
Source of Funds:																		
Contributions from Agreement				233,371	754,509	1,508,959	1,633,281	1,896,500	1,896,500	1,962,961	1,984,500	1,984,500	1,984,500	1,984,500	1,984,500	1,984,500	1,984,500	1,984,500
Additional Contributions	100,000				100,000		125,000		175,000									
Interest Earned	564	2,716	1,333	(99,050)	(259,878)	(345,085)	(405,580.38)	(465,256)	(481,448)	(443,628)	(408,559)	(366,289)	(322,116)	(275,946)	(231,997)	(187,152)	(140,446)	(91,809)
Total Source of Funds	100,564	2,716	1,333	134,321	594,631	1,163,874	1,352,700	1,431,244	1,590,052	1,519,333	1,575,941	1,618,211	1,662,384	1,708,554	1,752,503	1,797,348	1,844,054	1,892,691
Use of Funds:																		
Commitment for Active Projects		31,029	9,952	4,990,038	3,466,451	2,190,171	1,465,638	1,018,552	190,000	220,000	220,000	249,000	247,000	397,000	397,000	397,000	397,000	397,000
Contribution to Trails Initiative					0	0	1,372,169	446,631	10,000	245,699	151,533	147,473	143,413	139,415	135,293	131,233	127,173	123,130
Contribution to New Initiatives/Enhanced Service Projects				150,000	150,000	150,000	175,000	1,389,563	375,000	275,000	175,000	150,000	150,000	0	0	0	0	0
Total Use of Funds	0	31,029	9,952	5,140,038	3,616,451	2,340,171	3,012,807	2,854,746	575,000	740,699	546,533	546,473	540,413	536,415	532,293	528,233	524,173	520,130
Closing Balance December 31st	100,564	72,251	63,632	(4,942,085)	(7,963,904)	(9,140,201)	(10,800,307)	(12,223,809)	(11,208,757)	(10,430,123)	(9,400,715)	(8,328,978)	(7,207,007)	(6,034,867)	(4,814,657)	(3,545,542)	(2,225,662)	(853,101)
assume internal borrowing not debt issuance																		
Positive Interest Rate		2.8%																
Negative Interest Rate		4.1%																
Interest assumption on in-year transactions - 6 months																		
Non Specified 20%																		
Opening Balance January 1st	0	100,564	72,251	63,632	(211,878)	(295,643)	(246,792)	(146,888)	(181,177)	3,326	962	2,916	854	776	696	613	528	441
Source of Funds:																		
Contributions from Agreement	100,000			46,680	250,902	301,671	451,656	379,300	554,300	392,592	396,900	396,900	396,900	396,900	396,900	396,900	396,900	396,900
Interest Earned	564	2,716	1,333	(3,802)	(10,220)	(11,309)	(8,736)	(6,606)	(4,796)	44	54	38	22	20	17	15	13	10
Total Source of Funds	100,564	2,716	1,333	42,878	240,682	290,362	442,920	372,694	549,504	392,636	396,954	396,938	396,922	396,920	396,917	396,915	396,913	396,910
Use of Funds:																		
Commitment for Active Projects/ Contribution to Growing Communities Reserve Fund		31,029	9,952	168,389	174,446.74	91,511	0		190,000	220,000	220,000	249,000	247,000	397,000	397,000	397,000	397,000	397,000
Contribution to Unidentified Trails							168,016	231,984										
Rural Water Quality Program (2017-2021)							25,000	25,000	25,000	25,000	25,000							
Contribution to Community Partnership Capital Reserve				150,000	150,000	150,000	150,000	150,000	150,000	150,000	150,000	150,000	150,000					
Total Use of Funds	0	31,029	9,952	318,389	324,447	241,511	343,016	406,984	365,000	395,000	395,000	399,000	397,000	397,000	397,000	397,000	397,000	397,000
Closing Balance December 31st	100,564	72,251	63,632	(211,878)	(295,643)	(246,792)	(146,888)	(181,177)	3,326	962	2,916	854	776	696	613	528	441	351

