Consolidated Report

Prepared by Hemson for the City of Barrie



Development Charges Background Study

October 10, 2023





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List of Acronyms

AMP Asset Management Plan

BTE Benefit to Existing

CBC Community Benefits Charges

COG Cost of Growth

DCA Development Charges Act

DC Development Charges

GFA Gross Floor Area

PPB Post-Period Benefit

PPU Persons Per Unit

Executive Summary

Hemson Consulting Ltd. was retained by the City of Barrie to complete a Development Charges (DC) Background Study (herein referred to as the "DC Background Study"). This Consolidated Background Study provides the basis and background to update the City's development charges to reflect the servicing needs of development in the City.

A. Study Consistent with Development Charges Legislation

The City of Barrie 2023 Consolidated Development Charges Background Study forms part of the process to lead to the approval of new DC by-laws in compliance with the *Development Charges Act* (DCA). The study is prepared in accordance with the DCA and associated regulations, including amendments that came into force through the *More Homes, More Choice Act*, the *COVID-19 Economic Recovery Act*, and the *More Homes Built Faster Act* (Bill 23).

B. Key Steps of the Development Charges Calculation

The DCA in Ontario is the most prescriptive of all DC legislation in Canada with respect to recovering development-related costs. Several key steps are required to calculate DCs. These include:

- Preparing a development (growth) forecast;
- Establishing historical service levels;
- Determining the increased needs for services arising from development;
- Determining how these costs are attributed to development types (i.e. residential and non-residential); and
- Adjusting for a cash flow analysis.



A. Two Approaches are Used to Calculate Development Charges

A City-wide average cost approach is used to calculate development charges for Library Services, Protection Services, Parks and Recreation, Services Related to a Highway: Public Works and Fleet, Transit Services, Long Term Care Services, Ambulance Services, Waste Diversion Services, Services Related to a Highway: Roads, Water Services – Facilities, Water Services – Facilities Related Debt, Wastewater Services – Facilities and Wastewater Services – Facilities Related Debt. This approach results in uniform charges throughout the City.

In addition, area-specific development charges are calculated for the City's Former Municipal Boundary and Secondary Plan Areas (referred to as Salem and Hewitt's). A summary of the area-specific services by benefitting area is provided below:

Former Municipal Boundary:

- Stormwater Drainage and Control
- Water Services Distribution Systems
- Wastewater Services Collection Systems

Secondary Plan Areas (Salem and Hewitt's):

- Water Services Distribution Systems
- Wastewater Services Collection Systems

The area-specific approach more closely aligns costs and benefits for services where benefits are more localized and can be identified.

B. Development Forecast

The development forecasts are premised on the City achieving population and employment forecasts identified in the Municipal Comprehensive



Review (MCR) Long-Term Urban Land Needs Study, City of Barrie, May 21, 2019 (MCR Long-Term Urban Land Needs Study, 2019), updated to reflect available 2021 Census data. This is consistent with the forecast used in the City's 2019 DC Background Study.

The capital infrastructure planning period for General services is based on a 10-year planning horizon 2023 to 2032. The planning period for the Engine ered services is from 2023 to 2041. A summary of the City-wide and areaspecific development forecast for Census population, occupied dwelling units, and employment in new space is provided below:

Table 1 – Summary of City-Wide and Area-Specific Development Forecasts

| City-wide | Census Population | Occupied Dwellings | Employment in New Space | | |
|-----------|----------------------|-----------------------|-------------------------|--|--|
| 2023-2032 | 54,830 | 25,008 | 18,459 | | |
| 2023-2041 | 92,659 | 42,505 | 41,539 | | |

| Former Municipal Boundary | Census Population | Occupied Dwellings | Employment in New Space |
|---------------------------------|----------------------|-----------------------|-------------------------|
| 2023-2032 | 21,504 | 11,848 | 11,668 |
| 2023-2041 | 49,906 | 25,157 | 27,601 |

| Salem & Hewitt's | Census Population | Occupied Dwellings | Employment in New Space |
|------------------|----------------------|-----------------------|-------------------------|
| 2023-2032 | 33,326 | 13,160 | 6,791 |
| 2023-2041 | 42,753 | 17,348 | 13,938 |

C. Transit Ridership Forecast

For the purposes of the Transit Services development charges calculation, a ridership forecast for the 2023-2032 planning period was completed. The ridership forecast was based on analysis prepared by Dillion Consulting as part of the City's 2019 DC Background Study and updated to reflect the new planning horizon for the 2023 DC Background Study update. The ridership forecast is further discussed in Appendix C.

Table 2 – Summary of Transit Ridership Forecast

| Transit Mode Share Targets | 2022 | 2023 | 2032 | 2041 |
|----------------------------|-------|-------|-------|-------|
| Secondary Plan Area | 0.00% | 0.10% | 0.67% | 1.20% |
| Former Barrie Boundary | 2.70% | 2.70% | 3.17% | 5.60% |
| Total Local Mode Share | 2.70% | 2.80% | 3.83% | 6.80% |

| P.M. Peak Hour Transit Trips | 2022 | 2023 | 2032 | 2041 |
|------------------------------|-------|-------|-------|--------|
| Secondary Plan Area | - | 42 | 710 | 1,508 |
| Former Barrie Boundary | 1,986 | 2,105 | 3,673 | 8,698 |
| Total City of Barrie | 1,986 | 2,147 | 4,383 | 10,206 |

D. The City has an Extensive Development-Related Capital Program for the Provision of Eligible Services

The development-related capital programs are based on a 10-year planning period from 2023 to 2032 for the General services and the long-term planning period 2023 to 2041 for the other engineered services.

i. City-Wide General Services

The gross cost of the City's development-related capital program for general services amounts to \$1.00 billion and provides for a wide range of infrastructure. Of the \$1.00 billion, approximately \$452.37 million has been identified as eligible for recovery through development charges over the 2023-2032 planning period.



- In total, approximately \$114.23 million has been identified as subsidies or grants that the City will anticipate receiving to fund development-related projects.
- Non-development charges funding for replacement portions of the capital program and for portions of development-related capital projects that benefit existing development have been identified. Replacement or benefit to existing shares amount to \$134.87 million.
- A share of the capital program is for portions of projects that relate to development in the post-2032 period (which will be considered for recovery in future development charges studies subject to service level considerations or funding through other growth funding tools such as CBCs). In total, about \$261.76 million is attributed as a post-period/other development related allocation.
- Available DC reserve funds, in the amount of \$38.94 million have been identified in each capital program to fund development-related infrastructure.
- Details regarding the capital programs for General services are provided in Appendix B of this report.

ii. City-Wide Engineered Services

- The total gross cost for City-wide Engineered services is \$4.80 billion. This provides for various projects for Roads, Water Services (facilities and debt), Wastewater Services (facilities and debt) and Stormwater Drainage and Control Services. Of this amount, only \$2.92 billion is eligible for recovery through the development charges.
- Details regarding the City-wide capital programs for Engineered services are provided in Appendix D of this report.



iii. Area-Specific Engineered Services

- The total gross cost for the Former Municipal Boundary Engineered services is \$662.24 million. This provides for various projects for Stormwater Drainage and Control Services, Water distribution and Wastewater collection. Of this amount, only \$276.66 million is eligible for recovery through the development charges.
- For the Secondary Plan Areas of Salem and Hewitt's, the total gross capital program cost amounts to \$416.72 million the entirety of the costs are brought forward to the DC calculation.
- Details regarding the area-specific capital programs for Engineered services are provided in Appendix E of this report.

E. Cost of Growth Analysis

An overview of the long-term capital and operating costs as well as the asset management-related annual provisions for capital facilities and infrastructure to be included in the DC by-law is provided in Appendix G of the DC Background Study. This examination is required as one of the provisions of the DCA.

Additional details on the cost of growth analysis for Transit Services, including the asset management plan, is included in Appendix C.3.

F. Calculated Development Charges

The City's development charge rates have been calculated in accordance with the tests and filters of the legislation. This includes limiting the recovery of General, Protection (e.g. Fire and Police) and Roads Services infrastructure to the 15-year average historical service level; deductions for ineligible shares of projects (e.g. portions of projects that relate to the replacement of existing infrastructure and/or provide a benefit to the existing community) and deductions for shares of projects that will provide a benefit to development beyond the identified planning periods.



Taking into consideration these factors, the following are the calculated development charge rates that relate to the increase in need for services arising from new development over the identified planning periods on a citywide and area specific basis.

The charges for each unit type are summarize in the table below.

Table 3 - Calculated Residential and Non-Residential Development Charges

| Description | Single & Semi- Detached \$/unit | 1 | Other Multiples \$/unit | Apartments - Bedrooms \$/unit | Ba | chelor and Bedroom \$/unit | Special re/ Special Dwelling \$/unit |
|---|--|----|-------------------------------|-------------------------------|----|----------------------------------|---|
| City-wide General | \$ 23,633 | \$ | 17,709 | \$ 14,790 | \$ | 9,614 | \$ 7,395 |
| City-wide Enginnering | \$ 74,635 | \$ | 55,936 | \$ 46,708 | \$ | 30,361 | \$ 23,354 |
| Total City-wide | \$ 98,268 | \$ | 73,645 | \$ 61,498 | \$ | 39,975 | \$ 30,749 |
| Area-Specific Former Municipal Boundary | \$ 13,603 | \$ | 10,195 | \$ 8,513 | \$ | 5,534 | \$ 4,257 |
| Total City-wide | \$ 98,268 | \$ | 73,645 | \$ 61,498 | \$ | 39,975 | \$ 30,749 |
| Total Area-Specific Former Municipal Boundary | \$ 111,871 | \$ | 83,840 | \$ 70,011 | \$ | 45,509 | \$ 35,006 |
| Area-Specific Salem & Hewitt's | \$ 27,806 | \$ | 20,839 | \$ 17,402 | \$ | 11,311 | \$ 8,700 |
| Total City-wide | \$ 98,268 | \$ | 73,645 | \$ 61,498 | \$ | 39,975 | \$ 30,749 |
| Total Area-Specific Salem & Hewitt's | \$ 126,074 | \$ | 94,484 | \$ 78,900 | \$ | 51,286 | \$ 39,449 |

| Description | Re | Retail \$/m2 | | lon-Retail \$/m2 |
|---|----|--------------|----|---------------------|
| City-wide General | \$ | 49.86 | \$ | 28.39 |
| City-wide Enginnering | \$ | 492.54 | \$ | 284.83 |
| Total City-wide | \$ | 542.40 | \$ | 313.22 |
| Area-Specific Former Municipal Boundary | \$ | 65.28 | \$ | 41.10 |
| Total City-wide | \$ | 542.40 | \$ | 313.22 |
| Total Area-Specific Former Municipal Boundary | \$ | 607.68 | \$ | 354.32 |
| Area-Specific Salem & Hewitt's | \$ | 193.23 | \$ | 78.46 |
| Total City-wide | \$ | 542.40 | \$ | 313.22 |
| Total Area-Specific Salem & Hewitt's | \$ | 735.63 | \$ | 391.68 |

G. Development Charges By-Law Practices and Collection Policies

 It is recommended that existing practices regarding collection of development charges and by-law administration continue to the extent possible.



- As required under the DCA, the City should codify any rules regarding application of the by-laws and any exemptions within the development charges by-laws proposed for adoption.
- It is recommended that Council adopt the development-related capital program included in this background study, subject to annual review through the City's normal capital budget process. Any excess capacity that occurs over the life of the DC By-law is expected to be recovered from future development as part of the capital plans approved by Council during this period.

H. Approved 2023 Development Charge By-Law

The City's enacted and approved DC By-law is provided in Appendix I of this report.



1. Introduction

This City of Barrie Development Charges (DC) Background Study is presented as part of a process to lead to the approval of a new development charge by-law in compliance with the *Development Charges Act, 1997* (DCA).

The *DCA* and *O. Reg. 82/98* require that a DC background study be prepared in which development charges are determined with reference to:

- The average capital service levels provided in the City over the 15-year period immediately preceding the preparation of the background study;
- A review of future capital projects, including an analysis of gross expenditures, funding sources, and net expenditures incurred, or to be incurred, by the City or its local boards to provide for the expected development, including the determination of the eligible and ineligible components of the capital projects; and,
- An examination of the long-term capital and operating costs for the capital infrastructure required for each service to which the development charges by-laws would relate.

This study presents the results of the review which determines the development-related net capital costs which are attributable to development that is forecast to occur in the City. These development-related net capital costs are then apportioned among various types of development (residential; non-residential) in a manner that reflects the increase in the need for each service attributable to each type of development. The study arrives, therefore, at calculated development charges for various types of development.



The *DCA* provides for a period of public review and comment regarding the proposed development charges. Following completion of this process in accordance with the *DCA*, Council will review this study, and comments received regarding this study or other information brought to Council's attention about the proposed charges. Council will then pass a new development charges by-law for the City.

The remainder of this study sets out the information and analysis upon which the proposed development charges are based.

A. Legislative Context

The study is prepared in accordance with the *DCA* and associated regulations, including the amendments that came into force most recently on November 28, 2022 as per *Bill 23: More Homes Built Faster Act, 2022*. Key legislative changes include:

- Five-year mandatory phase-in of the calculated DC rates (beginning with a 20% reduction in Year 1, decreasing by 5% annually until Year 5);
- Historical service level standards have been extended from a 10 to 15year planning period;
- DC by-laws now expire every 10 years instead of 5 years;
- The amount of interest paid on DC deferrals and freeze is capped at prime plus 1%;
- Costs associated with studies and affordable housing services are now ineligible for recovery through DCs;
- Municipalities must spend <u>or</u> allocate 60% of available DC reserve funds per year for roads, water and wastewater services; and
- Discounts for purpose built rentals based on the number of bedrooms.



The *DCA* was also amended to exempt affordable and attainable housing developments from the payment of DCs; however, the regulations which will define these types of units have not yet been released and therefore, these changes are not yet in force.

B. Relevant Analysis

The underlying assumptions and calculation methodologies contained in the DC Background Study have been informed by a range of inputs including the City's capital budget, existing master plans, discussions with City staff and capital cost analysis completed by other consultants.

Of particular relevance, the City retained external consultants to update infrastructure costs identified in the existing master plans related to roads, water, wastewater and storm drainage infrastructure needs. These updated costs have been used for the purposes of the DC Background Study update.

C. Consultation and Approval Process

The following provides a summary of the consultation and approval process undertaken to complete the DC Background Study. Following the release of the DC Background Study, consultation continued with the public and development industry stakeholders prior to the passage of the new DC Bylaw in June 2023.



Table 4 – Timeline of Consultation and Approval Process

| Activity | Timeline |
|--|-------------------|
| Technical Stakeholder Consultation | January 23, 2023 |
| Sessions Prior to Release of DC | January, 24, 2023 |
| Background Study | January 25, 2023 |
| | February 27, 2023 |
| | February 28, 2023 |
| | March 6, 2023 |
| Public Release of DC Background Study | April 21, 2023 |
| Technical Stakeholder Consultation | May 1, 2023 |
| Sessions Following the Release of the DC | |
| Background Study | |
| Statutory Public Meeting | May 10, 2023 |
| Passage of 2023 DC By-law | June 21, 2023 |

2. The DC Methodology Aligns Development-Related Costs and Benefits

Several key steps are required in calculating a development charge. However, specific circumstances arise in each municipality which must be reflected in the calculation. In this study, we have tailored our approach to the City of Barrie's unique circumstances. The approach to the calculated development charges is focused on providing a reasonable alignment of development-related costs with the development that necessitates them. This study calculates charges on a City-wide and area-specific basis which is consistent with the City of Barrie's 2023 Development Charges Study.

A. Consideration for Area Rates Services

In accordance with the *DCA*, Council must give consideration to the use of area rating, also known as area-specific development charges, as part of the development charges background study. The City of Barrie has historically used both City-wide and area-specific charges and this practice is anticipated to continue into the future.

The rationale for the City-wide and area-specific development charges are discussed further in following sections.

B. Both City-Wide and Area-Specific Development Charges are Calculated

Barrie provides a range of services to its community and has a sizeable inventory of facilities, land, infrastructure, vehicles and equipment. The *DCA* provides the City with flexibility when defining services that will be included in the development charge by-law, provided that the other provisions of the *Act* and Regulations are met. The *DCA* also permits the City to designate, in



its by-laws, the areas within which the development charges shall be imposed. The charges may apply to all lands in the City or to other designated development areas as specified in the by-law.

i. Services Based on a City-Wide Approach

For the majority of services that the City provides, a range of capital facilities, land, equipment and infrastructure is available throughout the City; arenas, community centres, pools, libraries, fire and police stations, arterial roads, transit, parks and so on. As new development occurs, new facilities will need to be added so that service levels in newly developing areas are provided for at levels enjoyed in existing communities. A widely accepted method for sharing the development-related capital costs for such City services is to apportion them over all new growth anticipated in the City.

The following services are included in the City-wide development charge calculation:

- Library Services
- Protection Services
- Parks and Recreation
- Long Term Care
- Paramedic Services
- Services Related to a Highway: Public Works and Fleet
- Waste Diversion Services
- Transit Services
- Services Related to a Highway: Roads & Related
- Water Services Facilities
- Water Services Facilities Related Debt
- Wastewater Services Facilities
- Wastewater Services Facilities Related Debt



These services form a reasonable basis on which to plan and administer the development charges. It is noted that the analysis of each of these services examines the individual capital facilities and equipment that make them up.

The resulting development charge for these services would be imposed against all development anywhere in the City.

ii. Services Based on an Area-Specific Approach

For some services that the City provides, the need for development-related capital additions to support anticipated development is more localized. For such services, where costs and benefits are more localized, an alternative technique — the area-specific approach — is employed.

The area-specific charges relate to the provision of stormwater drainage, water distribution and wastewater collection. Charges for these services are called area-specific development charges (ASDC) and are consistent with the City's existing development charges for such works.

The area-specific approach for these services reflects the fact that the demand for, and benefit from, the projects provided by the City is much more localized than that for other City services. Area-specific charges result in a more accurate distribution of costs among developers than the Citywide approach. The geographic areas that are included coincide with the specific service area for each project.

The following services have been included in the development charge analysis on an area-specific basis:

Former Municipal Boundary:

- Stormwater Drainage and Control
- Water Services Distribution Systems
- Wastewater Services Collection Systems



Secondary Plan Areas (Salem and Hewitt's):

- Water Services Distribution Systems
- Wastewater Services Collection Systems

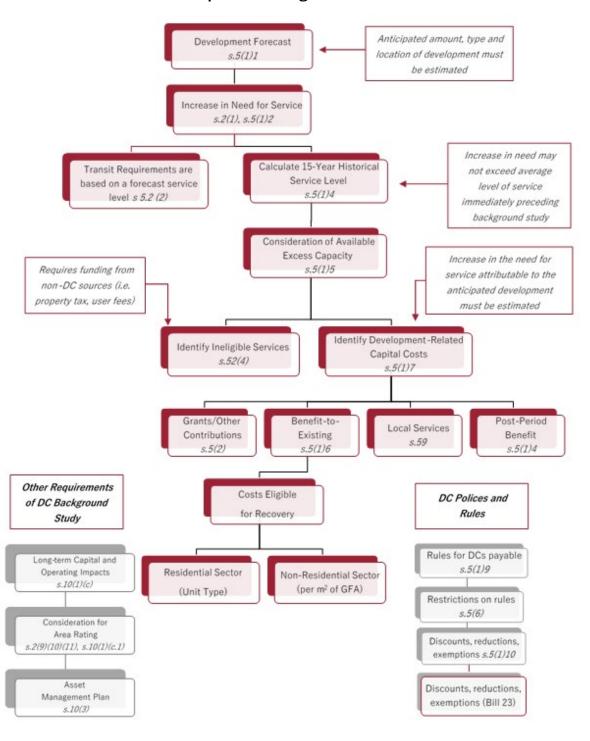
C. Key Steps in Determining Development Charges for Future Development-Related Projects

Several key steps are required in calculating development charges for future development-related projects. These are summarized in Figure 1 and discussed further in the following sections.



Figure 1

Development Charge Calculation



i. Development Forecast

The first step in the methodology requires a development forecast to be prepared for the 10-year study period, 2023–2032, for general services and growth to 2041 for all other engineered services. A City-wide and areaspecific forecast was also proposed.

For the residential portion of the forecast both the Census population growth and population growth in new units is estimated. Net population growth determines the need for additional facilities and provides the foundation for the development-related capital program.

The non-residential portion of the forecast estimates the gross floor area (GFA) of building space to be developed over the 10-year period, 2023-2032, and to 2041. The forecast of GFA is based on the employment forecast for the City. Factors for floor space per worker by category are used to convert the employment forecast into gross floor areas for the purposes of the development charges study.

ii. Service Categories and Historical Service Levels

The *DCA* provides that the increase in the need for service attributable to anticipated development:

... must not include an increase that would result in the level of service exceeding the average level of that service provided in the Municipality over the 15-year period immediately preceding the preparation of the background study...(s. 5. (1) 4.)

Historical 15-year average service levels thus form the basis for development charges. A review of the City's capital service levels for buildings, land, vehicles, and so on has therefore been prepared as a reference for the calculation so that the portion of future capital projects that may be included in the development charge can be determined. The



historical service levels used in this study have been calculated based on the period 2008 - 2022.

In the case of Transit Ridership, the need for service is to be based on the future planned level of service. For the purposes of this study, the Transit capital program is considered to be the future planned level of service.

iii. Development-Related Capital Program and Analysis of DC Eligible Costs to be Recovered Through Development Charges

A development-related capital program has been prepared by the City's departments as part of the present study. The program identifies development-related projects and their gross and net municipal costs, after allowing for capital grants, subsidies or other recoveries as required by the *Act* (*DCA*, s. 5. (2)). The capital program provides another cornerstone upon which development charges are based. The *DCA* requires that the increase in the need for service attributable to the anticipated development may include an increase:

... only if the council of the Municipality has indicated that it intends to ensure that such an increase in need will be met. (s. 5. (1) 3.)

In conjunction with *DCA*, s. 5. (1) 4. referenced above, these sections have the effect of requiring that the development charge be calculated on the lesser of the historical 15-year average service levels or the service levels embodied in future plans of the City. The development-related capital program prepared for this study ensures that development charges are only imposed to help pay for projects that have been or are intended to be purchased or built in order to accommodate future anticipated development. It is not sufficient in the calculation of development charges merely to have had the service in the past. There must also be a demonstrated commitment to continue to emplace facilities or infrastructure in the future. In this regard, *O. Reg. 82/98*, s. 3 states that:



For the purposes of paragraph 3 of subsection 5 (1) of the *Act*, the council of a Municipality has indicated that it intends to ensure that an increase in the need for service will be met if the increase in service forms part of an official plan, capital forecast or similar expression of the intention of the council and the plan, forecast or similar expression of the intention of the council has been approved by the council.

For some projects in the development-related capital program, a portion of the project may confer benefits to existing residents. As required by the *DCA*, s. 5. (1) 6., these portions of projects and their associated net costs are the funding responsibility of the City from non-development charges sources. The amount of municipal funding for such non-DC-eligible shares of projects is also identified as part of the preparation of the development-related capital program.

There is also a requirement in the *DCA* to reduce the applicable development charge by the amount of any "uncommitted excess capacity" that is available for a service. Such capacity is available to partially meet the future servicing requirements. Adjustments are made in the capital program analysis to meet this requirement of the *DCA*.

iv. Attribution to Types of Development

The next step in the determination of development charges is the allocation of the development-related net capital costs between the residential and the non-residential sectors. In the City of Barrie, the allocation for general and engineered services is based on the consideration of projected changes in population and employment over the planning periods. The exceptions are for the services of library, parks and recreation and long-term care. The development-related costs for these services have been allocated 100% to residential growth.



The residential component of the development charge is applied to different housing types based on average occupancy factors. The non-residential component is applied on the basis of gross building space in square metres for non-residential development.

v. Final Adjustment

The final determination of the development charge results from adjustments made to development-related DC eligible costs for each service and sector resulting from the application of any unallocated growth-related reserve fund balances that are available to finance the development-related capital costs in the capital program. A cash flow analysis is also undertaken to account for the timing of projects and receipt of development charges. Interest earnings or borrowing costs are therefore accounted for in the calculation as allowed under the *DCA*.



3. Development Forecast

This section summarizes the growth forecast used to calculate the development charges for the City of Barrie. Appendix A contains additional material related to the growth forecast.

The forecasts are premised on the City achieving population and employment forecasts identified in the Municipal Comprehensive Review (MCR) Long-Term Urban Land Needs Study, City of Barrie, May 21, 2019 (MCR Long-Term Urban Land Needs Study, 2019), updated to reflect available 2021 Census data.

A. Residential Growth Forecast

Table 5 provides a summary of the City-wide and area-specific residential forecast for two planning periods: a 10-year planning period, 2023 to 2032, and a 19-year planning horizon of 2023 to 2041. The 10-year planning period is used throughout this study for the General services and Transit, and the longer planning period is used for the other Engineered services.

Over the planning period from 2023 to 2032, the total number of new residential units will increase by 25,000, which translates into a population in new units of approximately 57,050 additional people. Of the 25,000 units approximately 47% will be built within the Former Municipal Boundary and the remaining 53% will be built in the Salem and Hewitt's Secondary Plan Area. The forecast has projected growth in the 2023 to 2041 period to accommodate 92,920 new persons in 42,500 new housing units. Of these housing units, 59% will be located within the Former Municipal Boundary and 41% will be located in in the Salem and Hewitt's Secondary Plan Area.

It should be noted that all population figures used in the DC Background Study are Census population figures, net of undercount. The DC Background



Study relies on the Census data without the undercount as it is consistent with the Census household data set. Both population and household figures are utilized in this DC Background Study so it is critical that a common and consistent data set is used.

A summary of the residential growth forecast can be found in Table 5.

B. Non-Residential Growth Forecast

The forecast employment for the City of Barrie is based on four major land use planning types: population-related, employment land, major office, and institutional.

The non-residential portion of the forecast estimates the amount of building space to be developed in the City over the 10 and 19-year planning periods. The forecast is based on the projected increase in employment levels and the anticipated amount of new building space required to accommodate them.

The 10-year forecast projects an increase of 18,460 new employees which can be accommodated in 1.36 million square metres of new non-residential building space. For the planning period to 2041, the City will see a growth of 41,540 new employees and roughly 2.97 million square metres of new non-residential building floor area. Over the long-term planning period, about 66% of new employment will be located within the City's Former Municipal Boundary.

A summary of the non-residential growth forecast can be found in Table 5.



TABLE 5

CITY OF BARRIE SUMMARY OF RESIDENTIAL AND NON-RESIDENTIAL GROWTH FORECAST

| Growth Forecast | 2022 Estimate | | General Services 2023 - 2032 | | Engineered Services 2023 - 2041 | |
|---|------------------|-----------|---------------------------------|-----------|------------------------------------|--|
| | | Growth | Total at 2032 | Growth | Total at 2041 | |
| City-wide Forecast | | | 2032 | | 2041 | |
| Residential | | | | | | |
| Occupied Dwellings | 57,445 | 25,008 | 82,453 | 42,505 | 99,950 | |
| Occupied Dweilings | 57,445 | 25,006 | 02,433 | 42,505 | 33,330 | |
| Population | | | | | | |
| Census Population | 152,641 | 54,830 | 207,471 | 92,659 | 245,300 | |
| Population Growth In New Dwelling Units | | 57,051 | | 92,924 | | |
| Non-Residential | | | | | | |
| Total Place of Work Employment* | | 18,459 | | 41,539 | | |
| Population-Related | | 7,159 | | 16,339 | | |
| Employment Land | | 6,730 | | 13,920 | | |
| Major Office | | 277 | | 1,457 | | |
| Institutional | | 4,293 | | 9,823 | | |
| mstitutional | | 4,293 | | 9,023 | | |
| Non-Residential Building Space (sq.m.)* | | 1,362,830 | | 2,974,030 | | |
| Former Municipal Boundary | | | | | | |
| Residential | | | | | | |
| Occupied Dwellings | 56,872 | 11,848 | 68,720 | 25,157 | 82,029 | |
| Population | | | | | | |
| Census Population | 151,412 | 21,504 | 172,916 | 49,906 | 201,31 | |
| Population Growth In New Dwelling Units | | 23,171 | | 48,436 | | |
| Non-Residential | | | | | | |
| Total Place of Work Employment* | | 11,668 | | 27,601 | | |
| | | 5,011 | | 12,254 | | |
| Population-Related | | | | | | |
| Employment Land | | 3,701 | | 6,960 | | |
| Major Office | | 166 | | 1,020 | | |
| Institutional | | 2,790 | | 7,367 | | |
| Non-Residential Building Space (sq.m.)* | | 829,210 | | 1,845,820 | | |
| Salem & Hewitt's Secondary Plan Area | | | | | | |
| Residential | | | | | | |
| Occupied Dwellings | 573 | 13,160 | 13,733 | 17,348 | 17,92 | |
| Population | | | | | | |
| Census Population | 1,229 | 33,326 | 34,555 | 42,753 | 43,98 | |
| Population Growth In New Dwelling Units | _, | 33,879 | - 1, | 44,486 | , | |
| Non-Residential | | | | | | |
| Total Place of Work Employment* | | 6,791 | | 13,938 | | |
| Population-Related | | 2,148 | | 4,085 | | |
| Employment Land | | 3,029 | | 6,960 | | |
| Major Office | | 111 | | 437 | | |
| Institutional | | 1,503 | | 2,456 | | |
| | | , - | | , - | | |
| | | 533,545 | | 1,128,135 | | |

^{*}Represents employment in new space and new non-residential building space



4. Summary of Historical Capital Service Levels

The *DCA* and *O. Reg. 82/98* require that the development charges be set at a level no higher than the average service level provided in the City over the 15-year period immediately preceding the preparation of the background study, on a service-by-service basis.

For general services (library, protection, park and recreation etc.) and roads and related infrastructure the legislative requirement is met by documenting historical service levels for the preceding 15 years, in this case, for the period 2008 to 2022. Typically, service levels for general services are measured as a ratio of inputs per capita or per capita and employee.

O. Reg. 82/98 requires that when determining historical service levels both quantity and quality of service be taken into consideration. In most cases, the service levels are initially established in quantitative terms. For example, service levels for buildings are presented in terms of square feet per capita. The qualitative aspect is introduced by the consideration of the monetary value of the facility or service. In the case of buildings, for example, the cost would be shown in terms of dollars per square foot to replace or construct a facility of the same quality. This approach helps to ensure that the development-related capital facilities that are to be charged to new development reflect not only the quantity (number and size) but also the quality (value or replacement cost) of service provided historically by the City. Both the quantitative and qualitative aspects of service levels used in the present analysis are based on information provided by City staff based on historical records and their experience with costs to acquire or construct similar facilities, equipment and infrastructure.



In the case of Transit Services, the development charge calculation is based on the planned level of service. For the purposes of this study the 10-year Transit services capital program is considered the planned level of service (see details in Appendix C).

Table 6 summarizes service levels for all City-wide general services included in the development charge calculation (excluding Transit, but including Roads). Appendix B – General services and Appendix D – Engineered services provides detailed historical inventory data upon which the calculation of service levels is based for General and Roads Services.



TABLE 6

CITY OF BARRIE SUMMARY OF AVERAGE HISTORIC SERVICE LEVELS 2008 - 2022

| | | | 2008 - 2022 | | |
|-----|---|---------------|-----------------------------|--|--|
| Sei | Service | | Service Level | | |
| | | | Indicator | | |
| 1.0 | LIBRARY SERVICES | ¢452.00 | per capita | | |
| 1.0 | Buildings | | per capita | | |
| | Land | | per capita | | |
| | Materials | | per capita | | |
| | Waterials | Ψ/1.03 | per capita | | |
| 2.0 | PROTECTION SERVICES | \$799.56 | per population & employment | | |
| | Fire Services | | | | |
| | Buildings | \$230.82 | per population & employment | | |
| | Land | \$17.30 | per population & employment | | |
| | Vehicles | \$118.77 | per population & employment | | |
| | Equipment | \$16.54 | per population & employment | | |
| | Police Services | | | | |
| | Buildings | | per population & employment | | |
| | Land | \$57.76 | per population & employment | | |
| | Equipment | | per population & employment | | |
| | Vehicles | \$40.41 | per population & employment | | |
| 3.0 | SERVICES RELATED TO A HIGHWAY: PUBLIC WORKS AND FLEET | \$630.23 | per capita | | |
| | Buildings | | per capita | | |
| | Land | | per capita | | |
| | Fleet & Equipment | \$172.08 | per capita | | |
| 3.0 | TRANSIT SERVICES | N/A | | | |
| 4.0 | PARKS AND RECREATION | \$4.637.13 | per capita | | |
| | Indoor Recreation | | per capita | | |
| | Outdoor Buildings | | per capita | | |
| | Parkland | | per capita | | |
| | Parks Fleet | | per capita | | |
| | Parks Equipment | \$2.05 | per capita | | |
| 5.0 | WASTE DIVERSION SERVICES | \$391.09 | per capita | | |
| 0.0 | Buildings | | per capita | | |
| | Land | | per capita | | |
| | Furniture & Equipment | | per capita | | |
| | Fleet | | per capita | | |
| | AMPLII ANOF OFFICE | #00.11 | | | |
| ხ.0 | AMBULANCE SERVICES | | per population & employment | | |
| | Buildings | | per population & employment | | |
| | Land | | per population & employment | | |
| | Vehicles | | per population & employment | | |
| | Furniture & Equipment | \$1.12 | per population & employment | | |
| 7.0 | LONG TERM CARE SERVICES | \$203.16 | per population & employment | | |
| | Buildings - Manors | \$194.03 | per population & employment | | |
| | Land - Manors | \$9.13 | per population & employment | | |
| 8.0 | SERVICES RELATED TO A HIGHWAY: ROADS | \$41,598.80 | per population & employment | | |
| | Roads | | per population & employment | | |
| | Traffic Signals | | per population & employment | | |
| | Structures | | per population & employment | | |
| | | | | | |



5. The Development-Related Capital Program

A. A Development-Related Capital Program is Provided for Council's Approval

The *DCA* requires the Council of a Municipality to express its intent to provide future capital facilities at the level incorporated in the development charges calculation. As noted above in Section 2, *O. Reg. 82/98*, s. 3 states that:

For the purposes of paragraph 3 of subsection 5 (1) of the Act, the council of a Municipality has indicated that it intends to ensure that an increase in the need for service will be met if the increase in service forms part of an official plan, capital forecast or similar expression of the intention of the council and the plan, forecast or similar expression of the intention of the council has been approved by the council.

Based on the growth forecasts summarized in Section 3 and detailed in Appendix A, City staff, in collaboration with the consultants, developed a development-related capital program setting out those projects that are required to service anticipated development. For all General services and Transit the capital program covers the 10-year period from 2023 to 2032. The development charge for engineered services is based on development expected in the City to 2041 which aligns with the City's master servicing plans.

One of the recommendations contained in the DC Background Study is for Council to adopt the development-related capital program derived for the purposes of the development charges calculation. It is assumed that future capital budgets and forecasts will continue to bring forward the



development-related projects contained herein that are consistent with the development occurring in the City. It is acknowledged that changes to the capital program presented here may occur through the City's normal capital budget process.

B. The Development-Related Capital Program for General Services

A summary of the growth-related capital forecast for General services is presented in Table 7.

The table provides a separate total for services analysed over the 10-year period, 2023–2032. Further details on the capital programs for each individual service category are available in Appendix B.

The development-related capital program for general services estimates a total gross cost of \$1.00 billion. Approximately \$114.23 million in grants and subsidies has been identified. Therefore, the net municipal cost of the capital program is approximately \$887.93 million.

This capital program incorporates those projects identified to be related to development anticipated in the next 10 years. It is not implied that all of these costs are to be recovered from new development by way of development charges (see Section 6 for the method and determination of net municipal costs attributable to development). Portions of this capital program may relate to providing servicing for development which has occurred prior to 2023 (for which development charge reserve fund balances exist), for replacement of existing capital facilities, or for development anticipated to occur beyond the 2023 – 2032 planning period.



TABLE 7

CITY OF BARRIE SUMMARY OF DEVELOPMENT-RELATED CAPITAL FORECAST FOR GENERAL AND TRANSIT SERVICES 2023 - 2032 (in \$000)

| General and Transit Services | Gross Cost | Grants/ Subsidies | Municipal Cost |
|---|---------------|----------------------|-------------------|
| 1.0 LIBRARY SERVICES | \$42,850.0 | \$0.0 | \$42,850.0 |
| 2.0 PROTECTION SERVICES | \$71,675.3 | \$0.0 | \$71,675.3 |
| 3.0 PARKS AND RECREATION | \$435,732.6 | \$0.0 | \$435,732.6 |
| 4.0 SERVICES RELATED TO A HIGHWAY: PUBLIC WORKS | \$128,625.0 | \$0.0 | \$128,625.0 |
| AND FLEET | | | |
| 5.0 TRANSIT SERVICES | \$178,731.2 | \$19,950.0 | \$158,781.2 |
| 6.0 AMBULANCE SERVICES | \$34,835.9 | \$16,465.5 | \$18,370.5 |
| 7.0 LONG TERM CARE | \$86,283.7 | \$77,817.6 | \$8,466.1 |
| 8.0 WASTE DIVERSION | \$23,434.0 | \$0.0 | \$23,434.0 |
| TOTAL GENERAL & TRANSIT SERVICES (2023-2032) | \$1,002,167.8 | \$114,233.1 | \$887,934.7 |



The capital program associated with **Library Services** relates to the plans for three net new library branches, a reconfiguration of the existing downtown branch, and also additional growth-related collection materials. The total net municipal cost for this program totals to \$42.85 million.

Protection Services is made up of Fire Protection Services and Police Protection Services. Included in the capital program is the recovery of the negative reserve fund balance, and the shared Barrie Simcoe Emergency Services Campus - Phase 2. Fire Protection Services has plans to construct a new fire station, construct a new building on an existing site, and develop a new site for a municipal campus. Also included in the capital program are two new rescue trucks, additional firefighters and officers, as well as the associated outfitting that will be purchased in the 10-year planning period. Police Protection Services has plans to purchase new vehicles and cruisers, as well as various equipment purchases. The net municipal cost of the entire capital program is therefore \$71.67 million.

Parks and Recreation has a net municipal cost \$435.73 million in the capital program. This includes parkland development across the entire City of Barrie (including the Former Boundary and Salem & Hewitt's areas), two new recreation facilities, and various fleet additions.

The **Services Related to a Highway: Public Works and Fleet** capital program provides for various additions to the fleet and equipment, as well as a new South Operations Facility in the Secondary Plan Area. A provision for new office space is also included. The net cost of the program is \$128.62 million.

The net municipal cost of the **Transit Services** capital program is \$158.78 million and recovers for debenture payments for the Transit Garage, the purchases of various new fleet and equipment, a new buildings. These buildings include Allandale Transit Hub Development (Relocation & Expansion), a terminal facility, and a garage facility.



The County of Simcoe delivers **Ambulance Services** to its area municipalities and the separated Cities of Barrie and Orillia. The City of Barrie is required to contribute to capital costs incurred by this service based on their weighted taxable assessment, as such, the City's share of the program is 25%. The program provides for the purchase of land, construction of stations and hubs, and additional emergency response vehicles. The gross cost of the program is \$34.83 million, however, the City's net municipal cost is \$18.37 million.

The County of Simcoe delivers **Long Term Care** to its area municipalities and the separated Cities of Barrie and Orillia. The City of Barrie is required to contribute to capital costs incurred by this service based on their weighted taxable assessment, as such, the City's share of the program is 11.17%. The net municipal cost for this program amounts to \$8.47 million, which does not include the affordable housing component.

The net municipal cost of the **Waste Diversion** capital program is \$23.43 million and recovers the purchases of a new transfer station and a provision for an additional facility, and the associated additional carts and containers.



C. Development-Related Capital Program for City-wide and Area-Specific Engineered services

Table 8 provides a summary of the 2022 – 2041 City-Wide and Area-Specific Engineered services capital program. The capital program is comprised of roads, water facilities, wastewater facilities, water distribution, wastewater collection and storm water management projects.

i. City-Wide Infrastructure

The gross cost of the capital program amounts to \$4.80 billion and includes for the recovery of roads, water, wastewater facilities and related debt. The following describes the City-wide engineering infrastructure:

The **Services Related to a Highway: Roads** projects are comprised of new roads, interchanges, roundabouts, road widenings, streetscape improvements and active transportation infrastructure.

Water Services Facilities and Water Services Facilities Related Debt relates to the plant and associated infrastructure (e.g. Water System Upgrades, SWTP Optimization) and the recovery of debenture financed projects. Similarly, Wastewater Services Facilities and Wastewater Services Facilities Related Debt relates to the plant and associated infrastructure (e.g. Wastewater Treatment Plant, Primary Clarifiers, MBR Retrofits) and the recovery of debenture financed projects.

ii. Former Municipal Boundary Infrastructure

In total, the infrastructure related to the Former Municipal Boundary totals \$662.24 million and includes stormwater drainage, water distribution and wastewater collection.

Stormwater Drainage and Collection includes projects related to culverts, storm sewers, watercourse improvements etc. **Water Services** -



Distribution and **Wastewater Services - Collection includes** linear infrastructure.

iii. Salem & Hewitt's Secondary Plan Area Infrastructure

The Salem and Hewitt's Secondary Plan Area includes the recovery of \$416.72 million in water distribution and wastewater collection.

Water Services - Distribution and Wastewater Services - Collection includes linear infrastructure.



TABLE 8

CITY OF BARRIE SUMMARY OF DEVELOPMENT-RELATED CAPITAL FORECAST AND ENGINEERED SERVICES 2023 - 2041 (in \$000)

| Fng | gineered Services | Gross | Grants/ | Municipal |
|-----|---|---------------|-----------|---------------|
| | 5.1100104 00141000 | Cost | Subsidies | Cost |
| CIT | Y-WIDE SERVICES | | | |
| 1 | SERVICES RELATED TO A HIGHWAY: ROADS | \$4,001,874.4 | \$0.0 | \$4,001,874.4 |
| 2 | WATER SERVICES - FACILITIES | \$13,513.1 | \$0.0 | \$13,513.1 |
| 3 | WATER SERVICES - FACILITIES RELATED DEBT | \$151,602.3 | \$0.0 | \$151,602.3 |
| 4 | WASTEWATER SERVICES - FACILITIES | \$524,555.9 | \$0.0 | \$524,555.9 |
| 5 | WASTEWATER SERVICES - FACILITIES RELATED DEBT | \$108,531.3 | \$0.0 | \$108,531.3 |
| тот | AL CITY-WIDE SERVICES | \$4,800,077.0 | \$0.0 | \$4,800,077.0 |
| FOR | MER MUNICIPAL BOUNDARY | | | |
| 1 | STORMWATER DRAINAGE AND CONTROL SERVICES | \$455,298.7 | \$0.0 | \$455,298.7 |
| 2 | WATER SERVICES - DISTRIBUTION SYSTEMS | \$47,709.3 | \$0.0 | \$47,709.3 |
| 3 | WASTEWATER SERVICES - COLLECTION SYSTEMS | \$159,230.1 | \$0.0 | \$159,230.1 |
| тот | AL FORMER CITY OF BARRIE | \$662,238.1 | \$0.0 | \$662,238.1 |
| SAL | EM & HEWITT'S SECONDARY PLAN AREAS | | | |
| 1 | WATER SERVICES - DISTRIBUTION SYSTEMS | \$226,371.9 | \$0.0 | \$226,371.9 |
| 2 | WASTEWATER SERVICES - COLLECTION SYSTEMS | \$190,348.4 | \$0.0 | \$190,348.4 |
| TOT | AL SALEM & HEWITT'S SECONDARY PLAN AREAS | \$416,720.3 | \$0.0 | \$416,720.3 |
| TO | TAL ENGINEERED SERVICES (2023-2041) | \$5,879,035.5 | \$0.0 | \$5,879,035.5 |



6. Development Charges are Calculated in Accordance with the DCA

This section summarizes the calculation of development charges for each service category and the resulting total development charge by type of development. Furthermore, the calculation of the "unadjusted" per capita (residential) and per square metre (non-residential) is presented.

Adjustments are made to these amounts resulting from a cash flow analysis that considers interest earnings and borrowing costs.

For residential development, the adjusted total per capita amount is then converted to a variable charge by housing unit type using unit occupancy factors. For non-residential development, the calculated non-residential charges are based on gross floor area (GFA) of building space.

It is noted that the calculation of the City-wide development charges does not include any provision for exemptions required under the *DCA*. Such legislated exemptions, or other exemptions or reductions which Council may choose to provide, will result in loss of development charge revenue for the affected types of development. Any such revenue loss may not be made up, however, by offsetting increases in other portions of the calculated charge.

A. Unadjusted Development Charge Calculation for City-Wide General Services

A summary of the "unadjusted" residential and non-residential development charges for general services is presented in Table 9. Further details of the calculation for each individual City service category are available in Appendix B and Appendix C.



TABLE 9

CITY OF BARRIE SUMMARY OF UNADJUSTED RESIDENTIAL AND NON-RESIDENTIAL DEVELOPMENT CHARGES 10-YEAR CAPITAL PROGRAM FOR GENERAL SERVICES

| 10 Year Growth in Population in New Units | 57,051 |
|--|-----------|
| 10 Year Growth in Square Metres (Retail) | 357,960 |
| 10 Year Growth in Square Metres (Non-Retail) | 1,004,870 |
| 1 | |

| | | | ent-Related Cap | tal Program (202 | 3 - 2032) | | | | | | | |
|--|-------------------------------------|--|--|--|-------------------------|---|------|-------------------------------|----|----------------------------|-----|------------------------------|
| Service | Total Project Cost (\$000) | Grants/ Subsidies/ Other Contributions (\$000) | Benefit to Existing Share (\$000) | Available DC Reserves (\$000) | Post 2032 (\$000) | Total Cost Eligible For DC Recovery (\$000) | | sidential Share (\$000) | | Retail Share (\$000) | | n-Retail Share (\$000) |
| 1.0 LIBRARY SERVICES | \$42,850.0 | \$0.0 | \$1,350.0 | \$3,169.3 | \$13,492.7 | \$24,838.0 | 100% | \$24,838.0 | 0% | \$0.00 | 0% | \$0.00 |
| Unadjusted Development Charge Per Capita Unadjusted Development Charge Per Sq.M | | | | | | | | \$435.36 | | \$0.00 | | \$0.00 |
| 2.0 PROTECTION SERVICES | \$71,675.3 | \$0.0 | \$24,220.9 | \$0.0 | \$0.0 | \$47,454.4 | 76% | \$35,853.8 | 9% | \$4,499.09 | 15% | \$7,101.51 |
| Unadjusted Development Charge Per Capita Unadjusted Development Charge Per Sq.M | | | | | | | | \$628.45 | | \$12.57 | | \$7.07 |
| 3.0 PARKS AND RECREATION | \$435,732.6 | \$0.0 | \$33,897.4 | \$31,241.5 | \$116,339.9 | \$254,253.8 | 100% | \$254,253.8 | 0% | \$0.00 | 0% | \$0.00 |
| Unadjusted Development Charge Per Capita Unadjusted Development Charge Per Sq.M | | | | | | | | \$4,456.61 | | \$0.00 | | \$0.00 |
| 4.0 SERVICES RELATED TO A HIGHWAY: PUBLIC WORKS AND FLEET | \$128,625.0 | \$0.0 | \$49,245.8 | \$3,176.7 | \$30,013.6 | \$46,188.9 | 76% | \$34,897.7 | 9% | \$4,379.11 | 15% | \$6,912.13 |
| Unadjusted Development Charge Per Capita Unadjusted Development Charge Per Sq.M | | | | | | | | \$611.69 | | \$12.23 | | \$6.88 |
| 5.0 TRANSIT SERVICES | \$178,731.2 | \$19,950.0 | \$16,019.2 | \$0.0 | \$94,802.1 | \$47,959.9 | 76% | \$36,235.8 | 9% | \$4,547.02 | 15% | \$7,177.16 |
| Unadjusted Development Charge Per Capita Unadjusted Development Charge Per Sq.M | | | | | | | | \$635.15 | | \$12.70 | | \$7.14 |
| 6.0 AMBULANCE SERVICES | \$34,835.9 | \$16,465.5 | \$4,216.7 | \$0.0 | \$7,109.9 | \$7,043.8 | 76% | \$5,321.9 | 9% | \$667.81 | 15% | \$1,054.10 |
| Unadjusted Development Charge Per Capita Unadjusted Development Charge Per Sq.M | | | | | | | | \$93.28 | | \$1.87 | | \$1.05 |
| 7.0 LONG TERM CARE | \$86,283.7 | \$77,817.6 | \$5,917.6 | \$100.5 | \$0.0 | \$2,447.9 | 100% | \$2,447.9 | 0% | \$0.00 | 0% | \$0.00 |
| Unadjusted Development Charge Per Capita Unadjusted Development Charge Per Sq.M | | | | | | | | \$42.91 | | \$0.00 | | \$0.00 |
| 8.0 WASTE DIVERSION | \$23,434.0 | \$0.0 | \$0.0 | \$1,253.8 | \$0.0 | \$22,180.2 | 86% | \$19,091.6 | 5% | \$1,197.85 | 9% | \$1,890.72 |
| Unadjusted Development Charge Per Capita Unadjusted Development Charge Per Sq.M | | | | | | | | \$334.64 | | \$6.69 | | \$3.76 |
| TOTAL 10-YEAR GENERAL SERVICES | \$1,002,167.75 | \$114,233.1 | \$134,867.6 | \$38,941.8 | \$261,758.3 | \$452,367.0 | | \$412,940.5 | | \$15,290.9 | | \$24,135.6 |
| Unadjusted Development Charge Per Capita Unadjusted Development Charge Per Sq.M | | | | | | | | \$7,238.09 | | \$46.06 | | \$25.90 |



The capital program for general services incorporates those projects identified to be related to development anticipated in the next 10 years and totals \$1.00 billion in gross costs. However, not all of the capital costs are to be recovered from new development by way of development charges. Table 9 shows that \$134.87 million of the capital program relates to replacement of existing capital facilities or to shares of projects that provide benefit to the existing community. These portions of capital costs will likely be funded from property taxes, user fees or other non-development charge revenue sources.

A share of \$114.23 million has been identified as grant and subsidy funding and has been removed from the municipal cost. An additional share of \$38.94 million has been identified as DC reserve fund monies are available to fund growth-related projects. These funds have been earmarked for specific projects and they have each been identified in Appendix B and Appendix C. This portion has been netted out of the chargeable capital costs. Another share of the forecast, \$261.76 million, is attributable to development beyond the planning period (which will be considered for recovery in future development charges studies or through other growth funding tools, subject to service level considerations).

The total costs eligible for recovery through development charges for general services is \$452.37 million. This amount is allocated between the residential and non-residential (retail and non-retail) sectors to derive the unadjusted development charges. Library Services, Parks and Recreation, and Long Term Care are all deemed to benefit residential development only, while the other services are allocated between both sectors based on shares of Census population and new employment growth. Approximately \$412.94 million of the general services development charges recoverable amount is deemed to benefit residential development.

When this amount of \$412.94 million is divided by the 10-year population growth in new units (57,051), an unadjusted charge of \$7,238.09 per capita



is derived. The non-residential retail share of the general services capital program totals \$15.29 million and when this amount is divided by the 10-year forecast of new non-residential retail space growth (357,960 square metres), an unadjusted charge of \$46.06 per square metre is derived. The non-residential non-retail share of the general services capital program totals \$24.13 million and when this amount is divided by the 10-year forecast of new non-residential space growth (1,004,870 square metres), an unadjusted charge of \$25.90 per square metre is derived.

B. Unadjusted Development Charge Calculation for City-Wide Engineered Services

Table 10 describes the calculation of unadjusted rates for City-wide engineered services. The engineered services capital program totals \$4.80 billion, of which \$2.92 billion is identified to be related to development over the 2023-2041 period. The capital program eligible for recovery through development charges is allocated to the residential and non-residential (retail and non-retail) sectors based on future shares of Census population and employment growth. On this basis, the allocation to the residential and non-residential sectors is calculated at 69.1% for residential, 12.2% for retail, and 18.7% for non-retail.

The residential sector's share of the engineered services capital program is \$2.02 billion. This amount, divided by the population growth in new units to build-out (92,924) is \$21,719.22 per capita.

The retail share of the engineered services capital program is \$354.87 million. This amount, divided by the new non-residential space growth to build-out (816,960 square metres) is \$434.37 per square metre. The non-retail share of the engineered services capital program is \$547.32 million. This amount, divided by the new non-residential space growth to build-out (2.16 million square metres) is \$253.73 per square metre.



CITY OF BARRIE SUMMARY OF UNADJUSTED DEVELOPMENT CHARGES FOR CITY-WIDE ENGINEERED SERVICES 2023 - 2041

City-Wide Long-Term Growth in Population in New Units 92,924 Long-Term Growth in Square Metres (Retail) 816,960 Long-Term Growth in Square Metres (Non-Retail) 2,157,070

| | | Develop | ment-Related | Capital Program | (in \$000s) | | | | | | | |
|--|-------------------|---------------|--------------|-----------------|----------------|----------------|-------|-------------|-------|--------------|-------|--------------|
| | | Grants/ | | | | Total | | | | | | |
| Service | Total | Subsidies/ | Benefit to | Available | | Cost Eligible | Res | sidential | | Retail | No | n-Retail |
| | Project | Other | Existing | DC | Post | For DC | | Share | | Share | | Share |
| | Cost | Contributions | Share | Reserves | 2041 | Recovery | % | (\$000) | % | (\$000) | % | (\$000) |
| CITY-WIDE ENGINEERED SERVICES | | | | | | | | | | | | |
| SERVICES RELATED TO A HIGHWAY: ROADS | \$4,001,874.39 | \$0.00 | \$534,464.23 | \$123,910.44 | \$1,062,707.29 | \$2,280,792.43 | 69.1% | \$1,576,198 | 12.2% | \$277,145.89 | 18.7% | \$427,448.21 |
| Charge per Capita or Chagre per Square Metre | | | | | | | | \$16,962.23 | | \$339.24 | | \$198.16 |
| WATER SERVICES - FACILITIES | \$13,513.11 | \$0.00 | \$1,668.46 | \$584.66 | \$0.00 | \$11,260.00 | 69.1% | \$7,781 | 12.2% | \$1,368.24 | 18.7% | \$2,110.26 |
| Charge per Capita or Chagre per Square Metre | | | | | | | | \$83.74 | | \$1.67 | | \$0.98 |
| WATER SERVICES - FACILITIES RELATED DEBT | \$151,602.26 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$151,602.26 | 69.1% | \$104,769 | 12.2% | \$18,421.64 | 18.7% | \$28,412.11 |
| Charge per Capita or Chagre per Square Metre | | | | | | | | \$1,127.46 | | \$22.55 | | \$13.17 |
| WASTEWATER SERVICES - FACILITIES | \$524,555.94 | \$0.00 | \$93,056.38 | \$40,703.84 | \$22,549.75 | \$368,245.97 | 69.1% | \$254,486 | 12.2% | \$44,746.67 | 18.7% | \$69,013.77 |
| Charge per Capita or Chagre per Square Metre | | | | | | | | \$2,738.64 | | \$54.77 | | \$31.99 |
| WASTEWATER SERVICES - FACILITIES RELATED DEBT | \$108,531.33 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$108,531.33 | 69.1% | \$75,003 | 12.2% | \$13,187.97 | 18.7% | \$20,340.09 |
| Charge per Capita or Chagre per Square Metre | | | | | | | | \$807.15 | | \$16.14 | | \$9.43 |
| TOTAL CITY-WIDE ENGINEERED SERVICES | \$4,800,077.03 | \$0.00 | \$629,189.07 | \$165,198.93 | \$1,085,257.04 | \$2,920,431.98 | | \$2,018,237 | | \$354,870.40 | | \$547,324.44 |
| City-Wide Unadjusted Development Charge Per Capita o | r Dor Causro Mot | ** | | | | | | \$21,719.22 | | \$434.37 | | \$253.73 |
| Gity-wide onaujusted bevelopment charge rei capita o | i i ei Square Met | IC | | | | | | Ψ21,/13.22 | | ψ+34.37 | | Ψ233.73 |



C. Unadjusted Development Charge Calculation for Area-Specific Engineered services

Table 11 describes the calculation of unadjusted rates for the Area-Specific Engineered services in the Former Municipal Boundary and Salem and Hewitt's Secondary Plan Areas. Costs have been allocated based on shares of anticipated population and employment growth in each area.

In the Former Municipal Boundary, the total residential share of \$195.20 million results in an unadjusted residential charge is \$4,030.08 per capita. The unadjusted retail charge is \$58.11 per square metre, and the unadjusted non-retail charge is \$37.18 per square metre.

In Salem and Hewitt's, the unadjusted residential charge is \$7,132.69 per capita. The unadjusted retail charge is \$142.65 per square metre, and the unadjusted non-retail charge is \$76.07 per square metre.