**HALDIMAND COUNTY
FORECAST OF COMMUNITY VIBRANCY RESERVE FUND
FOR THE YEARS 2011-2028**

	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$
Ward 1																		
Opening Balance January 1st	0	0	0	0	(2,399,816)	(2,994,767)	(3,813,173)	(3,619,810)	(3,656,544)	(3,628,257)	(3,342,095)	(3,026,699)	(2,698,341)	(2,356,486)	(2,000,582)	(1,630,050)	(1,244,289)	(842,673)
Source of Funds:																		
Contributions from Agreement				134,876	376,105	376,105	376,105	376,105	376,105	429,274	446,505	446,505	446,505	446,505	446,505	446,505	446,505	446,505
Interest Earned				(48,323)	(108,626)	(137,086)	(151,908)	(147,227)	(147,818)	(143,112)	(131,109)	(118,146)	(104,651)	(90,601)	(75,973)	(60,744)	(44,889)	(28,383)
Total Source of Funds	0	0	0	86,553	267,479	239,019	224,197	228,878	228,287	286,162	315,396	328,359	341,854	355,904	370,532	385,761	401,616	418,122
Use of Funds:																		
Commitment for Active Projects				2,486,368	862,430	1,057,425	30,834	7,779										
Contribution to Trail Initiatives																		
Contribution to State of Good Repair Projects																		
Contribution to New Initiatives/Enhanced Service Projects																		
Cheapside Rd-Concession 2 Walpole to Hwy 3(shoulder widening)								250,000										
Selkirk Chamber Park Entrance Rehabilitation (1/3)								7,833										
Cheapside Rd-Hwy 3 to Haldimand Rd 20(shoulder widening)									200,000									
Total Use of Funds	0	0	0	2,486,368	862,430	1,057,425	30,834	265,612	200,000	0	0	0	0	0	0	0	0	0
Closing Balance December 31st	0	0	0	(2,399,816)	(2,994,767)	(3,813,173)	(3,619,810)	(3,656,544)	(3,628,257)	(3,342,095)	(3,026,699)	(2,698,341)	(2,356,486)	(2,000,582)	(1,630,050)	(1,244,289)	(842,673)	(424,551)
Ward 2																		
Opening Balance January 1st	0	0	0	0	(1,860,748)	(3,073,737)	(3,384,663)	(4,205,539)	(5,588,565)	(5,153,227)	(5,040,396)	(4,726,043)	(4,394,654)	(4,045,527)	(3,677,997)	(3,291,182)	(2,884,353)	(2,456,686)
Source of Funds:																		
Contributions from Agreement				51,815	213,675	607,530	665,846	665,846	665,846	665,846	665,846	665,846	665,846	665,846	665,846	665,846	665,846	665,846
Interest Earned				(37,468)	(99,362)	(130,048)	(153,739)	(197,216)	(220,508)	(207,316)	(199,960)	(186,983)	(173,306)	(158,901)	(143,738)	(127,783)	(111,005)	(93,372)
Total Source of Funds	0	0	0	14,347	114,313	477,482	512,107	468,630	445,338	458,530	465,886	478,863	492,540	506,945	522,108	538,063	554,840	572,474
Use of Funds:																		
Commitment for Active Projects				1,875,095	1,327,302	788,409	128,829	944,009										
Contribution to Trail Initiatives							1,204,153	214,647	10,000	90,000								
Contribution to Trail Initiatives - Debt Payments										155,699	151,533	147,473	143,413	139,415	135,293	131,233	127,173	123,130
Contribution to New Initiatives/Enhanced Service Projects																		
Cayuga Library Additional Funding per CMS-GM-01-2018								250,000										
Cayuga Village on the Green Landscape Improvements										100,000								
Lakeshore Road Lighting Enhancements								50,000										
Yaremy Road								300,000										
Fisherville Walking Track (PED-COM-13-2018)								78,000										
Fisherville Parks Committee Tractor Replacement								15,000										
Total Use of Funds	0	0	0	1,875,095	1,327,302	788,409	1,332,982	1,851,656	10,000	345,699	151,533	147,473	143,413	139,415	135,293	131,233	127,173	123,130
Closing Balance December 31st	0	0	0	(1,860,748)	(3,073,737)	(3,384,663)	(4,205,539)	(5,588,565)	(5,153,227)	(5,040,396)	(4,726,043)	(4,394,654)	(4,045,527)	(3,677,997)	(3,291,182)	(2,884,353)	(2,456,686)	(2,007,342)

**HALDIMAND COUNTY
FORECAST OF COMMUNITY VIBRANCY RESERVE FUND
FOR THE YEARS 2011-2028**

	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$
Ward 4																		
Opening Balance January 1st	0	0	0	0	(120,911)	(791,388)	(899,385)	(928,021)	(963,756)	(921,707)	(877,930)	(832,355)	(784,905)	(735,506)	(684,077)	(630,533)	(574,789)	(516,755)
Source of Funds:																		
Contributions from Agreement				0	5,076	80,531	80,531	80,531	80,531	80,531	80,531	80,531	80,531	80,531	80,531	80,531	80,531	80,531
Interest Earned				(2,435)	(18,370)	(34,046)	(36,850)	(38,108)	(38,483)	(36,755)	(34,955)	(33,082)	(31,132)	(29,102)	(26,988)	(24,787)	(22,496)	(20,111)
Total Source of Funds	0	0	0	(2,435)	(13,295)	46,486	43,682	42,423	42,048	43,777	45,576	47,449	49,399	51,430	53,543	55,744	58,035	60,420
Use of Funds:																		
Commitment for Active Projects				118,476	657,182	154,483	72,318	25,557										
Contribution to State of Good Repair Projects																		
Contribution to New Initiatives/Enhanced Service Projects																		
Hagersville Twinkle Lights Committee								50,000										
Canfield Fire - Asphalt Approach								1,600										
Canfield Hall - portable sound system								1,000										
Total Use of Funds	0	0	0	118,476	657,182	154,483	72,318	78,157	0	0	0	0	0	0	0	0	0	0
Closing Balance December 31st	0	0	0	(120,911)	(791,388)	(899,385)	(928,021)	(963,756)	(921,707)	(877,930)	(832,355)	(784,905)	(735,506)	(684,077)	(630,533)	(574,789)	(516,755)	(456,334)
Ward 5																		
Opening Balance January 1st	0	0	0	0	(348,731)	(808,369)	(796,188)	(1,900,050)	(1,833,768)	(1,508,893)	(1,170,665)	(818,536)	(451,934)	(70,265)	327,091	736,493	1,157,358	1,590,007
Source of Funds:																		
Contributions from Agreement				0	8,752	143,121	184,143	394,717	394,717	394,717	394,717	394,717	394,717	394,717	394,717	394,717	394,717	394,717
Interest Earned				(7,022)	(23,300)	(32,597)	(54,348)	(76,099)	(69,842)	(56,489)	(42,588)	(28,116)	(13,048)	2,638	14,685	26,148	37,932	50,046
Total Source of Funds	0	0	0	(7,022)	(14,548)	110,524	129,795	318,619	324,876	338,228	352,129	366,602	381,669	397,356	409,402	420,865	432,649	444,764
Use of Funds:																		
Commitment for Active Projects				341,709	445,090	98,343	1,233,656	41,207										
Contribution to State of Good Repair Projects																		
Cross Street Functional Servicing Report								75,000										
Dunnville Bridge Noise Mitigation								120,000										
Contribution to New Initiatives/Enhanced Service Projects								16,130										
Total Use of Funds	0	0	0	341,709	445,090	98,343	1,233,656	252,337	0	0	0	0	0	0	0	0	0	0
Closing Balance December 31st	0	0	0	(348,731)	(808,369)	(796,188)	(1,900,050)	(1,833,768)	(1,508,893)	(1,170,665)	(818,536)	(451,934)	(70,265)	327,091	736,493	1,157,358	1,590,007	2,034,771

HALDIMAND COUNTY

SUMMARY OF FORECASTED DEVELOPMENT CHARGES RESERVE FUNDS BALANCES for Tax Supported Capital Forecast FOR THE YEARS 2019 TO 2028

	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$
DCRF - Ambulance Services	18,819	37,272	57,296	1,147	(181,816)	(224,481)	(265,219)	(303,903)	(340,504)	(357,720)	(372,781)
DCRF - Fire Services	1,031,580	1,156,536	1,294,528	1,397,535	148,158	167,675	200,830	248,302	253,504	497,367	757,560
DCRF - General Government	(3,019)	(261,806)	(163,621)	(107,006)	(39,244)	19,847	132,510	250,217	350,362	341,486	421,286
DCRF - Leisure Services	945,566	1,369,650	1,907,039	2,452,687	3,056,728	3,586,892	4,451,744	5,375,252	5,879,534	6,913,650	7,999,708
DCRF - Library Services	892,594	985,921	972,616	987,710	951,803	923,725	903,657	892,077	888,995	894,869	1,005,125
DCRF - Parking Services	105,564	131,570	158,689	186,959	216,501	117,715	146,545	176,609	207,948	240,604	274,629
DCRF - Public Works - Buildings & Fleet	(128,030)	(110,653)	(259,880)	(195,079)	(127,394)	(56,961)	(226,236)	(154,785)	(80,421)	(3,059)	77,391
DCRF - Roads & Related	(823,855)	(992,464)	(1,089,485)	(1,516,495)	(1,456,166)	(2,352,049)	(3,226,837)	(4,155,470)	(5,046,155)	(5,811,515)	(6,552,496)
DCRF - Cemeteries	150,334	191,770	234,988	257,272	303,801	161,337	207,098	72,959	118,210	165,448	214,753
DCRF - Stormwater	(237,690)	(173,242)	(123,734)	(147,827)	(152,522)	(183,486)	(166,042)	(159,693)	(163,911)	(148,481)	(113,483)
Total	1,951,861	2,334,554	2,988,435	3,316,902	2,719,850	2,160,215	2,158,051	2,241,566	2,067,562	2,732,648	3,711,694

NOTES:

Incorporated in this analysis is the financing of development related expenditures over the next 10 and 20 years (10 years for parking, leisure, library, general government, cemeteries and ambulance services; 20 years for roads/bridges, fleet, fire services, water/water and storm sewer). It should be noted that at the end of this forecast period, the estimated balances in the reserve funds will be positive.