CITY OF BARRIE SUMMARY OF UNADJUSTED DEVELOPMENT CHARGES FOR AREA-SPECIFIC ENGINEERED SERVICES 2023 - 2041

| Former Boundary | |
|--|-----------|
| Long-Term Growth in Population in New Units | 48,436 |
| Long-Term Growth in Square Metres (Retail) | 612,700 |
| Long-Term Growth in Square Metres (Non-Retail) | 1,233,120 |

| Salem & Hewitt's | |
|--|---------|
| Long-Term Growth in Population in New Units | 44,486 |
| Long-Term Growth in Square Metres (Retail) | 204,250 |
| Long-Term Growth in Square Metres (Non-Retail) | 923,885 |

| | | Developm | ent-Related Ca | pital Program (i | n \$000s) | | | | | | | |
|--|--------------------|--------------------------------|------------------------|------------------|-----------|----------------------------------|-------|----------------------------|-------|------------------------|-------|------------------------|
| Service | Total Project | Grants/ Subsidies/ Other | Benefit to Existing | Available DC | Post | Total Cost Eligible For DC | | sidential Share | | Retail Share | | ı-Retail hare |
| | Cost | Contributions | Share | Reserves | 2041 | Recovery | % | (\$000) | % | (\$000) | % | (\$000) |
| FORMER BOUNDARY SERVICES STORMWATER DRAINAGE AND CONTROL SERVICES Charge per Capita or Chagre per Square Metre | \$455,298.70 | \$0.00 | \$340,468.92 | \$4,837.09 | \$0.00 | \$109,992.70 | 80.9% | \$89,035.87 \$1,838.22 | 7.9% | \$8,740.89 \$14.27 | 11.1% | \$12,215.95 \$9.91 |
| WATER SERVICES - DISTRIBUTION SYSTEMS Charge per Capita or Chagre per Square Metre | \$47,709.34 | \$0.00 | \$11,758.11 | \$0.00 | \$0.00 | \$35,951.23 | 63.7% | \$22,901.14 \$472.81 | 16.1% | \$5,793.84 \$9.46 | 20.2% | \$7,256.25 \$5.88 |
| WASTEWATER SERVICES - COLLECTION SYSTEMS Charge per Capita or Chagre per Square Metre | \$159,230.05 | \$0.00 | \$28,518.40 | \$0.00 | \$0.00 | \$130,711.65 | 63.7% | \$83,264.06 \$1,719.05 | 16.1% | \$21,065.28 \$34.38 | 20.2% | \$26,382.31 \$21.39 |
| TOTAL FORMER BOUNDARY SERVICES | \$662,238.09 | \$0.00 | \$380,745.43 | \$4,837.09 | \$0.00 | \$276,655.58 | | \$195,201.07 | | \$35,600.01 | | \$45,854.51 |
| SALEM AND HEWITT'S SERVICES WATER SERVICES - DISTRIBUTION SYSTEMS Charge per Capita or Chagre per Square Metre | \$226,371.93 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$226,371.93 | 76.1% | \$172,367.21 \$3,874.64 | 7.0% | \$15,827.90 \$77.49 | 16.9% | \$38,176.82 \$41.32 |
| WASTEWATER SERVICES - COLLECTION SYSTEMS Charge per Capita or Chagre per Square Metre | \$190,348.42 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$190,348.42 | 76.1% | \$144,937.69 \$3,258.05 | 7.0% | \$13,309.14 \$65.16 | 16.9% | \$32,101.58 \$34.75 |
| TOTAL SALEM & HEWITT'S SERVICES | \$416,720.35 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$416,720.35 | | \$317,304.90 | | \$29,137.04 | | \$70,278.41 |
| Former Boundary Unadjusted Development Charge Per C | Capita or Square I | Vletre | | | | | | \$4,030.08 | | \$58.11 | | \$37.18 |
| Salem & Hewitt's Unadjusted Development Charge Per C | Capita or Charge p | oer Square Metre | e | | | | | \$7,132.69 | | \$142.65 | | \$76.07 |



D. Adjusted Residential and Non-Residential Development Charges for City-Wide General and Engineered Services

Final adjustments to the "unadjusted" development charge rates summarized above are made through a cash flow analysis. The analysis, details of which are included in the appendices, considers the borrowing cost and interest earnings associated with the timing of expenditures and development charge receipts for each service.

Table 12 summarize the results of the adjustment for the residential development charge rates. The adjusted per capita rate for City-wide general and engineered services increases from \$28,957.32 to \$30,749.02 after the cash flow analysis. Residential City-wide development charges are proposed to vary by dwelling unit type to reflect their different occupancy factors and resulting demand for services. The calculated residential development charges for all services are shown in Table 12.

As shown in the table, the calculated residential charge ranges from \$30,749 for a special care/special dwelling unit to \$98,268 for single and semidetached unit. The calculated charge for other multiples is \$73,645, large apartments is \$61,498 and for small apartments is \$39,975.

The calculated non-residential retail development charges rates are presented in Table 13. The calculated unadjusted charge is \$480.44 per square metre. The calculated cash-flow adjusted charge is \$542.40.

The calculated non-residential non-retail development charges rates are presented in Table 14. The calculated unadjusted charge is \$279.64 per square metre. The calculated cash-flow adjusted charge is \$313.22.



E. Adjusted Residential and Non-Residential Development Charges for Area-Specific Engineered services

Table 12 also summarize the results of the adjustment for the area-specific services residential development charge rates. The adjusted per capita rate increases from \$4,030.08 to \$4,256.70 after the cash flow analysis in the Former Municipal Boundary, and from \$7,132.69 to \$8,700.91 in the Salem and Hewitt's area.

The calculated non-residential retail development charges rates are presented in Table 13. The calculated unadjusted charge is \$58.10 per square metre, and the calculated cash-flow adjusted charge is \$65.28 in the Former Municipal Boundary. The calculated unadjusted charge is \$142.65 per square metre, and the calculated cash-flow adjusted charge is \$193.23 in the Salem and Hewitt's area.

The calculated non-residential non-retail development charges rates are presented in Table 14. The calculated unadjusted charge is \$37.19 per square metre, and the calculated cash-flow adjusted charge is \$41.10 in the Former Municipal Boundary. The calculated unadjusted charge is \$76.07 per square metre, and the calculated cash-flow adjusted charge is \$78.46 in the Salem and Hewitt's area.



CITY OF BARRIE CITY-WIDE DEVELOPMENT CHARGES RESIDENTIAL DEVELOPMENT CHARGES BY UNIT TYPE

| | | Reside | ntial Charge By U | nit Type | | |
|---|---------------------------|-----------------|------------------------|-----------------------------------|--|-------------------------|
| Service | Single & Semi-Detached | Other Multiples | Apartments 2+ Bedrooms | Apartments Bachelor and 1 Bedroom | Special Care/ Special Dwelling Units | Percentage of Charge |
| Library Services | \$1,425 | \$1,068 | \$892 | \$580 | \$446 | 1.5% |
| Protection Services | \$2,227 | \$1,669 | \$1,394 | \$906 | \$697 | 2.3% |
| Parks And Recreation | \$14,300 | \$10,717 | \$8,949 | \$5,817 | \$4,475 | 14.6% |
| Services Related To A Highway: Public Works And Fleet | \$2,030 | \$1,521 | \$1,270 | \$826 | \$635 | 2.1% |
| Transit Services | \$1,861 | \$1,394 | \$1,164 | \$757 | \$582 | 1.9% |
| Long Term Care Services | \$137 | \$102 | \$86 | \$56 | \$43 | 0.1% |
| Ambulance Services | \$500 | \$374 | \$313 | \$203 | \$156 | 0.5% |
| Waste Diversion Services | \$1,153 | \$864 | \$722 | \$469 | \$361 | 1.2% |
| Subtotal General Services | \$23,633 | \$17,709 | \$14,790 | \$9,614 | \$7,395 | 24.0% |
| Services Related To A Highway: Roads | \$55,293 | \$41,440 | \$34,604 | \$22,493 | \$17,302 | 56.3% |
| Water Services - Facilities | \$299 | \$224 | \$187 | \$122 | \$94 | 0.3% |
| Water Services - Facilities Related Debt | \$5,716 | \$4,284 | \$3,577 | \$2,325 | \$1,788 | 5.8% |
| Wastewater Services - Facilities | \$8,633 | \$6,470 | \$5,403 | \$3,512 | \$2,701 | 8.8% |
| Wastewater Services - Facilities Related Debt | \$4,694 | \$3,518 | \$2,937 | \$1,909 | \$1,469 | 4.8% |
| Subtotal Engineered Services | \$74,635 | \$55,936 | \$46,708 | \$30,361 | \$23,354 | 76.0% |
| TOTAL CITY-WIDE CHARGE PER UNIT | \$98,268 | \$73,645 | \$61,498 | \$39,975 | \$30,749 | 100.0% |
| | - | • | | | | |
| FORMER MUNICIPAL BOUNDARY | | | | | | |
| Stormwater Drainage And Control Services | \$5,855 | \$4,388 | \$3,664 | \$2,382 | \$1,832 | 5.2% |
| Water Services - Distribution Systems | \$2,128 | \$1,595 | \$1,332 | \$866 | \$666 | 1.9% |
| Wastewater Services - Collection Systems | \$5,620 | \$4,212 | \$3,517 | \$2,286 | \$1,759 | 5.0% |
| Subtotal Former Boundary per Unit | \$13,603 | \$10,195 | \$8,513 | \$5,534 | \$4,257 | 12.2% |
| Subtotal City-Wide Charge Per Unit | \$98,268 | \$73,645 | \$61,498 | \$39,975 | \$30,749 | 87.8% |
| TOTAL FORMER MUNICIPAL BOUNDARY PER UNIT | \$111,871 | \$83,840 | \$70,011 | \$45,509 | \$35,006 | 100.0% |
| | | | | | | |
| SALEM & HEWITT'S | | | | | | |
| Water Services - Distribution Systems | \$14,846 | \$11,126 | \$9,291 | \$6,039 | \$4,645 | 11.8% |
| Wastewater Services - Collection Systems | \$12,960 | \$9,713 | \$8,111 | \$5,272 | \$4,055 | 10.3% |
| Subtotal Salem & Hewitt's per Unit | \$27,806 | \$20,839 | \$17,402 | \$11,311 | \$8,700 | 22.1% |
| Subtotal City-Wide Charge Per Unit | \$98,268 | \$73,645 | \$61,498 | \$39,975 | \$30,749 | 77.9% |
| TOTAL SALEM & HEWITT'S BOUNDARY PER UNIT | \$126,074 | \$94,484 | \$78,900 | \$51,286 | \$39,449 | 100.0% |
| <u> </u> | | | | | | |
| (1) Based on Persons Per Unit Of: | 3.20 | 2.40 | 2.00 | 1.30 | 1.00 | |



CITY OF BARRIE CITY-WIDE DEVELOPMENT CHARGES RETAIL DEVELOPMENT CHARGES PER SQUARE METRE

| | Re | tail | |
|---|--------------|--------------|---------------|
| Service | Unadjusted | Adjusted | Percentage of |
| Service | Charge per | Charge per | Charge |
| | Square Metre | Square Metre | |
| Library Services | \$0.00 | \$0.00 | 0.0% |
| Protection Services | \$12.57 | \$14.21 | 2.6% |
| Parks And Recreation | \$0.00 | \$0.00 | 0.0% |
| Services Related To A Highway: Public Works And Fleet | \$12.23 | \$12.60 | 2.3% |
| Transit Services | \$12.70 | \$12.81 | 2.4% |
| Long Term Care Services | \$0.00 | \$0.00 | 0.0% |
| Ambulance Services | \$1.87 | \$2.90 | 0.5% |
| Waste Diversion Services | \$6.69 | \$7.33 | 1.4% |
| Subtotal General Services | \$46.06 | \$49.86 | 9.2% |
| Services Related To A Highway: Roads | \$339.24 | \$362.93 | 66.9% |
| Water Services - Facilities | \$1.67 | \$2.00 | 0.4% |
| Water Services - Facilities Related Debt | \$22.55 | \$38.56 | 7.1% |
| Wastewater Services - Facilities | \$54.77 | \$56.61 | 10.4% |
| Wastewater Services - Facilities Related Debt | \$16.14 | \$32.43 | 6.0% |
| Subtotal Engineered Services | \$434.38 | \$492.54 | 90.8% |
| TOTAL CITY-WIDE CHARGE PER SQUARE METRE | \$480.44 | \$542.40 | 100.0% |
| | | | |
| FORMER MUNICIPAL BOUNDARY | | | |
| Stormwater Drainage And Control Services | \$14.27 | \$14.69 | 2.4% |
| Water Services - Distribution Systems | \$9.46 | \$14.34 | 2.4% |
| Wastewater Services - Collection Systems | \$34.38 | \$36.25 | 6.0% |
| Subtotal Former Boundary per Square Metre | \$58.10 | \$65.28 | 10.7% |
| Subtotal City-Wide Charge Per Square Metre | \$480.44 | \$542.40 | 89.3% |
| TOTAL FORMER BOUNDARY CHARGE PER SQUARE METRE | \$538.55 | \$607.68 | 100.0% |
| | | | |
| SALEM & HEWITT'S | | | |
| Water Services - Distribution Systems | \$77.49 | \$103.25 | 14.0% |
| Wastewater Services - Collection Systems | \$65.16 | \$89.99 | 12.2% |
| Subtotal Salem & Hewitt's per Square Metre | \$142.65 | \$193.23 | 26.3% |
| Subtotal City-Wide Charge Per Square Metre | \$480.44 | \$542.40 | 73.7% |
| TOTAL SALEM & HEWITT'S CHARGE PER SQUARE METRE | \$623.10 | \$735.63 | 100.0% |



CITY OF BARRIE CITY-WIDE DEVELOPMENT CHARGES NON-RETAIL DEVELOPMENT CHARGES PER SQUARE METRE

| | Non I | Retail | |
|---|--------------|--------------|------------|
| Service | Unadjusted | Adjusted | Percentage |
| Service | Charge per | Charge per | of Charge |
| | Square Metre | Square Metre | |
| Library Services | \$0.00 | \$0.00 | 0.0% |
| Protection Services | \$7.07 | \$7.99 | 2.6% |
| Parks And Recreation | \$0.00 | \$0.00 | 0.0% |
| Services Related To A Highway: Public Works And Fleet | \$6.88 | \$7.25 | 2.3% |
| Transit Services | \$7.14 | \$7.24 | 2.3% |
| Long Term Care Services | \$0.00 | \$0.00 | 0.0% |
| Ambulance Services | \$1.05 | \$1.79 | 0.6% |
| Waste Diversion Services | \$3.76 | \$4.12 | 1.3% |
| Subtotal General Services | \$25.90 | \$28.39 | 9.1% |
| Services Related To A Highway: Roads | \$198.16 | \$209.88 | 67.0% |
| Water Services - Facilities | \$0.98 | \$1.16 | 0.4% |
| Water Services - Facilities Related Debt | \$13.17 | \$22.31 | 7.1% |
| Wastewater Services - Facilities | \$31.99 | \$32.73 | 10.4% |
| Wastewater Services - Facilities Related Debt | \$9.43 | \$18.75 | 6.0% |
| Subtotal Engineered Services | \$253.74 | \$284.83 | 90.9% |
| TOTAL CITY-WIDE CHARGE PER SQUARE METRE | \$279.64 | \$313.22 | 100.0% |
| | | | |
| FORMER MUNICIPAL BOUNDARY | | | |
| Stormwater Drainage And Control Services | \$9.91 | \$10.04 | 2.8% |
| Water Services - Distribution Systems | \$5.88 | \$8.74 | 2.5% |
| Wastewater Services - Collection Systems | \$21.39 | \$22.32 | 6.3% |
| Subtotal Former Boundary per Square Metre | \$37.19 | \$41.10 | 11.6% |
| Subtotal City-Wide Charge Per Square Metre | \$279.64 | \$313.22 | 88.4% |
| TOTAL FORMER BOUNDARY CHARGE PER SQUARE METRE | \$316.82 | \$354.32 | 100.0% |
| | | | |
| SALEM & HEWITT'S | | | |
| Water Services - Distribution Systems | \$41.32 | \$41.92 | 10.7% |
| Wastewater Services - Collection Systems | \$34.75 | \$36.54 | 9.3% |
| Subtotal Salem & Hewitt's per Square Metre | \$76.07 | \$78.46 | 20.0% |
| Subtotal City-Wide Charge Per Square Metre | \$279.64 | \$313.22 | 80.0% |
| TOTAL SALEM & HEWITT'S CHARGE PER SQUARE METRE | \$355.70 | \$391.68 | 100.0% |



F. Comparison of 2022 Newly Calculated Development Charges With Charges Currently In Force in Barrie

Tables 15, 16 and 17 present a comparison of the newly calculated residential and non-residential development charges with the development charges rates as of January 1, 2023. As shown in Table 15, the residential development charge City-wide rate for a single- or semi-detached unit increased by \$21,919 per unit, or 28.7%. The Former Municipal Boundary rate for a single- or semi-detached unit increased by \$2,671 per unit, or 24.4%, and the Salem and Hewitt's rate for a single- or semi-detached unit increased by \$13,710 per unit, or 97.3%. However, after including the City-wide rate, the Former Municipal Boundary rate for a single- or semi-detached unit increased by \$24,590 per unit, or 28.2%, and the Salem and Hewitt's rate for a single- or semi-detached unit increased by \$35,629 per unit, or 39.4%. Development in the Secondary Plan Areas will pay both the City-wide and area-specific development charges rates.

The calculated City-wide development charges rate for retail development increased by \$161.89 per square metre, or 42.5%. The Former Municipal Boundary retail rate has decreased by \$8.62 per square metre, or by 11.7%. In Salem and Hewitt's, the retail rate has increased by \$107.31 per square metre. However, after including the City-wide rate, the Former Municipal Boundary retail rate has increased by \$153.27 per square metre, or by 33.7%. In Salem & Hewitt's the total retail rate has increased by \$269.20 per square metre, or 57.7%.

The calculated City-wide development charges rate for non-retail development increased by \$54.31 per square metre, or 23.6%. The Former Municipal Boundary non-retail rate has increased by \$21.00 per square metre, or by 104.5%. In Salem & Hewitt's non-retail rate has increased by \$25.33 per square metre, or 47.7%. After including the City-wide rate, the Former Municipal Boundary non-retail rate has increased by \$71.07 per square metre, or by 25.1%. In Salem & Hewitt's the total non-retail rate has increased by \$75.40 per square metre, or 23.8%.



CITY OF BARRIE COMPARISON OF CURRENT AND CALCULATED RESIDENTIAL DEVELOPMENT CHARGES

| | Current | Calculated | | |
|---|--------------|--------------|------------|-----------|
| Service | Residential | Residential | Difference | in Charge |
| | Charge / SDU | Charge / SDU | | |
| Library Services | \$1,082 | \$1,425 | \$343 | 31.7% |
| Protection Services | \$2,495 | \$2,227 | (\$268) | -10.7% |
| Parks And Recreation | \$11,043 | \$14,300 | \$3,257 | 29.5% |
| Services Related To A Highway: Public Works And Fleet | \$743 | \$2,030 | \$1,287 | 173.2% |
| Transit Services | \$1,571 | \$1,861 | \$290 | 18.5% |
| Long Term Care Services | \$57 | \$137 | \$80 | 140.4% |
| Ambulance Services | \$318 | \$500 | \$182 | 57.2% |
| Waste Diversion Services | \$585 | \$1,153 | \$568 | 97.1% |
| Growth Studies* | \$1,018 | \$0 | (\$1,018) | -100.0% |
| Airport* | \$0 | \$0 | \$0 | N/A |
| Parking* | \$0 | \$0 | \$0 | N/A |
| Housing Services* | \$0 | \$0 | \$0 | N/A |
| Subtotal General Services | \$18,912 | \$23,633 | \$4,721 | 25.0% |
| Services Related To A Highway: Roads | \$37,697 | \$55,293 | \$17,596 | 46.7% |
| Water Services - Facilities | \$104 | \$299 | \$195 | 187.5% |
| Water Services - Facilities Related Debt | \$6,720 | \$5,716 | (\$1,004) | -14.9% |
| Wastewater Services - Facilities | \$8,083 | \$8,633 | \$550 | 6.8% |
| Wastewater Services - Facilities Related Debt | \$4,833 | \$4,694 | (\$139) | -2.9% |
| Subtotal Engineered Services | \$57,437 | \$74,635 | \$17,198 | 29.9% |
| TOTAL CITY-WIDE CHARGE PER UNIT | \$76,349 | \$98,268 | \$21,919 | 28.7% |
| | | | | |
| FORMER MUNICIPAL BOUNDARY | | | | |
| Stormwater Drainage And Control Services | \$8,816 | \$5,855 | (\$2,961) | -33.6% |
| Water Services - Distribution Systems | \$569 | \$2,128 | \$1,559 | 274.0% |
| Wastewater Services - Collection Systems | \$1,547 | \$5,620 | \$4,073 | 263.3% |
| Subtotal Former Boundary per Unit | \$10,932 | \$13,603 | \$2,671 | 24.4% |
| TOTAL FORMER MUNICIPAL BOUNDARY PER UNIT | \$87,281 | \$111,871 | \$24,590 | 28.2% |
| | | | | |
| SALEM & HEWITT'S | | | | |
| Water Services - Distribution Systems | \$7,308 | \$14,846 | \$7,538 | 103.1% |
| Wastewater Services - Collection Systems | \$6,788 | \$12,960 | \$6,172 | 90.9% |
| Subtotal Salem & Hewitt's per Unit | \$14,096 | \$27,806 | \$13,710 | 97.3% |
| TOTAL SALEM & HEWITT'S BOUNDARY PER UNIT | \$90,445 | \$126,074 | \$35,629 | 39.4% |

⁽¹⁾ Current as of January 1, 2023



CITY OF BARRIE COMPARISON OF CURRENT AND CALCULATED NON-RESIDENTIAL DEVELOPMENT CHARGES

| | Non-Residen | tial - Retail | | | |
|---|----------------|---------------|-----------------|---------|--|
| Service | Current Charge | Calculated | Difference in 0 | Charge | |
| | per Square | Charge per | | | |
| Library Services | \$0.97 | \$0.00 | (\$0.97) | -100.0% | |
| Protection Services | \$14.73 | \$14.21 | (\$0.52) | -3.5% | |
| Parks And Recreation | \$10.55 | \$0.00 | (\$10.55) | -100.0% | |
| Services Related To A Highway: Public Works And Fleet | \$4.30 | \$12.60 | \$8.30 | 193.1% | |
| Transit Services | \$9.50 | \$12.81 | \$3.31 | 34.9% | |
| Long Term Care Services | \$0.14 | \$0.00 | (\$0.14) | -100.0% | |
| Ambulance Services | \$0.55 | \$2.90 | \$2.35 | 427.4% | |
| Waste Diversion Services | \$0.55 | \$7.33 | \$6.78 | 1232.5% | |
| Growth Studies* | \$6.12 | \$0.00 | (\$6.12) | -100.0% | |
| Airport* | \$0.00 | \$0.00 | \$0.00 | N/A | |
| Parking* | \$0.00 | \$0.00 | \$0.00 | N/A | |
| Housing Services* | \$0.00 | \$0.00 | \$0.00 | N/A | |
| Subtotal General Services | \$47.41 | \$49.86 | \$2.45 | 5.2% | |
| Services Related To A Highway: Roads | \$218.65 | \$362.93 | \$144.28 | 66.0% | |
| Water Services - Facilities | \$0.59 | \$2.00 | \$1.41 | 239.2% | |
| Water Services - Facilities Related Debt | \$38.97 | \$38.56 | (\$0.41) | -1.0% | |
| Wastewater Services - Facilities | \$46.86 | \$56.61 | \$9.75 | 20.8% | |
| Wastewater Services - Facilities Related Debt | \$28.03 | \$32.43 | \$4.40 | 15.7% | |
| Subtotal Engineered Services | \$333.10 | \$492.54 | \$159.44 | 47.9% | |
| TOTAL CITY-WIDE CHARGE PER SQUARE METRE | \$380.51 | \$542.40 | \$161.89 | 42.5% | |
| FORMER MUNICIPAL BOUNDARY | | | | | |
| Stormwater Drainage And Control Services | \$47.66 | \$14.69 | (\$32.97) | -69.2% | |
| Water Services - Distribution Systems | \$7.04 | \$14.34 | \$7.30 | 103.7% | |
| Wastewater Services - Collection Systems | \$19.20 | \$36.25 | \$17.05 | 88.8% | |
| Subtotal Former Boundary per Square Metre | \$73.90 | \$65.28 | (\$8.62) | -11.7% | |
| TOTAL FORMER BOUNDARY CHARGE PER SQUARE METRE | \$454.41 | \$607.68 | \$153.27 | 33.7% | |
| | <u> </u> | | | | |
| SALEM & HEWITT'S | | | | | |
| Water Services - Distribution Systems | \$44.55 | \$103.25 | \$58.70 | 131.8% | |
| Wastewater Services - Collection Systems | \$41.37 | \$89.99 | \$48.62 | 117.5% | |
| Subtotal Salem & Hewitt's per Square Metre | \$85.92 | \$193.23 | \$107.31 | 124.9% | |
| TOTAL SALEM & HEWITT'S CHARGE PER SQUARE METRE | \$466.43 | \$735.63 | \$269.20 | 57.7% | |

⁽¹⁾ Current as of January 1, 2023



CITY OF BARRIE COMPARISON OF CURRENT AND CALCULATED NON-RESIDENTIAL DEVELOPMENT CHARGES

| | Non-Residentia | I - Non-Retail | | | |
|---|----------------|----------------|----------------------|---------|--|
| Service | Current Charge | Calculated | Difference in Charge | | |
| | per Square | Charge per | | | |
| Library Services | \$0.69 | \$0.00 | (\$0.69) | -100.0% | |
| Protection Services | \$10.36 | \$7.99 | (\$2.37) | -22.9% | |
| Parks And Recreation | \$7.09 | \$0.00 | (\$7.09) | -100.0% | |
| Services Related To A Highway: Public Works And Fleet | \$2.98 | \$7.25 | \$4.27 | 143.2% | |
| Transit Services | \$6.37 | \$7.24 | \$0.87 | 13.7% | |
| Long Term Care Services | \$0.14 | \$0.00 | (\$0.14) | -100.0% | |
| Ambulance Services | \$0.42 | \$1.79 | \$1.37 | 327.0% | |
| Waste Diversion Services | \$0.42 | \$4.12 | \$3.70 | 880.5% | |
| Growth Studies* | \$4.16 | \$0.00 | (\$4.16) | -100.0% | |
| Airport* | \$0.00 | \$0.00 | \$0.00 | N/A | |
| Parking* | \$0.00 | \$0.00 | \$0.00 | N/A | |
| Housing Services* | \$0.00 | \$0.00 | \$0.00 | N/A | |
| Subtotal General Services | \$32.63 | \$28.39 | (\$4.24) | -13.0% | |
| Services Related To A Highway: Roads | \$151.29 | \$209.88 | \$58.59 | 38.7% | |
| Water Services - Facilities | \$0.42 | \$1.16 | \$0.74 | 175.4% | |
| Water Services - Facilities Related Debt | \$26.96 | \$22.31 | (\$4.65) | -17.2% | |
| Wastewater Services - Facilities | \$32.45 | \$32.73 | \$0.28 | 0.9% | |
| Wastewater Services - Facilities Related Debt | \$19.40 | \$18.75 | (\$0.65) | -3.4% | |
| Subtotal Engineered Services | \$230.52 | \$284.83 | \$54.31 | 23.6% | |
| TOTAL CITY-WIDE CHARGE PER SQUARE METRE | \$263.15 | \$313.22 | \$50.07 | 19.0% | |
| FORMER MUNICIPAL BOUNDARY | | | | | |
| Stormwater Drainage And Control Services | \$12.95 | \$10.04 | (\$2.91) | -22.5% | |
| Water Services - Distribution Systems | \$1.92 | \$8.74 | \$6.82 | 355.3% | |
| Wastewater Services - Collection Systems | \$5.23 | \$22.32 | \$17.09 | 326.7% | |
| Subtotal Former Boundary per Square Metre | \$20.10 | \$41.10 | \$21.00 | 104.5% | |
| TOTAL FORMER BOUNDARY CHARGE PER SQUARE METRE | \$283.25 | \$354.32 | \$71.07 | 25.1% | |
| SALEM & HEWITT'S | | | | | |
| Water Services - Distribution Systems | \$27.55 | \$41.92 | \$14.37 | 52.2% | |
| Wastewater Services - Collection Systems | \$25.58 | \$36.54 | \$10.96 | 42.8% | |
| Subtotal Salem & Hewitt's per Square Metre | \$53.13 | \$78.46 | \$25.33 | 47.7% | |
| TOTAL SALEM & HEWITT'S CHARGE PER SQUARE METRE | \$316.28 | \$391.68 | \$75.40 | 23.8% | |

⁽¹⁾ Current as of January 1, 2023



G. Statutory Phase-in of Development Charge Rates

The DCA now requires that the calculated development charge rates be phased-in over a five year period based on the following:

- Year 1 = 80% of calculated rates
- Year 2 = 85% of calculated rates
- Year 3 = 90% of calculated rates
- Year 4 = 95% of calculated rates
- Year 5 = 100% of calculated rates

Table 18 provides a summary of the 5-year phase in for the calculated residential and non-residential rates in the City of Barrie.

Table 18: 5-Year Phase-in of Calculated Development Charges Rates

| Year | : | ingle & Semi- etached | ľ | Other Multiples | | artments Bedrooms | Ba | partments chelor and Bedroom | ecial Care/ Special Dwelling Units | Retail \$/m2 | Non-Retail \$/m2 | Phase-in % |
|--------------|--------------------------------------|-----------------------------|----|--------------------|----|----------------------|----|------------------------------------|---|-----------------|---------------------|------------|
| Former Munic | cipal | Boundary | | | | | | | | | | |
| 2023 | \$ | 89,497 | \$ | 67,072 | \$ | 56,009 | \$ | 36,407 | \$ 28,005 | \$486.14 | \$283.46 | 80% |
| 2024 | \$ | 95,090 | \$ | 71,264 | \$ | 59,509 | \$ | 38,683 | \$ 29,755 | \$516.53 | \$301.17 | 85% |
| 2025 | \$ | 100,684 | \$ | 75,456 | \$ | 63,010 | \$ | 40,958 | \$ 31,505 | \$546.91 | \$318.89 | 90% |
| 2026 | \$ | 106,277 | \$ | 79,648 | \$ | 66,510 | \$ | 43,234 | \$ 33,256 | \$577.30 | \$336.61 | 95% |
| 2027 | \$ | 111,871 | \$ | 83,840 | \$ | 70,011 | \$ | 45,509 | \$ 35,006 | \$607.68 | \$354.32 | 100% |
| Salem & Hew | Salem & Hewitt's Secondary Plan Area | | | | | | | | | | | |
| 2023 | | \$100,859 | \$ | 75,587 | \$ | 63,120 | \$ | 41,029 | \$ 31,559 | \$588.51 | \$313.35 | 80% |
| 2024 | | \$107,163 | \$ | 80,311 | \$ | 67,065 | \$ | 43,593 | \$ 33,532 | \$625.29 | \$332.93 | 85% |
| 2025 | | \$113,467 | \$ | 85,036 | \$ | 71,010 | \$ | 46,157 | \$ 35,504 | \$662.07 | \$352.51 | 90% |
| 2026 | | \$119,770 | \$ | 89,760 | \$ | 74,955 | \$ | 48,722 | \$ 37,477 | \$698.85 | \$372.10 | 95% |
| 2027 | | \$126,074 | \$ | 94,484 | \$ | 78,900 | \$ | 51,286 | \$ 39,449 | \$735.63 | \$391.68 | 100% |

7. Cost of Growth Analysis

This section provides a brief examination of the long-term capital and operating costs as well as the asset management-related annual provisions for the capital facilities and infrastructure to be included in the DC By-law. This examination is required as one of the provisions of the *DCA*. Additional details on the cost of growth analysis, including asset management analysis, for Transit services is included in Appendix C.3. The analysis for all other services is included in Appendix G.

A. Asset Management Plan

i. Transit Services

The City utilizes a range of fiscal planning tools and approaches in examining the funding and maintenance of Transit Services infrastructure. For example, the City prepared a Transit Asset Management Plan in 2019 which addressed the current state of infrastructure and the proposed levels of service to 2028 with considerations to 2041.

In particular, the City as part of its annual budget processes implements and manages the year-to-year expenditure needs and revenue requirements of the program.

For the purpose of the AMP analysis, assets have been grouped into the following categories identified in the Transit Services capital program (see Appendix C.2) and the following useful life assumptions have been applied. The current outstanding debentures are not included in the AMP as it relates to the existing transit garage which has been operational since 2015. The associated AMP requirements are already reflected in the 2019 Transit AMP.

- 1. Debentures = 0 years
- 2. Fleet = 10 years



- 3. Other Equipment = 10-20 years
- 4. Buildings and Facilities = 40 years

Table 19 provides a summary of the calculated annual asset management contributions based on the identified useful lives of the various assets and projects.

Table 19 – Summary of Calculated Full Life Cycle Annual Contributions at 2033

| Service | 2023 - 2032 Capital Program | | | ed AMP Annual sion by 2033 |
|------------------|--------------------------------|-----------------|-------------|-------------------------------|
| | DC Related | Non-DC Related* | DC Related | Non-DC Related* |
| Transit Services | \$47,959,936 | \$130,771,287 | \$2,297,522 | \$1,231,110 |

^{*} Includes costs that will be recovered under future development charges studies (i.e. other development-related).

A detailed analysis of the asset management and financial strategies for the various asset groups is described in detail in Appendix C.1. Reports and documents are referenced that identify the City's commitment to fund capital expenditures and address long-term capital and operating impacts.

ii. All Other Services

Tables 20 and 21 provides the calculated annual asset management contribution for both the gross capital expenditures and the share related to the 2023-2032 and 2023-2041 DC recoverable portion. The year 2033 and 2042 have been included to calculate the annual contribution for the 2023-2032 and 2023-2041 periods as the expenditures in 2032 and 2041 will not trigger asset management contributions until 2033 and 2042, respectively. As shown in Table 20, by 2032, the City should fund an additional \$5.89 million per annum to fund the full life cycle costs of the new assets related to the general services supported under the development charges by-law.

Table 21 provides a separate analysis of the annual provisions required for the engineered services capital program as the program extends to 2041. As shown in Table 21, the annual provision in 2042 amounts to \$18.24 million.



Table 20 - Calculated Annual Provision by 2033 for General Services

| Service | | 3 - 2032 I Program | Calculated AMP Annual Provision by 2033 | | |
|---|---------------|-----------------------|--|-----------------|--|
| | DC Related | Non-DC Related* | DC Related | Non-DC Related* | |
| Library Services | \$24,837,990 | \$18,012,010 | \$1,095,778 | \$205,829 | |
| Protection Services | \$47,454,402 | \$24,220,921 | \$1,256,719 | \$287,391 | |
| Parks And Recreation | \$254,253,838 | \$181,478,776 | \$2,266,162 | \$3,645,187 | |
| Services Related To A Highway: Public Works And Fleet | \$46,188,926 | \$82,436,074 | \$878,437 | \$1,210,569 | |
| Ambulance Services | \$7,043,806 | \$27,792,106 | \$89,748 | \$851,924 | |
| Long Term Care Services | \$2,447,924 | \$83,835,755 | \$27,973 | \$958,018 | |
| Waste Diversion Services | \$22,180,152 | \$1,253,848 | \$284,244 | \$14,328 | |
| TOTAL | \$404,407,038 | \$419,029,490 | \$5,899,061 | \$7,173,247 | |

^{*} Includes costs that will be recovered under future development charges studies (i.e. other development-related).

Table 21 - Calculated Annual Provision by 2042 for Engineered Services

| | 2023 | 3 - 2041 | Calculated AMP Annual | | | |
|--|-----------------|-----------------|-----------------------|-----------------|--|--|
| Service | Capita | I Program | Provision by 2042 | | | |
| | DC Related | Non-DC Related* | DC Related | Non-DC Related* | | |
| City-Wide Services | | | | | | |
| Services Related To A Highway: Roads | \$2,280,792,431 | \$1,721,081,963 | \$12,564,298 | \$9,692,010 | | |
| Water Services - Facilities | \$11,259,995 | \$2,253,112 | \$83,049 | \$16,618 | | |
| Wastewater Services - Facilities | \$368,245,971 | \$156,309,969 | \$3,015,870 | \$3,438,697 | | |
| Former City of Barrie | | | | | | |
| Stormwater Drainage And Control Services | \$109,992,704 | \$345,306,001 | \$573,758 | \$1,694,598 | | |
| Water Services - Distribution Systems | \$35,951,230 | \$11,758,110 | \$178,416 | \$57,809 | | |
| Wastewater Services - Collection Systems | \$130,711,650 | \$28,518,400 | \$299,524 | \$65,713 | | |
| Salem & Hewitt's Seconday Plan Areas | | | | | | |
| Water Services - Distribution Systems | \$226,371,932 | \$0 | \$1,112,346 | \$0 | | |
| Wastewater Services - Collection Systems | \$190,348,417 | \$0 | \$413,292 | \$0 | | |
| TOTAL | \$3,353,674,331 | \$2,265,227,555 | \$18,240,552 | \$14,965,446 | | |

^{*} Includes costs that will be recovered under future development charges studies (i.e. other development-related).

Long-Term Capital and Operating Cost Impacts B.

Net Operating Costs for the City's Services Estimated to Increase i. over the Forecast Period

The City will experience estimated increase in net operating costs for additions associated with the planned capital program. These estimates are based on average costs derived from a review of recent budgets and the FIR (additional details are included in Appendix G).



As described in Appendix G, by 2032, the City's net operating costs are estimated to increase by \$24.04 million for property tax supported services. Increases in net operating costs will be experienced as new facilities such as community centres are opened. By 2041, the City's net operating costs for roads services will increase by \$6.81 million. Operating and maintenance costs will also increase as additions to the City's road network are made.

The anticipated net operating impacts arising from the addition of 33 new buses over the 10-year planning period of 2022-2031 and the new proposed transit facilities. In total, it is anticipated that the City will incur approximately \$980,900 in additional operating costs by 2032. Additional details are provided in Appendix C.

ii. Long-Term Capital Financing from Non-Development Charge Sources Totals \$1.13 Billion

Table 22 summarizes the components of the development-related capital program that will require funding from non-development charges sources. In total, \$1.13 billion will need to be financed from non-DC sources over the 2023-2032 and 2023-2041 planning period. In addition, \$1.25 billion in interim DC financing related to post-period shares of projects may be required or these costs may be recovered from other growth funding tools.



TABLE 22 CITY OF BARRIE SUMMARY OF UNADJUSTED RESIDENTIAL AND NON-RESIDENTIAL DEVELOPMENT CHARGES

| | Development-Related Capital Program (2023 - 2032) | | | | | | | |
|---|---|--|-------------------------------------|------------------------------------|--|--|--|--|
| General Services | Net Municipal Cost (\$000) | Replacement & Benefit to Existing (\$000) | Available DC Reserves (\$000) | Post-Period Benefit* (\$000) | Total DC Eligible Costs for Recovery (\$000) | | | |
| 1 LIBRARY SERVICES | \$42,850.0 | \$1,350.0 | \$3,169.3 | \$13,492.7 | \$24,838.0 | | | |
| 2 PROTECTION SERVICES | \$71,675.3 | \$24,220.9 | \$0.0 | \$0.0 | \$47,454.4 | | | |
| 3 PARKS AND RECREATION | \$435,732.6 | \$33,897.4 | \$31,241.5 | \$116,339.9 | \$254,253.8 | | | |
| 4 SERVICES RELATED TO A HIGHWAY: PUBLIC WORKS AND FLEET | \$128,625.0 | \$49,245.8 | \$3,176.7 | \$30,013.6 | \$46,188.9 | | | |
| 5 LONG TERM CARE SERVICES | \$8,466.1 | \$5,917.6 | \$100.5 | \$0.0 | \$2,447.9 | | | |
| 6 AMBULANCE SERVICES | \$18,370.5 | \$4,216.7 | \$0.0 | \$7,109.9 | \$7,043.8 | | | |
| 7 WASTE DIVERSION SERVICES | \$23,434.0 | \$0.0 | \$1,253.8 | \$0.0 | \$22,180.2 | | | |
| TOTAL GENERAL SERVICES | \$729,153.5 | \$118,848.5 | \$38,941.8 | \$166,956.2 | \$404,407.0 | | | |

^{*}Development related costs to be considered for funding from other tools and/or future DC Studies.

| | Development-Related Capital Program (2023 - 2041) | | | | | | | |
|---|---|--|-------------------------------------|------------------------------------|--|--|--|--|
| Engineered Services | Net Municipal Cost (\$000) | Replacement & Benefit to Existing (\$000) | Available DC Reserves (\$000) | Post-Period Benefit* (\$000) | Total DC Eligible Costs for Recovery (\$000) | | | |
| CITY-WIDE SERVICES | | | | | | | | |
| 1 SERVICES RELATED TO A HIGHWAY: ROADS | \$4,001,874.4 | \$534,464.2 | \$123,910.4 | \$1,062,707.3 | \$2,280,792.4 | | | |
| 2 WATER SERVICES - FACILITIES | \$13,513.1 | \$1,668.5 | \$584.7 | \$0.0 | \$11,260.0 | | | |
| 3 WATER SERVICES - FACILITIES RELATED DEBT | \$151,602.3 | \$0.0 | \$0.0 | \$0.0 | \$151,602.3 | | | |
| 4 WASTEWATER SERVICES - FACILITIES | \$524,555.9 | \$93,056.4 | \$40,703.8 | \$22,549.7 | \$368,246.0 | | | |
| 5 WASTEWATER SERVICES - FACILITIES RELATED DEBT | \$108,531.3 | \$0.0 | \$0.0 | \$0.0 | \$108,531.3 | | | |
| TOTAL CITY-WIDE SERVICES | \$4,800,077.0 | \$629,189.1 | \$165,198.9 | \$1,085,257.0 | \$2,920,432.0 | | | |
| FORMER CITY OF BARRIE | | | | | | | | |
| 1 STORMWATER DRAINAGE AND CONTROL SERVICES | \$455,298.7 | \$340,468.9 | \$4,837.1 | \$0.0 | \$109,992.7 | | | |
| 2 WATER SERVICES - DISTRIBUTION SYSTEMS | \$47,709.3 | \$11,758.1 | \$0.0 | \$0.0 | \$35,951.2 | | | |
| 3 WASTEWATER SERVICES - COLLECTION SYSTEMS | \$159,230.1 | \$28,518.4 | \$0.0 | \$0.0 | \$130,711.7 | | | |
| TOTAL FORMER CITY OF BARRIE | \$662,238.1 | \$380,745.4 | \$4,837.1 | \$0.0 | \$276,655.6 | | | |
| SALEM & HEWITT'S SECONDARY PLAN AREAS | | | | | | | | |
| 1 WATER SERVICES - DISTRIBUTION SYSTEMS | \$226,371.9 | \$0.0 | \$0.0 | \$0.0 | \$226,371.9 | | | |
| 2 WASTEWATER SERVICES - COLLECTION SYSTEMS | \$190,348.4 | \$0.0 | \$0.0 | \$0.0 | \$190,348.4 | | | |
| TOTAL SALEM & HEWITT'S SECONDARY PLAN AREAS | \$416,720.3 | \$0.0 | \$0.0 | \$0.0 | \$416,720.3 | | | |
| TOTAL ENGINEERED SERVICES | \$5,879,035.5 | \$1,009,934.5 | \$170,036.0 | \$1,085,257.0 | \$3,613,807.9 | | | |

*Development related costs to be considered for funding from other tools and/or future DC Studies.

TOTAL GENERAL AND ENGINEERED SERVICES \$1,252,213.2 \$6,608,188.9 \$1,128,783.0 \$208,977.8 \$4,018,215.0



I. Program is Deemed Financially Sustainable

The calculated annual funding provision should be considered within the context of the City's projected growth. Over the next 10 years (to 2032) the City is projected to increase by approximately 25,000 households. In addition, the City will also add nearly 18,460 new employees that will result in approximately 1.36 million square metres of additional non-residential building space.

By 2041, there will be an increase of nearly 42,500 new households. In addition, the City will also add nearly 41,540 new employees that will result in approximately 2.97 million square metres of additional non-residential building space. This growth will have the effect of increasing the overall assessment base and additional user fee and charges revenues to offset the capital asset provisions required to replace the infrastructure proposed to be funded under the development charges by-law. The collection of these funds is intended to be allocated to the City's reserves for the future replacement of these assets.

In addition, as part of the annual budget update the City also contributes to asset replacement reserves and spends on yearly asset replacement needs as needed.

Through this annual exercise, staff identify the required funding and propose mitigating measures in order to ensure there are sufficient funds in reserves over the long term. Life-cycle funding methodologies are also reviewed in order to ensure that the City is continuing to implement financially sustainable practices for funding the eventual replacement of assets.

The calculated annual provisions identified are considered to be financially sustainable as it is expected that the increased capital asset management requirements can be absorbed by the tax and user base over the long-term.



8. Development Charges Administration

A. Development Charges Recommendations

No significant changes are recommended to the City's current policies and practices regarding development charges administration. Considering the requirements of the *DCA*, the following recommendations are made:

- That present practices regarding collection of DCs and by-law administration continue to the extent possible, having regard to any requirements of the DCA;
- That under the DCA, the City should codify any rules regarding application of the by-laws and exemptions within the DC by-laws proposed for adoption;
- That the City continue to use front-ending agreements or developer agreements (or services-in-lieu arrangements), whichever are practical and desirable by the development industry and the City;
- That the by-law permit the payment of DCs in cash or through servicesin-lieu agreements. The City is not obligated to enter into services-in-lieu agreements;
- That Council adopt the development-related capital forecasts, and the increase in the need for services attributable to the anticipated development, as included in the 2023 DC Background Study, subject to annual review through the City's normal capital budget process.
- That Council confirms its intention to fund the adopted capital forecast to ensure that the increase in need for service will be met.



- That Council determine that the future excess capacity identified in the DC Background Study shall be paid for by the development charges contemplated in the said DC Background Study, or other similar charges.
- That Council has given consideration of the use of more than one development charge by-law to reflect different needs for services in different areas, also known as area rating or area-specific DCs. Both City-wide and area-specific rates are proposed.
- That Council has determined that for the services, and associated infrastructure proposed to be funded by DCs under the DC by-law, that the charges be calculated on a City-wide and area-specific basis.
- That Council adopt the Transit development-related capital program, as included in the DC Background Study, as the "planned level of service", and in doing so, indicate that it intends to ensure that the increase in need for Transit will be met.
- That Council approve the Cost of Growth analysis, including the Asset Management Plan, that deals with all assets whose capital costs are intended to be funded under the development charge by-law and that such assets are considered to be financially sustainable over their full life-cycle.

B. Approved 2023 Development Charge By-Law

The enacted and approved 2023 DC By-law is attached as Appendix I.



Appendix A Development Forecast



Development Forecast

This appendix summarizes the development forecast used to prepare the 2023 Development Charges Background Study for the City of Barrie. The forecast method and key assumptions are discussed. The forecast results are presented in the following tables:

Historical Development

Table A-1 Population & Occupied Dwelling Summary
Table A-2 Annual Housing Completions (CMHC)
Table A-3 Occupied Dwellings by Unit Type
Table A-4 Annual Growth in Occupied Dwellings by Unit Type
Table A-5 Occupied Dwellings by Period of Construction
Table A-6 Place of Work Employment

Forecast Development - City-Wide

Table A-7 Population & Occupied Dwellings
 Table A-8 Occupied Dwellings by Unit Type
 Table A-9 Occupied Dwelling Growth by Unit Type
 Table A-10 Population in New Housing by Unit Type
 Table A-11 Place of Work Employment
 Table A-12 Employment in New Space

Forecast Development – Area-Specific

Table A-13 Population

Table A-14 Occupied Dwellings & Population Growth in New Housing

Table A-15 Place of Work Employment



A. Forecast Approach, Key Assumptions and Definitions

The *Development Charges Act* (DCA) requires the City to estimate "the anticipated amount, type and location of development" for which development charges may be imposed. The forecast must cover both residential and non-residential development and be specific enough with regards to quantum, type, location and timing of development to allow the City to prepare a reasonable development-related capital program.

i. Identified Forecast Targets

A 10-year development forecast, from 2023 to 2032, has been used for the General Services as well as the Services Related to a Highway: Public Works and Fleet and the Transit Service. For Services Related to a Highway: Roads as well as Water and Wastewater services, a longer-term forecast, from 2023 to 2041, has been used.

The forecasts are premised on the City achieving population and employment forecasts identified in the *Municipal Comprehensive Review* (MCR) Long-Term Urban Land Needs Study, City of Barrie, May 21, 2019 (MCR Long-Term Urban Land Needs Study, 2019), updated to reflect 2021 Census data. By way of background:

- The Provincial plan A Place to Grow. Growth Plan for the Greater Golden Horseshoe, 2020 (Growth Plan) requires that the City plan to achieve a minimum population of 298,000 and employment of 150,000 by 2051. The City's new Official Plan 2051, adopted in February 2022 but not yet approved by the Minister, incorporates these long-term 2051 population and employment forecasts.
- The City is currently updating its infrastructure plans to align with the new 2051 planning horizon and associated population and employment forecasts. As this work is not yet complete, this 2023 DC Background Study relies on 2031 and 2041 population and employment targets



identified in the *MCR Long-Term Urban Land Needs Study, 2019*, which were used as the basis for the City's current infrastructure master plans (see Figure 1). The City will continue to plan to achieve the 2051 population and employment forecasts set out in its Official Plan and it is expected that these forecasts will be used in future DC Background Study updates.

Figure 1: City of Barrie 2031 and 2041 Population and Employment

| | 2031 | 2041 |
|------------|---------|---------|
| Population | 210,000 | 253,000 |
| Employment | 101,000 | 129,000 |

In short, the development charge calculations in this study are consistent with development forecasts used to prepare the City's current master servicing plans and other capital development plans. As well, all development charge calculations are based on forecasts occurring within areas approved for development in the City's Official Plan.

ii. Total Population and Employment vs. Census Population and Employment

Population figures used in the forecasts represent the population recorded in the Census ("Census population"). This definition excludes the Census net under-coverage (approximately 3.20% of the total population), which represents those who were missed or double-counted by the Census and which is included in the definition of population used in the Growth Plan and the City's master plans. Population figures shown in the development forecast represent mid-year estimates.

Household figures represent occupied private dwellings, and reflect the year in which the dwellings are anticipated to be occupied.



Employment figures in the forecasts are based on Statistics Canada place of work data. "Place of work employment" data record where people work rather than their place of residence. It includes all employment with a regular or no fixed place of work. However, work-at-home employment is excluded from the figures as, for development charge purposes, this type of employment is considered not to require building floorspace for its activities. The City's infrastructure master plans typically include work-at-home employment in assessing servicing capacity needs.

Employment is categorized based on land use:

- Population-related employment is employment that primarily serves the City's resident population. This category captures most retail and other commercial activities.
- Institutional employment refers to employment accommodated in education, health care, local government, and cultural activities.
- **Major office** employment refers to office type employment contained within free standing buildings more than 20,000 net sq.ft. (1,858 m²).
- **Employment land** employment refers to traditional industrial-type employment accommodated primarily in low-rise industrial buildings in business parks and industrial areas.

B. Historical Development in the City of Barrie

Historical population and employment set out below is used to determine the average service levels attained in the City over the last 15 years (2008-2022). Since 2021 was the year of the most recent Census, population and employment figures for 2022 are estimated based on Statistics Canada *Annual Demographic Estimates* and monthly *Labour Force Survey*.



i. Historical Residential Development

The Simcoe Census Division is the geographic area containing Simcoe County and the Cities of Barrie and Orillia. Between 1996 and 2006 most population growth in the Simcoe Census Division was accommodated in the City of Barrie; this was at the time when Barrie was the fastest growing municipality in the country. Barrie's share of regional growth slowed considerably during the recessionary years 2008-2009 in large part because it ran out of designated greenfield area for new housing. As a result, between 2007 and 2018 the majority of population growth shifted to Simcoe County, which had ample designated greenfield area to accommodate the high demand for new housing.

Barrie's constrained supply of urban land has been relieved over the last decade through the annexation, planning, and servicing of additional designated greenfield area at its southern boundary – known as the Salem and Hewitt's Secondary Plan Areas. The availability of these lands for development, together with its continuing role as the "central city" in the Simcoe Census Division, has lead to Barrie accommodating an increased share of population growth in the Census Division in recent years. This reorientation of regional growth towards Barrie is forecast to continue in the near-term.

Table A-1 shows that between 2008 and 2022 the City's population increased from 131,430 to 152,641, or 17%, with growth accelerating since 2016. The number of occupied dwellings (households) in the City grew slightly faster than the population over the same period, the result of a declining household size. As of 2022, there are an estimated 57,445 households in the City.

Details on historical housing growth in the City are provided in Tables A-2, A-3 and A-4. This information is sourced from CHMC housing market data and Statistics Canada Census data. Overall, the prevailing types of new housing in Barrie constructed since 2011 have been row houses and



apartments. These units represent 73% of all homes completed between 2012 and 2022 (37% rows and 35% apartments).

As shown in Table A-3, the share of the City's overall housing stock that is low density, or single and semi-detached units, fell from 67% to 62% between 2011 and 2022. Equivalent shares of apartments and row houses have risen from 17% to 20% and 16% to 18% respectively.

Table A-5 provides details on historical occupancy patterns for different unit types in the City by period of construction. The overall average occupancy level for single and semi-detached units is 2.99 persons per unit (PPU). Occupancy levels for recently constructed units, built between 2011 and 2021, are higher than the overall average and are used in the development charges calculations since they better reflect the number of people that are likely to reside in new development. The average PPU of single and semi-detached units built in the City between 2011 to 2021 is 3.20. Average PPUs for recently constructed row housing (including duplexes) and apartments are 2.10 and 1.75 respectively. For the purpose of the development charges calculations, the following PPUs are assumed:

- Single & Semi-Detached = 3.20 PPU, based on occupancy levels for units constructed between 2011 and 2021.
- Rows = 2.40 PPU, based on occupancy levels for all row houses in the City. A higher PPU for row houses moving forward is in keeping with Official Plan policies aimed at promoting higher density family-oriented housing.
- **Apartments** = 1.80 PPU, based on recently constructed apartments with two or more bedrooms having a PPU of 1.98 and recently constructed apartments with one bedroom or less having a PPU of 1.10. The overall apartment PPU is higher than for recently constructed units. This reflects the City's plan to accommodate a greater range and mix of apartment units types moving forward.. Higher PPUs are already evident in large and small apartments built since 2006.



ii. Historical Non-Residential Development

Historical employment figures are shown in Table A-6. Overall employment grew steadily in the City between 2006 and 2019. As with most communities in Ontario, the COVID-19 pandemic resulted in a severe shock to the local economy, the effects of which are still being felt. At the time of the 2021 Census business closures and stay-at-home orders were still in effect. As such, a large portion of the labour force was unemployed and many others were working from home on a full-time basis, and often outside the City.

Total employment in Barrie declined by 6,860 jobs between 2019 and 2020, with a significant increase in work at home employment of 11,980 jobs over the same period. And although employees continue to gradually return to their usual place of work, either full-time or under hybrid arrangements, it is evident that some shifts in work-at-home patterns will be long-lasting (see Table A-11).

Table A-6 summarizes the growth in historical employment by land use category in the City since 2006. Every employment category experienced a sharp decline in employment during the pandemic, with the population-related employment sector, which includes most retail and tourism activities in Barrie, being the most significant.

C. Forecast Method and Results

This section describes the method used to establish the development forecast for the planning periods 2023 to 2032 and 2023 to 2041.

Development charges are levied on residential development as a charge per new unit. Therefore, for the residential forecast, a projection of both the *population growth*, commonly referred to as net population in the context of development charges studies, as well as the *population in new units* is required.



- The population growth determines the need for additional facilities and provides the foundation for the development-related capital program.
- When calculating the development charge, however, the development-related net capital costs are spread over the total additional population that occupies new dwelling units. This *population in new units* represents the population from which development charges will be collected.

Development charges are levied on non-residential development as a charge per unit of gross floor area (GFA). As with the residential forecast, the non-residential forecast includes both a projection of *employment growth* as well as a projection of the *employment growth associated with new floorspace* in the City.

i. Residential Forecast

As shown in Table A-7, the City's Census population is forecast to grow from 152,641 in 2022 to 207,471 in 2032 and 245,300 in 2041. The population forecasts are consistent with forecasts set out in the City's *MCR Long-Term Urban Land Needs Study, 2019.* The number of occupied dwellings is forecast to increase from 57,445 units in 2022 to 82,453 units in 2032 and 99,950 units in 2041. The rate of housing growth is anticipated to be higher in the first 10 years of the forecast period: about 2,500 units per year between 2023 and 2032; and about 1,950 units per year between 2033 and 2041.

A breakdown of forecast housing by unit type in the City is shown in Tables A-8 and A-9.

 The market share of single and semi-detached units will continue to decline over the forecast period, as new development increasingly takes the form of higher density units.



- The current share of housing growth that is row housing is anticipated to remain relatively steady over the period, consistent with the recent trends.
- The City will continue to see a shift towards higher density housing, including a greater range and mix of apartment building types. A breakdown of the apartment unit forecast into low rise and mid-high rise buildings can be found in the City of Barrie Community Benefit Charge Strategy, 2023.

Population growth in the new units is estimated by applying the following PPUs to the housing unit forecast: 3.20 for single and semi-detached units; 2.40 for rows; and 1.80 for apartments.

The forecast population growth in new units is set out in Table A-10. Over the 10-year planning horizon the population in new units is forecasted to be 57,050. Over the longer planning horizon to 2041 the population in new units is forecast to be 92,920.

ii. Non-Residential Forecast

Non-residential development charges are calculated on a per unit of gross floor area basis. Therefore, as per the DCA, a forecast of future non-residential building space has been developed.

Approximately 1.36 million square metres of new non-residential floor space is anticipated to be added over the 2023-2032 planning period, with a further 2.97 million square metres being added over the long-term to 2041. The majority of new space is anticipated to be needed to accommodate population-related employment (39%) and employment land employment (34%).

An assumed floor space per worker (FSW) for each employment category is applied to the new floorspace forecast in order to establish the number of associated employees. The following FSW assumptions have been used:



Population-Related 50m² per employee
Employment Land 110m² per employee
Institutional 60m² per employee
Major Office 25m² per employee

iii. Area-Specific Forecasts – Former Municipal Boundary and Secondary Plan Areas

Area-specific forecasts have been prepared for two areas within the City: the Former Municipal Boundary and Secondary Plan Areas of Salem and Hewitt's. The allocations of population and employment between these areas are consistent with those used in the City's 2019 DC Background Study. The forecast has been adjusted to account for development which has already paid development charges, but will continue to meet the identified 2041 housing targets in the MCR Long-Term Urban Land Needs Study, 2019.

As shown in Table A-14, the Secondary Plan Areas of Salem and Hewitt's are expected to develop rapidly over the next decade, at about 1,400 units per year from 2023 to 2031. Growth will then slow to approximately 500 units per year until 2041. The majority of units constructed in the Secondary Plan Areas will be low and medium density.

Housing growth in the Former Municipal Boundary will be relatively steady, averaging 1,100 units over the 2023-2032 planning period before increasing to 1,500 units per year from 2033-2041. Higher density apartments will be the dominant form in the Former Municipal Boundary recognizing that most of the area is built-out and most growth will take the form of intensification.

As shown in Table A-15, the same PPU assumptions applied to the Citywide forecast have been used for the Area-Specific forecasts.



Table A-16 summarizes the anticipated employment growth in new floorspace over the 10-year and long-term planning periods within the Secondary Plan Areas and Former Municipal Boundary. Approximately 62% of the new non-residential floor space is anticipated to be located within the Former Municipal Boundary. The same FSW assumptions used to determine the City-wide forecasts of new non-residential gross floor area have been used for the Salem and Hewitt's Secondary Plan Area forecasts.

A map showing the Salem and Hewitt's Secondary Plan Area is provided in Appendix E.