Includes interest earnings and/or financing charges based on DC Background Study formula
 Development Charges revenue forecasts calculated per the 2014 Development Charges Background Study

("DC Debt") for larger projects and internal borrowing for smaller projects: future debt payments (internal or external) would ultimately be collected from future rates (as these costs are fully self financed).

Potential Debt repayment may be required related to major projects, currently shown as:

- Cayuga Library Replacement (open active project)
- Storm Water - Dunnville - Alder St - Cedar to West in 2017 to 2019
- Hagersville Library Replacement in 2020
- Caledonia Argyle Bridge in 2022
- Caledonia Fire Station in 2021
- Caledonia Arterial Road in 2019 to 2021

HALDIMAND COUNTY

**DEVELOPMENT CHARGES RESERVE FUND - AMBULANCE
FOR THE YEARS 2019 TO 2028**

	<u>2018</u>	<u>2019</u>	<u>2020</u>	<u>2021</u>	<u>2022</u>	<u>2023</u>	<u>2024</u>	<u>2025</u>	<u>2026</u>	<u>2027</u>	<u>2028</u>
	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$
Opening Balance January 1st	17,536	18,819	37,272	57,296	1,147	(181,816)	(224,481)	(265,219)	(303,903)	(340,504)	(357,720)
Source of Funds:											
Actual Receipts to November 15, 2018	21,528										
Receipts expected per DC study		37,700	38,460	39,220	40,140	40,940	41,760	42,590	43,450	44,310	45,200
Interest Earned	159	690	1,163	871	(1,738)	(3,923)	(4,728)	(5,495)	(6,222)	(6,742)	(7,054)
Total Source of Funds	21,687	38,390	39,623	40,091	38,402	37,017	37,032	37,095	37,228	37,568	38,146
Use of Funds:											
DC debt repayment	20,291	19,936	19,600	19,219	18,865	79,682	77,770	75,778	73,829	54,784	53,207
Proposed Projects-Capital Forecast (Tax)	113	0	0	77,020	202,500	0	0	0	0	0	0
Proposed Projects-Capital Forecast (WWW)											
Total Use of Funds	20,404	19,936	19,600	96,239	221,365	79,682	77,770	75,778	73,829	54,784	53,207
Closing Balance December 31st	18,819	37,272	57,296	1,147	(181,816)	(224,481)	(265,219)	(303,903)	(340,504)	(357,720)	(372,781)

Debt repayment includes annual debt repayment for Hagersville and Cayuga EMS Base (2017-2026), as well as future debt for Caledonia Base

HALDIMAND COUNTY
DEVELOPMENT CHARGES RESERVE FUND - FIRE
FOR THE YEARS 2019 TO 2028

	<u>2018</u>	<u>2019</u>	<u>2020</u>	<u>2021</u>	<u>2022</u>	<u>2023</u>	<u>2024</u>	<u>2025</u>	<u>2026</u>	<u>2027</u>	<u>2028</u>
	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$
Opening Balance January 1st	1,056,217	1,031,580	1,156,536	1,294,528	1,397,535	148,158	167,675	200,830	248,302	253,504	497,367
Source of Funds:											
Actual Receipts to November 15, 2018	167,689										
Receipts expected per DC study		297,090	303,030	309,090	316,270	322,600	329,050	335,630	342,340	349,190	356,170
Interest Earned	9,572	26,907	30,140	33,104	22,399	3,884	4,531	5,523	6,173	9,233	15,432
Total Source of Funds	177,261	323,997	333,170	342,194	338,669	326,484	333,581	341,153	348,513	358,423	371,602
Use of Funds:											
DC debt repayment	196,891	193,440	190,179	186,487	183,046	301,966	295,426	288,681	282,062	109,561	106,408
Proposed Projects-Capital Forecast (Tax)	5,007	5,600	5,000	52,700	1,405,000	5,000	5,000	5,000	61,250	5,000	5,000
Proposed Projects-Capital Forecast (WWW)											
Total Use of Funds	201,898	199,040	195,179	239,187	1,588,046	306,966	300,426	293,681	343,312	114,561	111,408
Closing Balance December 31st	1,031,580	1,156,536	1,294,528	1,397,535	148,158	167,675	200,830	248,302	253,504	497,367	757,560

Debt repayment includes annual debt repayment for Caledonia, Hagersville, Cayuga, and South Haldimand Fire Stations (2017-2026) as well as future debt payments for Caledonia Fire Station (2023-2032).

HALDIMAND COUNTY

**DEVELOPMENT CHARGES RESERVE FUND - GENERAL GOVERNMENT
FOR THE YEARS 2019 TO 2028**

	<u>2018</u>	<u>2019</u>	<u>2020</u>	<u>2021</u>	<u>2022</u>	<u>2023</u>	<u>2024</u>	<u>2025</u>	<u>2026</u>	<u>2027</u>	<u>2028</u>
	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$
Opening Balance January 1st	80,299	(3,019)	(261,806)	(163,621)	(107,006)	(39,244)	19,847	132,510	250,217	350,362	341,486
Source of Funds:											
Actual Receipts to November 15, 2018	36,538										
Receipts expected per DC study		100,020	102,020	104,070	106,490	108,620	110,790	113,000	115,260	117,570	119,920
Interest Earned	1,847	(2,557)	(3,835)	(2,455)	(1,228)	(29)	1,874	4,706	7,385	8,554	9,380
Total Source of Funds	38,385	97,463	98,185	101,615	105,262	108,591	112,664	117,706	122,645	126,124	129,300
Use of Funds:											
DC debt repayment											
Proposed Projects-Capital Forecast (Tax)	121,703	356,250	0	45,000	37,500	49,500	0	0	22,500	135,000	49,500
Proposed Projects-Capital Forecast (WWW)											
Total Use of Funds	121,703	356,250	0	45,000	37,500	49,500	0	0	22,500	135,000	49,500
Closing Balance December 31st	(3,019)	(261,806)	(163,621)	(107,006)	(39,244)	19,847	132,510	250,217	350,362	341,486	421,286

HALDIMAND COUNTY
DEVELOPMENT CHARGES RESERVE FUND - LEISURE SERVICES
FOR THE YEARS 2019 TO 2028

	<u>2018</u>	<u>2019</u>	<u>2020</u>	<u>2021</u>	<u>2022</u>	<u>2023</u>	<u>2024</u>	<u>2025</u>	<u>2026</u>	<u>2027</u>	<u>2028</u>
	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$
Opening Balance January 1st	2,323,531	945,566	1,369,650	1,907,039	2,452,687	3,056,728	3,586,892	4,451,744	5,375,252	5,879,534	6,913,650
Source of Funds:											
Actual Receipts to November 15, 2018	680,670										
Receipts expected per DC study		1,099,800	1,121,800	1,144,230	1,171,490	1,194,920	1,218,820	1,243,200	1,268,060 0	1,293,420 0	1,319,290
Interest Earned	20,579	28,470	40,293	53,611	67,749	81,696	98,850	120,842	138,399 0	157,317 0	183,388
Total Source of Funds	701,249	1,128,270	1,162,093	1,197,841	1,239,239	1,276,616	1,317,670	1,364,042	1,406,459	1,450,737	1,502,678
Use of Funds:											
DC debt repayment	658,182	641,186	624,704	607,194	590,198	573,202	407,818	395,534	383,577	371,620	371,620
Proposed Projects-Capital Forecast (Tax)	1,421,032	63,000		45,000	45,000	173,250	45,000	45,000	518,600	45,000	45,000
Proposed Projects-Capital Forecast (WWW)											
Total Use of Funds	2,079,214	704,186	624,704	652,194	635,198	746,452	452,818	440,534	902,177	416,620	416,620
Closing Balance December 31st	945,566	1,369,650	1,907,039	2,452,687	3,056,728	3,586,892	4,451,744	5,375,252	5,879,534	6,913,650	7,999,708

Debt repayment includes annual debt repayment for HCCC (2014-2023), Cayuga Arena and Dunnville Arena (2014-2033).

HALDIMAND COUNTY
DEVELOPMENT CHARGES RESERVE FUND - LIBRARY
FOR THE YEARS 2019 TO 2028

	<u>2018</u>	<u>2019</u>	<u>2020</u>	<u>2021</u>	<u>2022</u>	<u>2023</u>	<u>2024</u>	<u>2025</u>	<u>2026</u>	<u>2027</u>	<u>2028</u>
	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$
Opening Balance January 1st	911,800	892,594	985,921	972,616	987,710	951,803	923,725	903,657	892,077	888,995	894,869
<u>Source of Funds:</u>											
Actual Receipts to November 15, 2018	112,869										
Receipts expected per DC study		182,740	186,400	190,120	194,650	198,550	202,520	206,570	210,700	214,910	219,210
Interest Earned	8,123	21,470	22,876	23,691	24,330	24,390	24,615	25,010	25,586	26,356	26,356
Total Source of Funds	120,992	204,210	209,276	213,811	218,980	222,940	227,135	231,580	236,286	241,266	245,566
<u>Use of Funds:</u>											
DC debt repayment	96,310	96,323	187,021	184,558	240,726	236,858	233,042	229,000	225,207	221,233	121,150
Proposed Projects-Capital Forecast (Tax)	43,888	14,560	35,560	14,160	14,160	14,160	14,160	14,160	14,160	14,160	14,160
Proposed Projects-Capital Forecast (WWW)											
Total Use of Funds	140,198	110,883	222,581	198,718	254,886	251,018	247,202	243,160	239,367	235,393	135,310
Closing Balance December 31st	892,594	985,921	972,616	987,710	951,803	923,725	903,657	892,077	888,995	894,869	1,005,125