APPENDIX A
TABLE A-1
CITY OF BARRIE
HISTORICAL POPULATION & OCCUPIED DWELLING UNIT SUMMARY

| Mid-Year | Census Population | Annual Growth | Occupied Dwelling Unit | Annual Growth | Av. Household Size (PPU) |
|------------------|----------------------|------------------|------------------------|------------------|-----------------------------|
| 2006 | 128,430 | | 46,540 | | 2.76 |
| 2007 | 129,922 | 1,492 | 47,200 | 660 | 2.75 |
| 2008 | 131,431 | 1,509 | 47,869 | 669 | 2.75 |
| 2009 | 132,957 | 1,526 | 48,548 | 679 | 2.74 |
| 2010 | 134,501 | 1,544 | 49,236 | 688 | 2.73 |
| 2011 | 136,063 | 1,562 | 49,935 | 699 | 2.72 |
| 2012 | 137,121 | 1,058 | 50,436 | 501 | 2.72 |
| 2013 | 138,187 | 1,066 | 50,942 | 506 | 2.71 |
| 2014 | 139,261 | 1,074 | 51,453 | 511 | 2.71 |
| 2015 | 140,343 | 1,082 | 51,969 | 516 | 2.70 |
| 2016 | 141,434 | 1,091 | 52,490 | 521 | 2.69 |
| 2017 | 142,690 | 1,256 | 53,043 | 553 | 2.69 |
| 2018 | 143,958 | 1,268 | 53,602 | 559 | 2.69 |
| 2019 | 145,237 | 1,279 | 54,167 | 565 | 2.68 |
| 2020 | 146,527 | 1,290 | 54,738 | 571 | 2.68 |
| 2021 | 147,829 | 1,302 | 55,315 | 577 | 2.67 |
| 2022 | 152,641 | 4,812 | 57,445 | 2,130 | 2.66 |
| Growth 2008-2022 | | 22,719 | | 10,245 | |

Source: Statistics Canada, Census of Canada, Hemson Consulting Ltd., 2023



APPENDIX A
TABLE A-2
CITY OF BARRIE
HISTORICAL ANNUAL HOUSING COMPLETIONS (CMHC)

| Mid-Year | | Housing Uni | its by Type | | Shares By Unit Type | | | |
|-----------|---------------|-------------|-------------|-------|---------------------|------|------------|-------|
| wiid-Tear | Singles/Semis | Rows | Apartments | Total | Singles/Semis | Rows | Apartments | Total |
| 2011 | 226 | 116 | 191 | 533 | 42% | 22% | 36% | 100% |
| 2012 | 161 | 47 | 10 | 218 | 74% | 22% | 5% | 100% |
| 2013 | 196 | 224 | 89 | 509 | 39% | 44% | 17% | 100% |
| 2014 | 116 | 48 | 285 | 449 | 26% | 11% | 63% | 100% |
| 2015 | 89 | 142 | 320 | 551 | 16% | 26% | 58% | 100% |
| 2016 | 109 | 67 | 212 | 388 | 28% | 17% | 55% | 100% |
| 2017 | 66 | 125 | 254 | 445 | 15% | 28% | 57% | 100% |
| 2018 | 101 | 159 | 366 | 626 | 16% | 25% | 58% | 100% |
| 2019 | 36 | 138 | 127 | 301 | 12% | 46% | 42% | 100% |
| 2020 | 217 | 133 | 82 | 432 | 50% | 31% | 19% | 100% |
| 2021 | 163 | 19 | 283 | 465 | 35% | 4% | 61% | 100% |
| 2022 | 103 | 238 | 329 | 670 | 15% | 36% | 49% | 100% |

Source: Statistics Canada, Census of Canada and Canada Mortgage and Housing Corporation (CMHC), Housing Market Information.

APPENDIX A
TABLE A-3
CITY OF BARRIE

HISTORICAL OCCUPIED DWELLINGS BY UNIT TYPE

| Mid-Year | | Housing Uni | ts by Type | | Shares By Unit Type | | | |
|------------|---------------|-------------|------------|--------|---------------------|------|------------|-------|
| Iviiu-Teal | Singles/Semis | Rows | Apartments | Total | Singles/Semis | Rows | Apartments | Total |
| 2011 | 33,425 | 7,930 | 8,580 | 49,935 | 67% | 16% | 17% | 100% |
| 2012 | 33,507 | 8,123 | 8,795 | 50,425 | 66% | 16% | 17% | 100% |
| 2013 | 33,589 | 8,321 | 9,015 | 50,925 | 66% | 16% | 18% | 100% |
| 2014 | 33,671 | 8,524 | 9,241 | 51,436 | 65% | 17% | 18% | 100% |
| 2015 | 33,753 | 8,732 | 9,473 | 51,958 | 65% | 17% | 18% | 100% |
| 2016 | 33,835 | 8,945 | 9,710 | 52,490 | 64% | 17% | 18% | 100% |
| 2017 | 33,992 | 9,154 | 9,891 | 53,037 | 64% | 17% | 19% | 100% |
| 2018 | 34,149 | 9,368 | 10,075 | 53,592 | 64% | 17% | 19% | 100% |
| 2019 | 34,307 | 9,587 | 10,263 | 54,157 | 63% | 18% | 19% | 100% |
| 2020 | 34,466 | 9,811 | 10,454 | 54,731 | 63% | 18% | 19% | 100% |
| 2021 | 34,625 | 10,040 | 10,650 | 55,315 | 63% | 18% | 19% | 100% |
| 2022 | 35,372 | 10,573 | 11,500 | 57,445 | 62% | 18% | 20% | 100% |

Source: Statistics Canada



APPENDIX A
TABLE A-4
CITY OF BARRIE
HISTORICAL ANNUAL GROWTH IN OCCUPIED DWELLINGS BY UNIT TYPE

| Mid-Year | | Annual Growth | in Households | | | Shares By | Unit Type | |
|--------------------|---------------|---------------|---------------|-------|---------------|-----------|------------|-------|
| IVIId-Teal | Singles/Semis | Rows | Apartments | Total | Singles/Semis | Rows | Apartments | Total |
| 2011 | 468 | 165 | 67 | 700 | 67% | 24% | 10% | 100% |
| 2012 | 82 | 193 | 215 | 490 | 17% | 39% | 44% | 100% |
| 2013 | 82 | 198 | 220 | 500 | 16% | 40% | 44% | 100% |
| 2014 | 82 | 203 | 226 | 511 | 16% | 40% | 44% | 100% |
| 2015 | 82 | 208 | 232 | 522 | 16% | 40% | 44% | 100% |
| 2016 | 82 | 213 | 237 | 532 | 15% | 40% | 45% | 100% |
| 2017 | 157 | 209 | 181 | 547 | 29% | 38% | 33% | 100% |
| 2018 | 157 | 214 | 184 | 555 | 28% | 39% | 33% | 100% |
| 2019 | 158 | 219 | 188 | 565 | 28% | 39% | 33% | 100% |
| 2020 | 159 | 224 | 191 | 574 | 28% | 39% | 33% | 100% |
| 2021 | 159 | 229 | 196 | 584 | 27% | 39% | 34% | 100% |
| 2022 | 747 | 533 | 850 | 2,130 | 35% | 25% | 40% | 100% |
| Growth 2011 - 2022 | 1,668 | 2,275 | 2,137 | 6,080 | 27% | 37% | 35% | 100% |

Source: Statistics Canada, Census of Canada and Canada Mortgage and Housing Corporation (CMHC), Housing Market Information.



APPENDIX A
TABLE A-5
CITY OF BARRIE
HISTORICAL HOUSEHOLDS BY PERIOD OF CONSTRUCTION

| Dwelling Unit Type | | | | | | Period of Constru | ction | | | | | | | |
|----------------------------|---------------|-----------|-----------|-----------|-----------|-------------------|-----------|-----------|-----------|-----------|-----------|----------|-----------|---------|
| Dweiling Offic Type | Pre 1945 | 1946-1960 | 1961-1970 | 1971-1980 | 1981-1990 | 1991-1995 | 1996-2000 | 2001-2005 | 2006-2010 | 2011-2016 | 2016-2021 | Pre 2011 | 2011-2021 | Total |
| Singles & Semis | | | | | | | | | | | | | | |
| Household Population | 2,830 | 5,340 | 5,900 | 10,240 | 14,340 | 10,255 | 17,805 | 20,580 | 9,270 | 3,980 | 2,795 | 96,560 | 6,775 | 103,335 |
| Households | 1,150 | 2,240 | 2,160 | 3,715 | 4,810 | 3,330 | 5,910 | 6,400 | 2,775 | 1,165 | 955 | 32,490 | 2,120 | 34,610 |
| Household Size | 2.46 | 2.38 | 2.73 | 2.76 | 2.98 | 3.08 | 3.01 | 3.22 | 3.34 | 3.42 | 2.93 | 2.97 | 3.20 | 2.99 |
| Rows (with duplex) | | | | | | | | | | | | | | |
| Household Population | 540 | 1,005 | 1,385 | 2,635 | 3,425 | 1,960 | 3,990 | 3,900 | 2,025 | 1.490 | 1,500 | 20,865 | 2.990 | 23,855 |
| Households | 300 | 470 | 540 | 1,100 | 1,390 | 830 | 1,580 | 1,535 | 790 | 635 | 790 | 8,535 | 1,425 | 9,960 |
| Household Size | 1.80 | 2.14 | 2.56 | 2.40 | 2.46 | 2.36 | 2.53 | 2.54 | 2.56 | 2.35 | 1.90 | 2.44 | 2.10 | 2.40 |
| Apartments - One Bedroom | or Less | | | | | | | | | | | | | |
| Household Population | 525 | 335 | 440 | 720 | 750 | 340 | 285 | 195 | 250 | 285 | 305 | 3,840 | 590 | 4,430 |
| Households | 440 | 265 | 375 | 605 | 630 | 285 | 220 | 165 | 195 | 250 | 250 | 3,180 | 500 | 3,680 |
| Household Size | 1.19 | 1.26 | 1.17 | 1.19 | 1.19 | 1.19 | 1.30 | 1.18 | 1.28 | 1.14 | 1.22 | 1.21 | 1.18 | 1.20 |
| Apartments - Two or More E | Bedrooms | | | | | | | | | | | | | |
| Household Population | 695 | 720 | 1,420 | 2,370 | 2,150 | 1,265 | 875 | 810 | 910 | 1.285 | 1,185 | 11,215 | 2,470 | 13,685 |
| Households | 320 | 365 | 750 | 1,155 | 1,150 | 650 | 445 | 450 | 485 | 670 | 580 | 5,770 | 1,250 | 7,020 |
| Household Size | 2.17 | 1.97 | 1.89 | 2.05 | 1.87 | 1.95 | 1.97 | 1.80 | 1.88 | 1.92 | 2.04 | 1.94 | 1.98 | 1.95 |
| Apartments Total | | | | | | | | | | | | | | |
| Household Population | 1,220 | 1,055 | 1,860 | 3,090 | 2,900 | 1,605 | 1,160 | 1,005 | 1,160 | 1,570 | 1,490 | 15,055 | 3,060 | 18,115 |
| Households . | 760 | 630 | 1,125 | 1,760 | 1,780 | 935 | 665 | 615 | 680 | 920 | 830 | 8,950 | 1,750 | 10,700 |
| Household Size | 1.61 | 1.67 | 1.65 | 1.76 | 1.63 | 1.72 | 1.74 | 1.63 | 1.71 | 1.71 | 1.80 | 1.68 | 1.75 | 1.69 |
| All Units | | | | | | | | | | | | | | |
| Household Population | 5,810 | 8,455 | 11,005 | 19,055 | 23,565 | 15,425 | 24,115 | 26,490 | 13,615 | 8,610 | 7,275 | 147,535 | 15,885 | 163,420 |
| Households | 2,970 | 3,970 | 4,950 | 8,335 | 9,760 | 6,030 | 8,820 | 9,165 | 4,925 | 3,640 | 3,405 | 58,925 | 7,045 | 65,970 |
| Household Size | 1.96 | 2.13 | 2.22 | 2.29 | 2.41 | 2.56 | 2.73 | 2.89 | 2.76 | 2.37 | 2.14 | 2.50 | 2.25 | 2.48 |

Source: Statistics Canada



APPENDIX A
TABLE A-6
CITY OF BARRIE
HISTORICAL PLACE OF WORK EMPLOYMENT

| Mid-Year | Total For | Annual | Work at Home | Annual | Total | Annual |
|--------------------|-----------|----------|--------------|---------|-------------------|---------|
| wiid-Tear | DC Study | Growth | | Growth | Employment | Growth |
| 2006 | 60,318 | | 4,080 | | 64,398 | |
| 2007 | 60,931 | 613 | 4,067 | (13) | 64,998 | 600 |
| 2008 | 61,563 | 632 | 4,054 | (13) | 65,617 | 619 |
| 2009 | 62,217 | 654 | 4,041 | (13) | 66,258 | 641 |
| 2010 | 62,892 | 675 | 4,028 | (13) | 66,920 | 662 |
| 2011 | 63,590 | 698 | 4,015 | (13) | 67,605 | 685 |
| 2012 | 64,392 | 802 | 4,118 | 103 | 68,510 | 905 |
| 2013 | 65,205 | 813 | 4,223 | 105 | 69,428 | 918 |
| 2014 | 66,030 | 825 | 4,331 | 108 | 70,361 | 933 |
| 2015 | 66,866 | 836 | 4,442 | 111 | 71,308 | 947 |
| 2016 | 67,715 | 849 | 4,555 | 113 | 72,270 | 962 |
| 2017 | 69,210 | 1,495 | 4,690 | 135 | 73,900 | 1,630 |
| 2018 | 70,730 | 1,520 | 4,830 | 140 | 75,560 | 1,660 |
| 2019 | 72,730 | 2,000 | 4,960 | 130 | 77,690 | 2,130 |
| 2020 | 53,890 | (18,840) | 16,940 | 11,980 | 70,830 | (6,860) |
| 2021 | 57,330 | 3,440 | 14,960 | (1,980) | 72,290 | 1,460 |
| 2022 | 65,310 | 7,980 | 9,760 | (5,200) | 75,070 | 2,780 |
| Growth 2008 - 2022 | | 4,379 | | 5,693 | | 10,072 |

Source: Statistics Canada, Census of Canada.

Note: Employment Values Include No Fixed Place of Work Employment.



APPENDIX A
TABLE A-7
CITY OF BARRIE
POPULATION & OCCUPIED DWELLING UNIT FORECAST SUMMARY

| Mid-Year | Total | Annual | Census | Annual | Occupied | Annual | Av. Household |
|--------------------|------------|--------|------------|--------|----------------------|--------|---------------|
| Wild-Tear | Population | Growth | Population | Growth | Dwelling Unit | Growth | Size (PPU) |
| 2021 | 152,560 | | 147,829 | | 55,315 | | 2.67 |
| 2022 | 157,514 | 4,954 | 152,641 | 4,812 | 57,445 | 2,130 | 2.66 |
| 2023 | 162,629 | 5,115 | 157,610 | 4,969 | 59,657 | 2,212 | 2.64 |
| 2024 | 167,910 | 5,281 | 162,740 | 5,130 | 61,954 | 2,297 | 2.63 |
| 2025 | 173,362 | 5,452 | 168,037 | 5,297 | 64,339 | 2,385 | 2.61 |
| 2026 | 178,991 | 5,629 | 173,507 | 5,470 | 66,816 | 2,477 | 2.60 |
| 2027 | 184,803 | 5,812 | 179,155 | 5,648 | 69,389 | 2,573 | 2.58 |
| 2028 | 190,804 | 6,001 | 184,987 | 5,832 | 72,061 | 2,672 | 2.57 |
| 2029 | 197,000 | 6,196 | 191,009 | 6,022 | 74,836 | 2,775 | 2.55 |
| 2030 | 203,397 | 6,397 | 197,227 | 6,218 | 77,717 | 2,881 | 2.54 |
| 2031 | 210,000 | 6,603 | 203,646 | 6,419 | 80,709 | 2,992 | 2.52 |
| 2032 | 213,949 | 3,949 | 207,471 | 3,825 | 82,453 | 1,744 | 2.52 |
| 2033 | 217,972 | 4,023 | 211,368 | 3,897 | 84,235 | 1,782 | 2.51 |
| 2034 | 222,070 | 4,098 | 215,338 | 3,970 | 86,056 | 1,821 | 2.50 |
| 2035 | 226,246 | 4,176 | 219,383 | 4,045 | 87,916 | 1,860 | 2.50 |
| 2036 | 230,500 | 4,254 | 223,504 | 4,121 | 89,816 | 1,900 | 2.49 |
| 2037 | 234,834 | 4,334 | 227,702 | 4,198 | 91,757 | 1,941 | 2.48 |
| 2038 | 239,250 | 4,416 | 231,979 | 4,277 | 93,740 | 1,983 | 2.47 |
| 2039 | 243,749 | 4,499 | 236,337 | 4,358 | 95,766 | 2,026 | 2.47 |
| 2040 | 248,332 | 4,583 | 240,776 | 4,439 | 97,836 | 2,070 | 2.46 |
| 2041 | 253,000 | 4,668 | 245,300 | 4,524 | 99,950 | 2,114 | 2.45 |
| Growth 2023 - 2032 | | 56,435 | | 54,830 | | 25,008 | |
| Growth 2023 - 2041 | | 95,486 | | 92,659 | | 42,505 | |

Source: City of Barrie Growth Forecast Update - Scenario 3 (Made in Barrie)



APPENDIX A
TABLE A-8
CITY OF BARRIE
FORECAST OF OCCUPIED DWELLING UNITS BY UNIT TYPE

| Mid-Year | | Housing Uni | ts by Type | | Shares by Unit Type | | | |
|------------|---------------|-------------|------------|--------|---------------------|------|------------|-------|
| IVIId-Teal | Singles/Semis | Rows | Apartments | Total | Singles/Semis | Rows | Apartments | Total |
| 2021 | 34,625 | 10,040 | 10,650 | 55,315 | 63% | 18% | 19% | 100% |
| 2022 | 35,372 | 10,573 | 11,500 | 57,445 | 62% | 18% | 20% | 100% |
| 2023 | 36,105 | 11,134 | 12,418 | 59,657 | 61% | 19% | 21% | 100% |
| 2024 | 36,819 | 11,725 | 13,410 | 61,954 | 59% | 19% | 22% | 100% |
| 2025 | 37,511 | 12,347 | 14,481 | 64,339 | 58% | 19% | 23% | 100% |
| 2026 | 38,177 | 13,002 | 15,637 | 66,816 | 57% | 19% | 23% | 100% |
| 2027 | 38,811 | 13,692 | 16,886 | 69,389 | 56% | 20% | 24% | 100% |
| 2028 | 39,408 | 14,419 | 18,234 | 72,061 | 55% | 20% | 25% | 100% |
| 2029 | 39,962 | 15,184 | 19,690 | 74,836 | 53% | 20% | 26% | 100% |
| 2030 | 40,465 | 15,990 | 21,262 | 77,717 | 52% | 21% | 27% | 100% |
| 2031 | 40,907 | 16,840 | 22,962 | 80,709 | 51% | 21% | 28% | 100% |
| 2032 | 41,181 | 17,176 | 24,096 | 82,453 | 50% | 21% | 29% | 100% |
| 2033 | 41,430 | 17,519 | 25,286 | 84,235 | 49% | 21% | 30% | 100% |
| 2034 | 41,652 | 17,869 | 26,535 | 86,056 | 48% | 21% | 31% | 100% |
| 2035 | 41,844 | 18,226 | 27,846 | 87,916 | 48% | 21% | 32% | 100% |
| 2036 | 42,004 | 18,591 | 29,221 | 89,816 | 47% | 21% | 33% | 100% |
| 2037 | 42,222 | 18,997 | 30,538 | 91,757 | 46% | 21% | 33% | 100% |
| 2038 | 42,413 | 19,412 | 31,915 | 93,740 | 45% | 21% | 34% | 100% |
| 2039 | 42,576 | 19,836 | 33,354 | 95,766 | 44% | 21% | 35% | 100% |
| 2040 | 42,709 | 20,269 | 34,858 | 97,836 | 44% | 21% | 36% | 100% |
| 2041 | 42,811 | 20,710 | 36,429 | 99,950 | 43% | 21% | 36% | 100% |

Source: City of Barrie Growth Forecast Update - Scenario 3 (Made in Barrie)



APPENDIX A
TABLE A-9
CITY OF BARRIE
FORECAST OF OCCUPIED DWELLING GROWTH BY UNIT TYPE

| Mid-Year | Growth in Occu | pied Dwellings b | y Unit Type | Total |
|--------------------|----------------|------------------|-------------|--------|
| Wild-Teal | Singles/Semis | Rows | Apartments | Growth |
| 2023 | 733 | 561 | 918 | 2,212 |
| 2024 | 714 | 591 | 992 | 2,297 |
| 2025 | 692 | 622 | 1,071 | 2,385 |
| 2026 | 666 | 655 | 1,156 | 2,477 |
| 2027 | 634 | 690 | 1,249 | 2,573 |
| 2028 | 597 | 727 | 1,348 | 2,672 |
| 2029 | 554 | 765 | 1,456 | 2,775 |
| 2030 | 503 | 806 | 1,572 | 2,881 |
| 2031 | 442 | 850 | 1,700 | 2,992 |
| 2032 | 274 | 336 | 1,134 | 1,744 |
| 2033 | 249 | 343 | 1,190 | 1,782 |
| 2034 | 222 | 350 | 1,249 | 1,821 |
| 2035 | 192 | 357 | 1,311 | 1,860 |
| 2036 | 160 | 365 | 1,375 | 1,900 |
| 2037 | 218 | 406 | 1,317 | 1,941 |
| 2038 | 191 | 415 | 1,377 | 1,983 |
| 2039 | 163 | 424 | 1,439 | 2,026 |
| 2040 | 133 | 433 | 1,504 | 2,070 |
| 2041 | 102 | 441 | 1,571 | 2,114 |
| Growth 2023 - 2032 | 5,809 | 6,603 | 12,596 | 25,008 |
| Growth 2023 - 2041 | 7,439 | 10,137 | 24,929 | 42,505 |

Source: City of Barrie Growth Forecast Update - Scenario 3 (Made in Barrie), Hemson Consulting 2023



APPENDIX A
TABLE A-10
CITY OF BARRIE
POPULATION GROWTH IN NEW OCCUPIED DWELLINGS BY UNIT TYPE*

| Mid-Year | Popul | ation By Unit Ty | ре | Total |
|--------------------|---------------|------------------|------------|----------|
| Iviiu- i eai | Singles/Semis | Rows | Apartments | Occupied |
| 2023 | 2,342 | 1,344 | 1,652 | 5,338 |
| 2024 | 2,282 | 1,415 | 1,786 | 5,483 |
| 2025 | 2,211 | 1,490 | 1,928 | 5,629 |
| 2026 | 2,128 | 1,569 | 2,081 | 5,778 |
| 2027 | 2,026 | 1,653 | 2,248 | 5,927 |
| 2028 | 1,908 | 1,741 | 2,426 | 6,075 |
| 2029 | 1,770 | 1,832 | 2,621 | 6,223 |
| 2030 | 1,607 | 1,930 | 2,830 | 6,367 |
| 2031 | 1,413 | 2,036 | 3,060 | 6,509 |
| 2032 | 876 | 805 | 2,041 | 3,722 |
| 2033 | 796 | 822 | 2,142 | 3,760 |
| 2034 | 709 | 838 | 2,248 | 3,795 |
| 2035 | 614 | 855 | 2,360 | 3,829 |
| 2036 | 511 | 874 | 2,475 | 3,860 |
| 2037 | 697 | 972 | 2,371 | 4,040 |
| 2038 | 610 | 994 | 2,479 | 4,083 |
| 2039 | 521 | 1,016 | 2,590 | 4,127 |
| 2040 | 425 | 1,037 | 2,707 | 4,169 |
| 2041 | 326 | 1,056 | 2,828 | 4,210 |
| Growth 2023 - 2032 | 18,563 | 15,815 | 22,673 | 57,051 |
| Growth 2023 - 2041 | 23,772 | 24,279 | 44,873 | 92,924 |
| *Based on PPUs | 3.20 | 2.40 | 1.80 | |



APPENDIX A
TABLE A-11
CITY OF BARRIE
FORECAST OF PLACE OF WORK EMPLOYMENT

| Mid-Year | Total For | Annual | | Work at Home | Annual | Total | Annual |
|--------------------|-----------|--------|---------------|--------------|---------|------------|--------|
| Wild Tear | DC Study | Growth | Activity Rate | | Growth | Employment | Growth |
| 2021 | 57,330 | 3,440 | 39% | 14,960 | (1,980) | 72,290 | 1,460 |
| 2022 | 65,310 | 7,980 | 43% | 9,760 | (5,200) | 75,070 | 2,780 |
| 2023 | 68,310 | 3,000 | 43% | 9,650 | (110) | 77,960 | 2,890 |
| 2024 | 71,490 | 3,180 | 44% | 9,470 | (180) | 80,960 | 3,000 |
| 2025 | 74,990 | 3,500 | 45% | 9,090 | (380) | 84,080 | 3,120 |
| 2026 | 77,930 | 2,940 | 45% | 9,380 | 290 | 87,310 | 3,230 |
| 2027 | 80,220 | 2,290 | 45% | 9,670 | 290 | 89,890 | 2,580 |
| 2028 | 82,580 | 2,360 | 45% | 9,970 | 300 | 92,550 | 2,660 |
| 2029 | 85,010 | 2,430 | 45% | 10,280 | 310 | 95,290 | 2,740 |
| 2030 | 87,510 | 2,500 | 44% | 10,600 | 320 | 98,110 | 2,820 |
| 2031 | 90,070 | 2,560 | 44% | 10,930 | 330 | 101,000 | 2,890 |
| 2032 | 92,300 | 2,230 | 44% | 11,190 | 260 | 103,490 | 2,490 |
| 2033 | 94,600 | 2,300 | 45% | 11,440 | 250 | 106,040 | 2,550 |
| 2034 | 96,940 | 2,340 | 45% | 11,710 | 270 | 108,650 | 2,610 |
| 2035 | 99,350 | 2,410 | 45% | 11,980 | 270 | 111,330 | 2,680 |
| 2036 | 101,812 | 2,462 | 46% | 12,260 | 280 | 114,072 | 2,742 |
| 2037 | 104,390 | 2,578 | 46% | 12,520 | 260 | 116,910 | 2,838 |
| 2038 | 107,030 | 2,640 | 46% | 12,790 | 270 | 119,820 | 2,910 |
| 2039 | 109,740 | 2,710 | 46% | 13,060 | 270 | 122,800 | 2,980 |
| 2040 | 112,520 | 2,780 | 47% | 13,340 | 280 | 125,860 | 3,060 |
| 2041 | 115,380 | 2,860 | 47% | 13,620 | 280 | 129,000 | 3,140 |
| Growth 2023 - 2032 | | 26,990 | | | 1,430 | | 28,420 |
| Growth 2023 - 2041 | | 50,070 | | | 3,860 | | 53,930 |

Note: Includes No Fixed Place of Work Employment



| Employment Density Assumptions | | |
|--------------------------------|------|---------------------------|
| Population-Related | | m ² / employee |
| Employment Land | | m ² / employee |
| Major Office | 25.0 | m ² / employee |
| Institutional Rural | 60.0 | m ² / employee |
| Rural | - | m ² / employee |

| | Population | n-Related | Employr | nent Land | Majo | Office | Insiti | tutional | Total for | DC Study | Tota | Retail | Total N | on-Retail |
|--------------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| | Emp. Growth in | N (0) |
| Mid-Year | New Space | New Space (m2) |
| 2022 | 431 | 21,540 | 410 | 45,060 | 13 | 320 | 257 | 15,400 | 1,111 | 82,320 | 431 | 21,540 | 680 | 60,780 |
| 2023 | 485 | 24,230 | 461 | 50,690 | 14 | 360 | 289 | 17,320 | 1,249 | 92,600 | 485 | | 764 | 68,370 |
| 2024 | 538 | 26,920 | 512 | 56,320 | 16 | 400 | 321 | 19,250 | 1,387 | 102,890 | 538 | 26,920 | 849 | 75,970 |
| 2025 | 592 | 29,610 | 563 | 61,950 | 18 | 440 | 353 | 21,170 | 1,526 | 113,170 | 592 | 29,610 | 934 | 83,560 |
| 2026 | 646 | 32,300 | 614 | 67,580 | 19 | 480 | 385 | 23,100 | 1,664 | 123,460 | 646 | 32,300 | 1,018 | 91,160 |
| 2027 | 700 | 35,000 | 666 | 73,220 | 21 | 520 | 417 | 25,020 | 1,804 | 133,760 | 700 | 35,000 | 1,104 | 98,760 |
| 2028 | 754 | 37,690 | 717 | 78,850 | 22 | 560 | 449 | 26,950 | 1,942 | 144,050 | 754 | 37,690 | 1,188 | 106,360 |
| 2029 | 808 | 40,380 | 768 | 84,480 | 24 | 600 | 481 | 28,870 | 2,081 | 154,330 | 808 | 40,380 | 1,273 | 113,950 |
| 2030 | 861 | 43,070 | 819 | 90,110 | 26 | 640 | 513 | 30,800 | 2,219 | 164,620 | 861 | 43,070 | 1,358 | 121,550 |
| 2031 | 915 | 45,760 | 870 | 95,740 | 27 | 680 | 545 | 32,720 | 2,357 | 174,900 | 915 | 45,760 | 1,442 | 129,140 |
| 2032 | 860 | 43,000 | 740 | 81,400 | 90 | 2,250 | 540 | 32,400 | 2,230 | 159,050 | 860 | 43,000 | 1,370 | 116,050 |
| 2033 | 890 | 44,500 | 770 | 84,700 | 90 | 2,250 | 550 | 33,000 | 2,300 | 164,450 | 890 | 44,500 | 1,410 | 119,950 |
| 2034 | 920 | 46,000 | 750 | 82,500 | 100 | 2,500 | 570 | 34,200 | 2,340 | 165,200 | 920 | 46,000 | 1,420 | 119,200 |
| 2035 | 950 | 47,500 | 770 | 84,700 | 110 | 2,750 | 580 | 34,800 | 2,410 | 169,750 | 950 | 47,500 | 1,460 | 122,250 |
| 2036 | 990 | 49,500 | 752 | 82,720 | 120 | 3,000 | 600 | 36,000 | 2,462 | 171,220 | 990 | 49,500 | 1,472 | 121,720 |
| 2037 | 1,020 | 51,000 | 818 | 89,980 | 130 | 3,250 | 610 | 36,600 | 2,578 | 180,830 | 1,020 | 51,000 | 1,558 | 129,830 |
| 2038 | 1,050 | 52,500 | 820 | | 140 | 3,500 | 630 | 37,800 | 2,640 | 184,000 | 1,050 | 52,500 | 1,590 | 131,500 |
| 2039 | 1,080 | 54,000 | 830 | 91,300 | 150 | 3,750 | 650 | 39,000 | 2,710 | 188,050 | 1,080 | | 1,630 | 134,050 |
| 2040 | 1,120 | 56,000 | 840 | 92,400 | 160 | 4,000 | 660 | 39,600 | 2,780 | 192,000 | 1,120 | 56,000 | 1,660 | 136,000 |
| 2041 | 1,160 | 58,000 | 840 | 92,400 | 180 | 4,500 | 680 | 40,800 | 2,860 | 195,700 | 1,160 | | 1,700 | 137,700 |
| Growth 2023 - 2032 | 7,159 | 357,960 | 6,730 | | 277 | 6,930 | 4,293 | 257,600 | 18,459 | | 7,159 | | 11,300 | 1,004,870 |
| Growth 2023 - 2041 | 16,339 | 816,960 | 13,920 | 1,531,240 | 1,457 | 36,430 | 9,823 | 589,400 | 41,539 | 2,974,030 | 16,339 | 816,960 | 25,200 | 2,157,070 |



APPENDIX A
TABLE A-13
CITY OF BARRIE
FORECAST AREA-SPECIFIC POPULATION

Census Population

| | Year | Total |
|---------------------|------|---------|
| Former Mun Boundary | 2022 | 151,412 |
| Salem & Hewitt's | 2022 | 1,229 |
| Total | | 152,641 |
| Former Mun Boundary | 2032 | 172,916 |
| Salem & Hewitt's | 2032 | 34,555 |
| Total | | 207,471 |
| Former Mun Boundary | 2041 | 201,318 |
| Salem & Hewitt's | 2041 | 43,982 |
| Total | | 245,300 |

Census Population Growth

| Year | Salem & | Former Mun | Total |
|--------------------|----------|------------|---------|
| i eai | Hewitt's | Boundary | Total |
| 2022 | 1,229 | 151,412 | 152,641 |
| 2023 | 4,077 | 153,533 | 157,610 |
| 2024 | 6,451 | 156,289 | 162,740 |
| 2025 | 9,225 | 158,812 | 168,037 |
| 2026 | 12,566 | 160,941 | 173,507 |
| 2027 | 15,463 | 163,692 | 179,155 |
| 2028 | 18,796 | 166,191 | 184,987 |
| 2029 | 23,216 | 167,793 | 191,009 |
| 2030 | 27,525 | 169,702 | 197,227 |
| 2031 | 33,322 | 170,324 | 203,646 |
| 2032 | 34,555 | 172,916 | 207,471 |
| 2033 | 35,732 | 175,636 | 211,368 |
| 2034 | 36,829 | 178,509 | 215,338 |
| 2035 | 37,855 | 181,528 | 219,383 |
| 2036 | 38,748 | 184,756 | 223,504 |
| 2037 | 39,837 | 187,865 | 227,702 |
| 2038 | 40,959 | 191,020 | 231,979 |
| 2039 | 42,050 | 194,287 | 236,337 |
| 2040 | 43,043 | 197,733 | 240,776 |
| 2041 | 43,982 | 201,318 | 245,300 |
| Growth 2023 - 2032 | 33,326 | 21,504 | 54,830 |
| Growth 2023 - 2041 | 42,753 | 49,906 | 92,659 |



Salem & Hewitt's

| Mid-Year | | Housing Un | its by Type | | | Shares by | Unit Type | |
|----------|---------------|------------|-------------|--------|---------------|-----------|------------|-------|
| Miu-Tear | Singles/Semis | Rows | Apartments | Total | Singles/Semis | Rows | Apartments | Total |
| 2022 | 573 | - | - | 573 | 100% | 0% | 0% | 100% |
| 2023 | 1,273 | 150 | 120 | 1,543 | 83% | 10% | 8% | 100% |
| 2024 | 1,973 | 300 | 183 | 2,456 | 80% | 12% | 7% | 100% |
| 2025 | 2,653 | 600 | 279 | 3,532 | 75% | 17% | 8% | 100% |
| 2026 | 3,313 | 1,100 | 426 | 4,839 | 68% | 23% | 9% | 100% |
| 2027 | 3,938 | 1,400 | 651 | 5,989 | 66% | 23% | 11% | 100% |
| 2028 | 4,528 | 1,800 | 994 | 7,322 | 62% | 25% | 14% | 100% |
| 2029 | 5,078 | 2,500 | 1,518 | 9,096 | 56% | 27% | 17% | 100% |
| 2030 | 5,528 | 3,000 | 2,318 | 10,846 | 51% | 28% | 21% | 100% |
| 2031 | 5,954 | 3,699 | 3,553 | 13,206 | 45% | 28% | 27% | 100% |
| 2032 | 6,224 | 3,871 | 3,638 | 13,733 | 45% | 28% | 26% | 100% |
| 2033 | 6,464 | 4,051 | 3,725 | 14,240 | 45% | 28% | 26% | 100% |
| 2034 | 6,664 | 4,240 | 3,814 | 14,718 | 45% | 29% | 26% | 100% |
| 2035 | 6,827 | 4,437 | 3,906 | 15,170 | 45% | 29% | 26% | 100% |
| 2036 | 6,927 | 4,644 | 4,000 | 15,571 | 44% | 30% | 26% | 100% |
| 2037 | 7,097 | 4,860 | 4,096 | 16,053 | 44% | 30% | 26% | 100% |
| 2038 | 7,271 | 5,086 | 4,194 | 16,551 | 44% | 31% | 25% | 100% |
| 2039 | 7,421 | 5,323 | 4,295 | 17,039 | 44% | 31% | 25% | 100% |
| 2040 | 7,521 | 5,571 | 4,398 | 17,490 | 43% | 32% | 25% | 100% |
| 2041 | 7,587 | 5,830 | 4,504 | 17,921 | 42% | 33% | 25% | 100% |

Former Municipal Boundary

| Mid-Year | | Occupied H | ouseholds | | | Shares by | Unit Type | |
|----------|---------------|------------|------------|--------|---------------|-----------|------------|-------|
| | Singles/Semis | Rows | Apartments | Total | Singles/Semis | Rows | Apartments | Total |
| 2022 | 34,799 | 10,573 | 11,500 | 56,872 | 61% | 19% | 20% | 100% |
| 2023 | 34,832 | 10,984 | 12,298 | 58,114 | 60% | 19% | 21% | 100% |
| 2024 | 34,846 | 11,425 | 13,227 | 59,498 | 59% | 19% | 22% | 100% |
| 2025 | 34,858 | 11,747 | 14,202 | 60,807 | 57% | 19% | 23% | 100% |
| 2026 | 34,864 | 11,902 | 15,211 | 61,977 | 56% | 19% | 25% | 100% |
| 2027 | 34,873 | 12,292 | 16,235 | 63,400 | 55% | 19% | 26% | 100% |
| 2028 | 34,880 | 12,619 | 17,240 | 64,739 | 54% | 19% | 27% | 100% |
| 2029 | 34,884 | 12,684 | 18,172 | 65,740 | 53% | 19% | 28% | 100% |
| 2030 | 34,937 | 12,990 | 18,944 | 66,871 | 52% | 19% | 28% | 100% |
| 2031 | 34,953 | 13,141 | 19,409 | 67,503 | 52% | 19% | 29% | 100% |
| 2032 | 34,957 | 13,305 | 20,458 | 68,720 | 51% | 19% | 30% | 100% |
| 2033 | 34,966 | 13,468 | 21,561 | 69,995 | 50% | 19% | 31% | 100% |
| 2034 | 34,988 | 13,629 | 22,721 | 71,338 | 49% | 19% | 32% | 100% |
| 2035 | 35,017 | 13,789 | 23,940 | 72,746 | 48% | 19% | 33% | 100% |
| 2036 | 35,077 | 13,947 | 25,221 | 74,245 | 47% | 19% | 34% | 100% |
| 2037 | 35,125 | 14,137 | 26,442 | 75,704 | 46% | 19% | 35% | 100% |
| 2038 | 35,142 | 14,326 | 27,721 | 77,189 | 46% | 19% | 36% | 100% |
| 2039 | 35,155 | 14,513 | 29,059 | 78,727 | 45% | 18% | 37% | 100% |
| 2040 | 35,188 | 14,698 | 30,460 | 80,346 | 44% | 18% | 38% | 100% |
| 2041 | 35,224 | 14,880 | 31,925 | 82,029 | 43% | 18% | 39% | 100% |



Salem & Hewitt's

| Mid-Year | Growth in Occı | ipied Dwellings b | y Unit Type | Total |
|--------------------|----------------|-------------------|-------------|--------|
| Wild-Teal | Singles/Semis | Rows | Apartments | Growth |
| 2023 | 700 | 150 | 120 | 970 |
| 2024 | 700 | 150 | 63 | 913 |
| 2025 | 680 | 300 | 96 | 1,076 |
| 2026 | 660 | 500 | 147 | 1,307 |
| 2027 | 625 | 300 | 225 | 1,150 |
| 2028 | 590 | 400 | 343 | 1,333 |
| 2029 | 550 | 700 | 524 | 1,774 |
| 2030 | 450 | 500 | 800 | 1,750 |
| 2031 | 426 | 699 | 1,235 | 2,360 |
| 2032 | 270 | 172 | 85 | 527 |
| 2033 | 240 | 180 | 87 | 507 |
| 2034 | 200 | 189 | 89 | 478 |
| 2035 | 163 | 197 | 92 | 452 |
| 2036 | 100 | 207 | 94 | 401 |
| 2037 | 170 | 216 | 96 | 482 |
| 2038 | 174 | 226 | 98 | 498 |
| 2039 | 150 | 237 | 101 | 488 |
| 2040 | 100 | 248 | 103 | 451 |
| 2041 | 66 | 259 | 106 | 431 |
| Growth 2023 - 2032 | 5,651 | 3,871 | 3,638 | 13,160 |
| Growth 2023 - 2041 | 7,014 | 5,830 | 4,504 | 17,348 |

Former Municipal Boundary

| Mid-Year | Growth in Occu | pied Dwellings b | y Unit Type | Total |
|--------------------|----------------|------------------|-------------|--------|
| Iviiu-Teal | Singles/Semis | Rows | Apartments | Growth |
| 2023 | 33 | 411 | 798 | 1,242 |
| 2024 | 14 | 441 | 929 | 1,384 |
| 2025 | 12 | 322 | 975 | 1,309 |
| 2026 | 6 | 155 | 1,009 | 1,170 |
| 2027 | 9 | 390 | 1,024 | 1,423 |
| 2028 | 7 | 327 | 1,005 | 1,339 |
| 2029 | 4 | 65 | 932 | 1,001 |
| 2030 | 53 | 306 | 772 | 1,131 |
| 2031 | 16 | 151 | 465 | 632 |
| 2032 | 4 | 164 | 1,049 | 1,217 |
| 2033 | 9 | 163 | 1,103 | 1,275 |
| 2034 | 22 | 161 | 1,160 | 1,343 |
| 2035 | 29 | 160 | 1,219 | 1,408 |
| 2036 | 60 | 158 | 1,281 | 1,499 |
| 2037 | 48 | 190 | 1,221 | 1,459 |
| 2038 | 17 | 189 | 1,279 | 1,485 |
| 2039 | 13 | 187 | 1,338 | 1,538 |
| 2040 | 33 | 185 | 1,401 | 1,619 |
| 2041 | 36 | 182 | 1,465 | 1,683 |
| Growth 2023 - 2032 | 158 | 2,732 | 8,958 | 11,848 |
| Growth 2023 - 2041 | 425 | 4,307 | 20,425 | 25,157 |



APPENDIX A
TABLE A-15
CITY OF BARRIE
FORECAST AREA-SPECIFIC OCCUPIED DWELLING UNITS

Salem & Hewitt's

| Mid-Year | Popul | ation By Unit Ty | ре | Total |
|--------------------|---------------|------------------|------------|--------|
| iviid- rear | Singles/Semis | Rows | Apartments | |
| 2023 | 2,237 | 359 | 216 | 2,812 |
| 2024 | 2,237 | 359 | 113 | 2,709 |
| 2025 | 2,173 | 719 | 173 | 3,065 |
| 2026 | 2,109 | 1,198 | 265 | 3,572 |
| 2027 | 1,997 | 719 | 405 | 3,121 |
| 2028 | 1,885 | 958 | 617 | 3,460 |
| 2029 | 1,758 | 1,677 | 943 | 4,378 |
| 2030 | 1,438 | 1,198 | 1,440 | 4,076 |
| 2031 | 1,361 | 1,674 | 2,223 | 5,258 |
| 2032 | 863 | 412 | 153 | 1,428 |
| 2033 | 767 | 431 | 157 | 1,355 |
| 2034 | 639 | 453 | 160 | 1,252 |
| 2035 | 521 | 472 | 166 | 1,159 |
| 2036 | 320 | 496 | 169 | 985 |
| 2037 | 543 | 517 | 173 | 1,233 |
| 2038 | 556 | 541 | 176 | 1,273 |
| 2039 | 479 | 568 | 182 | 1,229 |
| 2040 | 320 | 594 | 185 | 1,099 |
| 2041 | 211 | 620 | 191 | 1,022 |
| Growth 2023 - 2032 | 18,058 | 9,273 | 6,548 | 33,879 |
| Growth 2023 - 2041 | 22,414 | 13,965 | 8,107 | 44,486 |
| *Based on PPUs | 3.20 | 2.40 | 1.80 | |

Source: Hemson Consulting Ltd., 2023

Former Municipal Boundary

| Mid-Year | Popul | ation By Unit Ty | pe | Total |
|--------------------|---------------|------------------|------------|--------|
| Miu-Tear | Singles/Semis | Rows | Apartments | |
| 2023 | 105 | 984 | 1,436 | 2,525 |
| 2024 | 45 | 1,056 | 1,672 | 2,773 |
| 2025 | 38 | 771 | 1,755 | 2,564 |
| 2026 | 19 | 371 | 1,816 | 2,206 |
| 2027 | 29 | 934 | 1,843 | 2,806 |
| 2028 | 22 | 783 | 1,809 | 2,614 |
| 2029 | 13 | 156 | 1,678 | 1,847 |
| 2030 | 169 | 733 | 1,390 | 2,292 |
| 2031 | 51 | 362 | 837 | 1,250 |
| 2032 | 13 | 393 | 1,888 | 2,294 |
| 2033 | 29 | 390 | 1,985 | 2,404 |
| 2034 | 70 | 386 | 2,088 | 2,544 |
| 2035 | 93 | 383 | 2,194 | 2,670 |
| 2036 | 192 | 378 | 2,306 | 2,876 |
| 2037 | 153 | 455 | 2,198 | 2,806 |
| 2038 | 54 | 453 | 2,302 | 2,809 |
| 2039 | 42 | 448 | 2,408 | 2,898 |
| 2040 | 105 | 443 | 2,522 | 3,070 |
| 2041 | 115 | 436 | 2,637 | 3,188 |
| Growth 2023 - 2032 | 504 | 6,543 | 16,124 | 23,171 |
| Growth 2023 - 2041 | 1,357 | 10,315 | 36,764 | 48,436 |
| *Based on PPUs | 3.20 | 2.40 | 1.80 | |



FORECAST AREA-SPECIFIC PLACE OF WORK EMPLOYMENT & NEW NON-RESIDENTIAL SPACE

Employment - Growth

| | Year | Population- Related | Employment Land | Major Office | Institutional | Total |
|---------------------------|-----------|------------------------|--------------------|-----------------|---------------|--------|
| Former Municipal Boundary | 2023-2032 | 5,011 | 3,701 | 166 | 2,790 | 11,668 |
| Salem & Hewitt's | 2023-2032 | 2,148 | 3,029 | 111 | 1,503 | 6,791 |
| Total | | 7,159 | 6,730 | 277 | 4,293 | 18,459 |
| Former Mun Boundary | 2023-2041 | 12,254 | 6,960 | 1,020 | 7,367 | 27,601 |
| Salem & Hewitt's | 2023-2041 | 4,085 | 6,960 | 437 | 2,456 | 13,938 |
| Total | | 16,339 | 13,920 | 1,457 | 9,823 | 41,539 |

Employment - GFA Growth

| | Year | Population- | Employment | Major | Institutional | Total |
|---------------------------|-----------|-------------|------------|--------|---------------|-----------|
| | | Related | Land | Office | | |
| Former Municipal Boundary | 2023-2032 | 250,550 | 407,110 | 4,150 | 167,400 | 829,210 |
| Salem & Hewitt's | 2023-2032 | 107,400 | 333,190 | 2,775 | 90,180 | 533,545 |
| Total | | 357,950 | 740,300 | 6,925 | 257,580 | 1,362,755 |
| Former Municipal Boundary | 2023-2041 | 612,700 | 765,600 | 25,500 | 442,020 | 1,845,820 |
| Salem & Hewitt's | 2023-2041 | 204,250 | 765,600 | 10,925 | 147,360 | 1,128,135 |
| Total | | 816,950 | 1,531,200 | 36,425 | 589,380 | 2,973,955 |

| Employment Density Assumptions | | |
|---------------------------------------|-------|---------------------------|
| Population-Related | | m² / employee |
| Employment Land | 110.0 | m ² / employee |
| Major Office | 25.0 | m ² / employee |
| Institutional | 60.0 | m ² / employee |
| Rural | - | m ² / employee |



Appendix B General Services Technical Appendix



General Services Technical Appendix Introduction and Overview

The following appendix provides the detailed analysis undertaken to establish the development charge rates for each of the General Services in the City of Barrie. Seven General Services have been analysed as part of the Development Charges Background Study:

Appendix B.1 Library Services

Appendix B.2 Protection Services (Fire & Police)

Appendix B.3 Parks and Recreation

Appendix B.4 Services Related to a Highway: Public Works

Appendix B.5 Waste Diversion Services

Appendix B.6 Ambulance Services

Appendix B.7 Long Term Care

Every service contains a set of three tables. The tables provide the background data and analysis undertaken to arrive at the calculated development charge rates for that particular service. An overview of the content and purpose of each of the tables is given below.

A. 15-Year Historical Service Levels and Calculation of Maximum Allowable Funding Envelope

Table 1 presents the data used to determine the 15-year historical service level. The *DCA* and *O. Reg. 82/98* require that development charges be set at a level no higher than the average service level provided in the City. This must be done over the 15-year period immediately preceding the preparation of the background study, on a service-by-service basis. For the purpose of this study, the historical inventory period has been defined as 2008 to 2022.



O. Reg. 82/98 requires that when defining and determining historical service levels both the quantity and quality of service be taken into consideration. In most cases, the service levels are initially established in quantitative terms. For example, service levels for buildings are presented in terms of square feet. The qualitative aspect is introduced by considering the monetary value of the facility or service. In the case of buildings, for example, the cost would be shown in terms of cost per square foot to replace or construct a facility of the same quality. This approach helps to ensure that the growth-related capital facilities that are to be funded by new growth reflect not only the quantity (number and size) but also the quality (replacement value or cost) of service provided by the City in the past. Both the quantitative and qualitative aspects of service levels used in the current analysis are based on information provided by municipal staff. This information is generally based on historical records, recent tenders and experience with costs to acquire or construct similar facilities, equipment and infrastructure in comparable municipalities.

The final page of Table 1 shows the calculation of the "maximum allowable" funding envelope. The maximum allowable is defined as the 15-year historical service level (expressed as either \$/capita or \$/population and employment) multiplied by the forecast increase in net population growth, or net population and employment growth, over the planning period. The resulting figure is the value of capital infrastructure that must be constructed for that particular service so that the 15-year historical service level is maintained.

There is also a requirement in the *DCA* to consider "excess capacity" within the City's existing infrastructure that may be available to partially meet the future servicing requirements. If Council has expressed its intent before or at the time the capacity was created to recoup the cost of providing the capacity from new development, it is considered "committed excess capacity" under the *DCA*, and the associated capital cost is eligible for recovery. The development of the capital programs takes into consideration any available, or useable, servicing capacity with existing infrastructure.



Should uncommitted excess capacity exist, it is determined whether or not this capacity will be available to service new development, and if so, deductions to maximum allowable funding envelope are required.

B. 15-Year Historical Service Levels and Calculation of Maximum Allowable Funding Envelope

The *DCA* requires that Council express its intent to provide future capital facilities to support future growth. Based on the growth forecasts presented in Appendix A, the City's master plans and capital budgets, Hemson Consulting in collaboration with City staff has developed a development-related capital program which sets out the projects required to service anticipated growth for the 10-year period from 2023 to 2032.

A replacement share occurs when a new facility will, at least in part, replace a facility that is demolished, redeployed or will otherwise not be available to serve its former function. The replacement share of the capital program is not deemed to be development-related and is therefore removed from the development charge calculation. The capital cost for replacement will require funding from non-development charge sources, typically property taxes or user fees.

Although deemed development-related, not all of the net development-related capital program may be recoverable from development charges in the period from 2023 to 2032. For some of the services, a portion of the capital program will service growth that will not occur until after 2032. This portion of the capital program is either deemed "pre-built" service capacity to be considered as committed excess capacity to be recovered under future development, or is a service level increase.

The remaining portion of the net capital program represents the development-related cost that may be included in the development charge. In all cases, as required, this amount is equal to or less than the maximum allowable capital amount as calculated on the final page of Table 1. The



result is the discounted development-related net capital cost that is eligible for recovery against growth over the period from 2023 to 2032.

Calculation of the Unadjusted Development Charge Rates

The section below the capital program displays the calculation of the "unadjusted" development charge rates. The term "unadjusted" development charge is used to distinguish the charge that is calculated prior to cash flow financing considerations. The cash flow analysis is shown in Table 3.

The first step when determining the unadjusted development charge rate is to allocate the growth-related net capital cost between the residential and non-residential sectors. For services of Protection Services, Public Works and Fleet, and Ambulance Services, the growth-related costs have been apportioned as 75.6% residential and 24.4% non-residential (9.5% retail and 15.0% non-retail). This apportionment is based on the anticipated shares of census population and employment growth over the 10-year forecast period. Waste Diversion Services has been allocated 86.1% as residential and 13.9% non-residential (5.4% retail and 8.5% non-retail) which is based on the anticipated employment growth weighted at 50%. This allocation reflects that the non-residential sector has limited Waste Diversion Services which is discussed further in Appendix B.5.

The development-related costs associated with the Library Service, Parks and Recreation, and Long-Term Care have been allocated 100% to the residential sector because the need for these services is generally driven by residential development.

The residential share of the 2023-2032 DC eligible costs are then divided by the forecast population growth in new units. This gives the unadjusted residential development charge per capita. The non-residential growth-related net capital costs are divided by the forecast increase in non-residential gross floor area (GFA). This yields a charge per square metre of new non-residential GFA.



C. Cash Flow Analysis

A cash flow analysis is also undertaken to account for the timing of projects and receipt of development charges. Interest earnings or borrowing costs are, therefore, accounted for in the calculation as allowed under the *DCA*. Based on the growth forecast, the analysis calculates the development charges rate that is required to finance the net development-related capital spending plan including provisions for any borrowing costs or interest earnings on the reserve funds. The cash flow analysis is designed so that the closing cash balance at the end of the planning period is as close to nil as possible.

In order to determine appropriate development charges rates reflecting borrowing and earnings necessary to support the net development-related funding requirement, assumptions are used for the inflation rate and interest rate. An inflation rate of 2.0% is used for the funding requirements, an interest rate of 3.5% is used for positive opening balances, and a rate of 5.5% is used for negative opening balances.

Table 3 displays the results of the cash flow analysis and provides the adjusted or final per capita residential and per square metre (of GFA) non-residential development charges.



Appendix B.1 Library Services



Library Services

The Barrie Public Library provides library services from its central branch at 60 Worsley Street. The City has two additional branches including the Painswick Branch, and the Holly Branch which opened in 2022. The Library provides a wide range of resources including books, e-books, audio books, media and streaming services as well as a number of programs to the residents of the City. The following discusses the individual components included in the Library Services category. The analysis is set out in the tables which follow.

| Table B.1-1 | Historical Service Levels and Calculation of 15-Year Average Service Level |
|-------------|--|
| Table B.1-2 | 2023-2032 Development-Related Capital Forecast and Calculation of the Growth-Related Net Capital Costs |
| Table B.1-3 | Cash Flow Analysis |

A. 15-Year Historical Service Levels and Calculation of Maximum Allowable Funding Envelope

Table B.1-1 displays the Library Board 15-year historical inventory for buildings, land, materials, and furniture and equipment (excluding computer equipment).

The total gross floor area of the Downtown Branch, Painswick Branch, and the Holly Branch total 65,500 square feet. The total replacement value of the library buildings is \$55.68 million. The library buildings occupy approximately 2.12 hectares of land worth \$7.43 million. The City's collection materials, furniture and equipment associated with the branches are valued at \$8.47 million.



The 2022 full replacement value of the inventory of capital assets for library services for the City amounts to \$71.58 million and the 15-year historical average service level is \$453.00 per capita.

The historical service level multiplied by the 10-year forecast of net population growth results in a 10-year maximum allowable funding envelope of \$24.84 million (54,830 net population growth X historical service level of \$453.00/capita). Table 1 provides a summary of the level of service and the calculation of the 10-year funding envelope from 2023 to 2032. The calculation of the maximum allowable funding envelope is summarized as follows:

10-Year Funding Envelope Calculation

| 15-Year Average Service Level (2008 – 2022) | \$453.00 |
|---|--------------|
| Net Pop. Growth (2023 – 2032) | 54,830 |
| Maximum Allowable Funding Envelope | \$24,837,990 |

B. Development-Related Capital Program

The Library capital program includes four new building projects dispersed throughout the 10-year planning period. These projects include a provision for additional library space (5,000 sq.ft.) for \$4.25 million, a new Hewitt's Branch (15,000 sq.ft.) for \$10.50 million, a new Salem Branch (25,000 sq.ft.) for \$19.40 million, and a Downtown Branch Reconfiguration for \$1.50 million. Approximately, \$1.35 million has been removed from the eligible costs for the Downtown Branch Reconfiguration as benefit to existing (BTE) share as the reconfiguration is not creating net new additional space, but is nominally increasing programming capabilities.

The remainder of the Library Board capital program includes additions to the collection materials for each new branch for a total of \$7.20 million. There are no BTE shares for these provisions.



In total, \$3.17 million is available in DC reserves for Library Services and has been removed from the DC eligible costs. A further \$13.49 million related to the Salem Branch has been identified as a post-period share and will be eligible for recovery under subsequent DC Background Studies.

Approximately \$24.84 million of the DC costs are eligible for in-period recovery, and is allocated entirely against future residential development in the City of Barrie. This results in an unadjusted development charge of \$435.36 per capita.

C. Cash Flow Analysis

The current balance in the Library Board development charge reserve fund is \$3.17 million and that is included as the opening balance. After cash flow adjustments, the residential calculated charge increases to \$445.94 per capita. The increase reflects the front-ended nature of the capital program.