Debt repayment includes annual debt repayment for the Dunnville (2018-2027), Cayuga (2020-2029) and Hagersville (2022-2031) Library Expansion Projects.

HALDIMAND COUNTY
DEVELOPMENT CHARGES RESERVE FUND - PARKING SERVICES
FOR THE YEARS 2019 TO 2028

	<u>2018</u>	<u>2019</u>	<u>2020</u>	<u>2021</u>	<u>2022</u>	<u>2023</u>	<u>2024</u>	<u>2025</u>	<u>2026</u>	<u>2027</u>	<u>2028</u>
	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$
Opening Balance January 1st	88,848	105,564	131,570	158,689	186,959	216,501	117,715	146,545	176,609	207,948	240,604
Source of Funds:											
Actual Receipts to November 15, 2018	14,503										
Receipts expected per DC study		23,090	23,550	24,020	24,580	25,080	25,580	26,090	26,610	27,140	27,690
Interest Earned	2,212	2,916	3,569	4,250	4,961	4,385	3,250	3,974	4,729	5,516	6,336
Total Source of Funds	16,715	26,006	27,119	28,270	29,541	29,465	28,830	30,064	31,339	32,656	34,026
Use of Funds:											
DC debt repayment											
Proposed Projects-Capital Forecast (Tax)	0	0	0	0	0	128,250	0	0	0	0	0
Proposed Projects-Capital Forecast (WWW)											
Total Use of Funds	0	0	0	0	0	128,250	0	0	0	0	0
Closing Balance December 31st	105,564	131,570	158,689	186,959	216,501	117,715	146,545	176,609	207,948	240,604	274,629

HALDIMAND COUNTY

**DEVELOPMENT CHARGES RESERVE FUND - PUBLIC WORKS - BUILDINGS & FLEET
FOR THE YEARS 2019 TO 2028**

	<u>2018</u>	<u>2019</u>	<u>2020</u>	<u>2021</u>	<u>2022</u>	<u>2023</u>	<u>2024</u>	<u>2025</u>	<u>2026</u>	<u>2027</u>	<u>2028</u>
	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$
Opening Balance January 1st	114,023	(128,030)	(110,653)	(259,880)	(195,079)	(127,394)	(56,961)	(226,236)	(154,785)	(80,421)	(3,059)
Source of Funds:											
Actual Receipts to November 15, 2018	36,825										
Receipts expected per DC study		66,330	67,650	69,010	70,610	72,020	73,460	74,930	76,430	77,960	79,520
Interest Earned	1,121	(2,252)	(3,578)	(4,208)	(2,925)	(1,588)	(2,735)	(3,479)	(2,067)	(598)	930
Total Source of Funds	37,946	64,078	64,072	64,802	67,685	70,432	70,725	71,451	74,363	77,362	80,450
Use of Funds:											
DC debt repayment											
Proposed Projects-Capital Forecast (Tax)	280,000	46,700	213,300	0	0	0	240,000	0	0	0	0
Proposed Projects-Capital Forecast (WWW)											
Total Use of Funds	280,000	46,700	213,300	0	0	0	240,000	0	0	0	0
Closing Balance December 31st	(128,030)	(110,653)	(259,880)	(195,079)	(127,394)	(56,961)	(226,236)	(154,785)	(80,421)	(3,059)	77,391

HALDIMAND COUNTY

**DEVELOPMENT CHARGES RESERVE FUND - PUBLIC WORKS - ROADS & RELATED
FOR THE YEARS 2019 TO 2028**

	<u>2018</u>	<u>2019</u>	<u>2020</u>	<u>2021</u>	<u>2022</u>	<u>2023</u>	<u>2024</u>	<u>2025</u>	<u>2026</u>	<u>2027</u>	<u>2028</u>
	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$
Opening Balance January 1st	(846,247)	(823,855)	(992,464)	(1,089,485)	(1,516,495)	(1,456,166)	(2,352,049)	(3,226,837)	(4,155,470)	(5,046,155)	(5,811,515)
Source of Funds:											
Actual Receipts to November 15, 2018	250,455										
Receipts expected per DC study		444,300	453,180	462,250	472,970	482,430	492,080	501,920	511,960	522,200	532,650
Interest Earned	(25,263)	(22,819)	(19,011)	(13,970)	(9,851)	(5,637)	(2,973)	(634)	2,833	7,769	(119,385)
Total Source of Funds	225,192	421,481	434,169	448,280	463,119	476,793	489,107	501,286	514,793	529,969	413,265
Use of Funds:											
DC debt repayment	0	0	0	0	0	1,113,297	1,259,414	1,225,019	1,191,419	1,157,819	1,124,645
Proposed Projects-Capital Forecast (Tax)	202,800	590,090	531,190	875,290	402,790	259,380	104,480	204,900	214,060	137,510	29,600
Proposed Projects-Capital Forecast (WWW)											
Total Use of Funds	202,800	590,090	531,190	875,290	402,790	1,372,677	1,363,894	1,429,919	1,405,479	1,295,329	1,154,245
Closing Balance December 31st	(823,855)	(992,464)	(1,089,485)	(1,516,495)	(1,456,166)	(2,352,049)	(3,226,837)	(4,155,470)	(5,046,155)	(5,811,515)	(6,552,496)

Debt repayment includes annual debt repayment for Caledonia Argyle Bridge Enhancement (2024-2033) and Caledonia Arterial Road (2023-2032).

HALDIMAND COUNTY

**DEVELOPMENT CHARGES RESERVE FUND - CEMETERIES
FOR THE YEARS 2019 TO 2028**

	<u>2018</u>	<u>2019</u>	<u>2020</u>	<u>2021</u>	<u>2022</u>	<u>2023</u>	<u>2024</u>	<u>2025</u>	<u>2026</u>	<u>2027</u>	<u>2028</u>
	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$
Opening Balance January 1st	128,268	150,334	191,770	234,988	257,272	303,801	161,337	207,098	72,959	118,210	165,448
Source of Funds:											
Actual Receipts to November 15, 2018	20,847										
Receipts expected per DC study		37,230	37,970	38,730	39,630	40,420	41,230	42,050	42,900	43,750	44,630
Interest Earned	1,219	4,207	5,248	6,053	6,899	6,116	4,531	3,812	2,351	3,488	4,675
Total Source of Funds	22,066	41,437	43,218	44,783	46,529	46,536	45,761	45,862	45,251	47,238	49,305
Use of Funds:											
DC debt repayment	0	0	0	0	0	0	0	0	0	0	0
Proposed Projects-Capital Forecast (Tax)	0	0	0	22,500	0	189,000	0	180,000	0	0	0
Proposed Projects-Capital Forecast (WWW)											
Total Use of Funds	0	0	0	22,500	0	189,000	0	180,000	0	0	0
Closing Balance December 31st	150,334	191,770	234,988	257,272	303,801	161,337	207,098	72,959	118,210	165,448	214,753

HALDIMAND COUNTY
DEVELOPMENT CHARGES RESERVE FUND - STORMWATER
FOR THE YEARS 2019 TO 2028

	<u>2018</u>	<u>2019</u>	<u>2020</u>	<u>2021</u>	<u>2022</u>	<u>2023</u>	<u>2024</u>	<u>2025</u>	<u>2026</u>	<u>2027</u>	<u>2028</u>
	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$
Opening Balance January 1st	(224,116)	(237,690)	(173,242)	(123,734)	(147,827)	(152,522)	(183,486)	(166,042)	(159,693)	(163,911)	(148,481)
Source of Funds:											
Actual Receipts to November 15, 2018	29,839										
Receipts expected per DC study		84,720	86,410	88,140	90,190	92,000	93,840	95,710	97,630	99,580	101,570
Interest Earned	(2,928)	(5,373)	(4,402)	(3,774)	(3,472)	(3,599)	(4,043)	(4,091)	(3,625)	(2,975)	(2,429)
Total Source of Funds	<u>26,912</u>	<u>79,347</u>	<u>82,008</u>	<u>84,366</u>	<u>86,718</u>	<u>88,401</u>	<u>89,797</u>	<u>91,619</u>	<u>94,005</u>	<u>96,605</u>	<u>99,141</u>
Use of Funds:											
DC debt repayment	0	0	0	78,459	76,412	74,365	72,354	70,270	68,223	66,176	64,142
Proposed Projects-Capital Forecast (Tax)	40,486	14,900	32,500	30,000	15,000	45,000	0	15,000	30,000	15,000	
Proposed Projects-Capital Forecast (WWW)											
Total Use of Funds	<u>40,486</u>	<u>14,900</u>	<u>32,500</u>	<u>108,459</u>	<u>91,412</u>	<u>119,365</u>	<u>72,354</u>	<u>85,270</u>	<u>98,223</u>	<u>81,176</u>	<u>64,142</u>
Closing Balance December 31st	<u>(237,690)</u>	<u>(173,242)</u>	<u>(123,734)</u>	<u>(147,827)</u>	<u>(152,522)</u>	<u>(183,486)</u>	<u>(166,042)</u>	<u>(159,693)</u>	<u>(163,911)</u>	<u>(148,481)</u>	<u>(113,483)</u>

Debt repayment includes annual debt repayment for Dunnville - Alder St - Cedar to West (2021-2030).