The following table summarizes the calculation of the Library Services development charge:

| | | | LIBR | ARY SERVICES SUI | MMARY | | | |
|---------------|----------------|-----------------------|-----------|------------------|-------------------|-----------|----------------|--------------------|
| 15-year Hist. | 202 | 23 - 2032 | | Unadjusted | | | Adjusted | |
| Service Level | Development-Re | lated Capital Program | | Development Cha | irge | | Development Ch | narge |
| per capita | Total | Net DC Recoverable | \$/capita | Retail \$/sq.m | Non-Retail\$/sq.m | \$/capita | Retail \$/sq.m | Non- Retail \$/sq. |
| \$453.00 | \$42,850,000 | \$24,837,990 | \$435.36 | \$0.00 | \$0.00 | \$445.94 | \$0.00 | \$0.00 |



CITY OF BARRIE INVENTORY OF CAPITAL ASSETS LIBRARY SERVICES

| BUILDINGS | | | | | | | | # of | Square Feet | | | | | | | | UNIT COST |
|------------------|---|------------|------------|------------|------------|------------|------------|------------|-------------|------------|------------|------------|------------|------------|------------|------------|--------------|
| Branch Name | Ī | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | (\$/sq. ft.) |
| Downtown Branch | | 46,000 | 46,000 | 46,000 | 46,000 | 46,000 | 46,000 | 46,000 | 46,000 | 46,000 | 46,000 | 46,000 | 46,000 | 46,000 | 46,000 | 46,000 | \$850 |
| Painswick Branch | | - | - | - | - | 15,005 | 15,005 | 15,005 | 15,005 | 15,005 | 15,005 | 15,005 | 15,005 | 15,005 | 15,005 | 15,005 | \$850 |
| Holly Branch | | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4,500 | \$850 |
| | | | | | | | | | | | | | | | | | |
| Total (sq.ft.) | | 46,000 | 46,000 | 46,000 | 46,000 | 61,005 | 61,005 | 61,005 | 61,005 | 61,005 | 61,005 | 61,005 | 61,005 | 61,005 | 61,005 | 65,505 | |
| Total (\$000) | | \$39,100.0 | \$39,100.0 | \$39,100.0 | \$39,100.0 | \$51,854.1 | \$51,854.1 | \$51,854.1 | \$51,854.1 | \$51,854.1 | \$51,854.1 | \$51,854.1 | \$51,854.1 | \$51,854.1 | \$51,854.1 | \$55,679.1 | 1 |

| LAND | | | | | | | # c | f Hectares | | | | | | | | UNIT COST |
|------------------|---------|---------|---------|---------|-----------|-----------|-----------|------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-------------|
| Branch Name | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | (\$/ha) |
| Downtown Branch | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 | \$3,500,000 |
| Painswick Branch | - | - | - | - | 1.62 | 1.62 | 1.62 | 1.62 | 1.62 | 1.62 | 1.62 | 1.62 | 1.62 | 1.62 | 1.62 | \$3,500,000 |
| Holly Branch | - | - | - | - | - | - | - | 1 | - | 1 | - | - | - | - | 0.25 | \$3,500,000 |
| | | | | | | | | | | | | | | | | |
| Total (ha) | 0.25 | 0.25 | 0.25 | 0.25 | 1.87 | 1.87 | 1.87 | 1.87 | 1.87 | 1.87 | 1.87 | 1.87 | 1.87 | 1.87 | 2.12 | |
| Total (\$000) | \$873.6 | \$873.6 | \$873.6 | \$873.6 | \$6,552.7 | \$6,552.7 | \$6,552.7 | \$6,552.7 | \$6,552.7 | \$6,552.7 | \$6,552.7 | \$6,552.7 | \$6,552.7 | \$6,552.7 | \$7,427.7 | |



CITY OF BARRIE INVENTORY OF CAPITAL ASSETS LIBRARY SERVICES

| MATERIALS | | | | | | | # of Coll | ection Mate | rials | | | | | | | UNIT COST |
|--|-----------|-----------|-----------|------------|------------|------------|------------|-------------|------------|------------|------------|-----------|-----------|-----------|-----------|-----------|
| Type of Collection | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | (\$/item) |
| Books - Adult | 104,597 | 103,711 | 112,469 | 145,205 | 128,981 | 134,846 | 133,247 | 110,298 | 110,824 | 109,730 | 109,080 | 97,205 | 85,387 | 87,187 | 87,187 | \$50 |
| Books - Children | 88,792 | 88,040 | 95,475 | 114,871 | 109,492 | 114,470 | 113,113 | 110,676 | 104,045 | 94,725 | 90,167 | 78,731 | 66,730 | 66,791 | 66,791 | \$20 |
| Books - Teen | 5,530 | 5,483 | 5,946 | 7,154 | 6,819 | 7,130 | 7,045 | 7,943 | 8,193 | 7,894 | 7,925 | 7,815 | 7,462 | 6,585 | 6,585 | \$40 |
| Audiobooks - Inc Daisy, Book & CD Kits | 7,018 | 6,959 | 7,547 | 8,200 | 8,655 | 9,048 | 8,941 | 9,265 | 9,074 | 8,637 | 8,186 | 7,736 | 6,540 | 6,514 | 6,514 | \$60 |
| Music CDs | 5,020 | 4,977 | 5,397 | 5,628 | 6,189 | 6,471 | 6,394 | 6,352 | 4,160 | 3,889 | 3,785 | 3,470 | 2,696 | 2,641 | 2,641 | \$25 |
| DVDs/Blu-Rays | 23,495 | 23,296 | 25,263 | 26,782 | 28,972 | 30,289 | 29,930 | 34,563 | 36,123 | 33,499 | 34,450 | 30,831 | 27,305 | 25,776 | 25,776 | \$45 |
| Microforms | 475 | 471 | 511 | 542 | 586 | 612 | 605 | 461 | 468 | 478 | 481 | 486 | 484 | 487 | 487 | \$8 |
| Video Games | 71 | 70 | 76 | 80 | 87 | 91 | 90 | 176 | 212 | 277 | 320 | 1,335 | 1,200 | 1,768 | 1,768 | \$100 |
| Periodicals & Newspapers | 1,777 | 1,762 | 1,911 | 1,989 | 2,192 | 2,291 | 2,264 | 2,687 | 2,386 | 2,375 | 2,610 | 2,740 | 2,499 | 2,397 | 2,397 | \$9 |
| Other Miscellaneous Equipment | 172 | 171 | 186 | 195 | 213 | 223 | 220 | 1,213 | 1,086 | 1,113 | 1,189 | 96 | 93 | 221 | 221 | \$120 |
| eBooks (OverDrive + Hoopla) | 20,518 | 20,344 | 22,062 | 23,562 | 25,301 | 26,452 | 26,138 | 40,197 | 49,718 | 57,354 | 63,132 | 70,941 | 79,596 | - | - | \$2 |
| Cloudlibrary eBooks (licences) | - | - | - | - | - | - | - | - | - | - | - | - | - | 5,485 | 5,485 | \$26 |
| Hoopla (ebooks + egraphic) streaming | - | - | - | - | - | - | - | - | - | - | - | - | - | 23,134 | 23,134 | \$2 |
| Cantook eBooks | ÷ | = | - | - | - | - | - | - | - | - | - | - | - | 138 | 138 | \$11 |
| eAudiobooks (OverDrive + Hoopla) | 6,630 | 6,574 | 7,129 | 7,513 | 8,176 | 8,547 | 8,446 | 28,508 | 37,951 | 40,550 | 42,390 | 49,490 | 57,631 | - | - | \$2 |
| Cloudlibrary eAudio | - | - | - | - | - | - | - | - | - | - | - | - | - | 1,476 | 1,476 | \$75 |
| Hoopla eAudio streaming | - | - | - | - | - | - | - | - | - | - | - | - | - | 25,045 | 25,045 | \$2 |
| Cantook eAudio | - | - | - | - | - | - | - | - | - | - | - | - | - | 670 | 670 | \$2 |
| eMagazines (Zinio + PressReader) | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 28,047 | 30,022 | 41,471 | 44,369 | 53,176 | 63,514 | - | - | \$1 |
| Cloudlibrary NewsStand eMagazines | - | - | - | - | - | - | - | - | - | - | - | - | - | 6,660 | 6,660 | \$1 |
| PressReader eMagazines | ē | = | = | - | - | - | = | - | = | - | = | = | - | 14,574 | 14,574 | \$1 |
| Hoopla eVideo streaming | 254 | 252 | 273 | 303 | 314 | 328 | 324 | 6,508 | 9,345 | 10,330 | 9,513 | 11,319 | 13,424 | 11,963 | 11,963 | \$3 |
| Hoopla eMusic streaming | 147 | 146 | 159 | 165 | 182 | 190 | 188 | 2,395 | 4,406 | 5,833 | 7,007 | 8,924 | 11,300 | - | - | \$1 |
| Hoopla eMusic streaming | - | - | - | - | - | - | - | - | - | - | - | - | - | 2,003 | 2,003 | \$2 |
| eCourses (Lynda + Universal Class) | 24 | 24 | 26 | 28 | 30 | 31 | 31 | 42 | 560 | 6,382 | 8,048 | 10,812 | - | - | - | \$3 |
| eCourses (Lynda + Universal Class) | 8 | = | 3 | - | - | - | = | - | - | - | = | = | 3 | 3 | 3 | \$40,737 |
| Other eResources | 33 | 33 | 35 | 38 | 41 | 42 | 42 | 45 | 47 | 49 | 37 | 41 | 41 | 40 | 40 | \$3,268 |
| Total (#) | 264,556 | 262,316 | 284,468 | 342,259 | 326,234 | 341,065 | 337,022 | 389,376 | 408,620 | 424,586 | 432,689 | 435,148 | 425,905 | 291,558 | 291,558 | |
| Total (\$000) | \$9,042.3 | \$8,965.8 | \$9,720.4 | \$11,922.9 | \$11,150.3 | \$11,654.5 | \$11,517.9 | \$10,841.8 | \$10,793.6 | \$10,459.5 | \$10,348.4 | \$9,362.7 | \$8,394.2 | \$8,470.4 | \$8,470.4 | |



CITY OF BARRIE CALCULATION OF SERVICE LEVELS LIBRARY SERVICES

| | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 |
|-----------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| Historical Population | 131,431 | 132,957 | 134,501 | 136,063 | 137,121 | 138,187 | 139,261 | 140,343 | 141,434 | 142,690 | 143,958 | 145,237 | 146,527 | 147,829 | 152,641 |

INVENTORY SUMMARY (\$000)

| Buildings | \$39,100.0 | \$39,100.0 | \$39,100.0 | \$39,100.0 | \$51,854.1 | \$51,854.1 | \$51,854.1 | \$51,854.1 | \$51,854.1 | \$51,854.1 | \$51,854.1 | \$51,854.1 | \$51,854.1 | \$51,854.1 | \$55,679.1 |
|---------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| Land | \$873.6 | \$873.6 | \$873.6 | \$873.6 | \$6,552.7 | \$6,552.7 | \$6,552.7 | \$6,552.7 | \$6,552.7 | \$6,552.7 | \$6,552.7 | \$6,552.7 | \$6,552.7 | \$6,552.7 | \$7,427.7 |
| Materials | \$9,042.3 | \$8,965.8 | \$9,720.4 | \$11,922.9 | \$11,150.3 | \$11,654.5 | \$11,517.9 | \$10,841.8 | \$10,793.6 | \$10,459.5 | \$10,348.4 | \$9,362.7 | \$8,394.2 | \$8,470.4 | \$8,470.4 |
| Total (\$000) | \$49,016.0 | \$48,939.4 | \$49,694.0 | \$51,896.5 | \$69,557.1 | \$70,061.3 | \$69,924.8 | \$69,248.7 | \$69,200.5 | \$68,866.4 | \$68,755.3 | \$67,769.6 | \$66,801.1 | \$66,877.3 | \$71,577.3 |

SERVICE LEVEL (\$/capita)

Average Service Level

| Total (\$/capita) | \$372.94 | \$368.08 | \$369.47 | \$381.42 | \$507.27 | \$507.00 | \$502.11 | \$493.42 | \$489.28 | \$482.63 | \$477.61 | \$466.61 | \$455.90 | \$452.40 | \$468.93 | \$453.00 |
|-------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Materials | \$68.80 | \$67.43 | \$72.27 | \$87.63 | \$81.32 | \$84.34 | \$82.71 | \$77.25 | \$76.32 | \$73.30 | \$71.88 | \$64.46 | \$57.29 | \$57.30 | \$55.49 | \$71.85 |
| Land | \$6.65 | \$6.57 | \$6.50 | \$6.42 | \$47.79 | \$47.42 | \$47.05 | \$46.69 | \$46.33 | \$45.92 | \$45.52 | \$45.12 | \$44.72 | \$44.33 | \$48.66 | \$35.71 |
| Buildings | \$297.49 | \$294.08 | \$290.70 | \$287.37 | \$378.16 | \$375.25 | \$372.35 | \$369.48 | \$366.63 | \$363.40 | \$360.20 | \$357.03 | \$353.89 | \$350.77 | \$364.77 | \$345.44 |
| | | | | | | | | | | | | | | | | Lovei |

CITY OF BARRIE
CALCULATION OF MAXIMUM ALLOWABLE FUNDING ENVELOPE
LIBRARY SERVICES

| 15-Year Funding Envelope Calculation | |
|--|--------------|
| 15 Year Average Service Level 2008 - 202 | \$453.00 |
| Net Population Growth 2023 - 2032 | 54,830 |
| Maximum Allowable Funding Envelope | \$24.837.990 |



APPENDIX B.1 TABLE B.1-2

CITY OF BARRIE DEVELOPMENT-RELATED CAPITAL PROGRAM LIBRARY SERVICES

| | | | Gross | Grants/ | | Net | Ineligib | le Cos | ts | Total | | DC | Eligible Costs | | |
|-----------------|---|-------------|--------------|-----------------|----|------------|--------------|--------|------------|---------------|--------------|----|----------------|----|------------|
| Project Descr | ription | Timing | Project | Subsidies/Other | r | Municipal | Replacement | Re | placement | DC Eligible | Available | | 2023- | Po | ost-Period |
| | | | Cost | Recoveries | | Cost | & BTE Shares | & E | BTE Shares | Costs | DC Reserves | | 2032 | | Benefit* |
| 1.0 LIBRARY SER | VICES | | | | | | | | | | | | | | |
| 1.1 Buildin | gs | | | | | | | | | | | | | | |
| 1.1.1 | Provision for additional space (i.e. branch library - 5,000 sq.ft.) | 2023 - 2028 | \$ 4,250,0 | 0 \$ - | \$ | 4,250,000 | 0% | \$ | - | \$ 4,250,000 | \$ 3,169,263 | \$ | 1,080,737 | \$ | - |
| 1.1.2 | Hewitt's Branch (15,000 sq.ft.) | 2025 - 2026 | \$ 10,500,0 | 0 \$ - | \$ | 10,500,000 | 0% | \$ | - | \$ 10,500,000 | \$ - | \$ | 10,500,000 | \$ | - |
| 1.1.3 | Salem Branch (25,000 sq.ft.) | 2027 - 2031 | \$ 19,400,0 | 0 \$ - | \$ | 19,400,000 | 0% | \$ | - | \$ 19,400,000 | \$ - | \$ | 5,907,253 | \$ | 13,492,747 |
| 1.1.4 | Downtown Branch Reconfiguration | 2024 - 2024 | \$ 1,500,0 | 0 \$ - | \$ | 1,500,000 | 90% | \$ | 1,350,000 | \$ 150,000 | \$ - | \$ | 150,000 | \$ | - |
| | Subtotal Buildings | | \$ 35,650,00 | \$ - | \$ | 35,650,000 | | \$ | 1,350,000 | \$ 34,300,000 | \$ 3,169,263 | \$ | 17,637,990 | \$ | 13,492,747 |
| 1.2 Materia | als and Equipment | | | | | | | | | | | | | | |
| 1.2.1 | Additional Library Materials (Hewitt's) | 2023 - 2031 | \$ 2,500,00 |) \$ - | \$ | 2,500,000 | 0% | \$ | - | \$ 2,500,000 | \$ - | \$ | 2,500,000 | \$ | - |
| 1.2.2 | Additional Library Materials (Salem) | 2026 - 2028 | \$ 4,200,00 |) \$ - | \$ | 4,200,000 | 0% | \$ | - | \$ 4,200,000 | \$ - | \$ | 4,200,000 | \$ | - |
| 1.2.3 | Additional Library Materials (additional branch) | 2023 - 2028 | \$ 500,00 | 5 \$ - | \$ | 500,000 | 0% | \$ | - | \$ 500,000 | \$ - | \$ | 500,000 | \$ | - |
| | Subtotal Materials and Equipment | | \$ 7,200,00 | \$ - | \$ | 7,200,000 | | \$ | - | \$ 7,200,000 | \$ - | \$ | 7,200,000 | \$ | - |
| TOTAL LIBRA | RY SERVICES | | \$ 42,850,00 | - \$ | \$ | 42,850,000 | | \$ | 1,350,000 | \$ 41,500,000 | \$ 3,169,263 | \$ | 24,837,990 | \$ | 13,492,747 |

^{*}Development related costs to be considered for funding from other tools and/or future DC Studies.

| Residential Development Charge Calculation | | |
|---|------|--------------|
| Residential Share of 2023 - 2032 DC Eligible Costs | 100% | \$24,837,990 |
| 10-Year Growth in Population in New Units | | 57,051 |
| Unadjusted Development Charge Per Capita | | \$435.36 |
| Non-Residential Retail Development Charge Calculation | | |
| Non-Residential Share of 2023 - 2032 DC Eligible Costs | 0% | \$0 |
| 10-Year Growth in Square Metres | | 357,960 |
| Unadjusted Retail Development Charge Per Square Metre | | \$0.00 |
| Non-Residential Non-Retail Development Charge Calculation | | |
| Non-Residential Share of 2023 - 2032 DC Eligible Costs | 0% | \$0 |
| 10-Year Growth in Square Metres | | 1,004,870 |
| Unadjusted Non-Retail Development Charge Per Square Metre | | \$0.00 |

| 2023 - 2032 Net Funding Envelope | \$24,837,990 |
|--|--------------|
| Reserve Fund Balance as at December 31st, 2022 | \$3,169,263 |



APPENDIX B.1 TABLE 3

CITY OF BARRIE CASHFLOW AND DETERMINATION OF DEVELOPMENT CHARGE LIBRARY SERVICES RESIDENTIAL DEVELOPMENT CHARGE (in \$000)

| LIBRARY SERVICES | 2023 | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | 2030 | 2031 | 2032 | TOTAL |
|--|-----------|-----------|-----------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|------------|
| OPENING CASH BALANCE | \$3,169.3 | \$4,614.1 | \$6,047.6 | \$2,187.1 | (\$3,344.0) | (\$4,648.8) | (\$5,973.0) | (\$4,793.7) | (\$3,444.4) | (\$1,913.1) | |
| 2023 - 2032 RESIDENTIAL FUNDING REQUIREMENTS | | | | | | | | | | | |
| - Prior Growth (Funding from DC Reserve Balance) | \$528.2 | \$528.2 | \$528.2 | \$528.2 | \$528.2 | \$528.2 | \$0.0 | \$0.0 | \$0.0 | \$0.0 | \$3,169.3 |
| - Library Services: Non Inflated | \$541.2 | \$691.2 | \$5,791.2 | \$7,191.2 | \$3,122.7 | \$3,122.7 | \$1,459.2 | \$1,459.2 | \$1,459.2 | \$0.0 | \$24,838.0 |
| - Library Services: Inflated | \$1,069.4 | \$1,243.8 | \$6,574.8 | \$8,191.9 | \$3,951.8 | \$4,030.9 | \$1,643.3 | \$1,676.2 | \$1,709.7 | \$0.0 | \$30,091.9 |
| NEW RESIDENTIAL DEVELOPMENT | | | | | | | | | | | |
| - Population Growth in New Units | 5,338 | 5,483 | 5,629 | 5,778 | 5,927 | 6,075 | 6,223 | 6,367 | 6,509 | 3,722 | 57,051 |
| REVENUE | | | | | | | | | | | |
| - DC Receipts: Inflated | \$2,380.4 | \$2,494.0 | \$2,611.6 | \$2,734.3 | \$2,860.9 | \$2,991.0 | \$3,125.2 | \$3,261.4 | \$3,400.9 | \$1,983.6 | \$27,843.3 |
| INTEREST | | | | | | | | | | | |
| - Interest on Opening Balance | \$110.9 | \$161.5 | \$211.7 | \$76.5 | (\$183.9) | (\$255.7) | (\$328.5) | (\$263.7) | (\$189.4) | (\$105.2) | (\$765.8) |
| - Interest on In-year Transactions | \$22.9 | \$21.9 | (\$109.0) | (\$150.1) | (\$30.0) | (\$28.6) | \$25.9 | \$27.7 | \$29.6 | \$34.7 | (\$154.9) |
| TOTAL REVENUE | \$2,514.3 | \$2,677.3 | \$2,714.3 | \$2,660.8 | \$2,647.0 | \$2,706.7 | \$2,822.6 | \$3,025.5 | \$3,241.0 | \$1,913.1 | \$26,922.7 |
| CLOSING CASH BALANCE | \$4,614.1 | \$6,047.6 | \$2,187.1 | (\$3,344.0) | (\$4,648.8) | (\$5,973.0) | (\$4,793.7) | (\$3,444.4) | (\$1,913.1) | (\$0.0) | |

2023 Adjusted Charge Per Capita \$445.94

| Allocation of Capital Program | |
|------------------------------------|--------|
| Residential Sector | 100.0% |
| Non-Residential Sector | 0.0% |
| Rates for 2023 | |
| Inflation Rate | 2.0% |
| Interest Rate on Positive Balances | 3.5% |
| Interest Rate on Negative Balances | 5.5% |
| | |



Appendix B.2 Protection Services



Protection Services

Barrie Protection Services includes both Fire Services and Police Services. The Barrie Fire Department operates from five stations and an Emergency Services Campus (ESC) shared with Police and Ambulance (Paramedics). Fire has approximately a 6% share of the ESC. The Barrie Police Service operates from their two satellite offices, and the shared ESC, which they have approximately a 62% share of. The Fire Department and Police Service are responsible for traffic enforcement, community service, investigations, fire prevention inspections, public education sessions, communications (including dispatching), and fire suppression. The following discusses the individual components included in the Protection Services category. The analysis is set out in the tables which follow.

| Table B.2-1 | Historical Service Levels and Calculation of 15-Year Average Service Level |
|-------------|--|
| Table B.2-2 | 2023-2032 Development-Related Capital Forecast and Calculation of the Growth-Related Net Capital Costs |
| Table B.2-3 | Cash Flow Analysis |

A. 15-Year Historical Service Levels and Calculation of Maximum Allowable Funding Envelope

The Fire Services' current inventory of capital assets includes five stations and a share of the ESC. The combined area of the stations is 65,980 square feet.

A portion of the ESC is related to the Protection Services negative DC reserve fund balance included for recovery in the capital program. As such, a portion of the building GFA has been removed from the historical inventory calculated. This share has been calculated by dividing the value of the negative reserve fund balance related to Fire Services (\$314,868) by the



dollar per square foot assumption of the facility (\$820 per square foot) to yield an adjustment of approximately 384 square feet of excess capacity.

The net values of the stations used in the service level calculations is \$53.79 million. The land area associated with the buildings is roughly 1.66 hectares and is valued at \$5.81 million. The total value of furniture and equipment is \$3.50 million. Finally, the 44 vehicles and related equipment associated with the stations have a replacement value of \$27.64 million.

The Police Services' current inventory of capital assets includes two satellite stations and a share of the ESC. The combined area of the stations is 37,770 square feet. Approximately 3,570 square feet is removed from the inventory for the ESC as excess capacity relating to the Police Services share of the negative reserve fund balance included for recovery in the capital program (\$3.40 million), reducing the combined area in the service level calculations to 34,190 square feet.

The net values of the stations used in the service level calculations is \$17.23 million. The land area associated with the buildings is roughly 6.11 hectares and is valued at \$21.39 million. The total value of furniture and equipment is \$8.29 million. Finally, the 114 vehicles associated with the stations have a replacement value of \$8.40 million. The combined replacement value of the Fire and Police Services capital infrastructure is \$146.05 million.

The historical service level multiplied by the 10-year forecast of net population and employment growth results in a 10-year maximum allowable funding envelope of \$58.60 million (73,289 net population and employment growth X historical service level of \$799.54/capita). Table 1 provides a summary of the level of service and the calculation of the 10-year funding envelope from 2023 to 2032. The calculation of the maximum allowable funding envelope is summarized as follows:



10-Year Funding Envelope Calculation

| 15-Year Average Service Level (2008 – 2022) | \$799.54 |
|---|--------------|
| Net Pop. Growth (2023 – 2032) | 73,289 |
| Maximum Allowable Funding Envelope | \$58,597,487 |

B. Development-Related Capital Program

The first project in the Protection Services capital program is for the recovery of the negative reserve fund balance which amounts to \$3.71 million and is included in the total DC eligible costs.

The Fire Services capital program includes a new BFES Station 6 that will be constructed in 2023, a Secondary Plan Area Municipal Campus Site, and a Provision for a New Station, totaling \$16.18 million. Fire is also acquiring two new vehicles during the planning period, for a total of \$3.00 million. Of this amount, approximately \$466,700 is removed from the DC eligible costs as the Technical Rescue Truck is replacing an existing vehicle, but the size and type of vehicle has been upgraded thus increasing servicing capacity. Finally, \$645,500 of equipment is included in the program for new firefighters, fire prevention officers, public education officer, and associated outfitting.

The Police Services capital program includes new police vehicles and cruisers for \$1.77 million. Vehicle equipment and other officer and miscellaneous equipment are also included for \$5.37 million.

The ESC is expected to begin Phase 2 in 2027 for \$41.00 million, which will be shared between both services. Approximately \$23.75 million has been removed from the in-period costs as a benefit to existing share to replace the existing facility at 79 Bell Farm Road.



The entirety of the \$47.45 million 2023–2032 DC costs for Protection Services are eligible for in-period recovery and is brought forward to the DC rate calculation.

The costs are allocated 75.6%, or \$35.85 million, against residential development, 9.5%, or \$4.50 million, against non-residential retail development, and 15.0%, or \$7.10 million, against non-residential non-retail development. The allocation between residential and non-residential development is based on shares of forecasted growth. The resulting unadjusted development charge is \$628.45 per capita for residential, \$12.57 per square metre for retail, and \$7.07 per square metre for non-retail.

C. Cash Flow Analysis

The current balance in the Protection Services development charge reserve fund is in a deficit, thus the negative balance of \$3.71 million included in the cash-flow calculations.

After cash flow consideration, the residential charge increases to \$696.94 per capita, the non-residential retail charge increases to \$14.21 per square metre, and the non-residential non-retail charges increases to \$7.99 per square metre. The increase reflects the timing of capital expenditures and development charge revenues.

The following table summarizes the calculation of the Protection Services development charge:

| | | | PROTE | CTION SERVICES S | UMMARY | | | | | | |
|---------------|----------------|------------------------|-----------|------------------|-------------------|--------------------|----------------|---------------------|--|--|--|
| 15-year Hist. | 202 | 23 - 2032 | | Unadjusted | | | Adjusted | | | | |
| Service Level | Development-Re | elated Capital Program | | Development Cha | irge | Development Charge | | | | | |
| per pop & emp | Total | Net DC Recoverable | \$/capita | Retail \$/sq.m | Non-Retail\$/sq.m | \$/capita | Retail \$/sq.m | Non- Retail \$/sq.m | | | |
| \$799.54 | \$71,675,323 | \$47,454,402 | \$628.45 | \$12.57 | \$7.07 | \$696.94 | \$14.21 | \$7.99 | | | |
| | | | | | | | | | | | |



| BUILDINGS | | | | | | | # | of Square F | eet | | | | | | | UNIT COST |
|--|------------|------------|------------|------------|------------|------------|------------|-------------|------------|------------|------------|------------|------------|------------|------------|--------------|
| Station Name | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | (\$/sq. ft.) |
| Station #1 | 24,003 | 24,003 | 24,003 | - | - | - | - | - | - | = | - | - | - | - | - | \$500 |
| Station #2 | 5,995 | 5,995 | 5,995 | 5,995 | 5,995 | 5,995 | 5,995 | 5,995 | 5,995 | 5,995 | 5,995 | 5,995 | 5,995 | 5,995 | 5,995 | \$820 |
| Station #3 | 6,997 | 6,997 | 6,997 | 6,997 | 6,997 | 6,997 | 6,997 | 6,997 | 6,997 | 6,997 | 6,997 | 6,997 | 6,997 | 6,997 | 6,997 | \$820 |
| Station #4 | 6,501 | 6,501 | 6,501 | 6,501 | 6,501 | 6,501 | 6,501 | 6,501 | 6,501 | 6,501 | 6,501 | 6,501 | 6,501 | 6,501 | 6,501 | \$820 |
| New Fire Station #1 | - | - | | 38,998 | 38,998 | 38,998 | 38,998 | 38,998 | 38,998 | 38,998 | 38,998 | 38,998 | 38,998 | 38,998 | 38,998 | \$820 |
| Fire Station #5 (Lease) | - | - | - | - | - | 6,448 | 6,448 | 6,448 | 6,448 | 6,448 | 6,448 | 6,448 | 6,448 | 6,448 | 6,448 | \$820 |
| Emergency Services Campus (110 Fairview)* | - | - | | =. | - | - | - | - | - | =. | - | - | 1,045 | 1,045 | 1,045 | \$820 |
| Emergency Services Campus (110 Fairview)*Excess Ca | =. | = | - | - | - | | | - | - | - | - | - | (384) | (384) | (384) | \$820 |
| Total (sq.ft.) | 43,497 | 43,497 | 43,497 | 58,491 | 58,491 | 64,939 | 64,939 | 64,939 | 64,939 | 64,939 | 64,939 | 64,939 | 65,600 | 65,600 | 65,600 | |
| Total (\$000) | \$27,986.4 | \$27,986.4 | \$27,986.4 | \$47,962.6 | \$47,962.6 | \$53,249.7 | \$53,249.7 | \$53,249.7 | \$53,249.7 | \$53.249.7 | \$53,249.7 | \$53,249.7 | \$53,791.7 | \$53,791.7 | \$53,791.7 | 1 |

^{*}Shared facility between Fire, Police and Paramedics. Fire Service = 5.6%

| LAND | | | | | | | | # of Hectare | s | | | | | | | UNIT COST |
|---|-----------|-----------|-----------|-----------|-----------|-----------|-----------|--------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-------------|
| Station Name | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | (\$/ha) |
| Station #1 | 0.31 | 0.31 | 0.31 | - | - | - | - | - | - | = | - | - | - | - | - | \$3,500,000 |
| Station #2 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | \$3,500,000 |
| Station #3 | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 | \$3,500,000 |
| Station #4 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | \$3,500,000 |
| New Fire Station #1 | - | - | - | 0.31 | 0.31 | 0.31 | 0.31 | 0.31 | 0.31 | 0.31 | 0.31 | 0.31 | 0.31 | 0.31 | 0.31 | \$3,500,000 |
| Fire Station #5 (Lease) | - | - | - | - | - | 0.64 | 0.64 | 0.64 | 0.64 | 0.64 | 0.64 | 0.64 | 0.64 | 0.64 | 0.64 | \$3,500,000 |
| Emergency Services Campus (110 Fairview)* | - | - | - | - | - | - | - | - | - | = | - | - | 0.53 | 0.53 | 0.53 | \$3,500,000 |
| | | | | | | | | | | | | | | | | |
| Total (ha) | 0.49 | 0.49 | 0.49 | 0.49 | 0.49 | 1.13 | 1.13 | 1.13 | 1.13 | 1.13 | 1.13 | 1.13 | 1.66 | 1.66 | 1.66 | |
| Total (\$000) | \$1,708.6 | \$1,708.6 | \$1,708.6 | \$1,708.6 | \$1,708.6 | \$3,960.0 | \$3,960.0 | \$3,960.0 | \$3,960.0 | \$3,960.0 | \$3,960.0 | \$3,960.0 | \$5,815.0 | \$5,815.0 | \$5,815.0 | |

^{*}Shared facility between Fire, Police and Paramedics. Fire Service = 5.6%



| VEHICLES | | | | | | | | # of Vehicle | s | | | | | | | UNIT COST |
|---------------------------------------|------------|------------|------------|------------|------------|------------|------------|--------------|------------|------------|------------|------------|------------|------------|------------|--------------|
| Vehicle Type | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | (\$/vehicle) |
| Light Duty Vehicles | 13 | 15 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 17 | 21 | 17 | 17 | 17 | 17 | \$70,600 |
| 50' Ladder Truck | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | \$1,614,500 |
| 75' Ladder Truck | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | - | - | - | - | =. | \$1,618,600 |
| 65' Ladder Truck | - | = | - | - | - | - | - | - | - | - | 1 | 1 | 1 | 1 | 1 | \$1,480,000 |
| Pumper/Rescue | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 8 | 8 | 8 | 8 | \$1,001,500 |
| Pumper Truck 4WD (mini) | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | \$1,001,500 |
| Tanker Truck | - | - | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | \$538,200 |
| Rescue Truck | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 7 | \$1,001,500 |
| Command Centre | 1 | 1 | 1 | 1 | 1 | 1 | - | - | - | - | = | - | - | - | - | \$1,087,100 |
| Heavy Rescue | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | = | - | - | - | = | \$2,018,200 |
| Air Boat | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | - | - | - | - | \$298,700 |
| 100' Aerial/Platform | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | \$2,556,300 |
| Command Truck/ Platoon Chiefs 03-3001 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | - | = | - | - | - | = | \$201,800 |
| Haz Mat Truck | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | \$1,164,000 |
| Haz Mat Trailer | - | - | - | | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | \$144,000 |
| Utility Trailers | - | - | - | - | - | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | \$7,300 |
| Trench Trailer | - | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | \$145,300 |
| Hovercraft | - | - | - | - | - | - | - | - | - | - | 1 | 1 | 1 | 1 | 1 | \$201,800 |
| Total (#) | 31 | 36 | 38 | 38 | 39 | 41 | 40 | 40 | 40 | 40 | 42 | 38 | 38 | 38 | 44 | |
| Total (\$000) | \$21,492.0 | \$25,336.3 | \$25,945.1 | \$25,945.1 | \$26,089.1 | \$26,103.7 | \$25,016.6 | \$25,016.6 | \$25,016.6 | \$24,885.4 | \$21,912.6 | \$21,630.2 | \$21,630.2 | \$21,630.2 | \$27,639.2 | |



| EQUIPMENT | | | | | | | # | of Equipme | nt | | | | | | | UNIT COST |
|---|-----------|-----------|-----------|-----------|-----------|-----------|-----------|------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| Description | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | (\$/unit) |
| Personal Equipment | | | | | | | | | | | | | | | | |
| Fire Fighter Equipment | 114 | 124 | 124 | 124 | 144 | 144 | 144 | 144 | 144 | 144 | 144 | 144 | 144 | 144 | 144 | \$12,600 |
| Training Personnel | 2 | 2 | 2 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 4 | 4 | \$12,600 |
| Fire Prevention Personnel | 7 | 7 | 7 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | \$4,000 |
| Chief Officers | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | \$8,000 |
| Civilian (uniforms) | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | \$800 |
| Communiciations/Operators | 10 | 10 | 13 | 13 | 13 | 13 | 15 | 15 | 14 | 14 | 14 | 14 | 14 | 16 | 21 | \$2,000 |
| Shared Equipment | | | | | | | | | | | | | | | | |
| Radio Towers (Shared with other services) | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | \$754,800 |
| | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | |
| Total (#) | 142 | 152 | 155 | 159 | 179 | 179 | 183 | 183 | 182 | 182 | 182 | 182 | 182 | 184 | 190 | |
| Total (\$000) | \$3,046.4 | \$3,172.4 | \$3,178.4 | \$3,220.2 | \$3,472.2 | \$3,472.2 | \$3,485.0 | \$3,485.0 | \$3,483.0 | \$3,483.0 | \$3,483.0 | \$3,483.0 | \$3,483.0 | \$3,478.4 | \$3,496.4 | 1 |



| BUILDINGS | | | | | | | # | of Square Fe | eet | | | | | | | UNIT COST |
|---|------------|------------|------------|------------|------------|------------|------------|--------------|------------|------------|------------|------------|------------|------------|------------|--------------|
| Station Name | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | (\$/sq. ft.) |
| Barrie Police Headquarters (29 Sperling) | 50,000 | 50,000 | 50,000 | 50,000 | 50,000 | 50,000 | 50,000 | 50,000 | 50,000 | 50,000 | 50,000 | 50,000 | - | - | - | \$950 |
| Satellite Office - Downtown (Leased) | 1,496 | 1,496 | 1,496 | 1,496 | 1,496 | 1,496 | 1,496 | 1,496 | 1,496 | 1,496 | 1,496 | 1,496 | 1,496 | 1,496 | 1,496 | \$780 |
| Satellite Office - 60 Bell Farm Road (Leased) | 33,002 | 33,002 | 33,002 | 33,002 | 33,002 | 33,002 | 33,002 | 33,002 | 33,002 | 33,002 | 33,002 | 33,002 | - | - | - | \$350 |
| Satellite Office - 79 Bell Farm Road | - | 25,005 | 25,005 | 25,005 | 25,005 | 25,005 | 25,005 | 25,005 | 25,005 | 25,005 | 25,005 | 25,005 | 25,005 | 25,005 | 25,005 | \$350 |
| Emergency Services Campus (110 Fairview)* | - | - | - | - | - | - | - | - | - | - | - | - | 11,267 | 11,267 | 11,267 | \$950 |
| Emergency Services Campus (110 Fairview)* Excess Capaci | - | - | - | - | - | - | - | - | - | - | - | - | (3,574) | (3,574) | (3,574) | \$950 |
| | | | | | | | | | | | | | | | | |
| Total (sq.ft.) | 84,498 | 109,503 | 109,503 | 109,503 | 109,503 | 109,503 | 109,503 | 109,503 | 109,503 | 109,503 | 109,503 | 109,503 | 34,194 | 34,194 | 34,194 | |
| Total (\$000) | \$60.217.8 | \$68,969,4 | \$68,969,4 | \$68,969,4 | \$68,969,4 | \$68,969,4 | \$68,969,4 | \$68,969,4 | \$68,969,4 | \$68,969,4 | \$68,969,4 | \$68,969,4 | \$17,227.0 | \$17.227.0 | \$17.227.0 | |

^{*}Shared facility between Fire, Police and Paramedics. Police Service = 62.06%

| LAND | | | | | | | i | # of Hectare: | 3 | | | | | | | UNIT COST |
|---|-----------|-----------|-----------|-----------|-----------|-----------|-----------|---------------|-----------|-----------|-----------|-----------|------------|------------|------------|-------------|
| Station Name | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | (\$/ha) |
| Barrie Police Headquarters (29 Sperling) | 0.27 | 0.27 | 0.27 | 0.27 | 0.27 | 0.27 | 0.27 | 0.27 | 0.27 | 0.27 | 0.27 | 0.27 | - | - | - | \$3,500,000 |
| Satellite Office - Downtown (Leased) | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | \$3,500,000 |
| Satellite Office - 60 Bell Farm Road (Leased) | 2.03 | 2.03 | 2.03 | 2.03 | 2.03 | 2.03 | 2.03 | 2.03 | 2.03 | 2.03 | 2.03 | 2.03 | - | - | - | \$3,500,000 |
| Satellite Office - 79 Bell Farm Road | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | 0.21 | \$3,500,000 |
| Emergency Services Campus (110 Fairview)* | - | - | - | - | - | - | - | = | = | - | - | - | 5.70 | 5.70 | 5.70 | \$3,500,000 |
| | | | | | | | | | | | | | | | | |
| Total (ha) | 2.71 | 2.71 | 2.71 | 2.71 | 2.71 | 2.71 | 2.71 | 2.71 | 2.71 | 2.71 | 2.71 | 2.71 | 6.11 | 6.11 | 6.11 | |
| Total (\$000) | \$9,491.7 | \$9,491.7 | \$9,491.7 | \$9,491.7 | \$9,491.7 | \$9,491.7 | \$9,491.7 | \$9,491.7 | \$9,491.7 | \$9,491.7 | \$9,491.7 | \$9,491.7 | \$21,392.3 | \$21,392.3 | \$21,392.3 | |

^{*}Shared facility between Fire, Police and Paramedics. Police Service = 62.06%



| EQUIPMENT | | | # of Units | | | | | | | | | | | | | |
|--|-------|--------|------------|------|------|------|------|------|------|------|--------|------|------|------|------|-----------|
| Description | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | (\$/unit) |
| Equipped Officers & Special Constables | | | | | | | | | | | | | | | | |
| Police Outfitting Equipment | 207 | 218 | 228 | 236 | 241 | 241 | 241 | 237 | 237 | 237 | 239 | 245 | 254 | 241 | 248 | \$5,700 |
| Special Constables Equipment | 21 | 22 | 22 | 22 | | | 22 | 20 | 20 | 23 | 21 | 24 | 24 | 21 | 23 | \$3,100 |
| Part Time Special Constables and Auxiliary Equipment | 12 | 13 | 12 | 16 | | 35 | 40 | 38 | 47 | 44 | 47 | 31 | 23 | 20 | 22 | \$2,600 |
| Conducted Energy Weapons (Tasers) | 48 | 51 | 54 | 66 | 70 | | 123 | 132 | 129 | 143 | 157 | 157 | 157 | 157 | 157 | \$2,400 |
| Rifles | 52 | 55 | 65 | 65 | 65 | 65 | 65 | 65 | 65 | 69 | 72 | 72 | 72 | 72 | 72 | \$2,400 |
| Portable Radios | 44 | 46 | 60 | 69 | 76 | | 102 | 115 | 124 | 130 | 135 | 135 | 135 | 135 | 135 | \$10,100 |
| Vehicle Equipment | - ' ' | 10 | 00 | - 03 | 7.0 | 32 | 102 | 113 | 121 | 100 | 100 | 100 | 100 | 100 | 100 | Ψ10,100 |
| Mobile Police Stations (Mobile Data Terminal) | 37 | 39 | 40 | 41 | 46 | 50 | 57 | 58 | 58 | 59 | 60 | 60 | 60 | 60 | 60 | \$8,600 |
| Information System & Equipment | 51 | 55 | 40 | 71 | 40 | 30 | 51 | 30 | 30 | 55 | 00 | 00 | 00 | 00 | 00 | ψ0,000 |
| Voicelogger | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | \$28,900 |
| Storage Area Network | 0 | 0 | 0 | 0 | 0 | | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | \$178,800 |
| Investigative Equipment | U | U | U | U | U | U | U | U | U | 1 | 1 | 1 | 1 | 1 | 1 | \$170,000 |
| | 8 | 8 | 8 | 8 | 8 | 0 | 0 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 0 | \$300 |
| Binoculars | 8 | δ 1 | 8 | 8 | 8 | | δ | 8 | 1 | 8 | δ 1 | 8 | 1 | 1 | δ 1 | |
| Monocular | _ | 1 | 1 | 1 | _ | _ | 1 | 1 | | 1 | 1 | 1 | | | 1 | \$2,800 |
| Spotting Scope | 1 | 1 | 1 | 1 | 1 | - | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | \$800 |
| Camera/Video Equipment | 5 | 5 | 5 | | | | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | \$1,700 |
| Machinery & Equipment | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | \$300 |
| Radio Equipment | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | \$900 |
| Specialty Equipment | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | \$8,100 |
| Garage Equipment | | | | | | | | | | | | | | | | |
| 2 post Hoist | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | \$14,400 |
| 4 post Hoist | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | \$19,000 |
| Brake Lathe | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | \$12,500 |
| Transmission flush machine | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | \$12,600 |
| Ident Equipment | | | | | | | | | | | | | | | | |
| Alternative Light Source | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | \$31,500 |
| Avid System | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | \$68,800 |
| Biohazard Equipment - Cynaosafe | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | \$23,300 |
| Biohazard Equipment - Fume Hood & Chemical Storage | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | \$47,600 |
| Biohazard Equipment - Hazard Cabinet | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | \$27,900 |
| Biohazard Equipment - Hazard Cabinet (double) | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | \$33,100 |
| SLR Digital Camera | 1 | 1 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | \$4,800 |
| Downdraft Dusting Station | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | \$6,600 |
| ID Card Printer | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | \$7,100 |
| ID Card System | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | \$13,100 |
| Portable Alternate Light Source | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | \$12,400 |
| X-Ray System | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | \$67,400 |
| Traffic Equipment | | - | _ | | | - | - | - | | | - | _ | | _ | | φσιγισσ |
| Camera/Video Recorder | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | \$1,200 |
| Camera/Video Recorder Camera/Video Lenses | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | \$4,300 |
| Breath Alcohol Testers | 9 | 10 | 10 | | 10 | | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | \$2,000 |
| Intoxilyzers | 1 | 10 | 2 | 2 | | | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | \$12,200 |
| Speed Measuring Devices | 10 | 11 | 12 | | | | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | \$3,500 |
| Total Stations | 10 | 11 | 12 | 2 | 2 | | 17 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 21 | \$3,500 |
| License Plate Reader | 0 | 0 | 0 | | | | 1 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | \$25,000 |
| | | 0 | | | | | 1 | 4 | 4 | 4 | 1 4 | 1 | 4 | 4 | 1 | |
| Commercial Motor Vehicle Weigh Scales | 0 | | 0 | | 0 | | 4 | 4 | | 2 | ' | 2 | 2 | 2 | 4 | \$10,400 |
| Weigh Pads | 0 | 0 | 0 | 0 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | \$2,800 |



| Description | EQUIPMENT | | | | | | | | # of Units | | | | | | | | UNIT COST |
|--|---|-----------|-----------|-----------|-----------|-----------|-----------|-----------|------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|------------------|
| Cambre Appropriate | | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 3 |
| Common Normal | | | | | | | | | | | | | | | | | .,,,,, |
| Secondary | | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | \$11.300 |
| Bloom | | _ | | _ | | _ | _ | | _ | | | | | | | | ¥==,=== |
| Fregerian Reader 0 0 0 0 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 | • • | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | \$1,200 |
| Dough Powershing Station | | 0 | 0 | 0 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | |
| Training Structure Cannot Africa Structure Cannot Africa Structur | <u> </u> | 0 | 0 | 0 | 0 | | | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | |
| Specialized Equipment | | | 0 | | | 1 | 1 | 1 | 1 | | 1 | 1 | 1 | 1 | 1 | 1 | |
| Carriers/Video Equipment 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 | _ | | | _ | | _ | _ | _ | _ | | _ | | | | | | ¥, |
| Other Command-Value Equipment | | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | \$2,000 |
| Audio Capipment 0 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | |
| Specialized Visual Equipment | | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | |
| Obtail Equipment 11 12 12 12 12 12 12 1 | | | 1 | 1 | 1 | _ | | 2 | 2 | | - | 3 | 3 | 3 | 3 | 3 | |
| Secolatical Option Description Descrip | | | 12 | | | | | 12 | | | | | | | | 12 | |
| Portable Imaging System | | | | | | | | 2 | | | | | | | | 2 | |
| Redic Equipment | | | | Ü | | | | 1 | | | | | | | | 1 | |
| Seculated Communication Equipmen | | | 1 | | | _ | - | 28 | _ | | - | | - | | | 28 | |
| Command Vehicle Recorder | | | | | | | | | | | | | 1 | | | 1 | * · · · · |
| GPS Robot Ro | | | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | 1 | 1 | 1 | | 1 | 1 | |
| Robor | | | 26 | 26 | 26 | 26 | 26 | 26 | 26 | | 26 | 35 | 35 | - | 35 | 35 | |
| ICOR Robot | | | | | | | | | | | | | | | | 33 | Ψ000 |
| Robot Accessories | | | ū | | | | | _ | Ü | | | 1 | 1 | | | 1 | . , |
| Defensive Equipment | | | 1 | 0 | 1 | | 1 | 1 | 1 | | | 1 | 1 | 1 | 1 | 1 | |
| Other Defensive Equipment | | | 20 | 1 | 1 | _ | 1 | 1 | 1 | _ | - | 1 | 20 | 30 | 30 | 30 | |
| Specialized Defensive Equipment | | | | | | | | 30 | | | | | 30 | | | 30 | |
| Bomb Suit | * * | | 3 | Ü | | | | 3 | · | | | | 3 | | | 2 | |
| Entry Equipment | | | 1 | | | | 3 | 3 | 3 | | 3 | 3 | 3 | 3 | 3 | 3 | |
| Other Entry Equipment 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 | | | | | 1 | _ | 1 | 1 | 1 | | 1 | 1 | 1 | 1 | 1 | 1 | |
| Specialized Entry Equipment | | | | | 2 | | | 2 | 2 | | | 2 | 2 | | | | |
| Fireams | | | | _ | | | | 5 | | | - | 5 | 5 | | | 5 | |
| Other Firearms | | | | | | _ | _ | 1 | | | | 1 | | | | 10 | |
| Other Specialized Firearms 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 | | | | | | | | | | | | | | | | 12 | + 1,1 |
| Specialized Firearms 1 | | | | _ | | | | 5 | | | - | 5 | - | | | 5 | |
| Other Weapons 2 < | , | | · | | 5 | | | 5 | 5 | ŭ | _ | 5 | 5 | | | 5 | |
| Firearms Accessories | | - | 1 | 1 | 1 | _ | | 1 | 1 | | - | 1 | 1 | | _ | 1 | |
| Other Firearms Accessories 2 </td <td>· · · · · · · · · · · · · · · · · · ·</td> <td></td> <td>2</td> <td></td> <td>2</td> <td></td> <td></td> <td>2</td> <td>-</td> <td></td> <td></td> <td>2</td> <td>2</td> <td></td> <td></td> <td>2</td> <td></td> | · · · · · · · · · · · · · · · · · · · | | 2 | | 2 | | | 2 | - | | | 2 | 2 | | | 2 | |
| Specialized Firearms Equipment 2 2 2 2 2 2 2 2 2 | | | 1 | | 1 | | | 1 | 1 | | | 1 | 1 | | | 1 | |
| Other Specialized Firearms Accessories 7 7 7 9 10 10 10 10 10 10 10 10 10 10 10 10 10 | | | | _ | | | | 2 | 2 | | | | 2 | | | 2 | |
| Firearms Equipment | | | 2 | _ | | | | 2 | _ | | | _ | _ | | | 2 | |
| Specialized Firearm Equipment | | ' | 7 | 9 | 10 | | | 10 | | | 10 | 10 | 10 | | 10 | 10 | T-, |
| Large Equipment 4 | * * | | 1 | 1 | 1 | | 1 | 1 | 1 | | 1 | 1 | 1 | 1 | 1 | 1 | |
| Other Large Equipment 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 | | | 1 | 1 | 1 | _ | 1 | 1 | 1 | | 1 | 1 | 1 | 1 | 1 | 1 | |
| Specialized Equipment 0 0 1 1 1 1 1 1 1 1 | | | | 1 | 4 | | 7 | 4 | 4 | | ' | 4 | 4 | 7 | 7 | 4 | |
| Specialized Large Equipment 2< | | | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | |
| Specialized Storage Equipment 3 | | | ū | | 1 | _ | 1 | 1 | 1 | | | 1 | 1 | | 1 | 1 | |
| Unmanned Aerial Vehicle | | | | | | _ | 2 | 2 | 2 | | | | 2 | | | 2 | |
| Other Radio Towers (shared with other services) 2 </td <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>3</td> <td>3</td> <td></td> <td>3</td> <td>3</td> <td>3</td> <td>3</td> <td>3</td> <td>3</td> <td></td> | | | | | | | | 3 | 3 | | 3 | 3 | 3 | 3 | 3 | 3 | |
| Radio Towers (shared with other services) 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | \$230,200 |
| Total (#) 641 675 727 769 810 866 928 946 962 989 1,023 1,016 1,017 998 1,009 | | | | | | | | | | | | | <u> </u> | | | | |
| | Radio Towers (shared with other services) | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | \$ 754,800 |
| Total (\$000) \$4,930.8 \$5,112.6 \$5,459.7 \$5,876.6 \$6,167.4 \$6,451.7 \$7,360.7 \$7,735.6 \$7,850.2 \$8,189.5 \$8,300.3 \$8,302.2 \$8,332.7 \$8,241.5 \$8,292.8 | Total (#) | 641 | 675 | 727 | 769 | 810 | 866 | 928 | 946 | 962 | 989 | 1,023 | 1,016 | 1,017 | 998 | 1,009 | |
| | Total (\$000) | \$4,930.8 | \$5,112.6 | \$5,459.7 | \$5,876.6 | \$6,167.4 | \$6,451.7 | \$7,360.7 | \$7,735.6 | \$7,850.2 | \$8,189.5 | \$8,300.3 | \$8,302.2 | \$8,332.7 | \$8,241.5 | \$8,292.8 | 1 |



APPENDIX B.2 TABLE B.2-1

| VEHICLES | | | | | | | | # of Vehicles | ; | | | | | | | UNIT COST |
|-----------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|---------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|--------------|
| Vehicle Type | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | (\$/vehicle) |
| Police Front Line and Traffic | 54 | 56 | 45 | 42 | 43 | 44 | 50 | 46 | 49 | 51 | 52 | 52 | 52 | 52 | 52 | \$72,700 |
| Police Investigative and Unmarked | 21 | 22 | 22 | 20 | 16 | 17 | 14 | 15 | 17 | 18 | 17 | 17 | 17 | 17 | 17 | \$49,000 |
| Police Canine Vehicle | 4 | 4 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 3 | 4 | 4 | 4 | 4 | 4 | \$84,100 |
| Police Other Vehicles | 28 | 29 | 33 | 36 | 32 | 32 | 31 | 31 | 28 | 28 | 27 | 27 | 27 | 27 | 27 | \$54,000 |
| Police Prisoner Transport Van | 2 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | \$92,600 |
| Police Tactical and Training | 4 | 4 | 6 | 7 | 7 | 8 | 10 | 11 | 11 | 10 | 9 | 9 | 9 | 9 | 9 | \$76,800 |
| Police Boat | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | \$152,000 |
| Police Zodiac | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | \$66,500 |
| Police Command Post | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | \$970,100 |
| Police Trailer | - | = | - | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | \$12,800 |
| Total (#) | 116 | 120 | 113 | 113 | 106 | 109 | 113 | 112 | 114 | 115 | 114 | 114 | 114 | 114 | 114 | |
| Total (#7) Total (\$000) | \$8,431.5 | \$8,732.6 | \$8,125.8 | \$8,061.3 | \$7,722.0 | \$7,920.5 | \$8,309.3 | \$8,228.4 | \$8,382.5 | \$8,416.0 | \$8,393.0 | \$8,393.0 | \$8,393.0 | \$8,393.0 | \$8,393.0 | |



CITY OF BARRIE CALCULATION OF SERVICE LEVELS PROTECTION SERVICES

| | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 |
|------------------------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| Historical Population | 131,431 | 132,957 | 134,501 | 136,063 | 137,121 | 138,187 | 139,261 | 140,343 | 141,434 | 142,690 | 143,958 | 145,237 | 146,527 | 147,829 | 152,641 |
| Historical Employment | 61,563 | 62,217 | 62,892 | 63,590 | 64,392 | 65,205 | 66,030 | 66,866 | 67,715 | 69,210 | 70,730 | 72,730 | 53,890 | 57,330 | 65,310 |
| Historical Population & Employment | 192,994 | 195,174 | 197,393 | 199,653 | 201,513 | 203,392 | 205,291 | 207,209 | 209,149 | 211,900 | 214,688 | 217,967 | 200,417 | 205,159 | 217,951 |

INVENTORY SUMMARY (\$000)

| Fire Services | | | | | | | | | | | | | | | |
|-----------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| Buildings | \$27,986 | \$27,986 | \$27,986 | \$47,963 | \$47,963 | \$53,250 | \$53,250 | \$53,250 | \$53,250 | \$53,250 | \$53,250 | \$53,250 | \$53,792 | \$53,792 | \$53,792 |
| Land | \$1,709 | \$1,709 | \$1,709 | \$1,709 | \$1,709 | \$3,960 | \$3,960 | \$3,960 | \$3,960 | \$3,960 | \$3,960 | \$3,960 | \$5,815 | \$5,815 | \$5,815 |
| Vehicles | \$21,492 | \$25,336 | \$25,945 | \$25,945 | \$26,089 | \$26,104 | \$25,017 | \$25,017 | \$25,017 | \$24,885 | \$21,913 | \$21,630 | \$21,630 | \$21,630 | \$27,639 |
| Equipment | \$3,046 | \$3,172 | \$3,178 | \$3,220 | \$3,472 | \$3,472 | \$3,485 | \$3,485 | \$3,483 | \$3,483 | \$3,483 | \$3,483 | \$3,483 | \$3,478 | \$3,496 |
| Police Services | | | | | | | | | | | | | | | |
| Buildings | \$60,218 | \$68,969 | \$68,969 | \$68,969 | \$68,969 | \$68,969 | \$68,969 | \$68,969 | \$68,969 | \$68,969 | \$68,969 | \$68,969 | \$17,227 | \$17,227 | \$17,227 |
| Land | \$9,492 | \$9,492 | \$9,492 | \$9,492 | \$9,492 | \$9,492 | \$9,492 | \$9,492 | \$9,492 | \$9,492 | \$9,492 | \$9,492 | \$21,392 | \$21,392 | \$21,392 |
| Equipment | \$4,931 | \$5,113 | \$5,460 | \$5,877 | \$6,167 | \$6,452 | \$7,361 | \$7,736 | \$7,850 | \$8,190 | \$8,300 | \$8,302 | \$8,333 | \$8,242 | \$8,293 |
| Vehicles | \$8,431 | \$8,733 | \$8,126 | \$8,061 | \$7,722 | \$7,921 | \$8,309 | \$8,228 | \$8,383 | \$8,416 | \$8,393 | \$8,393 | \$8,393 | \$8,393 | \$8,393 |
| Total (\$000) | \$137,305 | \$150,510 | \$150,865 | \$171,235 | \$171,583 | \$179,619 | \$179,842 | \$180,136 | \$180,403 | \$180,645 | \$177,760 | \$177,479 | \$140,065 | \$139,969 | \$146,047 |

SERVICE LEVEL (\$/pop & emp)

Average Service Level

| Fire Services | | | | | | | | | | | | | | | | |
|-----------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Buildings | \$145.01 | \$143.39 | \$141.78 | \$240.23 | \$238.01 | \$261.81 | \$259.39 | \$256.99 | \$254.60 | \$251.30 | \$248.03 | \$244.30 | \$268.40 | \$262.20 | \$246.81 | \$230.82 |
| Land | \$8.85 | \$8.75 | \$8.66 | \$8.56 | \$8.48 | \$19.47 | \$19.29 | \$19.11 | \$18.93 | \$18.69 | \$18.45 | \$18.17 | \$29.01 | \$28.34 | \$26.68 | \$17.30 |
| Vehicles | \$111.36 | \$129.81 | \$131.44 | \$129.95 | \$129.47 | \$128.34 | \$121.86 | \$120.73 | \$119.61 | \$117.44 | \$102.07 | \$99.24 | \$107.93 | \$105.43 | \$126.81 | \$118.77 |
| Equipment | \$15.78 | \$16.25 | \$16.10 | \$16.13 | \$17.23 | \$17.07 | \$16.98 | \$16.82 | \$16.65 | \$16.44 | \$16.22 | \$15.98 | \$17.38 | \$16.95 | \$16.04 | \$16.54 |
| Police Services | | | | | | | | | | | | | | | | |
| Buildings | \$312.02 | \$353.37 | \$349.40 | \$345.45 | \$342.26 | \$339.10 | \$335.96 | \$332.85 | \$329.76 | \$325.48 | \$321.25 | \$316.42 | \$85.96 | \$83.97 | \$79.04 | \$283.49 |
| Land | \$49.18 | \$48.63 | \$48.09 | \$47.54 | \$47.10 | \$46.67 | \$46.24 | \$45.81 | \$45.38 | \$44.79 | \$44.21 | \$43.55 | \$106.74 | \$104.27 | \$98.15 | \$57.76 |
| Equipment | \$25.55 | \$26.20 | \$27.66 | \$29.43 | \$30.61 | \$31.72 | \$35.86 | \$37.33 | \$37.53 | \$38.65 | \$38.66 | \$38.09 | \$41.58 | \$40.17 | \$38.05 | \$34.47 |
| Vehicles | \$43.69 | \$44.74 | \$41.17 | \$40.38 | \$38.32 | \$38.94 | \$40.48 | \$39.71 | \$40.08 | \$39.72 | \$39.09 | \$38.51 | \$41.88 | \$40.91 | \$38.51 | \$40.41 |
| Total (\$000) | \$711.45 | \$771.16 | \$764.29 | \$857.67 | \$851.47 | \$883.12 | \$876.04 | \$869.35 | \$862.56 | \$852.50 | \$827.99 | \$814.25 | \$698.87 | \$682.25 | \$670.09 | \$799.54 |