HALDIMAND COUNTY
2019 Draft Tax Supported Capital Budget and Forecast 2019-2028
2019 Proposed Projects with Operating Impacts - NEW INITIATIVES ONLY

Description	2019 Capital Cost	Description of Operating Impacts	OPERATING - Estimated Annual Cost/(Saving) (if available)	CAPITAL Estimated Annual Cost/(Saving) (if available)	Estimated Annual Cost/(Saving) (if available) TOTAL
General Government					
Mobile Devices BAS (44)	15,400	Additional contributions to reserve to fund future replacement and the Annual Data Costs	15,840	7,700	23,540
Protection Services					
Station Computers (11)	28,600	Additional contributions to reserve to fund future replacement	0	5,720	5,720
Station Natural Gas Generator	17,000	Increase expected for Natural Gas, but the impacts are anticipated to be minimal			
Transportation Services					
Hotbox -Large - ROADS (2)	50,000	Annual fleet charges (includes operating and annual depreciation to fund future replacement)	6,410	3,340	9,750
One Ton Sign Truck - ROADS (1)	70,000	Annual fleet charges (includes operating and annual depreciation to fund future replacement)	5,390	5,840	11,230
Multi Function Trimmer - ROADS (4)	6,000	Annual fleet charges (includes operating and annual depreciation to fund future replacement)	560	1,000	1,560
Tandem Axle Plow/Sander - ROADS (1)	285,000	Annual fleet charges (includes operating and annual depreciation to fund future replacement)	38,640	23,750	62,390
Snow Blower - SW - (1)	4,000	Annual fleet charges (includes operating and annual depreciation to fund future replacement)	120	200	320
Backpack Leaf Blower - SW (1)	750	Annual fleet charges (includes operating and annual depreciation to fund future replacement)	80	80	160
Utility Work Machine - FAPO (1)	110,000	Annual fleet charges (includes operating and annual depreciation to fund future replacement)	2,470	11,000	13,470
Trailer - Utility Work Machine - FAPO (1)	7,000	Annual fleet charges (includes operating and annual depreciation to fund future replacement)	1,550	350	1,900
Portable Generator - Walpole ROADS (1)	3,000	Annual fleet charges (includes operating and annual depreciation to fund future replacement)	170	200	370
Portable Generator - Dunnville ROADS (1)	3,000	Annual fleet charges (includes operating and annual depreciation to fund future replacement)	170	200	370
Portable Generator - Cayuga ROADS (1)	3,000	Annual fleet charges (includes operating and annual depreciation to fund future replacement)	170	200	370
Plate Tamper - Dunnville ROADS (1)	5,000	Annual fleet charges (includes operating and annual depreciation to fund future replacement)	120	250	370
Oneida - Automatic Natural Gas Backup Generator	15,000	Increase expected for Natural Gas, but the impacts are anticipated to be minimal			0
Health Services					
Patient Care Reporting - Additional Licenses	2,000	Ongoing Annual Licence Fees	1,890		1,890
Laptop Computers (2)	5,800	Additional contributions to reserve to fund future replacement		1,160	1,160
Recreational & Cultural Services					
Library Public Access	250,000	Based on the project description, it is anticipated that there will be one new Desktop purchased for each of the six Library Branches		2,160	2,160
Computers for Coordinators (5)	14,200	Additional contributions to reserve to fund future replacement	0	2,840	2,840
Cell Phones (3) - Aquatic and Summer Prog Team	2,400	Additional contributions to reserve to fund future replacement and the Annual Basic Costs	300	1,200	1,500
TOTAL	897,150		73,880	67,190	141,070

Note - this excludes increased annual depreciation that may be required to fund future replacement of state of good repair projects, due to increased costs or changes in life cycle, and excludes any operating cost increases required for state of good repair projects (such as utilities, maintenance, etc.)

The items requiring additional contribution to CRR-IT and the various CRR - Fleet reserves are also noted on Summary 4 - Net Capital Financing

The items requiring additional contribution to CRR-Roads Infrastructure and CRR-General will be accommodated within the additional contributions being made to those reserves, shown on Summary 4 - Net Capital Financing

NOTE - additional staffing needs are not to be considered a council approved initiative. Council will be provided with further information as a New Initiative to be presented with the Tax Supported Operating Budget, in order to review the impacts on the tax levy, in conjunction with other corporate priorities.