CITY OF BARRIE
CALCULATION OF MAXIMUM ALLOWABLE FUNDING ENVELOPE
PROTECTION SERVICES

15-Year Funding Envelope Calculation

 15 Year Average Service Level 2008 - 2022
 \$799.54

 Net Population & Employment Growth 2023 - 2032
 73,289

 Maximum Allowable Funding Envelope
 \$58,597,487



APPENDIX B.2 TABLE 3-1

CITY OF BARRIE CASHFLOW AND DETERMINATION OF DEVELOPMENT CHARGE PROTECTION SERVICES RESIDENTIAL DEVELOPMENT CHARGE (in \$000)

| 2023 | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | 2030 | 2031 | 2032 | TOTAL |
|-------------|---|--|--|---|---|---|---|---|---|---|
| (\$2,802.9) | (\$6,277.3) | (\$7,892.8) | (\$5,133.7) | (\$2,046.7) | (\$1,478.4) | (\$1,691.1) | (\$1,798.7) | (\$1,795.1) | (\$1,671.3) | |
| | | | | | | | | | | |
| \$0.0 | \$0.0 | \$0.0 | \$0.0 | \$0.0 | \$0.0 | \$0.0 | \$0.0 | \$0.0 | \$0.0 | \$0.0 |
| \$6,951.7 | \$5,033.4 | \$906.6 | \$906.6 | \$3,512.6 | \$4,349.7 | \$4,349.7 | \$4,349.7 | \$4,349.7 | \$1,144.0 | \$35,853.8 |
| \$6,951.7 | \$5,134.0 | \$943.2 | \$962.1 | \$3,802.1 | \$4,802.4 | \$4,898.5 | \$4,996.5 | \$5,096.4 | \$1,367.2 | \$38,954.2 |
| | | | | | | | | | | |
| 5,338 | 5,483 | 5,629 | 5,778 | 5,927 | 6,075 | 6,223 | 6,367 | 6,509 | 3,722 | 57,051 |
| | | | | | | | | | | |
| \$3,720.3 | \$3,897.8 | \$4,081.6 | \$4,273.4 | \$4,471.3 | \$4,674.6 | \$4,884.3 | \$5,097.2 | \$5,315.1 | \$3,100.1 | \$43,515.7 |
| | | | | | | | | | | |
| (\$154.2) | (\$345.3) | (\$434.1) | (\$282.4) | (\$112.6) | (\$81.3) | (\$93.0) | (\$98.9) | (\$98.7) | (\$91.9) | (\$1,792.4) |
| (\$88.9) | (\$34.0) | \$54.9 | \$57.9 | \$11.7 | (\$3.5) | (\$0.4) | \$1.8 | \$3.8 | \$30.3 | \$33.7 |
| \$3,477.3 | \$3,518.5 | \$3,702.4 | \$4,049.0 | \$4,370.4 | \$4,589.8 | \$4,790.9 | \$5,000.1 | \$5,220.2 | \$3,038.5 | \$41,757.1 |
| (\$6,277.3) | (\$7,892.8) | (\$5,133.7) | (\$2,046.7) | (\$1,478.4) | (\$1,691.1) | (\$1,798.7) | (\$1,795.1) | (\$1,671.3) | \$0.0 | |
| | \$0.0 \$6,951.7 \$6,951.7 \$5,338 \$3,720.3 (\$154.2) (\$88.9) \$3,477.3 | \$0.0 \$0.0 \$6,951.7 \$5,033.4 \$6,951.7 \$5,134.0 5,338 5,483 \$3,720.3 \$3,897.8 \$(\$154.2) (\$345.3) (\$88.9) (\$34.0) \$3,477.3 \$3,518.5 | \$0.0 \$0.0 \$0.0 \$0.0 \$6,951.7 \$5,033.4 \$906.6 \$6,951.7 \$5,134.0 \$943.2 \$5,338 \$5,483 \$5,629 \$3,720.3 \$3,897.8 \$4,081.6 \$(\$154.2) \$(\$345.3) \$(\$434.1) \$(\$88.9) \$3,477.3 \$3,518.5 \$3,702.4 | (\$2,802.9) (\$6,277.3) (\$7,892.8) (\$5,133.7) \$0.0 \$0.0 \$0.0 \$0.0 \$6,951.7 \$5,033.4 \$906.6 \$906.6 \$6,951.7 \$5,134.0 \$943.2 \$962.1 \$5,338 5,483 5,629 5,778 \$3,720.3 \$3,897.8 \$4,081.6 \$4,273.4 (\$154.2) (\$345.3) (\$434.1) (\$282.4) (\$88.9) (\$34.0) \$54.9 \$57.9 \$3,477.3 \$3,518.5 \$3,702.4 \$4,049.0 | (\$2,802.9) (\$6,277.3) (\$7,892.8) (\$5,133.7) (\$2,046.7) \$0.0 \$0.2 </td <td>(\$2,802.9) (\$6,277.3) (\$7,892.8) (\$5,133.7) (\$2,046.7) (\$1,478.4) \$0.0</td> <td>(\$2,802.9) (\$6,277.3) (\$7,892.8) (\$5,133.7) (\$2,046.7) (\$1,478.4) (\$1,691.1) \$0.0</td> <td>(\$2,802.9) (\$6,277.3) (\$7,892.8) (\$5,133.7) (\$2,046.7) (\$1,478.4) (\$1,691.1) (\$1,798.7) \$0.0<td>(\$2,802.9) (\$6,277.3) (\$7,892.8) (\$5,133.7) (\$2,046.7) (\$1,478.4) (\$1,691.1) (\$1,798.7) (\$1,795.1) \$0.0</td><td>(\$2,802.9) (\$6,277.3) (\$7,892.8) (\$5,133.7) (\$2,046.7) (\$1,478.4) (\$1,691.1) (\$1,798.7) (\$1,795.1) (\$1,671.3) \$0.0</td></td> | (\$2,802.9) (\$6,277.3) (\$7,892.8) (\$5,133.7) (\$2,046.7) (\$1,478.4) \$0.0 | (\$2,802.9) (\$6,277.3) (\$7,892.8) (\$5,133.7) (\$2,046.7) (\$1,478.4) (\$1,691.1) \$0.0 | (\$2,802.9) (\$6,277.3) (\$7,892.8) (\$5,133.7) (\$2,046.7) (\$1,478.4) (\$1,691.1) (\$1,798.7) \$0.0 <td>(\$2,802.9) (\$6,277.3) (\$7,892.8) (\$5,133.7) (\$2,046.7) (\$1,478.4) (\$1,691.1) (\$1,798.7) (\$1,795.1) \$0.0</td> <td>(\$2,802.9) (\$6,277.3) (\$7,892.8) (\$5,133.7) (\$2,046.7) (\$1,478.4) (\$1,691.1) (\$1,798.7) (\$1,795.1) (\$1,671.3) \$0.0</td> | (\$2,802.9) (\$6,277.3) (\$7,892.8) (\$5,133.7) (\$2,046.7) (\$1,478.4) (\$1,691.1) (\$1,798.7) (\$1,795.1) \$0.0 | (\$2,802.9) (\$6,277.3) (\$7,892.8) (\$5,133.7) (\$2,046.7) (\$1,478.4) (\$1,691.1) (\$1,798.7) (\$1,795.1) (\$1,671.3) \$0.0 |

2023 Adjusted Charge Per Capita \$696.94

| Allocation of Capital Program | |
|------------------------------------|-------|
| Residential Sector | 75.6% |
| Non-Residential Sector | 24.4% |
| Rates for 2023 | |
| Inflation Rate | 2.0% |
| Interest Rate on Positive Balances | 3.5% |
| Interest Rate on Negative Balances | 5.5% |
| | |



APPENDIX B.2 TABLE 3-2

CITY OF BARRIE CASHFLOW AND DETERMINATION OF DEVELOPMENT CHARGE PROTECTION SERVICES RETAIL NON-RESIDENTIAL DEVELOPMENT CHARGE (in \$000)

| PROTECTION SERVICES | 2023 | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | 2030 | 2031 | 2032 | TOTAL |
|--|-----------|-------------|--------------|------------|------------|------------|------------|------------|------------|------------|-----------|
| OPENING CASH BALANCE | (\$351.7) | (\$913.48) | (\$1,224.62) | (\$966.84) | (\$647.08) | (\$620.16) | (\$665.68) | (\$670.01) | (\$629.23) | (\$539.07) | |
| 2023 - 2032 NON-RESIDEN HAL FUNDING REQUIREM | ENIS | | | | | | | | | | |
| - Prior Growth (Funding from DC Reserve Balance) | \$0.0 | \$0.0 | \$0.0 | \$0.0 | \$0.0 | \$0.0 | \$0.0 | \$0.0 | \$0.0 | \$0.0 | \$0.0 |
| - Protection Services: Non Inflated | \$872.3 | \$631.6 | \$113.8 | \$113.8 | \$440.8 | \$545.8 | \$545.8 | \$545.8 | \$545.8 | \$143.6 | \$4,499.1 |
| - Protection Services: Inflated | \$872.3 | \$644.2 | \$118.4 | \$120.7 | \$477.1 | \$602.6 | \$614.7 | \$627.0 | \$639.5 | \$171.6 | \$4,888.1 |
| NEW NON-RESIDENTIAL DEVELOPMENT | | | | | | | | | | | |
| - Growth in Square Metres | 24,230 | 26,920 | 29,610 | 32,300 | 35,000 | 37,690 | 40,380 | 43,070 | 45,760 | 43,000 | 357,960 |
| REVENUE | | | | | | | | | | | |
| - DC Receipts: Inflated | \$344.4 | \$390.3 | \$437.9 | \$487.2 | \$538.5 | \$591.5 | \$646.4 | \$703.3 | \$762.1 | \$730.5 | \$5,632.3 |
| INTEREST | | | | | | | | | | | |
| - Interest on Opening Balance | (\$19.3) | (\$50.2) | (\$67.4) | (\$53.2) | (\$35.6) | (\$34.1) | (\$36.6) | (\$36.9) | (\$34.6) | (\$29.6) | (\$397.5) |
| - Interest on In-year Transactions | (\$14.5) | (\$7.0) | \$5.6 | \$6.4 | \$1.1 | (\$0.3) | \$0.6 | \$1.3 | \$2.1 | \$9.8 | \$5.1 |
| TOTAL REVENUE | \$310.6 | \$333.1 | \$376.1 | \$440.5 | \$504.0 | \$557.1 | \$610.4 | \$667.8 | \$729.7 | \$710.6 | \$5,239.9 |
| CLOSING CASH BALANCE | (\$913.5) | (\$1,224.6) | (\$966.8) | (\$647.1) | (\$620.2) | (\$665.7) | (\$670.0) | (\$629.2) | (\$539.1) | \$0.0 | |
| | | | | | | | | | | | |

2023 Adjusted Charge Per Square Metre \$14.21

| Allocation of Capital Program | |
|------------------------------------|-------|
| Residential Sector | 75.6% |
| Retail | 9.5% |
| Non-Retail | 15.0% |
| | |
| Rates for 2023 | |
| Inflation Rate | 2.0% |
| Interest Rate on Positive Balances | 3.5% |
| Interest Rate on Negative Balances | 5.5% |
| | |



APPENDIX B.2 TABLE 3-3

CITY OF BARRIE CASHFLOW AND DETERMINATION OF DEVELOPMENT CHARGE PROTECTION SERVICES NON-RETAIL NON-RESIDENTIAL DEVELOPMENT CHARGE (in \$000)

| PROTECTION SERVICES | 2023 | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | 2030 | 2031 | 2032 | TOTAL |
|--|------------------------|----------------------|--------------------|--------------------|--------------------|---------------------|--------------------|--------------------|----------------------|--------------------|------------------------|
| OPENING CASH BALANCE | (\$555.2) | (\$1,439.37) | (\$1,927.44) | (\$1,517.01) | (\$1,008.13) | (\$961.05) | (\$1,027.54) | (\$1,028.36) | (\$957.16) | (\$807.21) | |
| 2023 - 2032 NON-RESIDENTIAL FUNDING REQUIREMEN | TS | | | | | | | | | | |
| - Prior Growth (Funding from DC Reserve Balance) | \$0.0 | \$0.0 | \$0.0 | \$0.0 | \$0.0 | \$0.0 | \$0.0 | \$0.0 | \$0.0 | \$0.0 | \$0.0 |
| - Protection Services: Non Inflated - Protection Services: Inflated | \$1,376.9 \$1,376.9 | \$997.0 \$1,016.9 | \$179.6 \$186.8 | \$179.6 \$190.6 | \$695.7 \$753.1 | \$861.5 \$951.2 | \$861.5 \$970.2 | \$861.5 \$989.6 | \$861.5 \$1,009.4 | \$226.6 \$270.8 | \$7,101.5 \$7,715.6 |
| NEW NON-RESIDENTIAL DEVELOPMENT - Growth in Square Metres | 68,370 | 75,970 | 83,560 | 91,160 | 98,760 | 106,360 | 113,950 | 121,550 | 129,140 | 116,050 | 1,004,870 |
| REVENUE - DC Receipts: Inflated | \$546.1 | \$618.9 | \$694.4 | \$772.7 | \$853.8 | \$937.9 | \$1,025.0 | \$1,115.2 | \$1,208.5 | \$1,107.8 | \$8,880.4 |
| INTEREST | | | | | | | | | | | |
| - Interest on Opening Balance - Interest on In-year Transactions | (\$30.5) (\$22.8) | (\$79.2) (\$10.9) | (\$106.0) \$8.9 | (\$83.4) \$10.2 | (\$55.4) \$1.8 | (\$52.9) (\$0.4) | (\$56.5) \$1.0 | (\$56.6) \$2.2 | (\$52.6) \$3.5 | (\$44.4) \$14.6 | (\$617.6) \$8.0 |
| TOTAL REVENUE | \$492.7 | \$528.8 | \$597.3 | \$699.4 | \$800.2 | \$884.7 | \$969.4 | \$1,060.8 | \$1,159.4 | \$1,078.0 | \$8,270.8 |
| CLOSING CASH BALANCE | (\$1,439.4) | (\$1,927.4) | (\$1,517.0) | (\$1,008.1) | (\$961.1) | (\$1,027.5) | (\$1,028.4) | (\$957.2) | (\$807.2) | \$0.0 | |

2023 Adjusted Charge Per Square Metre \$7.99

| Allocation of Capital Program | |
|------------------------------------|-------|
| Residential Sector | 75.6% |
| Retail | 9.5% |
| Non-Retail | 15.0% |
| | |
| Rates for 2023 | |
| Inflation Rate | 2.0% |
| Interest Rate on Positive Balances | 3.5% |
| Interest Rate on Negative Balances | 5.5% |
| | |



Appendix B.3 Parks and Recreation



Parks and Recreation

The City of Barrie Parks and Recreation Department is responsible for the indoor and outdoor recreation and leisure needs of the community, including the provision and maintenance of arenas, facilities, recreation services, and the provision and maintenance of parks and programs to the residents of Barrie. The City currently offers indoor recreation services from 12 facilities across the City; including Allandale Community Centre, the Sadlon Centre (formerly the Barrie Molson Centre), the East Bayfield Community Centre, and others. The City offers 1,330 hectares of developed parkland and an array of parks facilities including playgrounds, soccer fields and baseball diamonds. The following discusses the individual components included in the Parks and Recreation service category. The analysis is set out in the tables which follow.

| Table B.3-1 | Historical Service Levels and Calculation of 15-Year |
|-------------|--|
| | Average Service Level |
| Table B.3-2 | 2023-2032 Development-Related Capital Forecast and |
| | Calculation of the Growth-Related Net Capital Costs |
| Table B.3-3 | Cash Flow Analysis |

A. 15-Year Historical Service Levels and Calculation of Maximum Allowable Funding Envelope

Table B.3-1 displays the Parks and Recreation 15-year historical inventory for buildings, land, equipment, park facilities, parkland, park buildings, and parks fleet. The building space associated with indoor recreation facilities amounts to 437,340 square feet, valued at \$336.75 million. The land associated with the buildings amount to 13.16 hectares, and is valued at \$46.05 million. The equipment found in the facilities has a total value of \$102,000. The Parks



buildings include washrooms, concession, storage, stadium, pavilions, and other features for a replacement value of \$18.19 million.

Parkland in the City includes regional parks, district parks, community parks, neighbourhood parks, village squares, open space, and trails, with a replacement value of \$277.57 million. Replacement values for Parkland in Barrie include the cost of park amenities (e.g. playgrounds, baseball diamonds, tennis courts etc.) but exclude land costs. Parks fleet and equipment is extensive in the City at 105 items that have a combined value of \$9.07 million. The 2022 full replacement value of the inventory of capital assets for Parks and Recreation amounts to \$687.73 million.

The historical service level multiplied by the 10-year forecast of net population growth results in a 10-year maximum allowable funding envelope of \$254.25 million (54,830 net population growth X historical service level of \$4,637.13/capita). Table 1 provides a summary of the level of service and the calculation of the 10-year funding envelope from 2023 to 2032. The calculation of the maximum allowable funding envelope is summarized as follows:

10-Year Funding Envelope Calculation

| 15-Year Average Service Level (2008 – 2022) | \$4,637.13 |
|---|---------------|
| Net Pop. Growth (2023 – 2032) | 54,830 |
| Maximum Allowable Funding Envelope | \$254,253,838 |

B. Development-Related Capital Program

The Parks and Recreation capital program includes the recovery of Parkland Development for Former Barrie, Salem & Hewitt's Secondary Plan Area, and other locations in Barrie. These developments include sports fields, play courts, tennis courts, ball diamonds, splash pads, playgrounds, skateboard



parks, pickleball courts, cricket pitches, volleyball courts, and other types of parks throughout the City.

Former Barrie has \$31.70 million in growth-related costs, with \$15.59 million removed as benefit to existing shares. Approximately, \$6.96 million of available DC reserves will be used in the planning period and is removed from the DC eligible shares of these projects. In total, \$5.67 million will be considered post-period and recovered under subsequent DC Study updates, with the remaining \$3.48 million eligible for in-period DC recovery.

Salem & Hewitt's Secondary Plan Area has \$11.50 million in growth-related costs, and are considered to be fully DC eligible. A total of \$2.96 million of available DC reserves will be applied to projects occurring in the initial years of the planning period and \$6.83 million will be considered a post-period benefit. The remaining \$1.71 million is an in-period DC eligible cost.

Other Park Development in Barrie has \$17.68 million in growth-related costs, with no benefit to existing shares as it relates to the construction of net new assets. Approximately, \$1.77 million of available DC reserves will be applied to project occurring in the initial years of the planning period. A further \$14.14 million will be considered a post-period benefit, with the remaining \$1.77 million eligible for in-period DC recovery.

Parkland Development for Off-Road and Hiking Trails are included for the Former Boundary and Salem and Hewitt's areas for a gross total of \$45.76 million. Both projects have a 40% benefit to existing share allocation which is consistent with the Roads and Related active transportation infrastructure allocation. Recognizing that these projects extend beyond the 10-year planning horizon of 2032, approximately \$16.47 million has been identified as a post-period benefit and will be included for recovery as part of subsequent DC Background Studies. The remaining \$10.98 million is included as an in-period DC eligible share.



Two new Recreation Facilities in the City – in Salem and Hewitt's – are included in the capital program, amounting to \$324.27 million. There are no benefit to the existing shares. Of this amount, \$15.37 will be funded from the available DC reserve balance and a further \$73.22 million is allocated to post-period. The remaining costs, \$235.68 million, are considered to benefit development within the planning period.

The City will also purchase \$3.50 million in fleet across the City of Barrie over the 10-year planning period to service new growth in the Former Boundary. To service growth in the Salem and Hewitt's area, \$1.32 million of fleet will be purchased over the 10-year planning period. Approximately \$4.18 million in reserves will be used, therefore the remaining \$640,000 will be funded in the planning period.

The total 2023 – 2032 DC costs eligible for recovery amount to \$254.25 million which is allocated entirely against future residential development in the City of Barrie. This results in an unadjusted development charge of \$4,456.61 per capita.

C. Cash Flow Analysis

After cash flow and reserve fund consideration, the residential calculated charge increases to \$4,474.61 per capita. This is a reflection of the timing of the capital program and development charges revenues.

The following table summarizes the calculation of the parks and recreation development charge:

| | | | PARI | KS AND RECREATIO | N SUMMARY | | | |
|---------------|----------------|-----------------------|------------|-------------------|-------------------|------------|-------------------|---------------------|
| 15-year Hist. | 202 | 3 - 2032 | | Unadjusted | | | Adjusted | |
| Service Level | Development-Re | lated Capital Program | | Development Charg | e | | Development Charg | ge |
| per capita | Total | Net DC Recoverable | \$/capita | Retail \$/sq.m | Non-Retail\$/sq.m | \$/capita | Retail \$/sq.m | Non- Retail \$/sq.m |
| \$4,637.13 | \$435,732,614 | \$254,253,838 | \$4,456.61 | \$0.00 | \$0.00 | \$4,474.65 | \$0.00 | \$0.00 |



CITY OF BARRIE INVENTORY OF CAPITAL ASSETS PARKS AND RECREATION

| BUILDINGS | | | | | | | # | of Square Fe | et | | | | | | | UNIT COST |
|---|-------------|-------------|-------------|-------------|-------------|-------------|-------------|--------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Facility Name | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | (\$/sq.ft.) |
| Allandale-Phase 1 & 2 | 121,383 | 121,383 | 121,383 | 121,383 | 121,383 | 121,383 | 121,383 | 121,383 | 121,383 | 121,383 | 121,383 | 121,383 | 121,383 | 121,383 | 121,383 | \$820 |
| Sadlon Centre (Barrie Molson Centre) ¹ | 66,237 | 66,237 | 66,237 | 66,237 | 66,237 | 66,237 | 66,237 | 66,237 | 66,237 | 66,237 | 66,237 | 66,237 | 66,237 | 66,237 | 66,237 | \$730 |
| Parkview Community Centre-Original and Addition | 16,200 | 16,200 | 16,200 | 16,200 | 16,200 | 16,200 | 16,200 | 16,200 | 16,200 | 16,200 | 16,200 | 16,200 | 16,200 | 16,200 | 16,200 | \$820 |
| Southshore Community Centre | 19,536 | 19,536 | 19,536 | 19,536 | 19,536 | 19,536 | 19,536 | 19,536 | 19,536 | 19,536 | 19,536 | 19,536 | 19,536 | 19,536 | 19,536 | \$820 |
| Barrie Arena | 55,000 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | \$730 |
| Eastview Arena | 25,005 | 25,005 | 30,042 | 30,042 | 30,042 | 30,042 | 30,042 | 30,042 | 30,042 | 30,042 | 30,042 | 30,042 | 30,042 | 30,042 | 30,042 | \$820 |
| Lampman Land Community Centre | 12,895 | 12,895 | 12,895 | 12,895 | 12,895 | 12,895 | 12,895 | 12,895 | 12,895 | 12,895 | 12,895 | 12,895 | 12,895 | 12,895 | 12,895 | \$730 |
| Dorian Parker Community Centre | 7,847 | 7,847 | 7,847 | 7,847 | 7,847 | 7,847 | 7,847 | 7,847 | 7,847 | 7,847 | 7,847 | 7,847 | 7,847 | 7,847 | 7,847 | \$730 |
| East Bayfield Community Centre | 152,331 | 152,331 | 152,331 | 152,331 | 152,331 | 152,331 | 152,331 | 152,331 | 152,331 | 152,331 | 152,331 | 152,331 | 152,331 | 152,331 | 152,331 | \$730 |
| 70 Collier St. (Parks & Rec. Share = 6.74%) | 6,405 | 6,405 | 6,405 | 6,405 | 6,405 | 6,405 | 6,405 | 6,405 | 6,405 | 6,405 | 6,405 | 6,405 | 6,405 | 6,405 | 6,405 | \$780 |
| Circle at the Centre | 1,055 | 1,055 | 1,055 | 1,055 | 1,055 | 1,055 | 1,055 | 1,055 | 1,055 | 1,055 | 1,055 | 1,055 | 1,055 | 1,055 | 1,055 | \$780 |
| Victoria Village | 1,130 | 1,130 | 1,130 | 1,130 | 1,130 | 1,130 | 1,130 | 1,130 | - | - | - | - | - | - | - | \$65 |
| Sports Dome (Building only) | 2,530 | 2,530 | 2,530 | 2,530 | 2,530 | 2,530 | 2,530 | 2,530 | 2,530 | 2,530 | 2,530 | 2,530 | 2,530 | 2,530 | 2,530 | \$820 |
| Queens Park Tennis Court Building | 883 | 883 | 883 | 883 | 883 | 883 | 883 | 883 | 883 | 883 | 883 | 883 | 883 | 883 | 883 | \$780 |
| | | | | | | | | | | | | | | | | |
| Total (sq.ft.) | 488,435 | 433,435 | 438,472 | 438,472 | 438,472 | 438,472 | 438,472 | 438,472 | 437,342 | 437,342 | 437,342 | 437,342 | 437,342 | 437,342 | 437,342 | |
| Total (\$000) | \$372,841.3 | \$332.691.3 | \$336.822.1 | \$336.822.1 | \$336.822.1 | \$336.822.1 | \$336.822.1 | \$336,822.1 | \$336,749.1 | \$336,749.1 | \$336,749.1 | \$336,749.1 | \$336,749.1 | \$336,749.1 | \$336,749.1 | |

⁽¹⁾ Total GFA of Sadlon Centre is 110,395. 60% is attributed to community use



CITY OF BARRIE INVENTORY OF CAPITAL ASSETS PARKS AND RECREATION

| LAND | | | | | | | # | of Hectares | | | | | | | | UNIT COST |
|---|------------|------------|------------|------------|------------|------------|------------|-------------|------------|------------|------------|------------|------------|------------|------------|-------------|
| Facility Name | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | (\$/ha) |
| Allandale-Phase 1 & 2 | 3.62 | 3.62 | 3.62 | 3.62 | 3.62 | 3.62 | 3.62 | 3.62 | 3.62 | 3.62 | 3.62 | 3.62 | 3.62 | 3.62 | 3.62 | \$3,500,000 |
| Sadlon Centre (Barrie Molson Centre) 1 | 2.22 | 2.22 | 2.22 | 2.22 | 2.22 | 2.22 | 2.22 | 2.22 | 2.22 | 2.22 | 2.22 | 2.22 | 2.22 | 2.22 | 2.22 | \$3,500,000 |
| Parkview Community Centre-Original and Addition | 0.51 | 0.51 | 0.51 | 0.51 | 0.51 | 0.51 | 0.51 | 0.51 | 0.51 | 0.51 | 0.51 | 0.51 | 0.51 | 0.51 | 0.51 | \$3,500,000 |
| Southshore Community Centre | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | \$3,500,000 |
| Barrie Arena | 0.36 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | \$3,500,000 |
| Eastview Arena | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | 1.10 | \$3,500,000 |
| Lampman Land Community Centre | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | \$3,500,000 |
| Dorian Parker Community Centre | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | \$3,500,000 |
| East Bayfield Community Centre | 3.81 | 3.81 | 3.81 | 3.81 | 3.81 | 3.81 | 3.81 | 3.81 | 3.81 | 3.81 | 3.81 | 3.81 | 3.81 | 3.81 | 3.81 | \$3,500,000 |
| 70 Collier St. (Parks & Rec. Share = 6.74%) | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | \$3,500,000 |
| Circle at the Centre | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | \$3,500,000 |
| Victoria Village | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | - | - | - | - | - | - | - | \$3,500,000 |
| Sports Dome (Building only) | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | \$3,500,000 |
| Queens Park Tennis Court Building | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | \$3,500,000 |
| Total (ha) | 13.53 | 13.17 | 13.17 | 13.17 | 13.17 | 13.17 | 13.17 | 13.17 | 13.16 | 13.16 | 13.16 | 13.16 | 13.16 | 13.16 | 13.16 | |
| Total (\$000) | \$47,359.4 | \$46,082.1 | \$46,082.1 | \$46,082.1 | \$46,082.1 | \$46,082.1 | \$46,082.1 | \$46,082.1 | \$46,047.1 | \$46,047.1 | \$46,047.1 | \$46,047.1 | \$46,047.1 | \$46,047.1 | \$46,047.1 | |

⁽¹⁾ Total land area of Sadlon Centre is 0.61 ha. 60% is attributed to community use

| EQUIPMENT | | | | | | | Value | of Equipme | ent | | | | | | |
|--|----------|----------|----------|----------|----------|----------|----------|------------|----------|----------|----------|----------|----------|----------|----------|
| Description | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 |
| Floor Scrubbers | \$40,000 | \$40,000 | \$40,000 | \$40,000 | \$40,000 | \$40,000 | \$40,000 | \$40,000 | \$40,000 | \$40,000 | \$40,000 | \$40,000 | \$40,000 | \$40,000 | \$40,000 |
| Allandale Recreation Centre-Security system (CCTV) | \$32,000 | \$32,000 | \$32,000 | \$32,000 | \$32,000 | \$32,000 | \$32,000 | \$32,000 | \$32,000 | \$32,000 | \$32,000 | \$32,000 | \$32,000 | \$32,000 | \$32,000 |
| Security upgrade (CCTV)-East Bayfield Centre | \$30,000 | \$30,000 | \$30,000 | \$30,000 | \$30,000 | \$30,000 | \$30,000 | \$30,000 | \$30,000 | \$30,000 | \$30,000 | \$30,000 | \$30,000 | \$30,000 | \$30,000 |
| | | | | | | | | | | | | | | | |
| Total (\$000) | \$102.0 | \$102.0 | \$102.0 | \$102.0 | \$102.0 | \$102.0 | \$102.0 | \$102.0 | \$102.0 | \$102.0 | \$102.0 | \$102.0 | \$102.0 | \$102.0 | \$102.0 |



CITY OF BARRIE
INVENTORY OF CAPITAL ASSETS
PARKS AND RECREATION
OUTDOOR BUILDINGS

| PARK BUILDINGS | | | | | | | # (| of Square Fe | eet | | | | | | | UNIT COST |
|---|----------|----------|----------|----------|----------|----------|----------|--------------|----------|----------|----------|----------|----------|----------|----------|-------------|
| Facility Name | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | (\$/sa.ft.) |
| Queens Park Concession/Storage | 484 | 484 | 484 | 484 | 484 | 484 | 484 | 484 | 484 | 484 | 484 | 484 | 484 | 484 | 484 | \$780 |
| Centennial Concession | 1,163 | 1,163 | 1,163 | 1,163 | 1,163 | 1,163 | 1,163 | 1,163 | 1,163 | 1,163 | 1,163 | 1,163 | 1,163 | 1,163 | 1,163 | \$780 |
| Heritage Park Washrooms | 2,895 | 2,895 | 2,895 | 2,895 | 2,895 | 2,895 | 2,895 | 2,895 | 2,895 | 2,895 | 2,895 | 2,895 | 2,895 | 2,895 | 2,895 | \$780 |
| Tyndale Park Washrooms | 2,110 | 2,110 | 2,110 | 2,110 | 2,110 | 2,110 | 2,110 | 2,110 | 2,110 | 2,110 | 2,110 | 2,110 | 2,110 | 2,110 | 2,110 | \$780 |
| St. Vincent Park Washrooms | 301 | 301 | 301 | 301 | 301 | 301 | 301 | 301 | 301 | 301 | 786 | 786 | 786 | 786 | 786 | \$780 |
| MacMorrison Park Washrooms | 581 | 581 | 581 | 581 | 581 | 581 | 581 | 581 | 581 | 581 | 581 | 581 | 581 | 581 | 581 | \$780 |
| Johnson Beach Washrooms | 1,421 | 1,421 | 1,421 | 1,421 | 1,421 | 1,421 | 1,421 | 1,421 | 1,421 | 1,421 | 1,421 | 1,421 | 1,421 | 1,421 | 1,421 | \$780 |
| Minets Point Washrooms | 1,518 | 1,518 | 1,518 | 1,518 | 1,518 | 1,518 | 1,518 | 1,518 | 1,518 | 1,518 | 1,518 | 1,518 | 1,518 | 1,518 | 1,518 | \$780 |
| Queens Park Washrooms | 1,001 | 1,001 | 1,001 | 1,001 | 1,001 | 1,001 | 1,001 | 1,001 | 1,001 | 1,001 | 1,001 | 1,001 | 1,001 | 1,001 | 1,001 | \$780 |
| Shear Park Washrooms | 441 | 441 | 441 | 441 | 441 | 441 | 441 | 441 | 441 | 441 | 441 | 441 | 441 | 441 | 441 | \$780 |
| Centennial Park Washrooms | 3,488 | 3,488 | 3,488 | 3,488 | 3,488 | 3,488 | 3,488 | 3,488 | 3,488 | 3,488 | 3,488 | 3,488 | 3,488 | 3,488 | 3,488 | \$780 |
| Barrie Community Sports Park - Pump House | 301 | 301 | 301 | 301 | 301 | 301 | 301 | 301 | 301 | 301 | 301 | 301 | 301 | 301 | 301 | \$390 |
| Barrie Community Sports Park - Electrical Vaults | 334 | 334 | 334 | 334 | 334 | 334 | 334 | 334 | 334 | 334 | 334 | 334 | 334 | 334 | 334 | \$170 |
| Barrie Community Sports Park - Drive Shed | - | - | - | - | - | - | = | 2,400 | 2,400 | 2,400 | 2,400 | 2,400 | 2,400 | 2,400 | 2,400 | \$70 |
| Barrie Community Sports Park - Concession storage portable | 872 | 872 | 872 | 872 | 872 | 872 | 872 | 872 | 872 | 872 | 872 | 872 | 872 | 872 | 872 | \$490 |
| Barrie Community Sports Park - Admin. Building | - | - | - | - | - | - | 1,195 | 1,195 | 1,195 | 1,195 | 1,195 | 1,195 | 1,195 | 1,195 | 1,195 | \$490 |
| Lion's Pavillion | - | - | - | - | - | - | - | - | - | - | 818 | 818 | 818 | 818 | 818 | \$290 |
| Barrie Community Sports Park - Stadium | 2,734 | 2,734 | 2,734 | 2,734 | 2,734 | 2,734 | 2,734 | 2,734 | 2,734 | 2,734 | 2,734 | 2,734 | 2,734 | 2,734 | 2,734 | \$490 |
| Barrie Community Sports Park - Containers | 2,357 | 2,357 | 2,357 | 2,357 | 2,357 | 2,357 | 2,357 | 2,357 | 2,357 | 2,357 | 2,357 | 2,357 | 2,357 | 2,357 | 2,357 | \$30 |
| Barrie Community Sports Park - Pavillion, including washrooms | 3,455 | 3,455 | 3,455 | 3,455 | 3,455 | 3,455 | 3,455 | 3,455 | 3,455 | 3,455 | 3,455 | 3,455 | 3,455 | 3,455 | 3,455 | \$440 |
| Barrie Community Sports Park - Fields building (changerooms) | 1,625 | 1,625 | 1,625 | 1,625 | 1,625 | 1,625 | 1,625 | 1,625 | 1,625 | 1,625 | 1,625 | 1,625 | 1,625 | 1,625 | 1,625 | \$440 |
| Centennial Beach (Pavillion Structure) | - | - | - | - | - | - | - | - | - | - | - | 1,270 | 1,270 | 1,270 | 1,270 | \$440 |
| Total (sq.ft.) | 27,082 | 27,082 | 27,082 | 27,082 | 27,082 | 27,082 | 28,277 | 30,677 | 30,677 | 30,677 | 31,980 | 33,250 | 33,250 | 33,250 | 33,250 | |
| Total (\$000) | \$16,262 | \$16,262 | \$16,262 | \$16,262 | \$16,262 | \$16,262 | \$16,847 | \$17,015 | \$17,015 | \$17,015 | \$17,630 | \$18,189 | \$18,189 | \$18,189 | \$18,189 | |



CITY OF BARRIE INVENTORY OF CAPITAL ASSETS PARKS AND RECREATION PARKLAND

| DEVELOPED PARKLAND | | | | | | | | # of Hectares | i | | | | | | | UNIT COST ¹ |
|---|-------|-------|-------|-------|-------|-------|-------|---------------|-------|-------|-------|-------|-------|-------|-------|------------------------|
| Park Name | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | (\$/ha) |
| Regional Parks | | | | | | | | | | | | | | | | (+,, |
| Barrie Community Sports Park | 47.95 | 47.95 | 47.95 | 47.95 | 47.95 | 47.95 | 47.95 | 47.95 | 47.95 | 47.95 | 48.92 | 48.92 | 48.92 | 48.92 | 48.92 | \$530,000 |
| Sunnidale Park | 19.67 | 19.67 | 19.67 | 19.67 | 19.67 | 19.67 | 19.67 | 19.67 | 19.67 | 19.67 | 19.67 | 19.67 | 19.67 | 19.67 | 19.67 | \$530,000 |
| District Parks (Excluding Facility Portion) | | | | | | | | | | | | | | | | |
| Allandale Recreation Center | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | \$555,000 |
| Centennial Beach North | - | | | | | - | - | 4.13 | 4.13 | 4.13 | 4.13 | 4.13 | 4.13 | 4.13 | 4.13 | \$555,000 |
| Centennial Beach South | 11.37 | 11.37 | 11.37 | 11.37 | 11.37 | 11.37 | 11.37 | 3.33 | 3.33 | 3.33 | 3.33 | 3.33 | 3.33 | 3.33 | 3.33 | \$555,000 |
| East Bayfield Park | 4.91 | 4.91 | 4.91 | 4.91 | 4.91 | 4.91 | 4.91 | 4.91 | 4.91 | 4.91 | 4.91 | 4.91 | 4.91 | 4.91 | 4.91 | \$555,000 |
| Eastview Park | 4.34 | 4.34 | 4.34 | 4.34 | 4.34 | 4.34 | 4.34 | 4.34 | 4.34 | 4.34 | 5.76 | 5.76 | 5.76 | 5.76 | 5.76 | \$555,000 |
| Heritage Park | 2.97 | 2.97 | 2.97 | 2.97 | 2.97 | 2.97 | 2.97 | 2.97 | 2.97 | 2.97 | 2.96 | 2.96 | 2.96 | 2.96 | 2.96 | \$555,000 |
| Holly Community Park | 4.83 | 4.83 | 4.83 | 4.83 | 4.83 | 4.83 | 4.83 | 4.83 | 4.83 | 4.83 | 4.83 | 4.83 | 4.83 | 4.83 | 4.83 | \$555,000 |
| Lampman Lane Park | 5.43 | 5.43 | 5.43 | 5.43 | 5.43 | 5.43 | 5.43 | 5.43 | 5.43 | 5.43 | 7.22 | 7.22 | 7.22 | 7.22 | 7.22 | \$555,000 |
| Marina | - | - | - | - | - | - | - | 2.48 | 2.48 | 2.48 | 2.48 | 2.48 | 2.48 | 2.48 | 2.48 | \$555,000 |
| South Shore Park | = | = | - | - | - | - | - | 5.34 | 5.34 | 5.34 | 5.34 | 5.34 | 5.34 | 5.34 | 5.34 | \$555,000 |
| Tiffin Launch | - | - | - | - | - | - | - | 1.54 | 1.54 | 1.54 | 1.54 | 1.54 | 1.54 | 1.54 | 1.54 | \$555,000 |
| Community Parks | | | | | | | | | | | | | | | | |
| Allandale Station Park | 10.84 | 10.84 | 10.84 | 10.84 | 10.84 | 10.84 | 10.84 | 10.84 | 10.84 | 10.84 | 8.15 | 8.15 | 8.15 | 8.15 | 8.15 | \$592,000 |
| Ferndale Park | 4.08 | 4.08 | 4.08 | 4.08 | 4.08 | 4.08 | 4.08 | 4.08 | 4.08 | 4.08 | 5.12 | 5.12 | 5.12 | 5.12 | 5.12 | \$592,000 |
| Huronia Park North | 8.26 | 8.26 | 8.26 | 8.26 | 8.26 | 8.26 | 8.26 | 8.26 | 8.26 | 8.26 | 11.78 | 11.78 | 11.78 | 11.78 | 11.78 | \$592,000 |
| Lennox Park | 7.97 | 7.97 | 7.97 | 7.97 | 7.97 | 7.97 | 7.97 | 7.97 | 7.97 | 7.97 | 7.97 | 7.97 | 7.97 | 7.97 | 7.97 | \$592,000 |
| Marina North | - | - | - | - | - | - | - | 1.01 | 1.01 | 1.01 | 2.49 | 2.49 | 2.49 | 2.49 | 2.49 | \$592,000 |
| Military Heritage Park | - | ı, | - | - | - | - | - | 1.05 | 0.93 | 1.05 | 2.59 | 2.59 | 2.59 | 2.59 | 2.59 | \$592,000 |
| Minets Point | 1.21 | 1.21 | 1.21 | 1.21 | 1.21 | 1.21 | 1.21 | 1.21 | 1.21 | 1.21 | 1.21 | 1.21 | 1.21 | 1.21 | 1.21 | \$592,000 |
| North Shore Trail | - | ı, | - | - | - | - | - | 6.55 | 6.55 | 6.55 | 6.55 | 6.55 | 6.55 | 6.55 | 6.55 | \$592,000 |
| Painswick Park | 3.92 | 3.92 | 3.92 | 3.92 | 3.92 | 3.92 | 3.92 | 3.92 | 3.92 | 3.92 | 3.92 | 3.92 | 3.92 | 3.92 | 3.92 | \$592,000 |
| Queens Park | 3.88 | 3.88 | 3.88 | 3.88 | 3.88 | 3.88 | 3.88 | 3.88 | 3.88 | 3.88 | 3.88 | 3.88 | 3.88 | 3.88 | 3.88 | \$592,000 |
| Sandringham | 7.49 | 7.49 | 7.49 | 7.49 | 7.49 | 7.49 | 7.49 | 7.49 | 7.49 | 7.49 | 9.06 | 9.06 | 9.06 | 9.06 | 9.06 | \$592,000 |
| Shear Park | 2.04 | 2.04 | 2.04 | 2.04 | 2.04 | | 2.04 | 2.04 | 2.04 | 2.04 | 4.27 | 4.27 | 4.27 | 4.27 | 4.27 | \$592,000 |
| Tyndale Park | 3.08 | 3.08 | 3.08 | 3.08 | 3.08 | 3.08 | 3.08 | 3.08 | 3.08 | 3.08 | 6.18 | 6.18 | 6.18 | 6.18 | 6.18 | \$592,000 |



CITY OF BARRIE INVENTORY OF CAPITAL ASSETS PARKS AND RECREATION PARKLAND

| DEVELOPED PARKLAND | | | | | | | | # of Hectares | i | | | | | | | UNIT COST ¹ |
|------------------------|------|------|------|------|------|------|------|---------------|------|------|------|------|------|------|------|------------------------|
| Park Name | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | (\$/ha) |
| Neighbourhood Parks | | | | | | | | | | | | | | | | |
| Allandale Heights Park | 1.21 | 1.21 | 1.21 | 1.21 | 1.21 | 1.21 | 1.21 | 1.21 | 1.21 | 1.21 | 1.21 | 1.21 | 1.21 | 1.21 | 1.21 | \$800,000 |
| Archie Goodall Park | 0.61 | 0.61 | 0.61 | 0.61 | 0.61 | 0.61 | 0.61 | 0.61 | 0.61 | 0.61 | 0.61 | 0.61 | 0.61 | 0.61 | 0.61 | \$800,000 |
| Assikinack Park | 2.14 | 2.14 | 2.14 | 2.14 | 2.14 | 2.14 | 2.14 | 2.14 | 2.14 | 2.14 | 2.14 | 2.14 | 2.14 | 2.14 | 2.14 | \$800,000 |
| Barwick Park | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 1.57 | 1.57 | 1.57 | 1.57 | 1.57 | \$800,000 |
| Batteaux | 2.31 | 2.31 | 2.31 | 2.31 | 2.31 | 2.31 | 2.31 | 2.31 | 2.31 | 2.31 | 3.02 | 3.02 | 3.02 | 3.02 | 3.02 | \$800,000 |
| Bayshore Park | 2.06 | 2.06 | 2.06 | 2.06 | 2.06 | 2.06 | 2.06 | 2.06 | 2.06 | 2.06 | 2.06 | 2.06 | 2.06 | 2.06 | 2.06 | \$800,000 |
| Bear Creek | 3.16 | 3.16 | 3.16 | 3.16 | 3.16 | 3.16 | 3.16 | 3.16 | 3.16 | 3.16 | 3.17 | 3.17 | 3.17 | 3.17 | 3.17 | \$800,000 |
| Berczy Park | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.28 | 0.89 | 0.89 | 0.89 | 0.89 | 0.89 | \$800,000 |
| Blair Park | 0.31 | 0.31 | 0.31 | 0.31 | 0.31 | 0.31 | 0.31 | 0.31 | 0.31 | 0.31 | 0.31 | 0.31 | 0.31 | 0.31 | 0.31 | \$800,000 |
| Brock Park | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.56 | 1.56 | 1.56 | 1.56 | 1.56 | \$800,000 |
| Brownwood Park | 0.42 | 0.42 | 0.42 | 0.42 | 0.42 | 0.42 | 0.42 | 0.42 | 0.42 | 0.42 | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 | \$800,000 |
| Brunton Park | 0.47 | 0.47 | 0.47 | 0.47 | 0.47 | 0.47 | 0.47 | 0.47 | 0.47 | 0.47 | 0.47 | 0.47 | 0.47 | 0.47 | 0.47 | \$800,000 |
| Carter Park | 0.47 | 0.47 | 0.47 | 0.47 | 0.47 | 0.47 | 0.47 | 0.47 | 0.47 | 0.47 | 0.46 | 0.46 | 0.46 | 0.46 | 0.46 | \$800,000 |
| Cartwright Park | 1.38 | 1.38 | 1.38 | 1.38 | 1.38 | 1.38 | 1.38 | 1.38 | 1.38 | 1.38 | 1.38 | 1.38 | 1.38 | 1.38 | 1.38 | \$800,000 |
| Catherine | 1.13 | 1.13 | 1.13 | 1.13 | 1.13 | 1.13 | 1.13 | 1.13 | 1.13 | 1.13 | 1.14 | 1.14 | 1.14 | 1.14 | 1.14 | \$800,000 |
| Cedargrove Park | 0.55 | 0.55 | 0.55 | 0.55 | 0.55 | 0.55 | 0.55 | 0.55 | 0.55 | 0.55 | 1.31 | 1.31 | 1.31 | 1.31 | 1.31 | \$800,000 |
| Chalmers Park | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 | \$800,000 |
| Cheltenham Park | 2.67 | 2.67 | 2.67 | 2.67 | 2.67 | 2.67 | 2.67 | 2.67 | 2.67 | 2.67 | 2.67 | 2.67 | 2.67 | 2.67 | 2.67 | \$800,000 |
| Clougheey Park | 1.72 | 1.72 | 1.72 | 1.72 | 1.72 | 1.72 | 1.72 | 1.72 | 1.72 | 1.72 | 1.72 | 1.72 | 1.72 | 1.72 | 1.72 | \$800,000 |
| College Heights Park | 1.25 | 1.25 | 1.25 | 1.25 | 1.25 | 1.25 | 1.25 | 1.25 | 1.25 | 1.25 | 1.25 | 1.25 | 1.25 | 1.25 | 1.25 | \$800,000 |
| Coronation Park | - | - | - | - | 2.12 | 2.12 | 2.12 | 2.12 | 2.12 | 2.12 | 2.12 | 2.12 | 2.12 | 2.12 | 2.12 | \$800,000 |
| Cudia Park | 0.64 | 0.64 | 0.64 | 0.64 | 0.64 | 0.64 | 0.64 | 0.64 | 0.64 | 0.64 | 0.64 | 0.64 | 0.64 | 0.64 | 0.64 | \$800,000 |
| Cumming Park | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | 0.23 | \$800,000 |
| Cundles West Park | 1.89 | 1.89 | 1.89 | 1.89 | 1.89 | 1.89 | 1.89 | 1.89 | 1.89 | 1.89 | 1.89 | 1.89 | 1.89 | 1.89 | 1.89 | \$800,000 |



CITY OF BARRIE INVENTORY OF CAPITAL ASSETS PARKS AND RECREATION PARKLAND

| DEVELOPED PARKLAND | | | | | | | | # of Hectares | ; | | | | | | | UNIT COST ¹ |
|-----------------------|------|------|------|------|------|------|------|---------------|------|------|------|------|------|------|------|------------------------|
| Park Name | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | (\$/ha) |
| Neighbourhood Parks | | | | | | | | | | | | | | | | |
| D & J Fralick Park | 1.09 | 1.09 | 1.09 | 1.09 | 1.09 | 1.09 | 1.09 | 1.09 | 1.09 | 1.09 | 3.53 | 3.53 | 3.53 | 3.53 | 3.53 | \$800,000 |
| D'ambrosio Park | 0.89 | 0.89 | 0.89 | 0.89 | 0.89 | 0.89 | 0.89 | 0.89 | 0.89 | 0.89 | 0.89 | 0.89 | 0.89 | 0.89 | 0.89 | \$800,000 |
| Dock Road Park | 1.04 | 1.04 | 1.04 | 1.04 | 1.04 | 1.04 | 1.04 | 1.04 | 1.04 | 1.04 | 1.33 | 1.33 | 1.33 | 1.33 | 1.33 | \$800,000 |
| Donald St. Park | 0.49 | 0.49 | 0.49 | 0.49 | 0.49 | 0.49 | 0.49 | 0.49 | 0.49 | 0.49 | 0.49 | 0.49 | 0.49 | 0.49 | 0.49 | \$800,000 |
| Dunsmore Park | 9 | - | - | = | = | - | 0.81 | 0.81 | 0.81 | 0.81 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | \$800,000 |
| Eccles Park | = | - | - | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | \$800,000 |
| Elizabeth Park | 0.91 | 0.91 | 0.91 | 0.91 | 0.91 | 0.91 | 0.91 | 0.91 | 0.91 | 0.91 | 0.91 | 0.91 | 0.91 | 0.91 | 0.91 | \$800,000 |
| Emms Park | 0.18 | 0.18 | 0.18 | 0.18 | 0.18 | 0.18 | 0.18 | 0.18 | 0.18 | 0.18 | 0.18 | 0.18 | 0.18 | 0.18 | 0.18 | \$800,000 |
| Ferris Park | 1.24 | 1.24 | 1.24 | 1.24 | 1.24 | 1.24 | 1.24 | 1.24 | 1.24 | 1.24 | 1.24 | 1.24 | 1.24 | 1.24 | 1.24 | \$800,000 |
| Gibbon Park | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.78 | 0.78 | 0.78 | 0.78 | 0.78 | \$800,000 |
| Golden Meadow Park | 3.48 | 3.48 | 3.48 | 3.48 | 3.48 | 3.48 | 3.48 | 3.48 | 3.48 | 3.48 | 3.48 | 3.48 | 3.48 | 3.48 | 3.48 | \$800,000 |
| Greenfield Park | 2.31 | 2.31 | 2.31 | 2.31 | 2.31 | 2.31 | 2.31 | 2.31 | 2.31 | 2.31 | 2.31 | 2.31 | 2.31 | 2.31 | 2.31 | \$800,000 |
| Hanmer Park | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 0.85 | 0.85 | 0.85 | 0.85 | 0.85 | \$800,000 |
| Harvie Park | 1.61 | 1.61 | 1.61 | 1.61 | 1.61 | 1.61 | 1.61 | 1.61 | 1.61 | 1.61 | 1.61 | 1.61 | 1.61 | 1.61 | 1.61 | \$800,000 |
| H.G. Robertson Park | 1.32 | 1.32 | 1.32 | 1.32 | 1.32 | 1.32 | 1.32 | 1.32 | 1.32 | 1.32 | 0.85 | 0.85 | 0.85 | 0.85 | 0.85 | \$800,000 |
| Hickling Park | 2.52 | 2.52 | 2.52 | 2.52 | 2.52 | 2.52 | 2.52 | 2.52 | 2.52 | 2.52 | 2.52 | 2.52 | 2.52 | 2.52 | 2.52 | \$800,000 |
| Highland Park | 0.74 | 0.74 | 0.74 | 0.74 | 0.74 | 0.74 | 0.74 | 0.74 | 0.74 | 0.74 | 0.74 | 0.74 | 0.74 | 0.74 | 0.74 | \$800,000 |
| Hurst Park | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 | 0.96 | \$800,000 |
| Hyde Park | = | - | - | 1.87 | 1.87 | 1.87 | 1.87 | 1.87 | 1.87 | 1.87 | 4.70 | 4.70 | 4.70 | 4.70 | 4.70 | \$800,000 |
| Irwin Park | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 1.17 | 1.17 | 1.17 | 1.17 | 1.17 | \$800,000 |
| J Gibbons Park | - | - | - | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | \$800,000 |
| John Edwin Coupe Park | 0.24 | 0.24 | 0.24 | 0.24 | 0.24 | 0.24 | 0.24 | 0.24 | 0.24 | 0.24 | 0.24 | 0.24 | 0.24 | 0.24 | 0.24 | \$800,000 |
| Johnson Beach | 0.71 | 0.71 | 0.71 | 0.71 | 0.71 | 0.71 | 0.71 | 0.71 | 0.71 | 0.71 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | \$800,000 |
| Kearsey Park | 1.93 | 1.93 | 1.93 | 1.93 | 1.93 | 1.93 | 1.93 | 1.93 | 1.93 | 1.93 | 1.93 | 1.93 | 1.93 | 1.93 | 1.93 | \$800,000 |
| Kempenfelt Park | 0.64 | 0.64 | 0.64 | 0.64 | 0.64 | 0.64 | 0.64 | 0.64 | 0.64 | 0.64 | 0.64 | 0.64 | 0.64 | 0.64 | 0.64 | \$800,000 |
| Kozlov Park | = | - | - | = | - | - | - | 0.68 | 0.68 | 0.68 | 1.68 | 1.68 | 1.68 | 1.68 | 1.68 | \$800,000 |
| Kuzmich Park | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | \$800,000 |
| Leacock Park | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | 1.28 | \$800,000 |
| Lions Park | 0.24 | 0.24 | 0.24 | 0.24 | 0.24 | 0.24 | 0.24 | 0.24 | 0.24 | 0.24 | 0.24 | 0.24 | 0.24 | 0.24 | 0.24 | \$800,000 |
| Livingstone Park | 3.04 | 3.04 | 3.04 | 3.04 | 3.04 | 3.04 | 3.04 | 3.04 | 3.04 | 3.04 | 3.04 | 3.04 | 3.04 | 3.04 | 3.04 | \$800,000 |
| Lonsdale Park | 0.33 | 0.33 | 0.33 | 0.33 | 0.33 | 0.33 | 0.33 | 0.33 | 0.33 | 0.33 | 0.33 | 0.33 | 0.33 | 0.33 | 0.33 | \$800,000 |
| Lougheed Park | 2.41 | 2.41 | 2.41 | 2.41 | 2.41 | 2.41 | 2.41 | 2.41 | 2.41 | 2.41 | 2.41 | 2.41 | 2.41 | 2.41 | 2.41 | \$800,000 |
| Loyalist Park | 0.89 | 0.89 | 0.89 | 0.89 | 0.89 | 0.89 | 0.89 | 0.89 | 0.89 | 0.89 | 1.77 | 1.77 | 1.77 | 1.77 | 1.77 | \$800,000 |
| MacMorrison Park | 2.64 | 2.64 | 2.64 | 2.64 | 2.64 | 2.64 | 2.64 | 2.64 | 2.64 | 2.64 | 2.64 | 2.64 | 2.64 | 2.64 | 2.64 | \$800,000 |
| Madelaine Park | 2.02 | 2.02 | 2.02 | 2.02 | 2.02 | 2.02 | 2.02 | 2.02 | 2.02 | 2.02 | 2.69 | 2.69 | 2.69 | 2.69 | 2.69 | \$800,000 |
| Maitland Park | 2.25 | 2.25 | 2.25 | 2.25 | 2.25 | 2.25 | 2.25 | 2.25 | 2.25 | 2.25 | 2.24 | 2.24 | 2.24 | 2.24 | 2.24 | \$800,000 |
| Mapleton Park | 1.35 | 1.35 | 1.35 | 1.35 | 2.04 | 2.04 | 2.04 | 2.04 | 2.04 | 2.04 | 2.04 | 2.04 | 2.04 | 2.04 | 2.04 | \$800,000 |



CITY OF BARRIE INVENTORY OF CAPITAL ASSETS PARKS AND RECREATION PARKLAND

| DEVELOPED PARKLAND | | | | | | | | # of Hectare | s | | | | | | | UNIT COST ¹ |
|------------------------|------|------|------|------|------|------|------|--------------|------|------|-------|-------|-------|-------|-------|------------------------|
| Park Name | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | (\$/ha) |
| Neighbourhood Parks | | | | | | | | | | | | | | | | 11. |
| Marsellus Park | 2.66 | 2.66 | 2.66 | 2.66 | 2.66 | 2.66 | 2.66 | 2.66 | 2.66 | 2.66 | 2.66 | 2.66 | 2.66 | 2.66 | 2.66 | \$800,000 |
| Mayfair Park | 0.17 | 0.17 | 0.17 | 0.17 | 0.17 | 0.17 | 0.17 | 0.17 | 0.17 | 0.17 | 1.76 | 1.76 | 1.76 | 1.76 | 1.76 | \$800,000 |
| McConkey Park | 1.26 | 1.26 | 1.26 | 1.26 | 1.26 | 1.26 | 1.26 | 1.26 | 1.26 | 1.26 | 1.26 | 1.26 | 1.26 | 1.26 | 1.26 | \$800,000 |
| Monserrand Park | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | \$800,000 |
| Nelson Lookout | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.43 | 0.43 | 0.43 | 0.43 | 0.43 | \$800,000 |
| Nelson Square | 0.85 | 0.85 | 0.85 | 0.85 | 0.85 | 0.85 | 0.85 | 0.85 | 0.85 | 0.85 | 0.85 | 0.85 | 0.85 | 0.85 | 0.85 | \$800,000 |
| Oates Park | 0.47 | 0.47 | 0.47 | 0.47 | 0.47 | 0.47 | 0.47 | 0.47 | 0.47 | 0.47 | 1.05 | 1.05 | 1.05 | 1.05 | 1.05 | \$800,000 |
| Osprey Ridge Park | 1.69 | 1.69 | 1.69 | 1.69 | 1.69 | 1.69 | 1.69 | 1.69 | 1.69 | 1.69 | 1.69 | 1.69 | 1.69 | 1.69 | 1.69 | \$800,000 |
| Patricia Park | 0.19 | 0.19 | 0.19 | 0.19 | 0.19 | 0.19 | 0.19 | 0.19 | 0.19 | 0.19 | 0.19 | 0.19 | 0.19 | 0.19 | 0.19 | \$800,000 |
| Patterson Place Park | 0.46 | 0.46 | 0.46 | 0.46 | 0.46 | 0.46 | 0.46 | 0.46 | 0.46 | 0.46 | 0.46 | 0.46 | 0.46 | 0.46 | 0.46 | \$800,000 |
| Pioneer Park | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | \$800,000 |
| Pringle Park | 2.89 | 2.89 | 2.89 | 2.89 | 2.89 | 2.89 | 2.89 | 2.89 | 2.89 | 2.89 | 2.89 | 2.89 | 2.89 | 2.89 | 2.89 | \$800,000 |
| Radenhurst Park | 0.78 | 0.78 | 0.78 | 0.78 | 0.78 | 0.78 | 0.78 | 0.78 | 0.78 | 0.78 | 1.45 | 1.45 | 1.45 | 1.45 | 1.45 | \$800,000 |
| Redfern Park | 0.76 | 0.76 | 0.76 | 0.76 | 0.76 | 0.76 | 0.76 | 0.76 | 0.76 | 0.76 | 1.45 | 1.45 | 1.45 | 1.45 | 1.45 | \$800,000 |
| Redpath Park | 0.69 | 0.69 | 0.69 | 0.69 | 0.69 | 0.69 | 0.69 | 0.69 | 0.69 | 0.69 | 0.69 | 0.69 | 0.69 | 0.69 | 0.69 | \$800,000 |
| Robin Court | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 | \$800,000 |
| Riverwood Park | 3.01 | 3.01 | 3.01 | 3.01 | 3.01 | 3.01 | 3.01 | 3.01 | 3.01 | 3.01 | 3.01 | 3.01 | 3.01 | 3.01 | 3.01 | \$800,000 |
| Sam Cancilla Park | 0.83 | 0.83 | 0.83 | 0.83 | 0.83 | 0.83 | 0.83 | 0.83 | 0.83 | 0.83 | 2.06 | 2.06 | 2.06 | 2.06 | 2.06 | \$800,000 |
| Scott Park | 0.77 | 0.77 | 0.77 | 0.77 | 0.77 | 0.77 | 0.77 | 0.77 | 0.77 | 0.77 | 0.77 | 0.77 | 0.77 | 0.77 | 0.77 | \$800,000 |
| Shalom Park | - | - | - | 1.25 | 1.25 | 1.25 | 1.25 | 1.25 | 1.25 | 1.25 | 1.25 | 1.25 | 1.25 | 1.25 | 1.25 | \$800,000 |
| Sheppards Park | 0.32 | 0.32 | 0.32 | 0.32 | 0.32 | 0.32 | 0.32 | 0.32 | 0.32 | 0.32 | 0.49 | 0.49 | 0.49 | 0.49 | 0.49 | \$800,000 |
| Shoreview Park | 1.20 | 1.20 | 1.20 | 1.20 | 1.20 | 1.20 | 1.20 | 1.20 | 1.20 | 1.20 | 1.79 | 1.79 | 1.79 | 1.79 | 1.79 | \$800,000 |
| Snowshoe Park | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | \$800,000 |
| St. Vincent Park | 0.88 | 0.88 | 0.88 | 0.88 | 0.88 | 0.88 | 0.88 | 0.88 | 0.88 | 0.88 | 0.88 | 0.88 | 0.88 | 0.88 | 0.88 | \$800,000 |
| Steel St. Park | 1.13 | 1.13 | 1.13 | 1.13 | 1.13 | 1.13 | 1.13 | 1.13 | 1.13 | 1.13 | 0.99 | 0.99 | 0.99 | 0.99 | 0.99 | \$800,000 |
| Stollar Park | 1.55 | 1.55 | 1.55 | 1.55 | 1.55 | 1.55 | 1.55 | 1.55 | 1.55 | 1.55 | 1.55 | 1.55 | 1.55 | 1.55 | 1.55 | \$800,000 |
| Strabane Park | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 | \$800,000 |
| Succession Parkette | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.16 | 0.16 | 0.16 | 0.16 | 0.16 | \$800,000 |
| Summerset Park | - | - | - | - | 2.82 | 2.82 | 2.82 | 2.82 | 2.82 | 2.82 | 2.82 | 2.82 | 2.82 | 2.82 | 2.82 | \$800,000 |
| Surrey Park | 2.06 | 2.06 | 2.06 | 2.06 | 2.06 | 2.06 | 2.06 | 2.06 | 2.06 | 2.06 | 2.34 | 2.34 | 2.34 | 2.34 | 2.34 | \$800,000 |
| Tall Trees | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 1.70 | 1.70 | 1.70 | 1.70 | 1.70 | \$800,000 |
| The Gables | 0.76 | 0.76 | 0.76 | 0.76 | 0.76 | 0.76 | 0.76 | 0.76 | 0.76 | 0.76 | 14.51 | 14.51 | 14.51 | 14.51 | 14.51 | \$800,000 |
| Tollendal Woods Park | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.40 | 0.71 | 0.71 | 0.71 | 0.71 | 0.71 | \$800,000 |
| Valley View Park North | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 | 0.35 | 0.35 | 0.35 | 0.35 | 0.35 | \$800,000 |
| Valley View Park South | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.06 | 0.16 | 0.16 | 0.16 | 0.16 | 0.16 | \$800,000 |
| Vancouver Lookout | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.16 | 0.16 | 0.16 | 0.16 | 0.16 | \$800,000 |
| Veteran's Woods | 1.19 | 1.19 | 1.19 | 1.19 | 1.19 | 1.19 | 1.19 | 1.19 | 1.19 | 1.19 | 4.70 | 4.70 | 4.70 | 4.70 | 4.70 | \$800,000 |
| Victoria Woods | 3.21 | 3.21 | 3.21 | 3.21 | 3.21 | 3.21 | 3.21 | 3.21 | 3.21 | 3.21 | 3.21 | 3.21 | 3.21 | 3.21 | 3.21 | \$800,000 |
| Walnut Crescent Park | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 | 0.76 | 0.76 | 0.76 | 0.76 | 0.76 | \$800,000 |
| Wessenger Park | 0.58 | 0.58 | 0.58 | 0.58 | 0.58 | 0.58 | 0.58 | 0.58 | 0.58 | 0.58 | 0.58 | 0.58 | 0.58 | 0.58 | 0.58 | \$800,000 |
| Wilkin's Beach | 0.76 | 0.76 | 0.76 | 0.76 | 0.76 | 0.76 | 0.76 | 0.76 | 0.76 | 0.76 | 0.76 | 0.76 | 0.76 | 0.76 | 0.76 | \$800,000 |
| Willoughby Park | 1.92 | 1.92 | 1.92 | 1.92 | 1.92 | 1.92 | 1.92 | 1.92 | 1.92 | 1.92 | 5.30 | 5.30 | 5.30 | 5.30 | 5.30 | \$800,000 |



CITY OF BARRIE INVENTORY OF CAPITAL ASSETS PARKS AND RECREATION PARKLAND

| DEVELOPED PARKLAND | | | | | | | | # of Hectare | S | | | | | | | UNIT COST ¹ |
|--|----------------|-------------|------------|--------|--------|--------|--------|--------------|--------|--------|--------|--------|--------|--------|--------|------------------------|
| Park Name | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | (\$/ha) |
| Village Squares | | | | | | | | | | | | | | | | 11, |
| Pending Development Per Park | - | - | - | - | - | - | = | = | - | - | 0.30 | 0.30 | 0.30 | 0.30 | 0.30 | \$2,200,000 |
| Meridian Square | - | - | - | - | = | - | = | - | - | - | - | 0.47 | 0.47 | 0.47 | 0.47 | \$2,200,000 |
| Environmentally Protected Open Space and | Natural Herita | ge System W | ith Trails | | | | | | | | | | | | | |
| Ardagh Bluffs | 119.00 | 119.00 | 119.00 | 119.00 | 119.00 | 119.00 | 119.00 | 119.00 | 119.00 | 119.00 | 119.00 | 119.00 | 119.00 | 119.00 | 119.00 | \$82,000 |
| Ardagh Bluffs East | 4.84 | 4.84 | 4.84 | 4.84 | 4.84 | 4.84 | 4.84 | 4.84 | 4.84 | 4.84 | 4.84 | 4.84 | 4.84 | 4.84 | 4.84 | \$82,000 |
| Ardagh Bluffs South | 2.30 | 2.30 | 2.30 | 2.30 | 2.30 | 2.30 | 2.30 | 2.30 | 2.30 | 2.30 | 2.30 | 2.30 | 2.30 | 2.30 | 2.30 | \$82,000 |
| Ardagh Bluffs West | 69.09 | 69.09 | 69.09 | 69.09 | 69.09 | 69.09 | 69.09 | 69.09 | 69.09 | 69.09 | 69.09 | 69.09 | 69.09 | 69.09 | 69.09 | \$82,000 |
| Audrey Milligan Park | 3.58 | 3.58 | 3.58 | 3.58 | 3.58 | 3.58 | 3.58 | 3.58 | 3.58 | 3.58 | 3.58 | 3.58 | 3.58 | 3.58 | 3.58 | \$82,000 |
| Bayshore Ridge West | 1.44 | 1.44 | 1.44 | 1.44 | 1.44 | 1.44 | 1.44 | 1.44 | 1.44 | 1.44 | 1.44 | 1.44 | 1.44 | 1.44 | 1.44 | \$82,000 |
| Bear Creek Eco Park | 3.30 | 3.30 | 3.30 | 3.30 | 3.30 | 3.30 | 3.30 | 3.30 | 3.30 | 3.30 | 3.30 | 3.30 | 3.30 | 3.30 | 3.30 | \$82,000 |
| Brown's Bush | 2.02 | 2.02 | 2.02 | 2.02 | 2.02 | 2.02 | 2.02 | 2.02 | 2.02 | 2.02 | 2.02 | 2.02 | 2.02 | 2.02 | 2.02 | \$82,000 |
| Bunkers Creek Eco Park | 0.93 | 0.93 | 0.93 | 0.93 | 0.93 | 0.93 | 0.93 | 0.93 | 0.93 | 0.93 | 0.93 | 0.93 | 0.93 | 0.93 | 0.93 | \$82,000 |
| Dyments Pond | 1.68 | 1.68 | 1.68 | 1.68 | 1.68 | 1.68 | 1.68 | 1.68 | 1.68 | 1.68 | 1.68 | 1.68 | 1.68 | 1.68 | 1.68 | \$82,000 |
| Hewitts Creek East | 4.30 | 4.30 | 4.30 | 4.30 | 4.30 | 4.30 | 4.30 | 4.30 | 4.30 | 4.30 | 4.30 | 4.30 | 4.30 | 4.30 | 4.30 | \$82,000 |
| Hewitts Creek North | 17.59 | 17.59 | 17.59 | 17.59 | 17.59 | 17.59 | 17.59 | 17.59 | 17.59 | 17.59 | 17.59 | 17.59 | 17.59 | 17.59 | 17.59 | \$82,000 |
| Hewitts Creek Ravine | 12.47 | 12.47 | 12.47 | 12.47 | 12.47 | 12.47 | 12.47 | 12.47 | 12.47 | 12.47 | 12.47 | 12.47 | 12.47 | 12.47 | 12.47 | \$82,000 |
| Hewitts Creek South | 2.94 | 2.94 | 2.94 | 2.94 | 2.94 | 2.94 | 2.94 | 2.94 | 2.94 | 2.94 | 2.94 | 2.94 | 2.94 | 2.94 | 2.94 | \$82,000 |
| Lovers Creek Ravine Hurst | 5.30 | 5.30 | 5.30 | 5.30 | 5.30 | 5.30 | 5.30 | 5.30 | 5.30 | 5.30 | 5.30 | 5.30 | 5.30 | 5.30 | 5.30 | \$82,000 |
| Lovers Creek Ravine Tollendale | 7.38 | 7.38 | 7.38 | 7.38 | 7.38 | 7.38 | 7.38 | 7.38 | 7.38 | 7.38 | 7.38 | 7.38 | 7.38 | 7.38 | 7.38 | \$82,000 |
| Loyalist Woods | 9.14 | 9.14 | 9.14 | 9.14 | 9.14 | 9.14 | 9.14 | 9.14 | 9.14 | 9.14 | 9.14 | 9.14 | 9.14 | 9.14 | 9.14 | \$82,000 |
| Molson Centre Woods | 10.88 | 10.88 | 10.88 | 10.88 | 10.88 | 10.88 | 10.88 | 10.88 | 10.88 | 10.88 | 10.88 | 10.88 | 10.88 | 10.88 | 10.88 | \$82,000 |
| Renny Deboer's Woods | 6.30 | 6.30 | 6.30 | 6.30 | 6.30 | 6.30 | 6.30 | 6.30 | 6.30 | 6.30 | 6.30 | 6.30 | 6.30 | 6.30 | 6.30 | \$82,000 |
| Sandy Hollow Buffer | 100.64 | 100.64 | 100.64 | 100.64 | 100.64 | 100.64 | 100.64 | 100.64 | 100.64 | 100.64 | 100.64 | 100.64 | 100.64 | 100.64 | 100.64 | \$82,000 |
| Sandy Hollow Ravine | 26.32 | 26.32 | 26.32 | 26.32 | 26.32 | 26.32 | 26.32 | 26.32 | 26.32 | 26.32 | 26.32 | 26.32 | 26.32 | 26.32 | 26.32 | \$82,000 |
| Saunders Access | 0.67 | 0.67 | 0.67 | 0.67 | 0.67 | 0.67 | 0.67 | 0.67 | 0.67 | 0.67 | 0.67 | 0.67 | 0.67 | 0.67 | 0.67 | \$82,000 |
| Strabane Corridor North | 7.30 | 7.30 | 7.30 | 7.30 | 7.30 | 7.30 | 7.30 | 7.30 | 7.30 | 7.30 | 7.30 | 7.30 | 7.30 | 7.30 | 7.30 | \$82,000 |
| Strabane Corridor South | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | \$82,000 |
| Sunnidale Natural Area | 35.76 | 35.76 | 35.76 | 35.76 | 35.76 | 35.76 | 35.76 | 35.76 | 35.76 | 35.76 | 35.76 | 35.76 | 35.76 | 35.76 | 35.76 | \$82,000 |
| Walnut Crescent | 0.76 | 0.76 | 0.76 | 0.76 | 0.76 | 0.76 | 0.76 | 0.76 | 0.76 | 0.76 | 0.76 | 0.76 | 0.76 | 0.76 | 0.76 | \$82,000 |
| Whiskey Creek Walk | 8.30 | 8.30 | 8.30 | 8.30 | 8.30 | 8.30 | 8.30 | 8.30 | 8.30 | 8.30 | 8.30 | 8.30 | 8.30 | 8.30 | 8.30 | \$82,000 |



CITY OF BARRIE INVENTORY OF CAPITAL ASSETS PARKS AND RECREATION PARKLAND

| DEVELOPED PARKLAND | | | | | | | | # of Hectare | s | | | | | | | UNIT COST ¹ |
|--|------------------|--------------|-----------------|------|------|------|------|--------------|------|------|------|------|------|------|------|------------------------|
| Park Name | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | (\$/ha) |
| Environmentally Protected Open Space and | d Natural Herita | ge System (E | xcluding Trails | () | | | | | | | | | | | | |
| Anne St N Buffer | 0.42 | 0.42 | 0.42 | 0.42 | 0.42 | 0.42 | 0.42 | 0.42 | 0.42 | 0.42 | 0.42 | 0.42 | 0.42 | 0.42 | 0.42 | \$15,000 |
| Anne St Natural Area | 0.49 | 0.49 | 0.49 | 0.49 | 0.49 | 0.49 | 0.49 | 0.49 | 0.49 | 0.49 | 0.49 | 0.49 | 0.49 | 0.49 | 0.49 | \$15,000 |
| Austen Ravine East | 0.35 | 0.35 | 0.35 | 0.35 | 0.35 | 0.35 | 0.35 | 0.35 | 0.35 | 0.35 | 0.35 | 0.35 | 0.35 | 0.35 | 0.35 | \$15,000 |
| Austen Ravine West | 2.18 | 2.18 | 2.18 | 2.18 | 2.18 | 2.18 | 2.18 | 2.18 | 2.18 | 2.18 | 2.18 | 2.18 | 2.18 | 2.18 | 2.18 | \$15,000 |
| Bayshore Ridge Buffer | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | 0.08 | \$15,000 |
| Bayshore Ridge East | 2.72 | 2.72 | 2.72 | 2.72 | 2.72 | 2.72 | 2.72 | 2.72 | 2.72 | 2.72 | 2.72 | 2.72 | 2.72 | 2.72 | 2.72 | \$15,000 |
| Bayview East Natural Area | 2.02 | 2.02 | 2.02 | 2.02 | 2.02 | 2.02 | 2.02 | 2.02 | 2.02 | 2.02 | 2.02 | 2.02 | 2.02 | 2.02 | 2.02 | \$15,000 |
| Bayview West Natural Area | 8.58 | 8.58 | 8.58 | 8.58 | 8.58 | 8.58 | 8.58 | 8.58 | 8.58 | 8.58 | 8.58 | 8.58 | 8.58 | 8.58 | 8.58 | \$15,000 |
| Bayview Woods East | 6.85 | 6.85 | 6.85 | 6.85 | 6.85 | 6.85 | 6.85 | 6.85 | 6.85 | 6.85 | 6.85 | 6.85 | 6.85 | 6.85 | 6.85 | \$15,000 |
| Bayview Woods West | 2.75 | 2.75 | 2.75 | 2.75 | 2.75 | 2.75 | 2.75 | 2.75 | 2.75 | 2.75 | 2.75 | 2.75 | 2.75 | 2.75 | 2.75 | \$15,000 |
| Bear Creek Corridor | 3.50 | 3.50 | 3.50 | 3.50 | 3.50 | 3.50 | 3.50 | 3.50 | 3.50 | 3.50 | 3.50 | 3.50 | 3.50 | 3.50 | 3.50 | \$15,000 |
| Benson Natural Area | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | \$15,000 |
| Brunton Parcel | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | \$15,000 |
| Bunkers West | 0.12 | 0.12 | 0.12 | 0.12 | 0.12 | 0.12 | 0.12 | 0.12 | 0.12 | 0.12 | 0.12 | 0.12 | 0.12 | 0.12 | 0.12 | \$15,000 |
| Camelot Woods | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | \$15,000 |
| Cloughley Woods | 0.31 | 0.31 | 0.31 | 0.31 | 0.31 | 0.31 | 0.31 | 0.31 | 0.31 | 0.31 | 0.31 | 0.31 | 0.31 | 0.31 | 0.31 | \$15,000 |
| Cumberland Natural Area | 0.41 | 0.41 | 0.41 | 0.41 | 0.41 | 0.41 | 0.41 | 0.41 | 0.41 | 0.41 | 0.41 | 0.41 | 0.41 | 0.41 | 0.41 | \$15,000 |
| Dock Road Buffer East | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | \$15,000 |
| Dock Road Buffer West | 0.49 | 0.49 | 0.49 | 0.49 | 0.49 | 0.49 | 0.49 | 0.49 | 0.49 | 0.49 | 0.49 | 0.49 | 0.49 | 0.49 | 0.49 | \$15,000 |
| Dock Road Park South | 0.48 | 0.48 | 0.48 | 0.48 | 0.48 | 0.48 | 0.48 | 0.48 | 0.48 | 0.48 | 0.48 | 0.48 | 0.48 | 0.48 | 0.48 | \$15,000 |
| Dyments Creek East Innisfil St | 1.01 | 1.01 | 1.01 | 1.01 | 1.01 | 1.01 | 1.01 | 1.01 | 1.01 | 1.01 | 1.01 | 1.01 | 1.01 | 1.01 | 1.01 | \$15,000 |
| Dyments Creek East John St | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | 0.38 | \$15,000 |
| Dyments Creek South | 8.44 | 8.44 | 8.44 | 8.44 | 8.44 | 8.44 | 8.44 | 8.44 | 8.44 | 8.44 | 8.44 | 8.44 | 8.44 | 8.44 | 8.44 | \$15,000 |
| Dyments Creek West Anne | 1.97 | 1.97 | 1.97 | 1.97 | 1.97 | 1.97 | 1.97 | 1.97 | 1.97 | 1.97 | 1.97 | 1.97 | 1.97 | 1.97 | 1.97 | \$15,000 |
| Dyments Creek West George | 0.34 | 0.34 | 0.34 | 0.34 | 0.34 | 0.34 | 0.34 | 0.34 | 0.34 | 0.34 | 0.34 | 0.34 | 0.34 | 0.34 | 0.34 | \$15,000 |
| Dyments Creek West Victoria | 1.56 | 1.56 | 1.56 | 1.56 | 1.56 | 1.56 | 1.56 | 1.56 | 1.56 | 1.56 | 1.56 | 1.56 | 1.56 | 1.56 | 1.56 | \$15,000 |
| Eccles Natural Area | 1.21 | 1.21 | 1.21 | 1.21 | 1.21 | 1.21 | 1.21 | 1.21 | 1.21 | 1.21 | 1.21 | 1.21 | 1.21 | 1.21 | 1.21 | \$15,000 |
| Edgehill Open Space | 0.12 | 0.12 | 0.12 | 0.12 | 0.12 | 0.12 | 0.12 | 0.12 | 0.12 | 0.12 | 0.12 | 0.12 | 0.12 | 0.12 | 0.12 | \$15,000 |
| Ellis Natural Area | 0.57 | 0.57 | 0.57 | 0.57 | 0.57 | 0.57 | 0.57 | 0.57 | 0.57 | 0.57 | 0.57 | 0.57 | 0.57 | 0.57 | 0.57 | \$15,000 |
| Essa (Future Development) | 0.60 | 0.60 | 0.60 | 0.60 | 0.60 | 0.60 | 0.60 | 0.60 | 0.60 | 0.60 | 0.60 | 0.60 | 0.60 | 0.60 | 0.60 | \$15,000 |
| Essa Open Space | 0.57 | 0.57 | 0.57 | 0.57 | 0.57 | 0.57 | 0.57 | 0.57 | 0.57 | 0.57 | 0.57 | 0.57 | 0.57 | 0.57 | 0.57 | \$15,000 |
| Garibaldi Lookout | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | \$15,000 |
| Georgian Fields 2 | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 | 0.07 | \$15,000 |
| Georgian Wetlands | 2.32 | 2.32 | 2.32 | 2.32 | 2.32 | 2.32 | 2.32 | 2.32 | 2.32 | 2.32 | 2.32 | 2.32 | 2.32 | 2.32 | 2.32 | \$15,000 |
| Grandforest Open Space | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | \$15,000 |
| Grove St Natural Area | 0.27 | 0.27 | 0.27 | 0.27 | 0.27 | 0.27 | 0.27 | 0.27 | 0.27 | 0.27 | 0.27 | 0.27 | 0.27 | 0.27 | 0.27 | \$15,000 |
| Hanmer Natural Area | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | \$15,000 |
| Harvie Road Greenbelt | 3.74 | 3.74 | 3.74 | 3.74 | 3.74 | 3.74 | 3.74 | 3.74 | 3.74 | 3.74 | 3.74 | 3.74 | 3.74 | 3.74 | 3.74 | \$15,000 |
| Hogan's Woods | 2.42 | 2.42 | 2.42 | 2.42 | 2.42 | 2.42 | 2.42 | 2.42 | 2.42 | 2.42 | 2.42 | 2.42 | 2.42 | 2.42 | 2.42 | \$15,000 |
| Hollywoods Ravine East | 4.80 | 4.80 | 4.80 | 4.80 | 4.80 | 4.80 | 4.80 | 4.80 | 4.80 | 4.80 | 4.80 | 4.80 | 4.80 | 4.80 | 4.80 | \$15,000 |
| Hollywoods Ravine South | 2.15 | 2.15 | 2.15 | 2.15 | 2.15 | 2.15 | 2.15 | 2.15 | 2.15 | 2.15 | 2.15 | 2.15 | 2.15 | 2.15 | 2.15 | \$15,000 |
| Hollywoods Ravine West | 8.49 | 8.49 | 8.49 | 8.49 | 8.49 | 8.49 | 8.49 | 8.49 | 8.49 | 8.49 | 8.49 | 8.49 | 8.49 | 8.49 | 8.49 | \$15,000 |
| Huronia Industrial Buffer South | 0.78 | 0.78 | 0.78 | 0.78 | 0.78 | 0.78 | 0.78 | 0.78 | 0.78 | 0.78 | 0.78 | 0.78 | 0.78 | 0.78 | 0.78 | \$15,000 |



CITY OF BARRIE INVENTORY OF CAPITAL ASSETS PARKS AND RECREATION PARKLAND

| DEVELOPED PARKLAND | ND # of Hectares | | | | | | | # of Hectare | es | | | | | | | UNIT COST ¹ |
|--|------------------|--------------|---------------|-------------|-------------|-------------|-------------|--------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|------------------------|
| Park Name | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | (\$/ha) |
| Environmentally Protected Open Space and | Natural Herit | age System (| Excluding Tra | ils) | | | | | | | | | | | | (ψ/ Πα/ |
| Huronia Natural Area | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | \$15,000 |
| Innisfil St Open Space | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | \$15,000 |
| Kozlov Open Space | 0.31 | 0.31 | 0.31 | 0.31 | 0.31 | 0.31 | 0.31 | 0.31 | 0.31 | 0.31 | 0.31 | 0.31 | 0.31 | 0.31 | 0.31 | \$15,000 |
| Lackies Bush East | 3.42 | 3.42 | 3.42 | 3.42 | 3.42 | 3.42 | 3.42 | 3.42 | 3.42 | 3.42 | 3.42 | 3.42 | 3.42 | 3.42 | 3.42 | \$15,000 |
| Lackies Bush West | 20.46 | 20.46 | 20.46 | 20.46 | 20.46 | 20.46 | 20.46 | 20.46 | 20.46 | 20.46 | 20.46 | 20.46 | 20.46 | 20.46 | 20.46 | \$15,000 |
| Little Lake Park East | 53.33 | 53.33 | 53.33 | 53.33 | 53.33 | 53.33 | 53.33 | 53.33 | 53.33 | 53.33 | 53.33 | 53.33 | 53.33 | 53.33 | 53.33 | \$15,000 |
| Little Lake Park North | 81.26 | 81.26 | 81.26 | 81.26 | 81.26 | 81.26 | 81.26 | 81.26 | 81.26 | 81.26 | 81.26 | 81.26 | 81.26 | 81.26 | 81.26 | \$15,000 |
| Little Lake Park North West | 119.74 | 119.74 | 119.74 | 119.74 | 119.74 | 119.74 | 119.74 | 119.74 | 119.74 | 119.74 | 119.74 | 119.74 | 119.74 | 119.74 | 119.74 | \$15,000 |
| Little Lake Park South | 17.91 | 17.91 | 17.91 | 17.91 | 17.91 | 17.91 | 17.91 | 17.91 | 17.91 | 17.91 | 17.91 | 17.91 | 17.91 | 17.91 | 17.91 | \$15,000 |
| Little Lake Park South West | 31.02 | 31.02 | 31.02 | 31.02 | 31.02 | 31.02 | 31.02 | 31.02 | 31.02 | 31.02 | 31.02 | 31.02 | 31.02 | 31.02 | 31.02 | \$15,000 |
| Lovers Creek Country Lane | 1.34 | 1.34 | 1.34 | 1.34 | 1.34 | 1.34 | 1.34 | 1.34 | 1.34 | 1.34 | 1.34 | 1.34 | 1.34 | 1.34 | 1.34 | \$15,000 |
| Lovers Creek Ravine | 2.98 | 2.98 | 2.98 | 2.98 | 2.98 | 2.98 | 2.98 | 2.98 | 2.98 | 2.98 | 2.98 | 2.98 | 2.98 | 2.98 | 2.98 | \$15,000 |
| Lovers Creek Ravine Chalmers | 32.16 | 32.16 | 32.16 | 32.16 | 32.16 | 32.16 | 32.16 | 32.16 | 32.16 | 32.16 | 32.16 | 32.16 | 32.16 | 32.16 | 32.16 | \$15,000 |
| Lovers Creek Ravine Huronia | 3.68 | 3.68 | 3.68 | 3.68 | 3.68 | 3.68 | 3.68 | 3.68 | 3.68 | 3.68 | 3.68 | 3.68 | 3.68 | 3.68 | 3.68 | \$15,000 |
| Lovers Creek Ravine Huronia | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | \$15,000 |
| Lovers Creek Ravine South | 15.29 | 15.29 | 15.29 | 15.29 | 15.29 | 15.29 | 15.29 | 15.29 | 15.29 | 15.29 | 15.29 | 15.29 | 15.29 | 15.29 | 15.29 | \$15,000 |
| Lovers Creek Ravine Yonge | 7.98 | 7.98 | 7.98 | 7.98 | 7.98 | 7.98 | 7.98 | 7.98 | 7.98 | 7.98 | 7.98 | 7.98 | 7.98 | 7.98 | 7.98 | \$15,000 |
| Mayfair Open Space | 0.12 | 0.12 | 0.12 | 0.12 | 0.12 | 0.12 | 0.12 | 0.12 | 0.12 | 0.12 | 0.12 | 0.12 | 0.12 | 0.12 | 0.12 | \$15,000 |
| Melinda Woods | 0.12 | 0.12 | 0.12 | 0.12 | 0.12 | 0.12 | 0.12 | 0.12 | 0.12 | 0.12 | 0.12 | 0.12 | 0.12 | 0.12 | 0.12 | \$15,000 |
| Minets Point Rd Natural Area | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.59 | 0.22 | 0.22 | 0.59 | 0.22 | 0.59 | 0.59 | 0.22 | 0.22 | 0.22 | \$15,000 |
| Northland Park Natural Area | 0.39 | 0.39 | 0.39 | 0.39 | 0.39 | 0.39 | 0.39 | 0.39 | 0.39 | 0.39 | 0.39 | 0.39 | 0.39 | 0.39 | 0.29 | \$15,000 |
| | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 | 0.29 | \$15,000 |
| Northview Tcp North | | | | | | | | | | | | | | | | |
| Osprey Ridge East | 4.41 | 4.41 | 4.41 | 4.41 | 4.41 | 4.41 | 4.41 | 4.41 | 4.41 | 4.41 | 4.41 | 4.41 | 4.41 | 4.41 | 4.41 | \$15,000 |
| Osprey Ridge West | 2.48 | 2.48 | 2.48 | 2.48 | 2.48 | 2.48 | 2.48 | 2.48 | 2.48 | 2.48 | 2.48 | 2.48 | 2.48 | 2.48 | 2.48 | \$15,000 |
| Parkdale Natural Area | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | \$15,000 |
| Patterson Place Natural Area | 5.14 | 5.14 | 5.14 | 5.14 | 5.14 | 5.14 | 5.14 | 5.14 | 5.14 | 5.14 | 5.14 | 5.14 | 5.14 | 5.14 | 5.14 | \$15,000 |
| Redfern Natural Area | 0.80 | 0.80 | 0.80 | 0.80 | 0.80 | 0.80 | 0.80 | 0.80 | 0.80 | 0.80 | 0.80 | 0.80 | 0.80 | 0.80 | 0.80 | \$15,000 |
| Riverwood Ravine | 3.67 | 3.67 | 3.67 | 3.67 | 3.67 | 3.67 | 3.67 | 3.67 | 3.67 | 3.67 | 3.67 | 3.67 | 3.67 | 3.67 | 3.67 | \$15,000 |
| Rotary Fish Habitat Island East | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | \$15,000 |
| Rotary Fish Habitat Island West | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | \$15,000 |
| Royal Oak Facility | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | \$15,000 |
| Shalom Natural Area | 17.98 | 17.98 | 17.98 | 17.98 | 17.98 | 17.98 | 17.98 | 17.98 | 17.98 | 17.98 | 17.98 | 17.98 | 17.98 | 17.98 | 17.98 | \$15,000 |
| Sophia Creek 1 | 0.32 | 0.32 | 0.32 | 0.32 | 0.32 | 0.32 | 0.32 | 0.32 | 0.32 | 0.32 | 0.32 | 0.32 | 0.32 | 0.32 | 0.32 | \$15,000 |
| Sophia Creek 2 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | \$15,000 |
| Sophia Creek 3 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | \$15,000 |
| Sophia Creek 4 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | 0.14 | \$15,000 |
| Sundew Corridor | 9.29 | 9.29 | 9.29 | 9.29 | 9.29 | 9.29 | 9.29 | 9.29 | 9.29 | 9.29 | 9.29 | 9.29 | 9.29 | 9.29 | 9.29 | \$15,000 |
| Sunnidale Buffer | 0.12 | 0.12 | 0.12 | 0.12 | 0.12 | 0.12 | 0.12 | 0.12 | 0.12 | 0.12 | 0.12 | 0.12 | 0.12 | 0.12 | 0.12 | \$15,000 |
| The Gables West | 3.11 | 3.11 | 3.11 | 3.11 | 3.11 | 3.11 | 3.11 | 3.11 | 3.11 | 3.11 | 3.11 | 3.11 | 3.11 | 3.11 | 3.11 | \$15,000 |
| Vine Crescent Natural Area | 3.39 | 3.39 | 3.39 | 3.39 | 3.39 | 3.39 | 3.39 | 3.39 | 3.39 | 3.39 | 3.39 | 3.39 | 3.39 | 3.39 | 3.39 | \$15,000 |
| Welham East Natural Area | 0.54 | 0.54 | 0.54 | 0.54 | 0.54 | 0.54 | 0.54 | 0.54 | 0.54 | 0.54 | 0.54 | 0.54 | 0.54 | 0.54 | 0.54 | \$15,000 |
| Welham Open Space | 1.66 | 1.66 | 1.66 | 1.66 | 1.66 | 1.66 | 1.66 | 1.66 | 1.66 | 1.66 | 1.66 | 1.66 | 1.66 | 1.66 | 1.66 | \$15,000 |
| Wilkins Beach Natural Area | 0.59 | 0.59 | 0.59 | 0.59 | 0.59 | 0.59 | 0.59 | 0.59 | 0.59 | 0.59 | 0.59 | 0.59 | 0.59 | 0.59 | 0.59 | \$15,000 |
| Woodcrest Ravine | 0.31 | 0.31 | 0.31 | 0.31 | 0.31 | 0.31 | 0.31 | 0.31 | 0.31 | 0.31 | 0.31 | 0.31 | 0.31 | 0.31 | 0.31 | \$15,000 |
| | | | | | | | | | | | | | | | | |
| Total (ha) | 1,246.33 | 1,246.33 | 1,246.33 | 1,249.55 | 1,255.18 | 1,253.14 | 1,255.99 | 1,270.73 | 1,270.61 | 1,270.73 | 1,330.61 | 1,331.08 | 1,331.08 | 1,331.08 | 1,331.08 | |
| Total (\$000) | \$215,319.9 | \$215,319.9 | \$215,319.9 | \$217,895.9 | \$222,399.9 | \$221,192.2 | \$223,047.9 | \$231,713.7 | \$231,642.7 | \$231,713.7 | \$276,539.5 | \$277,573.5 | \$277,573.5 | \$277,573.5 | \$277,573.5 | |

(1) Per hectare unit costs include the cost of park amenities



CITY OF BARRIE INVENTORY OF CAPITAL ASSETS PARKS AND RECREATION FLEET

| PARKS FLEET | | | | | | | | # of Vehicles | S | | | | | | | UNIT COST |
|-------------------------------|------------|------------|------------|------------|------------|------------|------------|---------------|------------|------------|------------|------------|------------|------------|------------|--------------|
| Vehicle Name | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | (\$/vehicle) |
| Light Duty Vehicles | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 17 | 17 | 17 | \$52,300 |
| Forestry Truck | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | \$426,500 |
| Truck with Crane | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | \$279,800 |
| Maintenance Truck c/w Crane | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | \$122,400 |
| Park Maintenance Vehicle | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | \$174,900 |
| Water Truck | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | \$102,300 |
| Tractor | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | \$98,200 |
| Larger Mover (15' cut) | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | \$189,700 |
| Mower, Bobcats, etc. | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | \$60,500 |
| One Ton Dump Truck | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | \$72,700 |
| All Terrain Vehicle | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | \$24,200 |
| Snowmobile | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | \$17,500 |
| Wood Chipper | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | \$74,000 |
| Electric Fork Lift | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | \$60,500 |
| Forestry Truck (mid size) | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | \$153,400 |
| Large Cub Van | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | \$83,400 |
| Mower 12' | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | \$87,500 |
| Skid Steer | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | \$157,400 |
| Utility Vehicle (gator style) | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | \$30,900 |
| Stumper | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | \$39,000 |
| Vacuum /Compactors | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | \$232,800 |
| Groomers (ball diamond) | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | \$33,600 |
| Light Duty Trucks | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | \$60,500 |
| 4 x 4/Plow | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | \$76,700 |
| Cube Van | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | \$83,400 |
| Fork Lift | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | \$61,900 |
| Ice Resurfacers | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | \$139,900 |
| Marina Boat | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | \$30,900 |
| Rentals | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | \$63,200 |
| Beach groomer | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | \$39,000 |
| GVD Overseeder 1275 | = | = | - | | - | - | - | - | = | - | - | 1 | 1 | 1 | 1 | \$28,900 |
| GLE Broadcast Spreader | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 | 1 | 1 | \$10,300 |
| Kubota Mulcher | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 | 1 | 1 | \$18,600 |
| | | | | | | | | | | | | | | | | |
| Total (#) | 103 | 103 | 103 | 103 | 103 | 103 | 103 | 103 | 103 | 103 | 103 | 106 | 105 | 105 | 105 | |
| Total (\$000) | \$ 8,751.2 | \$ 8,751.2 | \$ 8,751.2 | \$ 8,751.2 | \$ 8,751.2 | \$ 8,751.2 | \$ 8,751.2 | \$ 8,751.2 | \$ 8,751.2 | \$ 8,751.2 | \$ 8,751.2 | \$ 8,809.0 | \$ 8,756.7 | \$ 8,756.7 | \$ 8,756.7 | |

| PARKS EQUIPMENT | | | | | | | | | of Vehicle | s | | | | | | | UNIT COST |
|---|------|-------|----------|----------|----------|----------|----------|----------|------------|----------|----------|----------|----------|----------|----------|----------|-----------|
| Vehicle Name | 20 | 08 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | (\$/unit |
| Radio Towers (Shared with other services) | | 0.34 | 0.34 | 0.34 | 0.34 | 0.34 | 0.34 | 0.41 | 0.41 | 0.41 | 0.41 | 0.41 | 0.41 | 0.41 | 0.41 | 0.41 | \$754,800 |
| | | | | | | | | | | | | | | | | | |
| Total (#) | | 0.34 | 0.34 | 0.34 | 0.34 | 0.34 | 0.34 | 0.41 | 0.41 | 0.41 | 0.41 | 0.41 | 0.41 | 0.41 | 0.41 | 0.41 | |
| Total (\$000) | \$ 2 | 256.6 | \$ 256.6 | \$ 256.6 | \$ 256.6 | \$ 256.6 | \$ 256.6 | \$ 309.5 | \$ 309.5 | \$ 309.5 | \$ 309.5 | \$ 309.5 | \$ 309.5 | \$ 309.5 | \$ 309.5 | \$ 309.5 | |



CITY OF BARRIE CALCULATION OF SERVICE LEVELS PARKS AND RECREATION

| | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 |
|-----------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| Historical Population | 131,431 | 132,957 | 134,501 | 136,063 | 137,121 | 138,187 | 139,261 | 140,343 | 141,434 | 142,690 | 143,958 | 145,237 | 146,527 | 147,829 | 152,641 |

INVENTORY SUMMARY (\$000)

| Total (\$000) | \$660,892.2 | \$619,464.9 | \$623.595.6 | \$626.171.6 | \$630,675.6 | \$629,467.9 | \$631.961.9 | \$640,795.8 | \$640.616.8 | \$640,687.8 | \$686,128.6 | \$687,779.3 | \$687,727.0 | \$687,727.0 | \$687,727.0 |
|-------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Parks Equipment | \$256.6 | \$256.6 | \$256.6 | \$256.6 | \$256.6 | \$256.6 | \$309.5 | \$309.5 | \$309.5 | \$309.5 | \$309.5 | \$309.5 | \$309.5 | \$309.5 | \$309.5 |
| Parks Fleet | \$8,751.2 | \$8,751.2 | \$8,751.2 | \$8,751.2 | \$8,751.2 | \$8,751.2 | \$8,751.2 | \$8,751.2 | \$8,751.2 | \$8,751.2 | \$8,751.2 | \$8,809.0 | \$8,756.7 | \$8,756.7 | \$8,756.7 |
| Parkland | \$215,319.9 | \$215,319.9 | \$215,319.9 | \$217,895.9 | \$222,399.9 | \$221,192.2 | \$223,047.9 | \$231,713.7 | \$231,642.7 | \$231,713.7 | \$276,539.5 | \$277,573.5 | \$277,573.5 | \$277,573.5 | \$277,573.5 |
| Outdoor Buildings | \$16,261.8 | \$16,261.8 | \$16,261.8 | \$16,261.8 | \$16,261.8 | \$16,261.8 | \$16,847.2 | \$17,015.3 | \$17,015.3 | \$17,015.3 | \$17,630.3 | \$18,189.2 | \$18,189.2 | \$18,189.2 | \$18,189.2 |
| Indoor Recreation | \$420,302.7 | \$378,875.4 | \$383,006.1 | \$383,006.1 | \$383,006.1 | \$383,006.1 | \$383,006.1 | \$383,006.1 | \$382,898.2 | \$382,898.2 | \$382,898.2 | \$382,898.2 | \$382,898.2 | \$382,898.2 | \$382,898.2 |

SERVICE LEVEL (\$/capita)

Average Service

| | | | | | | | | | | | | | | | Level |
|------------|--|--|--|--|---|---|---|---|---|--|--|--|---|---|---|
| \$3,197.9 | \$2,849.6 | \$2,847.6 | \$2,814.9 | \$2,793.2 | \$2,771.7 | \$2,750.3 | \$2,729.1 | \$2,707.3 | \$2,683.4 | \$2,659.8 | \$2,636.4 | \$2,613.2 | \$2,590.1 | \$2,508.5 | \$2,743.52 |
| \$123.7 | \$122.3 | \$120.9 | \$119.5 | \$118.6 | \$117.7 | \$121.0 | \$121.2 | \$120.3 | \$119.2 | \$122.5 | \$125.2 | \$124.1 | \$123.0 | \$119.2 | \$121.24 |
| \$1,638.27 | \$1,619.47 | \$1,600.88 | \$1,601.43 | \$1,621.92 | \$1,600.67 | \$1,601.65 | \$1,651.05 | \$1,637.81 | \$1,623.90 | \$1,920.97 | \$1,911.18 | \$1,894.35 | \$1,877.67 | \$1,818.47 | \$1,707.98 |
| \$66.58 | \$65.82 | \$65.06 | \$64.32 | \$63.82 | \$63.33 | \$62.84 | \$62.36 | \$61.87 | \$61.33 | \$60.79 | \$60.65 | \$59.76 | \$59.24 | \$57.37 | \$62.34 |
| \$1.95 | \$1.93 | \$1.91 | \$1.89 | \$1.87 | \$1.86 | \$2.22 | \$2.21 | \$2.19 | \$2.17 | \$2.15 | \$2.13 | \$2.11 | \$2.09 | \$2.03 | \$2.05 |
| \$5,028.4 | \$4,659.1 | \$4,636.4 | \$4,602.1 | \$4,599.4 | \$4,555.2 | \$4,538.0 | \$4,565.9 | \$4,529.4 | \$4,490.1 | \$4,766.2 | \$4,735.6 | \$4,693.5 | \$4,652.2 | \$4,505.5 | \$4,637.13 |
| | \$123.7 \$1,638.27 \$66.58 \$1.95 | \$123.7 \$122.3 \$1,638.27 \$1,619.47 \$66.58 \$65.82 \$1.95 \$1.93 | \$123.7 \$122.3 \$120.9 \$1,638.27 \$1,619.47 \$1,600.88 \$66.58 \$65.82 \$65.06 \$1.95 \$1.93 \$1.91 | \$123.7 \$122.3 \$120.9 \$119.5 \$1,638.27 \$1,619.47 \$1,600.88 \$1,601.43 \$66.58 \$65.06 \$64.32 \$1.95 \$1.95 \$1.93 \$1.91 \$1.89 | \$123.7 \$122.3 \$120.9 \$119.5 \$118.6 \$1.638.27 \$1.638.27 \$1.609.8 \$1.601.43 \$1.621.92 \$66.58 \$65.82 \$65.06 \$64.32 \$63.82 \$1.95 \$1.93 \$1.91 \$1.89 \$1.89 \$1.87 | \$123.7 \$122.3 \$120.9 \$119.5 \$118.6 \$117.7 \$1,638.27 \$1,649.47 \$1,600.88 \$1,601.43 \$1,621.92 \$1,600.67 \$66.58 \$65.82 \$66.56 \$64.32 \$63.82 \$63.33 \$1.91 \$1.89 \$1.87 \$1.86 | \$123.7 \$122.3 \$120.9 \$119.5 \$118.6 \$117.7 \$121.0 \$1,638.27 \$1,619.47 \$1,600.88 \$1,601.43 \$1,621.92 \$1,600.67 \$1,601.65 \$66.58 \$65.82 \$65.06 \$64.32 \$63.82 \$63.33 \$62.24 \$1.95 \$1.93 \$1.91 \$1.89 \$1.87 \$1.86 \$2.22 | \$123.7 \$122.3 \$120.9 \$119.5 \$118.6 \$117.7 \$121.0 \$121.2 \$1,638.27 \$1,619.47 \$1,600.88 \$1,601.43 \$1,621.92 \$1,600.67 \$1,601.65 \$1,651.05 \$66.58 \$65.82 \$65.06 \$64.32 \$63.82 \$63.33 \$62.84 \$62.36 \$1.95 \$1.93 \$1.91 \$1.89 \$1.87 \$1.86 \$2.22 \$2.21 | \$123.7 \$122.3 \$120.9 \$119.5 \$118.6 \$117.7 \$121.0 \$121.2 \$120.3 \$1,638.27 \$1,619.47 \$1,600.88 \$1,601.43 \$1,621.92 \$1,600.67 \$1,601.65 \$1,651.05 \$1,637.81 \$166.58 \$65.82 \$65.06 \$64.32 \$63.82 \$63.33 \$62.84 \$62.36 \$61.87 \$1.95 \$1.93 \$1.91 \$1.89 \$1.87 \$1.86 \$222 \$2.21 \$2.19 | \$123.7 \$122.3 \$120.9 \$119.5 \$118.6 \$117.7 \$121.0 \$121.2 \$120.3 \$119.2 \$16,638.27 \$1,638.27 \$1,600.88 \$1,601.43 \$1,621.92 \$1,600.67 \$1,601.65 \$1,651.05 \$1,651.05 \$1,637.81 \$1,623.90 \$66.58 \$65.82 \$65.06 \$64.32 \$63.82 \$63.33 \$62.84 \$62.36 \$61.87 \$61.33 \$1.95 \$1.93 \$1.91 \$1.89 \$1.87 \$1.86 \$2.22 \$2.21 \$2.21 \$2.19 \$2.17 | \$123.7 \$122.3 \$120.9 \$119.5 \$118.6 \$117.7 \$121.0 \$121.2 \$120.3 \$119.2 \$122.5 \$1,638.27 \$1,638.27 \$1,600.88 \$1,601.43 \$1,621.92 \$1,600.67 \$1,601.65 \$1,651.05 \$1,651.05 \$1,637.81 \$1,623.90 \$1,920.97 \$1,665.8 \$65.82 \$65.06 \$64.32 \$63.32 \$63.33 \$62.84 \$62.36 \$61.87 \$61.33 \$60.79 \$1,990.97 | \$123.7 \$122.3 \$120.9 \$119.5 \$118.6 \$117.7 \$121.0 \$121.2 \$120.3 \$119.2 \$122.5 \$122.5 \$125.2 \$1638.27 \$1,638.27 \$1,600.88 \$1,601.43 \$1,621.92 \$1,600.67 \$1,601.65 \$1,651.05 \$1,637.81 \$1,623.90 \$1,920.97 \$1,911.18 \$66.58 \$65.82 \$65.82 \$65.06 \$64.32 \$63.82 \$63.82 \$63.33 \$62.84 \$62.36 \$61.87 \$61.33 \$60.79 \$60.65 \$1.95 \$1.95 \$1.93 \$1.91 \$1.89 \$1.87 \$1.86 \$2.22 \$2.21 \$2.21 \$2.19 \$2.17 \$2.15 \$2.13 | \$123.7 \$122.3 \$120.9 \$119.5 \$118.6 \$117.7 \$121.0 \$121.2 \$120.3 \$119.2 \$122.5 \$125.2 \$124.1 \$1,638.27 \$1,619.47 \$1,600.88 \$1,601.43 \$1,621.92 \$1,600.67 \$1,601.65 \$1,651.05 \$1,651.05 \$1,637.81 \$1,623.90 \$1,920.97 \$1,911.18 \$1,894.35 \$66.58 \$65.82 \$65.06 \$64.32 \$63.82 \$63.33 \$62.84 \$62.36 \$61.87 \$61.33 \$60.79 \$60.65 \$1,691.05 \$1,991.05 \$ | \$123.7 \$122.3 \$120.9 \$119.5 \$118.6 \$117.7 \$121.0 \$121.2 \$120.3 \$119.2 \$122.5 \$125.2 \$124.1 \$123.0 \$1638.27 \$1638.27 \$1,619.47 \$1,600.88 \$1,601.43 \$1,621.92 \$1,600.67 \$1,601.65 \$1,651.05 \$1,637.81 \$1,623.90 \$1,920.97 \$1,911.18 \$1,894.35 \$1,877.67 \$66.58 \$65.82 \$65.06 \$64.32 \$63.82 \$63.82 \$63.83 \$62.84 \$62.36 \$61.87 \$61.33 \$60.79 \$60.65 \$59.24 \$1.91 \$1.89 \$1.87 \$1.86 \$2.22 \$2.21 \$2.19 \$2.17 \$2.15 \$2.15 \$2.13 \$2.11 \$2.09 | \$123.7 \$122.3 \$120.9 \$119.5 \$118.6 \$117.7 \$121.0 \$121.2 \$120.3 \$119.2 \$122.5 \$125.2 \$124.1 \$123.0 \$119.2 \$1638.27 \$1619.47 \$1,600.88 \$1,601.43 \$1,621.92 \$1,600.67 \$1,601.65 \$1,651.05 \$1,651.05 \$1,652.90 \$1,920.97 \$1,911.18 \$1,894.35 \$1,877.67 \$1,818.47 \$1,660.88 \$65.82 \$65.06 \$64.32 \$63.82 \$63.33 \$62.84 \$62.36 \$61.87 \$61.33 \$60.79 \$60.65 \$59.76 \$59.76 \$59.74 \$7.37 \$1.95 \$1.95 \$1.95 \$1.93 \$1.91 \$1.89 \$1.87 \$1.86 \$2.22 \$2.21 \$2.19 \$2.17 \$2.15 \$2.13 \$2.11 \$2.09 \$2.03 |

CITY OF BARRIE
CALCULATION OF MAXIMUM ALLOWABLE FUNDING ENVELOPE
PARKS AND RECREATION

| 10-Year Funding Envelope Calculation | |
|---|---------------|
| 10 Year Average Service Level 2008 - 2022 | \$4,637.13 |
| Net Population Growth 2023 - 2032 | 54,830 |
| Maximum Allowable Funding Envelope | \$254,253,838 |



APPENDIX B.3 TABLE B.3-2

CITY OF BARRIE DEVELOPMENT-RELATED CAPITAL PROGRAM PARKS AND RECREATION

| | | | | | Gross | Gra | ints/ | | Net | Ineligib | le Cos | ts | Total | | | DC | Eligible Costs | |
|----------------|---|--------|--------|----------|------------|------|----------|----|------------|--------------|--------|------------|------------------|----|------------|----|----------------|-----------------|
| Project Descri | ription | Tin | ning | | Project | | es/Other | 1 | Municipal | Replacement | | placement | DC Eligible | | Available | | 2023- | ost-Period |
| | | | | <u> </u> | Cost | Reco | veries | | Cost | & BTE Shares | & E | BTE Shares | Costs | D | C Reserves | | 2032 | Benefit* |
| 0 PARKS AND R | RECREATION | | | | | | | | | | | | | | | | | |
| 3.1 Parklar | nd Development - Former Barrie | | | | | | | | | | | | | | | | | |
| 3.1.1 | Sandringham V (Craigmel) | 2023 - | - 2023 | \$ | 355,000 | \$ | - | \$ | 355,000 | 0% | \$ | - | \$ 355,000 | \$ | 355,000 | \$ | - | \$ - |
| 3.1.2 | Sandringham VI (Gilroy) | 2023 - | - 2023 | \$ | 170,704 | \$ | - | \$ | 170,704 | 0% | \$ | - | \$ 170,704 | \$ | 170,704 | \$ | - | \$ - |
| 3.1.3 | Sproule (Previn Court) | 2023 - | - 2023 | \$ | 757,000 | \$ | - | \$ | 757,000 | 0% | \$ | - | \$ 757,000 | \$ | 757,000 | \$ | - | \$ - |
| 3.1.4 | Play Court Construction and Replacement Program | 2023 - | - 2032 | \$ | 2,090,000 | \$ | - | \$ | 2,090,000 | 74% | \$ | 1,537,659 | \$ 552,341 | \$ | 552,341 | \$ | - | \$ - |
| 3.1.5 | Rectangular Sports Fields - Artificial Turf (1) | 2023 - | - 2041 | \$ | 2,960,000 | \$ | - | \$ | 2,960,000 | 0% | \$ | - | \$ 2,960,000 | \$ | 740,000 | \$ | 444,000 | \$ 1,776,00 |
| 3.1.6 | Lit Major Ball Diamond (4) | 2023 - | - 2041 | \$ | 3,664,000 | \$ | - | \$ | 3,664,000 | 0% | \$ | - | \$ 3,664,000 | \$ | 916,000 | \$ | 549,600 | \$ 2,198,40 |
| 3.1.7 | Unlit Multi-use Court (7) | 2023 - | - 2041 | \$ | 471,000 | \$ | - | \$ | 471,000 | 0% | \$ | - | \$ 471,000 | \$ | 117,750 | \$ | 70,650 | \$ 282,60 |
| 3.1.8 | Pickleball Court (4) | 2023 - | - 2041 | \$ | 700,000 | \$ | - | \$ | 700,000 | 0% | \$ | - | \$ 700,000 | \$ | 175,000 | \$ | 105,000 | \$ 420,00 |
| 3.1.9 | Splash Pad (2) | 2023 - | - 2041 | \$ | 750,000 | \$ | - | \$ | 750,000 | 0% | \$ | - | \$ 750,000 | \$ | 187,500 | \$ | 112,500 | \$ 450,00 |
| 3.1.10 | Skateboard Park - Major (2) | 2023 - | - 2041 | \$ | 908,000 | \$ | - | \$ | 908,000 | 0% | \$ | - | \$ 908,000 | \$ | 227,000 | \$ | 136,200 | \$ 544,80 |
| 3.1.11 | Painswick Park Rehabilitation | 2023 - | - 2023 | \$ | 1,900,000 | \$ | - | \$ | 1,900,000 | 74% | \$ | 1,397,872 | \$ 502,128 | \$ | 502,128 | \$ | - | \$ - |
| 3.1.12 | Heritage Park Redevelopment | 2024 - | - 2027 | \$ | 11,300,000 | \$ | - | \$ | 11,300,000 | 80% | \$ | 9,040,000 | \$ 2,260,000 | \$ | 2,260,000 | \$ | - | \$ - |
| 3.1.13 | Sam Cancilla Park Redevelopment | 2028 - | - 2032 | \$ | 2,510,000 | \$ | - | \$ | 2,510,000 | 50% | \$ | 1,255,000 | \$ 1,255,000 | \$ | - | \$ | 1,255,000 | \$ - |
| 3.1.14 | Johnson's Beach Redevelopment | 2028 - | - 2032 | \$ | 1,465,000 | \$ | - | \$ | 1,465,000 | 80% | \$ | 1,172,000 | \$ 293,000 | \$ | - | \$ | 293,000 | \$ - |
| 3.1.15 | Tyndale Park Redevelopment | 2028 - | - 2032 | \$ | 1,700,000 | \$ | - | \$ | 1,700,000 | 70% | \$ | 1,190,000 | \$ 510,000 | \$ | - | \$ | 510,000 | \$ - |
| | Subtotal Parkland Development - Former Barrie | | | \$ | 31,700,704 | \$ | - | \$ | 31,700,704 | | \$ | 15,592,531 | \$ 16,108,173 | \$ | 6,960,423 | \$ | 3,475,950 | \$ 5,671,80 |
| 3.2 Parklar | nd Development - Salem & Hewitt's Secondary Plan Areas | | | | | | | | | | | | | | | | | |
| 3.2.1 | Bullut Subdivision New Park Development - Hewitts Park 10H - Village Square | 2023 - | - 2023 | \$ | 111,700 | \$ | - | \$ | 111,700 | 0% | \$ | - | \$ 111,700 | \$ | 111,700 | \$ | - | \$ - |
| 3.2.2 | Rectangular Sports Fields - Lit (2) | 2023 - | - 2041 | \$ | 1,345,000 | \$ | - | \$ | 1,345,000 | 0% | \$ | - | \$ 1,345,000 | \$ | 336,250 | \$ | 201,750 | \$ 807,00 |
| 3.2.3 | Lit Major Ball Diamond (2) | 2023 - | - 2041 | \$ | 1,832,000 | \$ | - | \$ | 1,832,000 | 0% | \$ | - | \$ 1,832,000 | \$ | 458,000 | \$ | 274,800 | \$ 1,099,20 |
| 3.2.4 | Lit Tennis Court (4) | 2023 - | - 2041 | \$ | 700,000 | \$ | - | \$ | 700,000 | 0% | \$ | - | \$ 700,000 | \$ | 175,000 | \$ | 105,000 | \$ 420,00 |
| 3.2.5 | Unlit Multi-use Court (6) | 2023 - | - 2041 | \$ | 404,000 | \$ | - | \$ | 404,000 | 0% | \$ | - | \$ 404,000 | \$ | 101,000 | \$ | 60,600 | \$ 242,40 |
| 3.2.6 | Basketball Court (2) | 2023 - | - 2041 | \$ | 160,000 | \$ | - | \$ | 160,000 | 0% | \$ | - | \$ 160,000 | \$ | 40,000 | \$ | 24,000 | \$ 96,00 |
| 3.2.7 | Splash Pad (2) | 2023 - | - 2041 | \$ | 875,000 | \$ | - | \$ | 875,000 | 0% | \$ | - | \$ 875,000 | \$ | 218,750 | \$ | 131,250 | \$ 525,00 |
| 3.2.8 | Playground - Enhanced (2) | 2023 - | - 2041 | \$ | 1,040,000 | \$ | - | \$ | 1,040,000 | 0% | \$ | - | \$ 1,040,000 | \$ | 260,000 | \$ | 156,000 | \$ 624,00 |
| 3.2.9 | Playground - Standard (25) | 2023 - | - 2041 | \$ | 4,125,000 | \$ | - | \$ | 4,125,000 | 0% | \$ | _ | \$ 4,125,000 | \$ | 1,031,250 | \$ | 618,750 | \$ 2,475,00 |
| 3.2.10 | Skateboard Park - Major (2) | 2023 - | 2041 | \$ | 908,000 | \$ | - | \$ | 908,000 | 0% | \$ | - | \$ 908,000 | \$ | 227,000 | \$ | 136,200 | \$ 544,80 |
| | Subtotal Parkland Development - Salem & Hewitt's Secondary Plan Areas | | | \$ | 11,500,700 | \$ | - | \$ | 11,500,700 | | \$ | - | \$ 11,500,700 | \$ | 2,958,950 | \$ | 1,708,350 | \$ 6,833,40 |
| 3.3 Parklar | nd Development - Unidentified Location | | | | | | | | | | | | | | | | | |
| 3.3.1 | Rectangular Sports Fields - Artificial Turf (2) | 2023 - | - 2041 | \$ | 5,920,000 | \$ | - | \$ | 5,920,000 | 0% | \$ | - | \$ 5,920,000 | \$ | 592,000 | \$ | 592,000 | \$ 4,736,00 |
| 3.3.2 | Cricket Pitch (1) | 2023 - | - 2041 | \$ | 942,000 | \$ | - | \$ | 942,000 | 0% | \$ | - | \$ 942,000 | \$ | 94,200 | \$ | 94,200 | \$ 753,60 |
| 3.3.3 | Ball Diamonds (16) | 2023 - | - 2041 | \$ | 10,763,000 | \$ | - | \$ | 10,763,000 | 0% | \$ | - | \$ 10,763,000 | \$ | 1,076,300 | \$ | 1,076,300 | \$ 8,610,40 |
| 3.3.4 | Outdoor Sand Volleyball Court (4) | 2023 - | - 2041 | \$ | 54,000 | \$ | - | \$ | 54,000 | 0% | \$ | - | \$ 54,000 | \$ | 5,400 | \$ | 5,400 | \$ 43,20 |
| | Subtotal Parkland Development - Unidentified Location | | | \$ | 17,679,000 | \$ | - | \$ | 17,679,000 | | \$ | - | \$ 17,679,000 | \$ | 1,767,900 | \$ | 1,767,900 | \$ 14,143,20 |
| 3.4 Parklar | nd Development - Trails | | | | | | | | | | | | | | | | | |
| 3.4.1 | Off-Road & Hiking Trails -Former Municipal Boundary | 2023 - | 2041 | \$ | 13,577,185 | \$ | - | \$ | 13,577,185 | 40% | \$ | 5,430,874 | \$ 8,146,311 | \$ | - | \$ | 3,258,524 | \$ 4,887,78 |
| 3.4.2 | Off-Road & Hiking Trails -Salem & Hewitt's | 2023 - | - 2041 | \$ | 12,141,903 | \$ | - | \$ | 12,141,903 | 40% | \$ | 4,856,761 | \$ 7,285,142 | \$ | - | \$ | 2,914,057 | \$ 4,371,08 |
| 3.4.3 | Trail Bridges | 2023 - | 2041 | \$ | 13,344,812 | \$ | - | \$ | 13,344,812 | 40% | \$ | 5,337,925 | \$ 8,006,887 | \$ | - | \$ | 3,202,755 | \$ 4,804,13 |
| 3.4.4 | Trail Underpass | 2023 - | - 2041 | \$ | 6,698,311 | \$ | - | \$ | 6,698,311 | 40% | \$ | 2,679,324 | \$ 4,018,986 | \$ | - | \$ | 1,607,594 | \$ 2,411,39 |
| | Subtotal Parkland Development - Trails | I | | \$ | 45,762,210 | \$ | | \$ | 45,762,210 | | \$ | 18.304.884 | \$ 27,457,326 | Φ. | | \$ | 10.982.930 | \$ 16,474,39 |



APPENDIX B.3 TABLE B.3-2

CITY OF BARRIE DEVELOPMENT-RELATED CAPITAL PROGRAM PARKS AND RECREATION

| | | | | | Gross | Grants/ | | Net | Ineligib | le Cos | sts | | Total | | | DC | Eligible Costs | | |
|----------------|---|--------------|------------------|----------|----------------------------|----------------|-----|----------------------------|--------------|----------|------------|----------|----------------------------|----|------------|----|---------------------------|----|-------------|
| Project Desc | ription | Tir | ning | | Project | Subsidies/Othe | r | Municipal | Replacement | Re | eplacement | | DC Eligible | | Available | | 2023- | F | Post-Period |
| | | | | | Cost | Recoveries | | Cost | & BTE Shares | & | BTE Shares | | Costs | | C Reserves | | 2032 | | Benefit* |
| | | | | | | | | | | | | | | | | | | | |
| | ation Facilities - Salem & Hewitt's Secondary Plan Areas | | | | | _ | | | | | | | | _ | | | | | |
| 3.5.1 3.5.2 | Salem Community Centre New Building Development Hewitt's Community Centre New Building Development | 2026 2024 | - 2031 - 2027 | \$ | 139,020,000 185,250,000 | \$ - \$ - | \$ | 139,020,000 185,250,000 | 0% 0% | \$ | - | \$ | 139,020,000 185,250,000 | \$ | 15,374,222 | \$ | 139,020,000 96,658,708 | \$ | 73,217,070 |
| 3.5.2 | | 2024 | - 2021 | <u> </u> | | <u> </u> | - 3 | | U% | <u>ə</u> | | <u> </u> | | | | | | J | |
| | Subtotal Recreation Facilities - Salem & Hewitt's Secondary Plan Areas | | | \$ | 324,270,000 | \$ - | \$ | 324,270,000 | | \$ | - | \$ | 324,270,000 | \$ | 15,374,222 | \$ | 235,678,708 | \$ | 73,217,07 |
| 3.6 Parks | and Recreation Fleet - Former Barrie | | | | | | | | | | | | | | | | | | |
| 3.6.1 | Roll off Truck - Horticulture | 2023 | - 2023 | \$ | 100,000 | \$ - | \$ | 100,000 | 0% | \$ | - | \$ | 100,000 | \$ | 100,000 | \$ | - | \$ | - |
| 3.6.2 | Parks & Forestry Operations New Fleet to Service Growth | 2024 | - 2025 | \$ | 2,469,000 | \$ - | \$ | 2,469,000 | 0% | \$ | - | \$ | 2,469,000 | \$ | 2,469,000 | \$ | - | \$ | - |
| 3.6.3 | Mini-excavator | 2023 | - 2023 | \$ | 60,000 | \$ - | \$ | 60,000 | 0% | \$ | - | \$ | 60,000 | \$ | 60,000 | \$ | - | \$ | - |
| 3.6.4 | Trail Utility Vehicle - Trail inspections and maintenance | 2023 | - 2023 | \$ | 25,000 | \$ - | \$ | 25,000 | 0% | \$ | - | \$ | 25,000 | \$ | 25,000 | \$ | - | \$ | |
| 3.6.5 | Stump Grinder | 2023 | - 2023 | \$ | 85,000 | \$ - | \$ | 85,000 | 0% | \$ | - | \$ | 85,000 | \$ | 85,000 | \$ | - | \$ | - |
| 3.6.6 | 16' large area mower | 2023 | - 2023 | \$ | 125,000 | \$ - | \$ | 125,000 | 0% | \$ | - | \$ | 125,000 | \$ | 125,000 | \$ | - | \$ | - |
| 3.6.7 | 4x4 Pickup Trucks (5) | 2023 | - 2028 | \$ | 175,000 | \$ - | \$ | 175,000 | 0% | \$ | - | \$ | 175,000 | \$ | - | \$ | 175,000 | \$ | - |
| 3.6.8 | 4x4 crew cab Pickup Truck (5) | 2023 | - 2028 | \$ | 180,000 | \$ - | \$ | 180,000 | 0% | \$ | - | \$ | 180,000 | \$ | - | \$ | 180,000 | \$ | - |
| 3.6.9 | Landscape Trailers (10) | 2023 | - 2028 | \$ | 60,000 | \$ - | \$ | 60,000 | 0% | \$ | - | \$ | 60,000 | \$ | - | \$ | 60,000 | \$ | - |
| 3.6.10 | Spider Lift (compact unit) | 2025 | - 2025 | \$ | 60,000 | \$ - | \$ | 60,000 | 0% | \$ | - | \$ | 60,000 | \$ | - | \$ | 60,000 | \$ | - |
| 3.6.11 | Mid-sized Loader | 2024 | - 2024 | \$ | 125,000 | \$ - | \$ | 125,000 | 0% | \$ | - | \$ | 125,000 | \$ | - | \$ | 125,000 | \$ | - |
| 3.6.12 | Trail Compactor Unit | 2027 | - 2027 | \$ | 40,000 | \$ - | \$ | 40,000 | 0% | \$ | - | \$ | 40,000 | \$ | | \$ | 40,000 | \$ | |
| | Subtotal Parks and Recreation Fleet - Former Barrie | | | \$ | 3,504,000 | \$ - | \$ | 3,504,000 | | \$ | - | \$ | 3,504,000 | \$ | 2,864,000 | \$ | 640,000 | \$ | - |
| 3.7 Parks | and Recreation Fleet - Salem & Hewitt's Secondary Plan Areas | | | | | | | | | | | | | | | | | | |
| 3.7.1 | Ice Resurfacers (4) | 2023 | - 2028 | \$ | 416,000 | \$ - | \$ | 416,000 | 0% | \$ | - | \$ | 416,000 | \$ | 416,000 | \$ | - | \$ | - |
| 3.7.2 | Provision for Additional Parks Vehicles | 2023 | - 2032 | \$ | 900,000 | \$ - | \$ | 900,000 | 0% | \$ | - | \$ | 900,000 | \$ | 900,000 | \$ | - | \$ | - |
| | Subtotal Parks and Recreation Fleet - Salem & Hewitt's Secondary Plan Areas | | | \$ | 1,316,000 | \$ - | \$ | 1,316,000 | | \$ | - | \$ | 1,316,000 | \$ | 1,316,000 | \$ | - | \$ | - |
| TOTAL PARK | S AND RECREATION | | | \$ | 435,732,614 | \$ - | \$ | 435.732.614 | | \$ | 33.897.415 | \$ | 401.835.199 | \$ | 31.241.495 | \$ | 254.253.838 | \$ | 116.339.86 |

^{*}Development related costs to be considered for funding from other tools and/or future DC Studies.

| Residential Development Charge Calculation | | |
|---|------|---------------|
| Residential Share of 2023 - 2032 DC Eligible Costs | 100% | \$254,253,838 |
| 10-Year Growth in Population in New Units | | 57,051 |
| Unadjusted Development Charge Per Capita | | \$4,456.61 |
| Non-Residential Retail Development Charge Calculation | | |
| Non-Residential Share of 2023 - 2032 DC Eligible Costs | 0% | \$0 |
| 10-Year Growth in Square Metres | | 357,960 |
| Unadjusted Retail Development Charge Per Square Metre | | \$0.00 |
| Non-Residential Non-Retail Development Charge Calculation | | |
| Non-Residential Share of 2023 - 2032 DC Eligible Costs | 0% | \$0 |
| 10-Year Growth in Square Metres | | 1,004,870 |
| Unadjusted Non-Retail Development Charge Per Square Metre | | \$0.00 |





APPENDIX B.3 TABLE 3

CITY OF BARRIE CASHFLOW AND DETERMINATION OF DEVELOPMENT CHARGE PARKS AND RECREATION RESIDENTIAL DEVELOPMENT CHARGE (in \$000)

| PARKS AND RECREATION | 2023 | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | 2030 | 2031 | 2032 | TOTAL |
|---|-------------------------------------|---------------------------------------|---------------------------------------|---------------------------------------|---------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-----------------------------------|--|
| OPENING CASH BALANCE | \$31,241.5 | \$51,795.06 | \$45,245.85 | \$39,068.06 | \$9,392.94 | (\$21,244.61) | (\$21,265.54) | (\$20,347.11) | (\$18,583.31) | (\$15,907.34) | |
| 2023 - 2032 RESIDENTIAL FUNDING REQUIREMENTS - Prior Growth (Funding from DC Reserve Balance) - Parks And Recreation: Non Inflated - Parks And Recreation: Inflated | \$3,103.4 \$1,656.9 \$4,760.3 | \$6,566.6 \$25,946.6 \$33,163.5 | \$6,566.6 \$25,881.6 \$33,759.1 | \$5,332.1 \$48,991.6 \$57,648.7 | \$5,332.1 \$49,031.6 \$58,845.0 | \$923.6 \$25,238.5 \$28,885.0 | \$854.2 \$25,169.3 \$29,306.8 | \$854.2 \$25,169.3 \$29,892.9 | \$854.2 \$25,169.3 \$30,490.7 | \$854.2 \$1,999.3 \$3,410.3 | \$31,241.5 \$254,253.8 \$310,162.3 |
| NEW RESIDENTIAL DEVELOPMENT - Population Growth in New Units | 5,338 | 5,483 | 5,629 | 5,778 | 5,927 | 6,075 | 6,223 | 6,367 | 6,509 | 3,722 | 57,051 |
| REVENUE - DC Receipts: Inflated | \$23,885.7 | \$25,025.2 | \$26,205.4 | \$27,437.1 | \$28,707.5 | \$30,012.8 | \$31,358.9 | \$32,726.2 | \$34,125.2 | \$19,903.9 | \$279,387.8 |
| INTEREST - Interest on Opening Balance - Interest on In-year Transactions | \$1,093.5 \$334.7 | \$1,812.8 (\$223.8) | \$1,583.6 (\$207.7) | \$1,367.4 (\$830.8) | \$328.8 (\$828.8) | (\$1,168.5) \$19.7 | (\$1,169.6) \$35.9 | (\$1,119.1) \$49.6 | (\$1,022.1) \$63.6 | (\$874.9) \$288.6 | \$831.9 (\$1,299.0) |
| TOTAL REVENUE | \$25,313.9 | \$26,614.2 | \$27,581.3 | \$27,973.6 | \$28,207.5 | \$28,864.1 | \$30,225.2 | \$31,656.7 | \$33,166.7 | \$19,317.6 | \$278,920.8 |
| CLOSING CASH BALANCE | \$51,795.1 | \$45,245.9 | \$39,068.1 | \$9,392.9 | (\$21,244.6) | (\$21,265.5) | (\$20,347.1) | (\$18,583.3) | (\$15,907.3) | \$0.0 | |

2023 Adjusted Charge Per Capita \$4,474.65

| Allocation of Capital Program Residential Sector Non-Residential Sector | 100.0% 0.0% |
|---|----------------|
| Rates for 2023 | |
| Inflation Rate: | 2.0% |
| Interest Rate on Positive Balances | 3.5% |
| Interest Rate on Negative Balances | 5.5% |



Appendix B.4 Services Related to a Highway: Public Works



Services Related to a Highway: Public Works and Fleet

The City of Barrie Services Related to a Highways is divided into two major areas of responsibilities: Public Works and Fleet, and Roads. This section deals with the capital infrastructure of Services Related to a Highway: Public Works and Fleet. The following discusses the individual components included in the Services Related to a Highway: Public Works and Fleet service category. The analysis is set out in the tables which follow.

| Table B.4-1 | Historical Service Levels and Calculation of 15-Year Average Service Level |
|-------------|--|
| Table B.4-2 | 2023-2032 Development-Related Capital Forecast and Calculation of the Growth-Related Net Capital Costs |
| Table B.4-3 | Cash Flow Analysis |

A. 15-Year Historical Service Levels and Calculation of Maximum Allowable Funding Envelope

The 15-year historical inventory of capital assets for Public Works includes 195,960 square feet of building space with a replacement value of \$71.72 million. The 18.83 hectares of land associated with the Public Works buildings are valued at \$22.22 million, and the total of 211 fleet and equipment amounts to \$35.31 million.

The total replacement value of the Public Works capital infrastructure is estimated to be \$129.25 million. The 15-year historical average service level is \$630.23 per capita and employment and this, multiplied by the 10-year forecast net population and employment growth (73,289), results in a 10-year maximum allowable of \$46.19 million. Table 1 provides a summary of



the level of service and the calculation of the 10-year funding envelope from 2023 to 2032. The calculation of the maximum allowable funding envelope is summarized as follows:

10-Year Funding Envelope Calculation

| 15-Year Average Service Level (2008 – 2022) | \$630.23 |
|---|--------------|
| Net Pop. Growth (2023 – 2032) | 73,289 |
| Maximum Allowable Funding Envelope | \$46,188,926 |

B. Development-Related Capital Program

The Public Works development related capital program consists of buildings, fleet, and equipment capital. This includes South Operations Facility located in the Secondary Plan Area for \$121.25 million and a provision for new office space to house Public Works staff (1,000 sq.ft.) for \$780,000. Approximately, \$49.25 million has been removed from the South Operations Facility costs as a benefit to existing share and relates to the anticipated replacement of the RA Archer facility. Fleet acquisitions include growth-related roads, water and wastewater vehicles totaling \$6.31 million. Two new pieces of equipment are anticipated to be purchased in 2024 for winter maintenance, totaling \$285,000.

The gross capital program amounts to \$128.62 million with no grants or recoveries identified. The replacement share of the program is \$49.24 million and is removed from the DC eligible costs. The post-period benefit amounts to \$30.01 million and will be considered for recovery from other funding tools and/or future DC Background Studies. After these adjustments the total DC eligible capital program from 2023-2032 is \$46.19 million.

The costs are allocated 75.6%, or \$34.90 million, against residential development, 9.5%, or \$4.38 million, against non-residential retail development, and 15.0%, or \$6.91 million against non-residential non-retail



development. The allocation between residential and non-residential development is based on shares of forecasted growth. The resulting unadjusted development charge is \$611.69 per capita for residential, \$12.23 per square metre for retail, and \$6.88 per square metre for non-retail.

C. Cash Flow Analysis

After cash flow and reserve fund analysis, the residential calculated charge increases to \$635.19 per capita, the retail charge increases to \$12.60 per square metre, and the non-retail charge increases to \$7.25 per square metre for Public Works and Fleet. This is a reflection of the timing of the capital program and development charges revenues.

The following table summarizes the calculation of the Services Related to a Highway: Public Works and Fleet development charge:

| | | SERVICES REI | LATED TO A H | IIGHWAY: PUBLIC V | NORKS AND FLEET S | JMMARY | | | | |
|---------------|----------------|-----------------------|--------------|-------------------|--------------------------|-----------|----------------|---------------------|--|--|
| 15-year Hist. | 202 | 3 - 2032 | | Unadjusted | | | Adjusted | | | |
| Service Level | Development-Re | lated Capital Program | | Development Cha | Development Charge | | | | | |
| per pop & emp | Total | Net DC Recoverable | \$/capita | Retail \$/sq.m | Non-Retail\$/sq.m | \$/capita | Retail \$/sq.m | Non- Retail \$/sq.m | | |
| \$630.23 | \$128,625,000 | \$46,188,926 | \$611.69 | \$12.23 | \$6.88 | \$635.19 | \$12.60 | \$7.25 | | |
| | | | | | | | | | | |



CITY OF BARRIE INVENTORY OF CAPITAL ASSETS SERVICES RELATED TO A HIGHWAY: PUBLIC WORKS AND FLEET

| BUILDINGS | | | | | | | # of | f Square Feet | | | | | | | | UNIT COST |
|---|------------|------------|------------|------------|------------|------------|------------|---------------|------------|------------|------------|------------|------------|------------|------------|-------------|
| Facility Name | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | (\$/sq.ft.) |
| R.A. Archer Operations Centre | 126,271 | 126,271 | 126,271 | 126,271 | 126,271 | 126,271 | 126,271 | 126,271 | 126,271 | 126,271 | 126,271 | 126,271 | 126,271 | 126,271 | 126,271 | \$390 |
| Sand Dome | 5,759 | 5,759 | 5,759 | 5,759 | 5,759 | 5,759 | 5,759 | 5,759 | 5,759 | 5,759 | 5,759 | 5,759 | 5,759 | 5,759 | 5,759 | \$180 |
| Salt Shed | 8,331 | 8,331 | 8,331 | 8,331 | 8,331 | 8,331 | 8,331 | 8,331 | 8,331 | 8,331 | 8,331 | 8,331 | 8,331 | 8,331 | 8,331 | \$180 |
| Materials and Equipment Storage Building (Op. Centre) | 38,395 | 38,395 | 38,395 | 38,395 | 38,395 | 38,395 | 38,395 | 38,395 | 38,395 | 38,395 | 38,395 | 38,395 | 38,395 | 38,395 | 38,395 | \$170 |
| 70 Collier St. (Traffic & Engineering Share = 18%) | 17,201 | 17,201 | 17,201 | 17,201 | 17,201 | 17,201 | 17,201 | 17,201 | 17,201 | 17,201 | 17,201 | 17,201 | 17,201 | 17,201 | 17,201 | \$780 |
| | | | | | | | | | | | | | | | | |
| Total (sq.ft) | 195,957 | 195,957 | 195,957 | 195,957 | 195,957 | 195,957 | 195,957 | 195,957 | 195,957 | 195,957 | 195,957 | 195,957 | 195,957 | 195,957 | 195,957 | i |
| Total (\$000) | \$71,725.7 | \$71,725.7 | \$71,725.7 | \$71,725.7 | \$71,725.7 | \$71,725.7 | \$71,725.7 | \$71,725.7 | \$71,725.7 | \$71,725.7 | \$71,725.7 | \$71,725.7 | \$71,725.7 | \$71,725.7 | \$71,725.7 | i |

| LAND | | | | | | | # | of Hectares | | | | | | | | UNIT COST |
|---|------------|------------|------------|------------|------------|------------|------------|-------------|------------|------------|------------|------------|------------|------------|------------|-------------|
| Facility Name | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | (\$/ha) |
| R.A. Archer Operations Centre | 18.78 | 18.78 | 18.78 | 18.78 | 18.78 | 18.78 | 18.78 | 18.78 | 18.78 | 18.78 | 18.78 | 18.78 | 18.78 | 18.78 | 18.78 | \$1,180,000 |
| Sand Dome * | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | \$1,180,000 |
| Salt Shed * | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | \$1,180,000 |
| Materials and Equipment Storage Building (Op. Centre) * | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | \$1,180,000 |
| 70 Collier St. (Traffic & Engineering Share = 18%) | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | 0.04 | \$1,180,000 |
| | | | | | | | | | | | | | | | | |
| Total (ha) | 18.83 | 18.83 | 18.83 | 18.83 | 18.83 | 18.83 | 18.83 | 18.83 | 18.83 | 18.83 | 18.83 | 18.83 | 18.83 | 18.83 | 18.83 | |
| Total (\$000) | \$22,216.8 | \$22,216.8 | \$22,216.8 | \$22,216.8 | \$22,216.8 | \$22,216.8 | \$22,216.8 | \$22,216.8 | \$22,216.8 | \$22,216.8 | \$22,216.8 | \$22,216.8 | \$22,216.8 | \$22,216.8 | \$22,216.8 | |

^{*}Included in R.A. Archer Operations Centre HA



CITY OF BARRIE INVENTORY OF CAPITAL ASSETS SERVICES RELATED TO A HIGHWAY: PUBLIC WORKS AND FLEET

| FLEET & EQUIPMENT | | | | | | | # of Fleet a | ınd Small Equi | ipment | | | | | | | UNIT COST |
|--------------------------------------|------|------|------|------|------|------|--------------|----------------|--------|------|------|------|------|------|------|-----------|
| Description | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | (\$/unit) |
| Snow Plow Truck | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 | \$450,000 |
| Sander Truck S/A | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | \$355,000 |
| Leaf Vacuums | 1 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | \$52,000 |
| Snow Blowers | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | \$597,000 |
| Street Sweepers (mec) | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | \$513,000 |
| Grader | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | \$339,000 |
| Front End Loader | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | \$500,000 |
| Dump Trucks (1 Ton) | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | \$125,000 |
| Sidewalk Plow/Blowers | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | \$175,000 |
| Tractors | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | \$87,000 |
| Sewer Truck (repair) | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | \$161,000 |
| Rollers | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | \$42,000 |
| Aerial Truck | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | \$175,000 |
| Light Duty Vehicles | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | \$61,000 |
| Street Sweepers (vac) | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | \$826,000 |
| One Ton with U-Box and Crane | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | \$140,000 |
| One Ton Cube Van | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | \$83,000 |
| Fork Lift | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | \$52,000 |
| Sewer Flusher/vac. | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | \$700,000 |
| Gradall | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | \$348,000 |
| Skidd Steer (with attachments) | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | \$175,000 |
| Pickups 3/4 with snow plow (Traffic) | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | \$77,000 |
| Sidewalk Snow removal Units | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | \$175,000 |
| Snow Melter | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | \$787,000 |
| Sidewalk sweeper | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | \$63,000 |



CITY OF BARRIE INVENTORY OF CAPITAL ASSETS SERVICES RELATED TO A HIGHWAY: PUBLIC WORKS AND FLEET

| FLEET & EQUIPMENT | | | | | | | # of Fleet a | ınd Small Equ | uipment | | | | | | | UNIT COST |
|---|------------|------------|------------|------------|------------|------------|--------------|---------------|------------|------------|------------|------------|------------|------------|------------|-----------|
| Description | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | (\$/unit) |
| Stacker | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | \$141,000 |
| Mid-size sweeper | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | \$141,000 |
| Tractor(snow melter) | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | \$157,000 |
| Asphalt hot box | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | \$39,000 |
| Cart mounted traffic line painter | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | \$19,000 |
| Trailers | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | \$31,000 |
| Light Duty Trucks | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | \$61,000 |
| Trailers | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | \$7,000 |
| Light Duty | 49 | 49 | 49 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | \$61,000 |
| One Ton Service Trucks | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | \$115,000 |
| Backhoe | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | \$188,000 |
| Compressor | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | \$19,000 |
| Sewer/flusher vac | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | \$700,000 |
| Sewer/flusher vac trailer | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | \$128,000 |
| Trench trailer | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | \$23,000 |
| Large Service Truck | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | \$150,000 |
| Tandem Dump Truck | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | \$250,000 |
| Fork Lift | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | \$54,000 |
| Light Duty Trucks | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | \$61,000 |
| 4x4/Plow | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | \$77,000 |
| Large Mobile Generator | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | \$133,000 |
| Large Service Truck | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | \$157,000 |
| Utility Vehicle | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | \$19,000 |
| Weather Stations | | | | | | | | | | | | | | | | |
| Equipment | | | | | | | | | | | | | | | | |
| Radio Towers (Shared with other services) | 0.34 | 0.34 | 0.34 | 0.34 | 0.34 | 0.34 | 0.41 | 0.41 | 0.41 | 0.41 | 0.41 | 0.41 | 0.41 | 0.41 | 0.41 | \$755,000 |
| Total (#) | 211 | 211 | 210 | 211 | 211 | 211 | 211 | 211 | 211 | 211 | 211 | 211 | 211 | 211 | 211 | |
| Total (\$000) | \$35,249.7 | \$35,249.7 | \$35,197.7 | \$35,258.7 | \$35,258.7 | \$35,258.7 | \$35,311.6 | \$35,311.6 | \$35,311.6 | \$35,311.6 | \$35,311.6 | \$35,311.6 | \$35,311.6 | \$35,311.6 | \$35,311.6 | İ |



CITY OF BARRIE
CALCULATION OF SERVICE LEVELS
SERVICES RELATED TO A HIGHWAY: PUBLIC WORKS AND FLEET

| | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 |
|--|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| Historical Population | 131,431 | 132,957 | 134,501 | 136,063 | 137,121 | 138,187 | 139,261 | 140,343 | 141,434 | 142,690 | 143,958 | 145,237 | 146,527 | 147,829 | 152,641 |
| Historical Employment | 61,563 | 62,217 | 62,892 | 63,590 | 64,392 | 65,205 | 66,030 | 66,866 | 67,715 | 69,210 | 70,730 | 72,730 | 53,890 | 57,330 | 65,310 |
| Total Historical Population & Employment | 192,994 | 195,174 | 197,393 | 199,653 | 201,513 | 203,392 | 205,291 | 207,209 | 209,149 | 211,900 | 214,688 | 217,967 | 200,417 | 205,159 | 217,951 |

INVENTORY SUMMARY (\$000)

| Buildings | \$71,725.7 | \$71,725.7 | \$71,725.7 | \$71,725.7 | | | \$71,725.7 | . , | \$71,725.7 | | . , | \$71,725.7 | | \$71,725.7 | \$71,725.7 |
|-------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Land | \$22,216.8 | \$22,216.8 | \$22,216.8 | \$22,216.8 | \$22,216.8 | \$22,216.8 | \$22,216.8 | \$22,216.8 | \$22,216.8 | \$22,216.8 | \$22,216.8 | \$22,216.8 | \$22,216.8 | \$22,216.8 | \$22,216.8 |
| Fleet & Equipment | \$35,249.7 | \$35,249.7 | \$35,197.7 | \$35,258.7 | \$35,258.7 | \$35,258.7 | \$35,311.6 | \$35,311.6 | \$35,311.6 | \$35,311.6 | \$35,311.6 | \$35,311.6 | \$35,311.6 | \$35,311.6 | \$35,311.6 |
| Total (\$000) | \$129,192.2 | \$129,192.2 | \$129,140.2 | \$129,201.2 | \$129,201.2 | \$129,201.2 | \$129,254.0 | \$129,254.0 | \$129,254.0 | \$129,254.0 | \$129,254.0 | \$129,254.0 | \$129,254.0 | \$129,254.0 | \$129,254.0 |

SERVICE LEVEL (\$/capita)

Average Service Level

| | | | | | | | | | | | | | | | | Level |
|-------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Buildings | \$371.65 | \$367.50 | \$363.36 | \$359.25 | \$355.94 | \$352.65 | \$349.39 | \$346.15 | \$342.94 | \$338.49 | \$334.09 | \$329.07 | \$357.88 | \$349.61 | \$329.09 | \$349.80 |
| Land | \$115.12 | \$113.83 | \$112.55 | \$111.28 | \$110.25 | \$109.23 | \$108.22 | \$107.22 | \$106.22 | \$104.85 | \$103.48 | \$101.93 | \$110.85 | \$108.29 | \$101.93 | \$108.35 |
| Fleet & Equipment | \$182.65 | \$180.61 | \$178.31 | \$176.60 | \$174.97 | \$173.35 | \$172.01 | \$170.42 | \$168.83 | \$166.64 | \$164.48 | \$162.00 | \$176.19 | \$172.12 | \$162.02 | \$172.08 |
| Total (\$/capita) | \$669.41 | \$661.93 | \$654.23 | \$647.13 | \$641.16 | \$635.23 | \$629.61 | \$623.79 | \$618.00 | \$609.98 | \$602.06 | \$593.00 | \$644.93 | \$630.02 | \$593.04 | \$630.23 |

CITY OF BARRIE
CALCULATION OF MAXIMUM ALLOWABLE FUNDING ENVELOPE
SERVICES RELATED TO A HIGHWAY: PUBLIC WORKS AND FLEET

| 10-Year Funding Envelope Calculation | |
|--|--------------|
| 10 Year Average Service Level 2008 - 2022 | \$630.23 |
| Net Population & Employment Growth 2023 - 2032 | 73,289 |
| Maximum Allowable Funding Envelope | \$46,188,926 |



APPENDIX B.4 TABLE B.4-2

CITY OF BARRIE DEVELOPMENT-RELATED CAPITAL PROGRAM SERVICES RELATED TO A HIGHWAY: PUBLIC WORKS AND FLEET

| | | | | G | Gross | Grant | ts/ | Net | Ineligible Costs | | Total | | | DC Eligible Costs | | | | |
|-----------------|--|------|--------|-------|------------|-----------|-------|-------------------|------------------|----|------------|------------------|----|-------------------|----|------------|----|------------|
| Project Desc | cription | Tir | ning | | roject | Subsidies | | Municipal | Replacement | | eplacement | OC Eligible | | Available | | 2023- | l | ost-Period |
| | | | | | Cost | Recove | eries | Cost | & BTE Shares | & | BTE Shares | Costs | D | C Reserves | | 2032 | | Benefit* |
| 4.0 SERVICES RE | ELATED TO A HIGHWAY: PUBLIC WORKS AND FLEET | | | | | | | | | | | | | | | | | |
| 4.1 Buildin | gs | | | | | | | | | | | | | | | | | |
| 4.1.1 | South Operations Facility (Secondary Plan Area) | 2025 | - 2028 | \$ 1 | 21,250,000 | \$ | - | \$ 121,250,000 | 41% | \$ | 49,245,811 | \$ 72,004,189 | \$ | - | \$ | 41,990,591 | \$ | 30,013,597 |
| 4.1.2 | Provision for New Office Space - PW Staff (1,000 sq.ft.) | 2025 | - 2028 | \$ | 780,000 | \$ | - | \$ 780,000 | 0% | \$ | - | \$ 780,000 | \$ | - | \$ | 780,000 | \$ | - |
| | Subtotal Buildings | | | \$ 1 | 22,030,000 | \$ | - | \$ 122,030,000 | | \$ | 49,245,811 | \$ 72,784,189 | \$ | - | \$ | 42,770,591 | \$ | 30,013,597 |
| 4.2 Fleet | | | | | | | | | | | | | | | | | | |
| 4.2.1 | Growth-Related Fleet (Former Barrie) | 2023 | - 2032 | \$ | 1,600,000 | \$ | - | \$ 1,600,000 | 0% | \$ | - | \$ 1,600,000 | \$ | 1,600,000 | \$ | - | \$ | - |
| 4.2.2 | Growth-Related Fleet (Secondary Plan Area) | 2023 | - 2032 | \$ | 1,377,000 | \$ | - | \$ 1,377,000 | 0% | \$ | - | \$ 1,377,000 | \$ | 543,665 | \$ | 833,335 | \$ | - |
| 4.2.3 | Roads Operations New Fleet to Service Growth | 2024 | - 2024 | \$ | 1,500,000 | \$ | - | \$ 1,500,000 | 0% | \$ | - | \$ 1,500,000 | \$ | - | \$ | 1,500,000 | \$ | - |
| Waste | water Fleet | | | | | | | | | | | | | | \$ | - | | |
| 4.2.4 | Growth-Related Fleet Wastewater | 2023 | - 2032 | \$ | 100,000 | \$ | - | \$ 100,000 | 0% | \$ | - | \$ 100,000 | \$ | - | \$ | 100,000 | \$ | - |
| 4.2.5 | New Vacuum Truck - Wastewater | 2025 | - 2025 | \$ | 700,000 | \$ | - | \$ 700,000 | 0% | \$ | - | \$ 700,000 | \$ | - | \$ | 700,000 | \$ | - |
| Water | Fleet | | | | | | | | | | | | | | | | | |
| 4.2.6 | Growth-Related Fleet Water | 2023 | - 2023 | \$ | 1,033,000 | \$ | - | \$ 1,033,000 | 0% | \$ | - | \$ 1,033,000 | \$ | 1,033,000 | \$ | - | \$ | - |
| | Subtotal Fleet | | | \$ | 6,310,000 | \$ | - | \$ 6,310,000 | | \$ | - | \$ 6,310,000 | \$ | 3,176,665 | \$ | 3,133,335 | \$ | - |
| 4.3 Equipm | nent | | | | | | | | | | | | | | | | | |
| 4.3.1 | Downtown Winter Control Intersection Clearing Equipment New Purchase | 2024 | | \$ | 50,000 | \$ | - | \$ 50,000 | 0% | \$ | - | \$ 50,000 | \$ | - | \$ | 50,000 | \$ | - |
| 4.3.2 | New Front End Loader for Downtown Winter Maintenance and Equipment | 2024 | - 2024 | \$ | 235,000 | \$ | - | \$ 235,000 | 0% | \$ | - | \$ 235,000 | \$ | - | \$ | 235,000 | \$ | - |
| | Subtotal Equipment | | | \$ | 285,000 | \$ | - | \$ 285,000 | | \$ | - | \$ 285,000 | \$ | - | \$ | 285,000 | \$ | - |
| TOTAL SERV | ICES RELATED TO A HIGHWAY: PUBLIC WORKS AND FLEET | | | \$ 12 | 28,625,000 | \$ | - | \$ 128,625,000 | | \$ | 49,245,811 | \$ 79,379,189 | \$ | 3,176,665 | \$ | 46,188,926 | \$ | 30,013,597 |

^{*}Development related costs to be considered for funding from other tools and/or future DC Studies.

| Residential Development Charge Calculation | | |
|---|-------|--------------|
| Residential Share of 2023 - 2032 DC Eligible Costs | 75.6% | \$34,897,688 |
| 10-Year Growth in Population in New Units | | 57,051 |
| Unadjusted Development Charge Per Capita | | \$611.69 |
| Non-Residential Retail Development Charge Calculation | | |
| Non-Residential Share of 2023 - 2032 DC Eligible Costs | 9.5% | \$4,379,109 |
| 10-Year Growth in Square Metres | | 357,960 |
| Unadjusted Retail Development Charge Per Square Metre | | \$12.23 |
| Non-Residential Non-Retail Development Charge Calculation | | |
| Non-Residential Share of 2023 - 2032 DC Eligible Costs | 15.0% | \$6,912,129 |
| 10-Year Growth in Square Metres | | 1,004,870 |
| Unadjusted Non-Retail Development Charge Per Square Metre | | \$6.88 |

| 2023 - 2032 Net Funding Envelope | \$46,188,926 |
|--|--------------|
| Reserve Fund Balance as at December 31st, 2022 | \$3,176,665 |



APPENDIX B.4 TABLE 3-1

CITY OF BARRIE CASHFLOW AND DETERMINATION OF DEVELOPMENT CHARGE SERVICES RELATED TO A HIGHWAY: PUBLIC WORKS AND FLEET RESIDENTIAL DEVELOPMENT CHARGE (in \$000)

| SERVICES RELATED TO A HIGHWAY: PUBLIC WORKS | 2023 | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | 2030 | 2031 | 2032 | TOTAL |
|---|--------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|------------------------------|------------------------------|------------------------------|------------------------------|---------------------------------------|
| OPENING CASH BALANCE | \$2,400.1 | \$4,903.41 | \$7,048.64 | \$1,667.41 | (\$3,334.84) | (\$8,574.82) | (\$14,097.48) | (\$10,609.84) | (\$6,738.22) | (\$2,457.03) | |
| 2023 - 2032 RESIDENTIAL FUNDING REQUIREMENTS - Prior Growth (Funding from DC Reserve Balance) - Services Related To A Highway: Public Works And Fleet - Services Related To A Highway: Public Works And Fleet | \$942.4 \$70.5 \$1,013.0 | \$162.0 \$1,419.2 \$1,612.7 | \$162.0 \$8,678.1 \$9,197.2 | \$162.0 \$8,149.3 \$8,819.9 | \$162.0 \$8,149.3 \$8,996.3 | \$162.0 \$8,149.3 \$9,176.3 | \$162.0 \$70.5 \$261.8 | \$162.0 \$70.5 \$267.0 | \$162.0 \$70.5 \$272.4 | \$162.0 \$70.5 \$277.8 | \$2,400.1 \$34,897.7 \$39,894.6 |
| NEW RESIDENTIAL DEVELOPMENT - Population Growth in New Units | 5,338 | 5,483 | 5,629 | 5,778 | 5,927 | 6,075 | 6,223 | 6,367 | 6,509 | 3,722 | 57,051 |
| REVENUE - DC Receipts: Inflated | \$3,390.6 | \$3,552.4 | \$3,719.9 | \$3,894.8 | \$4,075.1 | \$4,260.4 | \$4,451.5 | \$4,645.6 | \$4,844.2 | \$2,825.4 | \$39,660.0 |
| INTEREST - Interest on Opening Balance - Interest on In-year Transactions | \$84.0 \$41.6 | \$171.6 \$33.9 | \$246.7 (\$150.6) | \$58.4 (\$135.4) | (\$183.4) (\$135.3) | (\$471.6) (\$135.2) | (\$775.4) \$73.3 | (\$583.5) \$76.6 | (\$370.6) \$80.0 | (\$135.1) \$44.6 | (\$1,959.0) (\$206.5) |
| TOTAL REVENUE | \$3,516.3 | \$3,758.0 | \$3,816.0 | \$3,817.7 | \$3,756.4 | \$3,653.6 | \$3,749.4 | \$4,138.7 | \$4,553.6 | \$2,734.9 | \$37,494.5 |
| CLOSING CASH BALANCE | \$4,903.4 | \$7,048.6 | \$1,667.4 | (\$3,334.8) | (\$8,574.8) | (\$14,097.5) | (\$10,609.8) | (\$6,738.2) | (\$2,457.0) | (\$0.0) | |

2023 Adjusted Charge Per Capita \$635.19

| Allocation of Capital Program | |
|------------------------------------|-------|
| Residential Sector | 75.6% |
| Non-Residential Sector | 24.4% |
| | |
| Rates for 2023 | |
| Inflation Rate: | 2.0% |
| Interest Rate on Positive Balances | 3.5% |
| Interest Rate on Negative Balances | 5.5% |
| | |



APPENDIX B.4 TABLE 3-2

CITY OF BARRIE CASHFLOW AND DETERMINATION OF DEVELOPMENT CHARGE SERVICES RELATED TO A HIGHWAY: PUBLIC WORKS AND FLEET RETAIL NON-RESIDENTIAL DEVELOPMENT CHARGE (in \$000)

| SERVICES RELATED TO A HIGHWAY: PUBLIC WORKS | 2023 | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | 2030 | 2031 | 2032 | TOTAL |
|---|---------|----------|-----------|------------|-------------|--------------|--------------|--------------|--------------|------------|-----------|
| OPENING CASH BALANCE | \$301.2 | \$488.56 | \$644.50 | (\$129.55) | (\$827.44) | (\$1,525.79) | (\$2,223.50) | (\$1,751.65) | (\$1,212.66) | (\$602.39) | |
| 2023 - 2032 NON-RESIDENTIAL FUNDING REQUIREMEN' | TS | | | | | | | | | | |
| - Prior Growth (Funding from DC Reserve Balance) | \$118.3 | \$20.3 | \$20.3 | \$20.3 | \$20.3 | \$20.3 | \$20.3 | \$20.3 | \$20.3 | \$20.3 | \$301.2 |
| - Services Related To A Highway: Public Works And Fleet | \$8.8 | \$178.1 | \$1,089.0 | \$1,022.6 | \$1,022.6 | \$1,022.6 | \$8.8 | \$8.8 | \$8.8 | \$8.8 | \$4,379.1 |
| - Services Related To A Highway: Public Works And Fleet | \$127.1 | \$202.4 | \$1,154.1 | \$1,106.8 | \$1,128.9 | \$1,151.5 | \$32.9 | \$33.5 | \$34.2 | \$34.9 | \$5,006.1 |
| NON-RESIDENTIAL SPACE GROWTH | | | | | | | | | | | |
| - Growth in Square Metres | 24,230 | 26,920 | 29,610 | 32,300 | 35,000 | 37,690 | 40,380 | 43,070 | 45,760 | 43,000 | 357,960 |
| REVENUE | | | | | | | | | | | |
| - DC Receipts: Inflated | \$305.3 | \$346.0 | \$388.2 | \$432.0 | \$477.4 | \$524.4 | \$573.1 | \$623.5 | \$675.7 | \$647.6 | \$4,993.2 |
| INTEREST | | | | | | | | | | | |
| - Interest on Opening Balance | \$6.0 | \$9.8 | \$12.9 | (\$4.5) | (\$29.0) | (\$53.4) | (\$77.8) | (\$61.3) | (\$42.4) | (\$21.1) | (\$260.9) |
| - Interest on In-year Transactions | \$3.1 | \$2.5 | (\$21.1) | (\$18.6) | (\$17.9) | (\$17.2) | \$9.5 | \$10.3 | \$11.2 | \$10.7 | (\$27.4) |
| TOTAL REVENUE | \$314.5 | \$358.3 | \$380.1 | \$408.9 | \$430.6 | \$453.8 | \$504.7 | \$572.5 | \$644.4 | \$637.3 | \$4,705.0 |
| CLOSING CASH BALANCE | \$488.6 | \$644.5 | (\$129.6) | (\$827.4) | (\$1,525.8) | (\$2,223.5) | (\$1,751.6) | (\$1,212.7) | (\$602.4) | (\$0.0) | |
| CLOSING CASH BALANCE | \$488.6 | \$644.5 | (\$129.6) | (\$827.4) | (\$1,525.8) | (\$2,223.5) | (\$1,751.6) | (\$1,212.7) | (\$602.4) | (\$0.0) | |

2023 Adjusted Charge Per Square Metre \$12.60

| Allocation of Capital Program | |
|------------------------------------|-------|
| Residential Sector | 75.6% |
| Retail | 9.5% |
| Non-Retail | 15.0% |
| | |
| Rates for 2023 | |
| Inflation Rate | 2.0% |
| Interest Rate on Positive Balances | 3.5% |
| Interest Rate on Negative Balances | 5.5% |
| | |
| | |



APPENDIX B.4 TABLE 3-3

CITY OF BARRIE CASHFLOW AND DETERMINATION OF DEVELOPMENT CHARGE SERVICES RELATED TO A HIGHWAY: PUBLIC WORKS AND FLEET NON-RETAIL NON-RESIDENTIAL DEVELOPMENT CHARGE (in \$000)

| SERVICES RELATED TO A HIGHWAY: PUBLIC WORKS AND FLEET | 2023 | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | 2030 | 2031 | 2032 | TOTAL |
|---|---------|-----------|------------|-------------|--------------|--------------|--------------|--------------|--------------|------------|-----------|
| OPENING CASH BALANCE | \$475.4 | \$789.81 | \$1,062.01 | (\$113.34) | (\$1,183.76) | (\$2,273.68) | (\$3,382.16) | (\$2,681.28) | (\$1,860.22) | (\$909.53) | |
| 2023 - 2032 NON-RESIDENTIAL FUNDING REQUIREMENTS | | | | | | | | | | | |
| - Prior Growth (Funding from DC Reserve Balance) | \$186.7 | \$32.1 | \$32.1 | \$32.1 | \$32.1 | \$32.1 | \$32.1 | \$32.1 | \$32.1 | \$32.1 | \$475.4 |
| - Services Related To A Highway: Public Works And Fleet: Non Inflated | \$14.0 | \$281.1 | \$1,718.9 | \$1,614.1 | \$1,614.1 | \$1,614.1 | \$14.0 | \$14.0 | \$14.0 | \$14.0 | \$6,912.1 |
| - Services Related To A Highway: Public Works And Fleet: Inflated | \$200.6 | \$319.4 | \$1,821.7 | \$1,747.0 | \$1,781.9 | \$1,817.5 | \$51.9 | \$52.9 | \$54.0 | \$55.0 | \$7,901.9 |
| NON-RESIDENTIAL SPACE GROWTH | | | | | | | | | | | |
| - Growth in Square Metres | 68,370 | 75,970 | 83,560 | 91,160 | 98,760 | 106,360 | 113,950 | 121,550 | 129,140 | 116,050 | 1,004,870 |
| REVENUE | | | | | | | | | | | |
| - DC Receipts: Inflated | \$495.5 | \$561.6 | \$630.0 | \$701.1 | \$774.7 | \$851.0 | \$930.0 | \$1,011.8 | \$1,096.5 | \$1,005.1 | \$8,057.3 |
| INTEREST | | | | | | | | | | | |
| - Interest on Opening Balance | \$16.6 | \$27.6 | \$37.2 | (\$6.2) | (\$65.1) | (\$125.1) | (\$186.0) | (\$147.5) | (\$102.3) | (\$50.0) | (\$600.8) |
| - Interest on In-year Transactions | \$2.9 | \$2.4 | (\$20.9) | (\$18.3) | (\$17.6) | (\$16.9) | \$8.8 | \$9.6 | \$10.4 | \$9.5 | (\$30.0) |
| TOTAL REVENUE | \$515.1 | \$591.6 | \$646.3 | \$676.5 | \$692.0 | \$709.0 | \$752.7 | \$874.0 | \$1,004.6 | \$964.6 | \$7,426.5 |
| CLOSING CASH BALANCE | \$789.8 | \$1,062.0 | (\$113.3) | (\$1,183.8) | (\$2,273.7) | (\$3,382.2) | (\$2,681.3) | (\$1,860.2) | (\$909.5) | \$0.0 | |

| 2023 Adjusted Charge Per Square Metre | \$7.25 |
|---------------------------------------|--------|
| | |

| Allocation of Capital Program | |
|------------------------------------|-------|
| Residential Sector | 75.6% |
| Retail | 9.5% |
| Non-Retail | 15.0% |
| Rates for 2023 | 2.00/ |
| Inflation Rate | 2.0% |
| Interest Rate on Positive Balances | 3.5% |
| Interest Rate on Negative Balances | 5.5% |



Appendix B.5 Waste Diversion Services



Waste Diversion Services

The DCA permits municipalities to impose a development charge for waste diversion services (i.e. not landfill or waste incineration). The City of Barrie provides services for curbside collection, full disposal and recycling services, and education of waste management.

Waste Diversion Services is provided to both residential and non-residential development in the City. However, the services provided by the City to the non-residential sector is limited to "domestic waste" typically generated from lunch and break rooms. As a result, most non-residential uses also have arrangements for private collection. In order to reflect this, the non-residential allocation has been weighted at 50% for the purposes of establishing the 15-year historical service level and the allocation of DC eligible capital costs. The following discusses the individual components included in the Waste Diversion service category. The analysis is set out in the tables which follow.

Table B.5-1 Historical Service Levels and Calculation of 15-Year
Average Service Level

Table B.5-2 2023-2032 Development-Related Capital Forecast and
Calculation of the Growth-Related Net Capital Costs

Table B.5-3 Cash Flow Analysis

A. 15-Year Historical Service Levels and Calculation of Maximum Allowable Funding Envelope

The 15-year historical inventory of capital assets for Waste Diversion Services includes 257,520 square feet of building space with a replacement value of \$33.55 million. The 7.24 hectares of land associated with Waste Diversion Services buildings are valued at \$25.34 million. Furniture and



equipment amounts to \$1.55 million, and 46 units of fleet and small equipment amounts to \$11.54 million. Each of these calculations is net of the portion related to landfill operations.

The total value of the Waste Diversion Services capital infrastructure is estimated to be \$71.98 million. The 15-year historical average service level is \$391.09 per capita this, multiplied by the 10-year forecast net population and employment growth (employment weighted at 50% – 64,060), results in a 10-year maximum allowable of \$25.05 million. Table 1 provides a summary of the level of service and the calculation of the 10-year funding envelope from 2023 to 2032. The calculation of the maximum allowable funding envelope is summarized as follows:

10-Year Funding Envelope Calculation

| 15-Year Average Service Level (2008 – 2022) | \$391.09 |
|---|--------------|
| Net Pop. Growth (2023 – 2032) | 64,060 |
| Maximum Allowable Funding Envelope | \$25,053,030 |

B. Development-Related Capital Program

The Waste Diversion development-related capital program includes a gross project cost of \$23.43 million related to facilities and equipment. These costs include a Transfer Station in 2025, provision for additional waste diversion facilities in 2028, and a provision for additional carts and containers. There are no benefit to existing shares for these projects as they are entirely related to future development. As such, the DC-eligible cost is \$23.43 million.

Of the DC-eligible costs for Waste Diversion, \$1.25 million in available DC reserves will fund the Transfer Station. Therefore, the total 2023-2032 DC-eligible cost is reduced to \$22.18 million.



The costs are allocated 86.1%, or \$19.09 million, against residential development, 5.4%, or \$1.20 million, against non-residential retail development, and 8.5%, or \$1.90 million against non-residential non-retail development. The allocation between residential and non-residential development is based on shares of forecasted growth, with employment weighted at 50%. The resulting unadjusted development charge is \$334.64 per capita for residential, \$6.69 per square metre for retail, and \$3.76 per square metre for non-retail.

C. Cash Flow Analysis

After cash flow and reserve fund analysis, the residential calculated charge increases to \$360.89 per capita, the retail charge increases to \$7.33 per square metre, and the non-retail charge increases to \$4.12 per square metre. This is a reflection of the timing of the capital program and development charges revenues.

The following table summarizes the calculation of the Waste Diversion Services development charge:

| | | | WASTE DI | VERSION SERVICES | S SUMMARY | | | |
|---------------|----------------|------------------------|-----------|------------------|-------------------|-----------|----------------|---------------------|
| 15-year Hist. | 202 | 23 - 2032 | | Unadjusted | | | Adjusted | |
| Service Level | Development-Re | elated Capital Program | | Development Cha | irge | | Development Cl | harge |
| per pop & emp | Total | Net DC Recoverable | \$/capita | Retail \$/sq.m | Non-Retail\$/sq.m | \$/capita | Retail \$/sq.m | Non- Retail \$/sq.m |
| \$391.09 | \$23,434,000 | \$22,180,152 | \$334.64 | \$6.69 | \$3.76 | \$360.89 | \$7.33 | \$4.12 |
| | | | | | | | | |



CITY OF BARRIE INVENTORY OF CAPITAL ASSETS WASTE DIVERSION SERVICES

| BUILDINGS | Share Related | | | | | | | # o | f Square Fe | et | | | | | | | UNIT COST |
|--|---------------|------------|------------|------------|------------|------------|------------|------------|-------------|------------|------------|------------|------------|------------|------------|------------|-------------|
| Facility Name | to Waste | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | (\$/sq.ft.) |
| Barrie Environmental Centre - 272 Ferndale Drive South: | | | | | | | | | | | | | | | | | |
| Administration Centre | 75% | 10,384 | 10,384 | 10,384 | 10,384 | 10,384 | 10,384 | 10,384 | 10,384 | 10,384 | 10,384 | 10,384 | 10,384 | 10,384 | 10,384 | 10,384 | \$500 |
| Envrionmental Education Centre | 100% | - | - | 1,087 | 1,087 | 1,087 | 1,087 | 1,087 | 1,087 | 1,087 | 1,087 | 1,087 | 1,087 | 1,087 | 1,087 | 1,087 | \$500 |
| Scale House | 83% | 295 | 295 | 295 | 295 | 295 | 295 | 295 | 295 | 295 | 295 | 295 | 295 | 295 | 295 | 295 | \$500 |
| Office Trailer (adjacent to admin centre) | 75% | - | - | - | - | - | - | - | - | - | 266 | 266 | 266 | 266 | 266 | 266 | \$200 |
| Waste Segregation Kiosk | 100% | 183 | 183 | 183 | 183 | 183 | 183 | 183 | 183 | 183 | 183 | 183 | 183 | 183 | 183 | 183 | \$300 |
| Waste Segregation Area | 83% | 26,829 | 26,829 | 26,829 | 26,829 | 26,829 | 26,829 | 26,829 | 26,829 | 26,829 | 26,829 | 26,829 | 26,829 | 26,829 | 26,829 | 26,829 | \$400 |
| Municipal Household Hazardous Waste Depot & Commodities Building | 100% | 3,638 | 3,638 | 3,638 | 3,638 | 3,638 | 3,638 | 3,638 | 3,638 | 3,638 | 3,638 | 3,638 | 3,638 | 3,638 | 3,638 | 3,638 | \$500 |
| Dome Building | 100% | - | - | - | - | - | - | 9,440 | 9,440 | 9,440 | 9,440 | 9,440 | 9,440 | 9,440 | 9,440 | 9,440 | \$10 |
| Satellite Municipal Household Special Waste Depot | 100% | 31,484 | 31,484 | 31,484 | 31,484 | 31,484 | 31,484 | 31,484 | 31,484 | 31,484 | 31,484 | 31,484 | 31,484 | 31,484 | 31,484 | 31,484 | \$400 |
| Compost Facility | 100% | 170,888 | 170,888 | 170,888 | 170,888 | 170,888 | 170,888 | 170,888 | 170,888 | 170,888 | 170,888 | 170,888 | 170,888 | 170,888 | 170,888 | 170,888 | \$10 |
| Pre-Fabricated & Modular Office Building | 100% | - | - | - | - | | - | | | - | - | | - | 3,025 | 3,025 | 3,025 | \$200 |
| Total (sq.ft) | | 243,701 | 243,701 | 244,788 | 244,788 | 244,788 | 244,788 | 254,228 | 254,228 | 254,228 | 254,495 | 254,495 | 254,495 | 257,519 | 257,519 | 257,519 | |
| Total (\$000) | | \$32,247.7 | \$32,247.7 | \$32,791.3 | \$32,791.3 | \$32,791.3 | \$32,791.3 | \$32,890.4 | \$32,890.4 | \$32,890.4 | \$32,943.7 | \$32,943.7 | \$32,943.7 | \$33,548.6 | \$33,548.6 | \$33,548.6 | 1 |

| LAND | Share Related | | | | | | | # | of Hectares | | | | | | | | UNIT COST |
|--|---------------|------------|------------|------------|------------|------------|------------|------------|-------------|------------|------------|------------|------------|------------|------------|------------|-------------|
| Facility Name | to Waste | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | (\$/ha) |
| Barrie Environmental Centre - 272 Ferndale Drive South: | | | | | | | | | | | | | | | | | |
| Administration Centre | 75% | 0.27 | 0.27 | 0.27 | 0.27 | 0.27 | 0.27 | 0.27 | 0.27 | 0.27 | 0.27 | 0.27 | 0.27 | 0.27 | 0.27 | 0.27 | \$3,500,000 |
| Envrionmental Education Centre | 100% | - | - | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | \$3,500,000 |
| Scale House | 83% | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | \$3,500,000 |
| Office Trailer (adjacent to admin centre) | 75% | - | - | - | - | - | - | - | - | - | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | \$3,500,000 |
| Waste Segregation Kiosk | 100% | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | \$3,500,000 |
| Waste Segregation Area | 83% | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | 0.90 | \$3,500,000 |
| Municipal Household Hazardous Waste Depot & Commodities Buildi | 100% | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 | \$3,500,000 |
| Dome Building | 100% | - | - | - | - | - | - | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | 0.26 | \$3,500,000 |
| Satellite Municipal Household Special Waste Depot | 100% | 0.88 | 0.88 | 0.88 | 0.88 | 0.88 | 0.88 | 0.88 | 0.88 | 0.88 | 0.88 | 0.88 | 0.88 | 0.88 | 0.88 | 0.88 | \$3,500,000 |
| Compost Facility | 100% | 4.76 | 4.76 | 4.76 | 4.76 | 4.76 | 4.76 | 4.76 | 4.76 | 4.76 | 4.76 | 4.76 | 4.76 | 4.76 | 4.76 | 4.76 | \$3,500,000 |
| Pre-Fabricated & Modular Office Building | 100% | - | - | - | - | - | - | - | - | - | - | - | - | 0.01 | 0.01 | 0.01 | \$3,500,000 |
| | | | | | | | | | | | | | | | | | |
| Total (ha) | | 6.93 | 6.93 | 6.96 | 6.96 | 6.96 | 6.96 | 7.22 | 7.22 | 7.22 | 7.23 | 7.23 | 7.23 | 7.24 | 7.24 | 7.24 | |
| Total (\$000) | | \$24,255.0 | \$24,255.0 | \$24,360.0 | \$24,360.0 | \$24,360.0 | \$24,360.0 | \$25,270.0 | \$25,270.0 | \$25,270.0 | \$25,305.0 | \$25,305.0 | \$25,305.0 | \$25,340.0 | \$25,340.0 | \$25,340.0 | |



CITY OF BARRIE INVENTORY OF CAPITAL ASSETS WASTE DIVERSION SERVICES

| FURNITURE & EQUIPMENT | Share Related | Total value of Γ utilitate & Equipment (ψ) | | | | | | | | | | | | | UNIT COST | | |
|--|---------------|--|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| Facility Name | to Waste | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | (\$/item) |
| Curbside Green Bin | 100% | 32,041 | 32,496 | 32,957 | 33,425 | 33,507 | 33,589 | 33,671 | 33,753 | 33,835 | 33,992 | 34,149 | 34,307 | 34,466 | 34,625 | 35,372 | \$18 |
| Small Green Bin | 100% | 32,041 | 32,496 | 32,957 | 33,425 | 33,507 | 33,589 | 33,671 | 33,753 | 33,835 | 33,992 | 34,149 | 34,307 | 34,466 | 34,625 | 35,372 | \$3 |
| Blue Recycling Bin | 100% | 32,041 | 32,496 | 32,957 | 33,425 | 33,507 | 33,589 | 33,671 | 33,753 | 33,835 | 33,992 | 34,149 | 34,307 | 34,466 | 34,625 | 35,372 | \$7 |
| Grey Recycling Bin | 100% | 32,041 | 32,496 | 32,957 | 33,425 | 33,507 | 33,589 | 33,671 | 33,753 | 33,835 | 33,992 | 34,149 | 34,307 | 34,466 | 34,625 | 35,372 | \$7 |
| In-Unit recycling bin - MR | 100% | 8,181 | 8,181 | 8,337 | 8,578 | 9,009 | 9,043 | 9,167 | 9,591 | 9,705 | 9,723 | 10,936 | 10,936 | 10,936 | 12,123 | 12,123 | \$2 |
| In-Unit green bin - MR | 100% | - | - | - | - | - | - | - | - | 1,573 | 5,052 | 8,502 | 8,502 | 8,502 | 9,149 | 9,436 | \$3 |
| Grey Recycling Cart - MR | 100% | 516 | 516 | 526 | 536 | 546 | 556 | 566 | 576 | 586 | 596 | 606 | 606 | 606 | 751 | 742 | \$77 |
| Blue Recycling Cart - MR | 100% | 521 | 521 | 531 | 541 | 551 | 561 | 571 | 581 | 591 | 601 | 611 | 611 | 611 | 766 | 739 | \$77 |
| Organics Carts - MR | 100% | - | - | - | - | - | - | - | - | 78 | 244 | 368 | 368 | 368 | 338 | 276 | \$60 |
| Special Events carts | 100% | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 72 | 385 | \$66 |
| Recycling carts on the pad | 100% | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 40 | 40 | \$77 |
| Organics carts on the pad | 100% | - | - | - | - | - | - | - | 5 | 5 | 5 | 5 | 5 | 5 | 7 | 7 | \$60 |
| Diversion related roll offs on the pad | 100% | 2 | 2 | 2 | 2 | 2 | 3 | 6 | 6 | 6 | 7 | 9 | 9 | 9 | 9 | 9 | \$11,000 |
| | | | | | | | | | | | | | | | | | |
| Total (sq.ft) | | 137,514 | 139,334 | 141,354 | 143,487 | 144,266 | 144,649 | 145,124 | 145,901 | 148,014 | 152,326 | 157,763 | 158,395 | 159,031 | 161,755 | 165,245 | |
| Total (\$000) | | \$1,248.6 | \$1,264.5 | \$1,282.5 | \$1,300.9 | \$1,306.1 | \$1,321.6 | \$1,359.3 | \$1,364.8 | \$1,378.9 | \$1,417.3 | \$1,466.6 | \$1,472.1 | \$1,477.7 | \$1,507.9 | \$1,549.1 | ı |



CITY OF BARRIE INVENTORY OF CAPITAL ASSETS WASTE DIVERSION SERVICES

| FLEET | Share Related | | | | | | | # of Fleet a | and Small Ed | quipment | | | | | | | UNIT COST |
|---------------------------------------|---------------|-----------|-----------|-----------|-----------|-----------|-----------|--------------|--------------|-----------|-----------|-----------|------------|------------|------------|------------|-------------|
| Description | to Waste | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | (\$/unit) |
| Chev Van | 80% | 0.80 | 0.80 | 0.80 | 0.80 | 0.80 | 0.80 | 0.80 | 0.80 | 0.80 | 0.80 | 0.80 | 0.80 | 1.80 | 1.80 | 1.80 | \$60,500 |
| Roll off Truck | 85% | 0.85 | 0.85 | 0.85 | 0.85 | 0.85 | 0.85 | 0.85 | 0.85 | 0.85 | 0.85 | 0.85 | 0.85 | 0.85 | 0.85 | 0.85 | \$122,700 |
| Fork Lift | 100% | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | \$24,900 |
| Sander | 80% | 0.80 | 0.80 | 0.80 | 0.80 | 0.80 | 0.80 | 0.80 | 0.80 | 0.80 | 0.80 | 0.80 | 0.80 | 0.80 | 0.80 | 0.80 | \$17,100 |
| Snowblower | 80% | 0.80 | 0.80 | 0.80 | 0.80 | 0.80 | 0.80 | 0.80 | 0.80 | 0.80 | 0.80 | 0.80 | 0.80 | 0.80 | 0.80 | 0.80 | \$60,500 |
| John Deere 6x4 Gator | 80% | - | - | - | - | 0.80 | 0.80 | 0.80 | 0.80 | 0.80 | 0.80 | 0.80 | 0.80 | 0.80 | 0.80 | 0.80 | \$153,800 |
| 930G CAT Loader | 85% | 0.85 | 0.85 | 0.85 | 0.85 | 0.85 | 0.85 | 0.85 | 0.85 | 0.85 | 0.85 | 0.85 | 0.85 | 0.85 | 0.85 | 0.85 | \$31,100 |
| Brown Bear Composter | 100% | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | - | - | | - | - | - | - | - | \$38,900 |
| Stacker | 100% | - | - | - | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | \$60,500 |
| Riding Mower | 50% | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | \$76,000 |
| Dodge Ram | 50% | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | \$83,800 |
| John Deere 12-8009 | 80% | - | - | - | - | 0.80 | 0.80 | 0.80 | 0.80 | 0.80 | 0.80 | 0.80 | 0.80 | 0.80 | 0.80 | 0.80 | \$139,800 |
| Dodge 1500 13-1129 (Walker-Prince) | 50% | - | - | - | - | - | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 | \$63,600 |
| Western 4700 13-5032 | 85% | - | - | - | - | - | 0.85 | 0.85 | 0.85 | 0.85 | 0.85 | 0.85 | 0.85 | 0.85 | 0.85 | 0.85 | \$310,500 |
| 14-6086 Pronovost Snowblower | 80% | - | - | - | - | - | - | 0.80 | 0.80 | 0.80 | 0.80 | 0.80 | 0.80 | 0.80 | 0.80 | 0.80 | \$1,600 |
| Husq 16-9275 & 16-9276 Chainsaws | 100% | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | \$1,200 |
| Chev Silverado 18-1173 | 100% | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | \$69,800 |
| CAT D6T 18-8012 | 100% | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | \$1,009,200 |
| Caterpillar - 950M | 100% | - | - | - | - | - | - | - | - | - | | - | 1.00 | 1.00 | 1.00 | 1.00 | \$546,800 |
| Caterpillar - 323-07 | 100% | - | - | - | - | - | - | - | - | - | | - | 1.00 | 1.00 | 1.00 | 1.00 | \$520,300 |
| Caterpillar - 725C2-Articulated Truck | 100% | - | - | - | - | - | - | - | - | - | | - | 1.00 | 1.00 | 1.00 | 1.00 | \$726,000 |
| 8" Portable Centrifugal Pump Trailer | 100% | - | - | - | - | - | - | - | - | - | | - | 1.00 | 1.00 | 1.00 | 1.00 | \$131,100 |
| Enclosed trailer | 100% | - | - | - | - | - | - | - | - | - | | - | 1.00 | 1.00 | 1.00 | 1.00 | \$30,600 |
| Enclosed trailer | 100% | - | - | - | - | - | - | - | - | - | | - | 1.00 | 1.00 | 1.00 | 1.00 | \$28,200 |
| Roll off Hoist - Freightliner | 100% | - | - | - | - | - | - | - | - | - | | - | - | 1.00 | 1.00 | 1.00 | \$298,000 |
| Chev 1500 20-1180 | 100% | - | - | - | - | - | - | - | - | - | | - | - | 1.00 | 1.00 | 1.00 | \$40,300 |
| Chev 1500 20-1182 | 100% | - | - | - | - | - | - | - | - | - | | - | - | 1.00 | 1.00 | 1.00 | \$43,900 |
| Ford 250 20-1220 | 100% | - | - | - | - | - | - | - | - | - | | - | - | 1.00 | 1.00 | 1.00 | \$56,600 |
| Mitsubishi RVR 20-1228 | 100% | - | - | - | - | - | - | - | - | - | | - | - | 1.00 | 1.00 | 1.00 | \$35,500 |
| Rental Heavy Equipment | | | | | | | | | | | | | | | | | |
| Rental Roll Off Truck | 85% | 0.85 | 0.85 | 0.85 | 0.85 | 0.85 | 0.85 | 0.85 | 0.85 | 0.85 | 0.85 | 0.85 | 0.85 | 0.85 | 0.85 | 0.85 | \$122,700 |
| Collection Rental/Leased Vehicles | | | | | | | | | | | | | | | | | |
| Garbage and Organics Trucks | 30% | 1.80 | 1.80 | 2.10 | 2.10 | 2.10 | 2.10 | 2.10 | 2.40 | 2.40 | 2.40 | 2.40 | 2.40 | 2.40 | 2.40 | 2.40 | \$422,500 |
| Recycling Trucks | 100% | 6.00 | 6.00 | 7.00 | 7.00 | 7.00 | 7.00 | 7.00 | 9.00 | 9.00 | 9.00 | 9.00 | 9.00 | 9.00 | 9.00 | 9.00 | \$396,900 |
| Yard Waste Trucks | 100% | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | \$357,900 |
| Multi-Res Recycling Trucks | 100% | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | \$422,500 |
| Multi-Res Organics Trucks | 100% | - | - | - | - | - | - | - | - | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | \$422,500 |
| Supervisor Trucks | 80% | 0.80 | 0.80 | 0.80 | 0.80 | 0.80 | 0.80 | 0.80 | 0.80 | 0.80 | 0.80 | 0.80 | 0.80 | 0.80 | 0.80 | 0.80 | \$48,000 |
| Total (#) | | 24 | 24 | 25 | 26 | 27 | 29 | 30 | 33 | 34 | 34 | 34 | 40 | 46 | 46 | 46 | |
| Total (\$000) | | \$5,889.2 | \$5.889.2 | \$6.412.9 | \$6,473.4 | \$6,708.2 | \$7.004.0 | \$7,005.2 | \$8,602.7 | \$9,025.2 | \$9,025.2 | \$9.025.2 | \$11.008.2 | \$11.543.0 | \$11,543.0 | \$11.543.0 | |



CITY OF BARRIE
CALCULATION OF SERVICE LEVELS
WASTE DIVERSION SERVICES

| | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 |
|--|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| Historical Population | 131,431 | 132,957 | 134,501 | 136,063 | 137,121 | 138,187 | 139,261 | 140,343 | 141,434 | 142,690 | 143,958 | 145,237 | 146,527 | 147,829 | 152,641 |
| Historical Employment (Weighted at 0.5) | 30,782 | 31,109 | 31,446 | 31,795 | 32,196 | 32,603 | 33,015 | 33,433 | 33,857 | 34,605 | 35,365 | 36,365 | 26,945 | 28,665 | 32,655 |
| Total Historical Population & Employment | 162,213 | 164,066 | 165,947 | 167,858 | 169,317 | 170,790 | 172,276 | 173,776 | 175,291 | 177,295 | 179,323 | 181,602 | 173,472 | 176,494 | 185,296 |

INVENTORY SUMMARY (\$000)

| Buildings | \$32,247.7 | \$32,247.7 | \$32,791.3 | \$32,791.3 | \$32,791.3 | \$32,791.3 | \$32,890.4 | \$32,890.4 | \$32,890.4 | \$32,943.7 | \$32,943.7 | \$32,943.7 | \$33,548.6 | \$33,548.6 | \$33,548.6 |
|-----------------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| Land | \$24,255.0 | \$24,255.0 | \$24,360.0 | \$24,360.0 | \$24,360.0 | \$24,360.0 | \$25,270.0 | \$25,270.0 | \$25,270.0 | \$25,305.0 | \$25,305.0 | \$25,305.0 | \$25,340.0 | \$25,340.0 | \$25,340.0 |
| Furniture & Equipment | \$1,248.6 | \$1,264.5 | \$1,282.5 | \$1,300.9 | \$1,306.1 | \$1,321.6 | \$1,359.3 | \$1,364.8 | \$1,378.9 | \$1,417.3 | \$1,466.6 | \$1,472.1 | \$1,477.7 | \$1,507.9 | \$1,549.1 |
| Fleet | \$5,889.2 | \$5,889.2 | \$6,412.9 | \$6,473.4 | \$6,708.2 | \$7,004.0 | \$7,005.2 | \$8,602.7 | \$9,025.2 | \$9,025.2 | \$9,025.2 | \$11,008.2 | \$11,543.0 | \$11,543.0 | \$11,543.0 |
| Total (\$000) | \$63,640.5 | \$63,656.4 | \$64,846.6 | \$64,925.5 | \$65,165.7 | \$65,476.9 | \$66,524.9 | \$68,127.9 | \$68,564.5 | \$68,691.2 | \$68,740.5 | \$70,729.0 | \$71,909.3 | \$71,939.5 | \$71,980.7 |

SERVICE LEVEL (\$/capita)

Average Service Level

| Land \$149.53 \$147.84 \$146.79 \$145.12 \$143.87 \$142.63 \$146.68 \$145.42 \$144.16 \$142.73 \$141.11 \$139.34 \$146.08 \$135.75 \$136.75 \$144.11 Furniture & Equipment \$7.70 \$7.71 \$7.73 \$7.71 \$7.74 \$7.89 \$7.85 \$7.87 \$7.99 \$8.18 \$8.11 \$8.52 \$8.54 \$8.36 \$7.90 | Total (\$/capita) | \$392.33 | \$387.99 | \$390.77 | \$386.79 | \$384.87 | \$383.38 | \$386.15 | \$392.04 | \$391.15 | \$387.44 | \$383.33 | \$389.47 | \$414.53 | \$407.60 | \$388.46 | \$391.09 |
|---|-----------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Land \$149.53 \$147.84 \$146.79 \$145.12 \$143.87 \$142.63 \$146.68 \$145.42 \$144.16 \$142.73 \$141.11 \$139.34 \$146.08 \$143.57 \$136.75 \$144.12 | Fleet | \$36.31 | \$35.90 | \$38.64 | \$38.56 | \$39.62 | \$41.01 | \$40.66 | \$49.50 | \$51.49 | \$50.90 | \$50.33 | \$60.62 | \$66.54 | \$65.40 | \$62.29 | \$48.52 |
| Land \$149.53 \$147.84 \$146.79 \$145.12 \$143.87 \$142.63 \$146.68 \$145.42 \$144.16 \$142.73 \$141.11 \$139.34 \$146.08 \$143.57 \$136.75 \$144.12 | Furniture & Equipment | \$7.70 | \$7.71 | \$7.73 | \$7.75 | \$7.71 | \$7.74 | \$7.89 | \$7.85 | \$7.87 | \$7.99 | \$8.18 | \$8.11 | \$8.52 | \$8.54 | \$8.36 | \$7.98 |
| 5010.00 \$150.50 \$150.50 \$150.50 \$150.50 \$150.50 \$150.50 \$150.50 \$150.50 \$150.50 \$150.50 \$150.50 \$150.50 \$150.50 | Land | \$149.53 | \$147.84 | \$146.79 | \$145.12 | \$143.87 | \$142.63 | \$146.68 | \$145.42 | \$144.16 | \$142.73 | \$141.11 | \$139.34 | \$146.08 | \$143.57 | \$136.75 | \$144.11 |
| Ruildings \$198.80 \$196.55 \$197.60 \$195.35 \$193.67 \$190.00 \$190.92 \$189.27 \$187.63 \$185.81 \$183.71 \$181.41 \$193.39 \$190.08 \$181.05 \$190.00 | Buildings | \$198.80 | \$196.55 | \$197.60 | \$195.35 | \$193.67 | \$192.00 | \$190.92 | \$189.27 | \$187.63 | \$185.81 | \$183.71 | \$181.41 | \$193.39 | \$190.08 | \$181.05 | \$190.48 |

CITY OF BARRIE
CALCULATION OF MAXIMUM ALLOWABLE FUNDING ENVELOPE
WASTE DIVERSION SERVICES

| 10-Year Funding Envelope Calculation | |
|---|--------------|
| 10 Year Average Service Level 2008 - 2022 | \$391.09 |
| Net Population & Employment (Weighted 0.5) Growth 2023 - 2032 | 64,060 |
| Maximum Allowable Funding Envelope | \$25,053,030 |



APPENDIX B.5 TABLE B.5-2

CITY OF BARRIE DEVELOPMENT-RELATED CAPITAL PROGRAM WASTE DIVERSION

| | | Gross | Grants/ | Net | Ineligib | le Costs | Total | | DC Eligible Costs | |
|---|---|-----------------|-------------------------------|--|-----------------------------|------------------------------|--|--------------------------|----------------------------|-------------------------|
| Project Description | Timing | Project Cost | Subsidies/Other Recoveries | Municipal Cost | Replacement & BTE Shares | Replacement & BTE Shares | DC Eligible Costs | Available DC Reserves | 2023- 2032 | Post-Period Benefit* |
| 5.0 WASTE DIVERSION | | | | | | | | | | |
| 5.1 New Projects 5.1.1 000284 & 000794 Transfer Station 5.1.2 Provision for Additional Waste Diversion Facilities 5.1.3 Provision for Additional Carts & Containers Subtotal New Projects | 2025 - 2025 2028 - 2032 2023 - 2032 | | \$ - \$ - | \$ 21,000,000 \$ 2,000,000 \$ 434,000 \$ 23,434,000 | 0% 0% 0% | \$ - \$ - \$ - \$ - | \$ 21,000,000 \$ 2,000,000 \$ 434,000 \$ 23,434,000 | \$ - \$ - | \$ 2,000,000 \$ 434,000 | \$ - \$ - |
| TOTAL WASTE DIVERSION | | \$ 23,434,000 | \$ - | \$ 23,434,000 | | \$ - | \$ 23,434,000 | \$ 1,253,848 | \$ 22,180,152 | \$ - |

^{*}Development related costs to be considered for funding from other tools and/or future DC Studies.

| Residential Development Charge Calculation | | |
|---|-------|--------------|
| Residential Share of 2023 - 2032 DC Eligible Costs | 86.1% | \$19,091,586 |
| 10-Year Growth in Population in New Units | | 57,051 |
| Unadjusted Development Charge Per Capita | | \$334.64 |
| Non-Residential Retail Development Charge Calculation | | |
| Non-Residential Share of 2023 - 2032 DC Eligible Costs | 5.4% | \$1,197,846 |
| 10-Year Growth in Square Metres | | 178,980 |
| Unadjusted Retail Development Charge Per Square Metre | | \$6.69 |
| Non-Residential Non-Retail Development Charge Calculation | | |
| Non-Residential Share of 2023 - 2032 DC Eligible Costs | 8.5% | \$1,890,720 |
| 10-Year Growth in Square Metres | | 502,435 |
| Unadjusted Non-Retail Development Charge Per Square Metre | | \$3.76 |

| 2023 - 2032 Net Funding Envelope | \$25,053,030 |
|--|--------------|
| Reserve Fund Balance as at December 31st, 2022 | \$1,253,848 |



APPENDIX B.5 TABLE 3-1

CITY OF BARRIE CASHFLOW AND DETERMINATION OF DEVELOPMENT CHARGE WASTE DIVERSION RESIDENTIAL DEVELOPMENT CHARGE (in \$000)

| WASTE DIVERSION | 2023 | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | 2030 | 2031 | 2032 | TOTAL |
|---|---------------------------|---------------------------|---------------------------------------|---------------------------|---------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|---------------------------------------|
| OPENING CASH BALANCE | \$1,079.3 | \$3,039.14 | \$5,160.38 | (\$11,850.51) | (\$10,291.07) | (\$8,542.40) | (\$6,978.05) | (\$5,225.78) | (\$3,273.67) | (\$1,108.31) | |
| 2023 - 2032 RESIDENTIAL FUNDING REQUIREMENTS - Prior Growth (Funding from DC Reserve Balance) - Waste Diversion: Non Intlated - Waste Diversion: Inflated | \$0.0 \$37.4 \$37.4 | \$0.0 \$37.4 \$38.1 | \$1,079.3 \$17,033.9 \$18,844.9 | \$0.0 \$37.4 \$39.6 | \$0.0 \$37.4 \$40.4 | \$0.0 \$381.7 \$421.4 | \$0.0 \$381.7 \$429.8 | \$0.0 \$381.7 \$438.4 | \$0.0 \$381.7 \$447.2 | \$0.0 \$381.7 \$456.1 | \$1,079.3 \$19,091.6 \$21,193.3 |
| NEW RESIDENTIAL DEVELOPMENT - Population Growth in New Units | 5,338 | 5,483 | 5,629 | 5,778 | 5,927 | 6,075 | 6,223 | 6,367 | 6,509 | 3,722 | 57,051 |
| REVENUE - DC Receipts: Inflated | \$1,926.4 | \$2,018.3 | \$2,113.5 | \$2,212.8 | \$2,315.3 | \$2,420.6 | \$2,529.1 | \$2,639.4 | \$2,752.2 | \$1,605.3 | \$22,533.0 |
| INTEREST - Interest on Opening Balance - Interest on In-year Transactions | \$37.8 \$33.1 | \$106.4 \$34.7 | \$180.6 (\$460.1) | (\$651.8) \$38.0 | (\$566.0) \$39.8 | (\$469.8) \$35.0 | (\$383.8) \$36.7 | (\$287.4) \$38.5 | (\$180.1) \$40.3 | (\$61.0) \$20.1 | (\$2,275.1) (\$143.9) |
| TOTAL REVENUE | \$1,997.2 | \$2,159.3 | \$1,834.0 | \$1,599.1 | \$1,789.1 | \$1,985.7 | \$2,182.1 | \$2,390.5 | \$2,612.5 | \$1,564.4 | \$20,114.1 |
| CLOSING CASH BALANCE | \$3,039.1 | \$5,160.4 | (\$11,850.5) | (\$10,291.1) | (\$8,542.4) | (\$6,978.1) | (\$5,225.8) | (\$3,273.7) | (\$1,108.3) | \$0.0 | |

2023 Adjusted Charge Per Capita \$360.89

| Allocation of Capital Program | |
|------------------------------------|-------|
| Residential Sector | 86.1% |
| Non-Residential Sector | 13.9% |
| D | |
| Rates for 2023 | |
| Inflation Rate: | 2.0% |
| Interest Rate on Positive Balances | 3.5% |
| Interest Rate on Negative Balances | 5.5% |
| | |



APPENDIX B.5 TABLE 3-2

CITY OF BARRIE CASHFLOW AND DETERMINATION OF DEVELOPMENT CHARGE WASTE DIVERSION RETAIL NON-RESIDENTIAL DEVELOPMENT CHARGE

(in \$000)

| WASTE DIVERSION | 2023 | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | 2030 | 2031 | 2032 | TOTAL | |
|--|---------|----------|-----------|------------|------------|------------|------------|------------|------------|------------|-----------|--|
| OPENING CASH BALANCE | \$67.7 | \$157.39 | \$262.12 | (\$816.91) | (\$737.49) | (\$640.39) | (\$548.31) | (\$437.39) | (\$306.12) | (\$152.86) | | |
| 2023 - 2032 NON-RESIDENTIAL FUNDING REQUIREMENTS | | | | | | | | | | | | |
| - Prior Growth (Funding from DC Reserve Balance) | \$0.0 | \$0.0 | \$67.7 | \$0.0 | \$0.0 | \$0.0 | \$0.0 | \$0.0 | \$0.0 | \$0.0 | \$67.7 | |
| - Waste Diversion: Non Inflated | \$2.3 | \$2.3 | \$1,068.7 | \$2.3 | \$2.3 | \$23.9 | \$23.9 | \$23.9 | \$23.9 | \$23.9 | \$1,197.8 | |
| - Waste Diversion: Inflated | \$2.3 | \$2.4 | \$1,182.4 | \$2.5 | \$2.5 | \$26.4 | \$27.0 | \$27.5 | \$28.1 | \$28.6 | \$1,329.7 | |
| NON-RESIDENTIAL SPACE GROWTH | | | | | | | | | | | | |
| - Growth in Square Metres | 12,115 | 13,460 | 14,805 | 16,150 | 17,500 | 18,845 | 20,190 | 21,535 | 22,880 | 21,500 | 178,980 | |
| REVENUE | | | | | | | | | | | | |
| - DC Receipts: Inflated | \$88.8 | \$100.6 | \$112.9 | \$125.6 | \$138.8 | \$152.5 | \$166.6 | \$181.3 | \$196.5 | \$188.3 | \$1,451.9 | |
| INTEREST | | | | | | | | | | | | |
| - Interest on Opening Balance | \$2.4 | \$5.5 | \$9.2 | (\$44.9) | (\$40.6) | (\$35.2) | (\$30.2) | (\$24.1) | (\$16.8) | (\$8.4) | (\$183.1) | |
| - Interest on In-year Transactions | \$0.9 | \$1.0 | (\$18.7) | \$1.2 | \$1.4 | \$1.3 | \$1.4 | \$1.5 | \$1.7 | \$1.6 | (\$6.8) | |
| TOTAL REVENUE | \$92.0 | \$107.1 | \$103.3 | \$81.9 | \$99.6 | \$118.5 | \$137.9 | \$158.8 | \$181.3 | \$181.5 | \$1,262.0 | |
| CLOSING CASH BALANCE | \$157.4 | \$262.1 | (\$816.9) | (\$737.5) | (\$640.4) | (\$548.3) | (\$437.4) | (\$306.1) | (\$152.9) | \$0.0 | | |

2023 Adjusted Charge Per Square Metre \$7.33

| Allocation of Capital Program | |
|------------------------------------|-------|
| Residential Sector | 86.1% |
| Retail | 5.4% |
| Non-Retail | 8.5% |
| Rates for 2023 | |
| Inflation Rate | 2.0% |
| Interest Rate on Positive Balances | 3.5% |
| Interest Rate on Negative Balances | 5.5% |
| | |



APPENDIX B.5 TABLE 3-3

CITY OF BARRIE CASHFLOW AND DETERMINATION OF DEVELOPMENT CHARGE WASTE DIVERSION NON-RETAIL NON-RESIDENTIAL DEVELOPMENT CHARGE (in \$000)

| WASTE DIVERSION | 2023 | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | 2030 | 2031 | 2032 | TOTAL |
|--|---------|----------|-------------|--------------|--------------|--------------|------------|--------------------|------------|------------|-----------|
| OPENING CASH BALANCE | \$106.9 | \$249.07 | \$415.13 | (\$1,287.15) | (\$1,160.72) | (\$1,006.28) | (\$859.56) | (\$682.95) | (\$473.99) | (\$230.12) | |
| 2023 - 2032 NON-RESIDENTIAL FUNDING REQUIREMENTS | | | | | | | | | | | |
| - Prior Growth (Funding from DC Reserve Balance) | \$0.0 | \$0.0 | \$106.9 | \$0.0 | \$0.0 | \$0.0 | \$0.0 | \$0.0 | \$0.0 | \$0.0 | \$106.9 |
| - Waste Diversion: Non Inflated | \$3.7 | \$3.7 | \$1,686.9 | \$3.7 | \$3.7 | \$37.8 | \$37.8 | \$37.8 | \$37.8 | \$37.8 | \$1,890.7 |
| - Waste Diversion: Inflated | \$3.7 | \$3.8 | \$1,866.3 | \$3.9 | \$4.0 | \$41.7 | \$42.6 | \$43.4 | \$44.3 | \$45.2 | \$2,098.9 |
| NON-RESIDENTIAL SPACE GROWTH | | | | | | | | | | | |
| - Growth in Square Metres | 34,185 | 37,985 | 41,780 | 45,580 | 49,380 | 53,180 | 56,975 | 60,775 | 64,570 | 58,025 | 502,435 |
| REVENUE | | | | | | | | | | | |
| - DC Receipts: Inflated | \$140.8 | \$159.6 | \$179.0 | \$199.2 | \$220.1 | \$241.8 | \$264.2 | \$287.5 | \$311.6 | \$285.6 | \$2,289.3 |
| INTEREST | | | | | | | | | | | |
| - Interest on Opening Balance | \$3.7 | \$8.7 | \$14.5 | (\$70.8) | (\$63.8) | (\$55.3) | (\$47.3) | (\$37.6) | (\$26.1) | (\$12.7) | (\$286.6) |
| - Interest on In-year Transactions | \$1.4 | \$1.6 | (\$29.5) | \$2.0 | \$2.2 | \$2.0 | \$2.2 | \$2.4 | \$2.7 | \$2.4 | (\$10.8) |
| TOTAL REVENUE | \$145.9 | \$169.8 | \$164.0 | \$130.4 | \$158.4 | \$188.5 | \$219.2 | \$252.4 | \$288.2 | \$275.3 | \$1,992.0 |
| TOTAL REVENUE | Ψ1+3.3 | Ψ103.0 | Ψ104.0 | Ψ100.4 | Ψ130.4 | Ų100.3 | Ψ213.2 | Ψ232. - | Ψ200.2 | Ψ213.3 | Ψ1,552.0 |
| CLOSING CASH BALANCE | \$249.1 | \$415.1 | (\$1,287.1) | (\$1,160.7) | (\$1,006.3) | (\$859.6) | (\$682.9) | (\$474.0) | (\$230.1) | \$0.0 | |
| | | | | | | | | | | | |

| 2023 Adjusted Charge Per Square Metre | \$4.12 |
|---------------------------------------|--------|
| | |

| Residential Sector | 86.1% |
|------------------------------------|-------|
| Retail | 5.4% |
| Non-Retail | 8.5% |
| Rates for 2023 | |
| Inflation Rate | 2.0% |
| Interest Rate on Positive Balances | 3.5% |
| Interest Rate on Negative Balances | 5.5% |



Appendix B.6 Ambulance Services



Ambulance Services

The City of Barrie and the City of Orillia receive Ambulance Services from the County of Simcoe through a cost-sharing agreement. The capital costs are allocated between Barrie and Simcoe based on shares of weighted taxable assessment values of approximately 25% (Barrie) and 6% (Orillia). The County began delivering the Ambulance Services January 1, 2001 when the Province downloaded service delivery responsibility Simcoe. There are 26 ambulance stations positioned among all of the lower-tier municipalities in the County. Only the City of Barrie's share is used to calculate development charges.

The current arrangement of ambulance stations and service delivery is a product of separate systems existing prior to the transfer of this service from the Province to the County of Simcoe. Recently, the County hired consultants to assist in developing a facility model and the result was to implement a hub and spoke service delivery approach. The development-related capital program for Ambulance Services implements this new approach. The following discusses the individual components included in the Ambulance Services category. The analysis is set out in the tables which follow.

| Table B.6-1 | Historical Service Levels and Calculation of 15-Year |
|-------------|--|
| | Average Service Level |
| Table B.6-2 | 2023-2032 Development-Related Capital Forecast and Calculation of the Growth-Related Net Capital Costs |
| Table B.6-3 | Cash Flow Analysis |



A. 15-Year Historical Service Levels and Calculation of Maximum Allowable Funding Envelope

The Ambulance Services inventory of capital assets includes 27 stations, the combined building area is 139,860 square feet, valued at approximately \$89.99 million, of which \$22.69 million is related to Barrie's share. The buildings occupy roughly 12.92 hectares of land which is valued at \$17.38 million, with the City's share representing 25% or \$4.38 million. The 77 vehicles associated with the paramedic stations in the County of Simcoe have a replacement value of nearly \$16.20 million (Barrie's share amounting to \$4.08 million). Station equipment adds another \$1.24 million to the inventory with \$311,900 relating to the City of Barrie.

Barrie's share of the total current value of Ambulance Services infrastructure including building, land, vehicles, furniture and equipment is valued at approximately \$31.47 million. The 15-year average historical service level amounts to \$96.11 per population and employment. The calculated maximum allowable recoverable through development charges is \$7.04 million. Table 1 provides a summary of the level of service and the calculation of the 10-year funding envelope from 2023 to 2032. The calculation of the maximum allowable funding envelope is summarized as follows:

10-Year Funding Envelope Calculation – Barrie's Share

| 15-Year Average Service Level (2008 – 2022) | \$96.11 |
|---|-------------|
| Net Pop. Growth (2023 – 2032) | 73,289 |
| Maximum Allowable Funding Envelope | \$7,043,806 |

B. Development-Related Capital Program

The County of Simcoe's Ambulance Services 10-year capital program includes a number of new station construction, as well as a reorganization



and re-location of several existing stations. The County plans to construct a centralized hub paramedic station as well as seven satellite posts. The capital program consists of prior growth-related projects totaling \$2.99 million, which relates to projects that are still to be funded as per the shared facilities agreement with the County.

The Ambulance Services DC reserve fund balance is in a negative position, and relates largely to the initial funding of the new Bradford and Severn Paramedic Stations. As such, \$3.07 million is included for recovery through DCs. The capital program also includes seven new stations (Barrie's share only) totaling \$6.76 million, land acquisition costs of \$1.95 million and building construction costs totaling an additional \$13.29 million. Finally, additional emergency response vehicles will be added to the current fleet which amounts to roughly \$6.77 million.

Altogether, the 10-year capital forecast for Ambulance Services amounts to \$34.83 million. An amount of \$16.47 million is identified as, "Grants, Subsidies, and Other Recoveries" and represents the County's and Orillia's share of the capital program. These recoveries are netted off the total gross project costs.

An overall benefit to existing share has been calculated for the land and construction costs in the capital program which totals 34% and is consistent with the allocations identified in the 2021 Simcoe County DC Background Study and the 2022 City of Orillia DC Background Study. The total benefit to existing share amounts to \$4.22 million and this amount will not be recovered through development charges.

The total DC eligible costs amount to \$14.15 million of which \$7.11 million, is deemed to be post-period benefit, and will be considered for recovery in subsequent development charges by-laws. The remaining in-period DC-eligible share after these adjustments amounts to \$7.04 million.



The costs are allocated 75.6%, or \$5.32 million, against residential development, 9.5%, or \$667,800, against non-residential retail development, and 15.0%, or \$1.05 million against non-residential non-retail development. The allocation between residential and non-residential development is based on shares of forecasted growth. The resulting unadjusted development charge is \$93.28 per capita for residential, \$1.87 per square metre for retail, and \$1.05 per square metre for non-retail.

C. Cash Flow Analysis

After cash flow and reserve fund analysis, the residential calculated charge increases to \$156.35 per capita, the retail charge increases to \$2.90 per square metre, and the non-retail charge increases to \$1.79 per square metre. This is a reflection of the timing of the capital program and development charges revenues.

The following table summarizes the calculation of the Ambulance Services development charge:

| | | | AMBUI | ANCE SERVICES S | UMMARY | | | | | | |
|---------------|----------------|-----------------------|-----------|-----------------|-------------------|--------------------|----------------|---------------------|--|--|--|
| 15-year Hist. | 202 | 23 - 2032 | | Unadjusted | | Adjusted | | | | | |
| Service Level | Development-Re | lated Capital Program | | Development Cha | irge | Development Charge | | | | | |
| per pop & emp | Total | Net DC Recoverable | \$/capita | Retail \$/sq.m | Non-Retail\$/sq.m | \$/capita | Retail \$/sq.m | Non- Retail \$/sq.m | | | |
| \$96.11 | \$34,835,912 | \$7,043,806 | \$93.28 | \$1.87 | \$1.05 | \$156.35 | \$2.90 | \$1.79 | | | |
| | | | | | | | | | | | |



Weighted Taxable Assessment Excluding City of Orillia & County of Simcoe:

| BUILDINGS | | | | | | | # | of Square Fee | t | | | | | | | UNIT COST |
|---|------------|------------|------------|------------|------------|------------|------------|---------------|------------|------------|------------|------------|------------|------------|------------|-------------|
| Station Name | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | (\$/sq.ft.) |
| Alliston Station | 3,120 | 3,120 | 3,120 | 3,120 | 3,120 | 3,120 | 3,120 | 3,120 | 3,120 | 5,447 | 5,447 | 5,447 | 5,447 | 5,447 | 5,447 | \$650 |
| Angus Station | 4,500 | 4,500 | 4,500 | 4,500 | 4,500 | 4,500 | 4,500 | 4,500 | 4,500 | 4,500 | 4,500 | 4,500 | 4,500 | 4,500 | 4,500 | \$650 |
| Barrie North Station | 5,893 | 5,893 | 5,893 | 5,893 | 5,893 | 5,893 | 5,893 | 5,893 | 5,893 | 5,893 | 5,893 | 5,893 | 5,893 | 5,893 | 5,893 | \$650 |
| Barrie Tiffin Station | 5,246 | 5,246 | 5,246 | 5,246 | 5,246 | 5,246 | 5,246 | 5,246 | 5,246 | 5,246 | 5,246 | 5,246 | 5,246 | 5,246 | 5,246 | \$650 |
| Bradford Station | 3,120 | 3,120 | 3,120 | 3,120 | 3,120 | 3,120 | 3,120 | 3,120 | 3,120 | 3,120 | 3,120 | 3,120 | 3,120 | 3,120 | 3,120 | \$650 |
| Coldwater Station | 1,254 | 1,254 | 1,254 | 1,254 | 627 | 627 | 627 | 627 | 627 | 627 | 627 | 627 | 627 | 627 | 627 | \$650 |
| Collingwood Station | 3,026 | 3,026 | 3,026 | 3,026 | 3,026 | 3,026 | 3,026 | 3,026 | 3,026 | 3,026 | 3,026 | 3,026 | 6,000 | 6,000 | 6,000 | \$650 |
| Craighurst Station | 2,597 | 2,597 | 2,597 | 2,597 | 2,597 | 2,597 | 2,597 | 2,597 | 2,597 | 2,597 | 2,597 | 2,597 | 2,597 | 2,597 | 2,597 | \$650 |
| Elmvale Station | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 3,412 | 3,412 | \$650 |
| Midland Station | 5,316 | 5,316 | 5,316 | 5,316 | 5,316 | 5,316 | 5,316 | 5,316 | 5,316 | 5,316 | 5,316 | 5,316 | 5,316 | 5,316 | 5,316 | \$650 |
| Orillia Station | 7,420 | 7,420 | 7,420 | 7,420 | 7,420 | 7,420 | 7,420 | 7,420 | 7,420 | 7,420 | 7,420 | 9,665 | 9,665 | 9,665 | 9,665 | \$650 |
| Ramara (Brechin) | - | - | - | - | - | - | - | - | 600 | 600 | 600 | 600 | 600 | 600 | 600 | \$630 |
| Stayner Station | - | - | - | - | - | 5,424 | 5,424 | 5,424 | 5,424 | 5,424 | 5,424 | 5,424 | 5,424 | 5,424 | 5,424 | \$650 |
| Stroud Station | 2,715 | 2,715 | 2,715 | 2,715 | 2,715 | 2,715 | 2,715 | 2,715 | 2,715 | 2,715 | 2,715 | 2,715 | 2,715 | 2,715 | 2,715 | \$650 |
| New Tecumseth (Tottenham) | - | - | 444 | 444 | 444 | 444 | 444 | 444 | 444 | 444 | 444 | 444 | 444 | 444 | 444 | \$650 |
| Wasaga Beach Station | 2,178 | 2,178 | 2,178 | 2,178 | 2,178 | 2,178 | 2,178 | 2,178 | 2,178 | 2,178 | 2,178 | 2,178 | 2,178 | 2,178 | 2,178 | \$650 |
| Washago Station | 2,597 | 2,597 | 2,597 | 2,597 | 2,597 | 2,597 | 2,597 | 2,597 | 2,597 | 2,597 | 2,597 | 2,597 | 2,597 | 2,597 | 2,597 | \$650 |
| Administration Centre | 2,240 | 2,240 | 2,240 | 3,962 | 3,962 | 3,962 | 3,962 | 3,962 | 3,962 | 3,962 | 3,962 | 3,962 | 3,962 | 3,962 | 3,962 | \$420 |
| Barrie Simcoe Emergency Services Campus | - | - | - | - | - | - | - | - | - | - | - | - | 60,000 | 60,000 | 60,000 | \$650 |
| Central East Barrie (downtown) | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | \$650 |
| Beeton Station | - | - | - | - | - | - | - | - | - | - | 3,918 | 3,918 | 3,918 | 3,918 | 3,918 | \$650 |
| Oro | - | - | - | - | - | - | - | - | - | 150 | 150 | 150 | 150 | 150 | 150 | \$650 |
| Innisfil | - | - | - | - | - | - | - | - | - | 600 | 600 | 600 | 600 | 600 | 600 | \$650 |
| Penetanguishene | - | - | - | - | - | - | - | - | - | - | 800 | 800 | 800 | 1,050 | 1,050 | \$650 |
| Everett/ADJT | - | - | - | - | - | - | - | - | 200 | 200 | 200 | 200 | 200 | 200 | 200 | \$650 |
| Perkinsfield | - | - | - | - | - | - | - | - | - | 500 | 500 | 500 | 500 | 500 | 500 | \$650 |
| Bradford Street Warehouse | - | - | - | - | - | - | - | - | - | - | 3,700 | 3,700 | 3,700 | 3,700 | 3,700 | \$650 |
| Total (sq.ft.) | 51,822 | 51,822 | 52,266 | 53,988 | 53,361 | 58,785 | 58,785 | 58,785 | 59,585 | 63,162 | 71,580 | 73,825 | 136,799 | 139,861 | 139,861 | |
| Total (\$000) | \$33,169.1 | \$33,169.1 | \$33,457.7 | \$34,180.9 | \$33,773.4 | \$37,299.2 | \$37,299.2 | \$37,299.2 | \$37,807.2 | \$40,132.0 | \$45,603.7 | \$47,063.0 | \$87,996.1 | \$89,986.4 | \$89,986.4 | |
| City of Barrie Share ¹ (\$000) | \$8,799.8 | \$8,799.8 | \$8,939.9 | \$9,054.5 | \$8,939.8 | \$9,783.6 | \$9,694.1 | \$9,556.1 | \$9,693.8 | \$10,354.1 | \$11,738.4 | \$12,069.2 | \$22,391.8 | \$22,943.1 | \$22,690.8 | |



Weighted Taxable Assessment Excluding City of Orillia & County of Simcoe:

| LAND | | | | | | | | # of Hectares | | | | | | | | UNIT COST |
|---|------------|------------|------------|------------|------------|------------|------------|---------------|------------|------------|------------|------------|------------|------------|------------|-------------|
| Station Name | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | (\$/sq.ft.) |
| Alliston Station | 0.43 | 0.43 | 0.43 | 0.43 | 0.43 | 0.43 | 0.43 | 0.43 | 0.43 | 0.58 | 0.58 | 0.58 | 0.58 | 0.58 | 0.58 | \$1,500,000 |
| Angus Station | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 | \$1,500,000 |
| Barrie North Station | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | \$1,500,000 |
| Barrie Tiffin Station | 0.55 | 0.55 | 0.55 | 0.55 | 0.55 | 0.55 | 0.55 | 0.55 | 0.55 | 0.55 | 0.55 | 0.55 | 0.55 | 0.55 | 0.55 | \$1,500,000 |
| Bradford Station | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | \$1,500,000 |
| Coldwater Station | 1.16 | 1.16 | 1.16 | 1.16 | 1.16 | 1.16 | 1.16 | 1.16 | 1.16 | 1.16 | 1.16 | 1.16 | 1.16 | 1.16 | 1.16 | \$1,200,000 |
| Collingwood Station | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.28 | 0.28 | 0.28 | \$1,200,000 |
| Craighurst Station | 2.57 | 2.57 | 2.57 | 2.57 | 2.57 | 2.57 | 2.57 | 2.57 | 2.57 | 2.57 | 2.57 | 2.57 | 2.57 | 2.57 | 2.57 | \$1,200,000 |
| Elmvale Station | 0.12 | 0.12 | 0.12 | 0.12 | 0.12 | 0.12 | 0.12 | 0.12 | 0.12 | 0.12 | 0.12 | 0.12 | 0.12 | 0.29 | 0.29 | \$1,200,000 |
| Midland Station | 0.82 | 0.82 | 0.82 | 0.82 | 0.82 | 0.82 | 0.82 | 0.82 | 0.82 | 0.82 | 0.82 | 0.82 | 0.82 | 0.82 | 0.82 | \$1,200,000 |
| Orillia Station | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.36 | 0.24 | 0.24 | 0.24 | 0.24 | \$1,200,000 |
| Ramara (Brechin) | - | - | - | - | - | - | - | - | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | \$1,200,000 |
| Stayner Station | - | - | - | - | - | 0.64 | 0.64 | 0.64 | 0.64 | 0.64 | 0.64 | 0.64 | 0.64 | 0.64 | 0.64 | \$1,200,000 |
| Stroud Station | 0.61 | 0.61 | 0.61 | 0.61 | 0.61 | 0.61 | 0.61 | 0.61 | 0.61 | 0.61 | 0.61 | 0.61 | 0.61 | 0.61 | 0.61 | \$1,500,000 |
| New Tecumseth (Tottenham) | - | - | 0.62 | 0.62 | 0.62 | 0.62 | 0.62 | 0.62 | 0.62 | 0.62 | 0.62 | 0.62 | 0.62 | 0.62 | 0.62 | \$1,500,000 |
| Wasga Beach Station | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | \$1,200,000 |
| Washago Station | 0.55 | 0.55 | 0.55 | 0.55 | 0.55 | 0.55 | 0.55 | 0.55 | 0.55 | 0.55 | 0.55 | 0.55 | 0.55 | 0.55 | 0.55 | \$1,200,000 |
| Administration Centre | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | \$1,500,000 |
| Barrie Simcoe Emergency Services Campus | - | - | - | - | - | - | - | - | - | 2.29 | 2.29 | 2.29 | 2.29 | 2.29 | 2.29 | \$1,500,000 |
| Central East Barrie (downtown) | - | - | - | - | - | - | - | - | - | - | - | 0.03 | 0.03 | 0.03 | 0.03 | \$1,500,000 |
| Beeton Station | - | - | - | - | - | - | - | - | - | - | - | 0.55 | 0.55 | 0.55 | 0.55 | \$1,500,000 |
| Oro | - | - | - | - | - | - | - | - | - | 0.0014 | 0.0014 | 0.0014 | 0.0014 | 0.001 | 0.001 | \$1,200,000 |
| Innisfil | - | - | - | - | - | - | - | - | - | 0.006 | 0.006 | 0.006 | 0.006 | 0.006 | 0.006 | \$1,500,000 |
| Penetanguishene | - | - | - | - | - | - | - | - | - | - | 0.007 | 0.007 | 0.007 | 0.007 | 0.007 | \$1,200,000 |
| Everett | - | - | - | - | - | - | - | - | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | \$1,500,000 |
| Perkinsfield | - | - | - | - | - | - | - | - | - | 0.005 | 0.005 | 0.005 | 0.005 | 0.005 | 0.005 | \$1,200,000 |
| Bradford Street Warehouse | - | - | - | - | - | - | - | - | - | - | 0.034 | 0.034 | 0.034 | 0.034 | 0.034 | \$1,500,000 |
| | | | | | | | | | | | | | | | | |
| Total (ha) | 8.40 | 8.40 | 9.02 | 9.02 | 9.02 | 9.66 | 9.66 | 9.66 | 9.67 | 12.12 | 12.16 | 12.62 | 12.75 | 12.92 | 12.92 | |
| Total (\$000) | \$10,848.0 | \$10,848.0 | \$11,778.0 | \$11,778.0 | \$11,778.0 | \$12,546.0 | \$12,546.0 | \$12,546.0 | \$12,555.5 | \$16,227.3 | \$16,287.8 | \$17,013.8 | \$17,169.8 | \$17,377.9 | \$17,377.9 | |
| City of Barrie Share ¹ (\$000) | \$2,878.0 | \$2,878.0 | \$3,147.1 | \$3,120.0 | \$3,117.6 | \$3,290.8 | \$3,260.7 | \$3,214.3 | \$3,219.2 | \$4,186.7 | \$4,192.5 | \$4,363.1 | \$4,369.1 | \$4,430.7 | \$4,382.0 | |



Weighted Taxable Assessment Excluding City of Orillia & County of Simcoe:

| VEHICLES | | | | | | | | # of Vehicles | | | | | | | | UNIT COST |
|--|------------|------------|------------|------------|------------|------------|------------|---------------|------------|------------|------------|------------|------------|------------|------------|--------------|
| Vehicle Type | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | (\$/vehicle) |
| Ambulance | 39 | 39 | 39 | 39 | 39 | 39 | 39 | 41 | 42 | 42 | 42 | 43 | 43 | 46 | 46 | \$279,600 |
| Emergency Response Vehicle (ERV) | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 13 | 14 | 16 | 18 | 18 | 18 | \$147,800 |
| Emergency Support Unit (ESU) | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | \$55,200 |
| Logistics Support Vehicle (LSV) | - | - | - | - | - | - | - | - | 2 | 2 | 2 | 2 | 2 | 2 | 2 | \$55,200 |
| Mobile Command Centre | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | \$220,900 |
| Director Vehicle | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | \$48,300 |
| Public Access Defibrillation (PAD) Vehicle | 2 | 2 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | \$35,900 |
| ATV | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | \$16,500 |
| ATV Trailer | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 3 | 2 | 2 | 2 | \$3,500 |
| Gator | - | - | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | - | - | - | - | - | \$82,800 |
| Golf Cart | - | - | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | - | - | - | - | - | \$6,900 |
| Emergency Support Unit (ESU) Trailer | - | - | - | 2 | 2 | 2 | 2 | 2 | - | - | - | - | - | - | - | \$11,100 |
| Paramedicine Vehicle | - | - | - | - | - | - | - | - | - | 1 | 1 | 1 | 1 | 1 | 1 | \$55,200 |
| Public Relations Vehicle | - | - | - | - | - | - | - | - | - | 1 | 1 | 1 | 1 | 1 | 1 | \$55,200 |
| | | | | | | | | | | | | | | | | |
| Total (#) | 54 | 55 | 58 | 59 | 59 | 59 | 59 | 61 | 62 | 68 | 67 | 73 | 74 | 77 | 77 | |
| Total (\$000) | \$12,503.0 | \$12,558.2 | \$12,795.7 | \$12,782.0 | \$12,782.0 | \$12,782.0 | \$12,782.0 | \$13,341.2 | \$13,709.0 | \$14,410.6 | \$14,468.7 | \$15,067.4 | \$15,359.5 | \$16,198.3 | \$16,198.3 | |
| City of Barrie Share (\$000) | \$3,317.0 | \$3,331.7 | \$3,419.0 | \$3,386.0 | \$3,383.4 | \$3,352.7 | \$3,322.0 | \$3,418.0 | \$3,515.0 | \$3,717.9 | \$3,724.2 | \$3,864.0 | \$3,908.4 | \$4,130.0 | \$4,084.5 | |



Weighted Taxable Assessment Excluding City of Orillia & County of Simcoe:

| FURNITURE & EQUIPMENT | | | | | | | | | | To | tal Value o | of Fu | rniture & l | Equi | pment (\$) | | | | | | | | |
|---|----|---------|------|---------|------|---------|--------------|--------------|--------------|----|-------------|-------|-------------|------|------------|----|---------|--------------|-----|---------|--------------|---------------|---------------|
| Station Name | : | 2008 | 20 | 09 | 20 | 10 | 2011 | 2012 | 2013 | | 2014 | | 2015 | | 2016 | 2 | 2017 | 2018 | - 2 | 2019 | 2020 | 2021 | 2022 |
| Alliston Station | \$ | 49,478 | \$ 4 | 19,478 | \$ 4 | 19,478 | \$ 49,478 | \$ 49,478 | \$ 50,962 | \$ | 50,962 | \$ | 50,962 | \$ | 50,962 | \$ | 50,962 | \$ 63,917 | \$ | 63,917 | \$ 63,917 | \$ 63,917 | \$ 63,917 |
| Angus Station | \$ | 45,962 | \$ 4 | 15,962 | \$ 4 | 45,962 | \$ 45,962 | \$ 45,962 | \$ 47,340 | \$ | 47,340 | \$ | 47,340 | \$ | 47,340 | \$ | 47,340 | \$ 47,340 | \$ | 47,340 | \$ 47,340 | \$ 47,340 | \$ 47,340 |
| Barrie North Station | \$ | 63,314 | \$ 6 | 53,314 | \$ 6 | 53,314 | \$ 63,314 | \$ 63,314 | \$ 65,213 | \$ | 65,213 | \$ | 65,213 | \$ | 65,213 | \$ | 65,213 | \$ 65,213 | \$ | 65,213 | \$ 65,213 | \$ 65,213 | \$ 65,213 |
| Barrie Tiffin Station | \$ | 83,223 | \$ 8 | 33,223 | \$ 8 | 33,223 | \$ 83,223 | \$ 83,223 | \$ 85,720 | \$ | 85,720 | \$ | 85,720 | \$ | 85,720 | \$ | 85,720 | \$ 85,720 | \$ | 85,720 | \$ 85,720 | \$ 85,720 | \$ 85,720 |
| Bradford Station | \$ | 51,432 | \$ 5 | 51,432 | \$ 5 | 51,432 | \$ 51,432 | \$ 51,432 | \$ 52,975 | \$ | 52,975 | \$ | 52,975 | \$ | 52,975 | \$ | 52,975 | \$ 52,975 | \$ | 52,975 | \$ 52,975 | \$ 52,975 | \$ 52,975 |
| Coldwater Station | \$ | 30,551 | \$ 3 | 30,551 | \$ 3 | 30,551 | \$ 30,551 | \$ 30,551 | \$ 31,468 | \$ | 31,468 | \$ | 31,468 | \$ | 31,468 | \$ | 31,468 | \$ 31,468 | \$ | 31,468 | \$ 31,468 | \$ 31,468 | \$ 31,468 |
| Collingwood Station | \$ | 52,198 | \$ 5 | 52,198 | \$ 5 | 52,198 | \$ 52,198 | \$ 52,198 | \$ 53,764 | \$ | 53,764 | \$ | 53,764 | \$ | 53,764 | \$ | 53,764 | \$ 53,764 | \$ | 53,764 | \$ 53,764 | \$ 23,245 | \$ 23,245 |
| Craighurst Station | \$ | 43,586 | \$ 4 | 13,586 | \$ 4 | 43,586 | \$ 43,586 | \$ 43,586 | \$ 44,894 | \$ | 44,894 | \$ | 44,894 | \$ | 44,894 | \$ | 44,894 | \$ 44,894 | \$ | 44,894 | \$ 44,894 | \$ 44,894 | \$ 44,894 |
| Elmvale Station | \$ | 25,134 | \$ 2 | 25,134 | \$ 2 | 25,134 | \$ 25,134 | \$ 25,134 | \$ 25,888 | \$ | 25,888 | \$ | 25,888 | \$ | 25,888 | \$ | 25,888 | \$ 25,888 | \$ | 25,888 | \$ 25,888 | \$ 25,888 | \$ 47,865 |
| Midland Station | \$ | 48,483 | \$ 4 | 18,483 | \$ 4 | 48,483 | \$ 48,483 | \$ 48,483 | \$ 49,937 | \$ | 49,937 | \$ | 49,937 | \$ | 49,937 | \$ | 49,937 | \$ 49,937 | \$ | 49,937 | \$ 49,937 | \$ 49,937 | \$ 49,937 |
| Orillia Ambulance Station | \$ | 86,687 | \$ 8 | 36,687 | \$ 8 | 36,687 | \$ 86,687 | \$ 86,687 | \$ 89,287 | \$ | 89,287 | \$ | 89,287 | \$ | 89,287 | \$ | 89,287 | \$ 89,287 | \$ | 89,287 | \$ 30,636 | \$ 30,636 | \$ 30,636 |
| Ramara (Brechin) | \$ | - | \$ | - | \$ | - | \$ | \$ - | \$ - | \$ | - | \$ | - | \$ | - | \$ | 1,808 | \$ 1,808 | \$ | 1,808 | \$ 1,808 | \$ 1,808 | \$ 1,808 |
| Stayner Station | \$ | - | \$ | - | \$ | - | \$ - | \$ - | \$ - | \$ | 75,355 | \$ | 75,355 | \$ | 75,355 | \$ | 75,355 | \$ 75,355 | \$ | 75,355 | \$ 75,355 | \$ 75,355 | \$ 75,355 |
| Stroud Ambulance Station | \$ | 50,039 | \$ 5 | 50,039 | \$ 5 | 50,039 | \$ 50,039 | \$ 50,039 | \$ 51,540 | \$ | 51,540 | \$ | 51,540 | \$ | 51,540 | \$ | 51,540 | \$ 51,540 | \$ | 51,540 | \$ 51,540 | \$ 51,540 | \$ 51,540 |
| New Tecumseth (Tottenham) | \$ | 7,021 | \$ | 7,021 | \$ | 7,021 | \$ 7,021 | \$ 7,021 | \$ 7,231 | \$ | 7,231 | \$ | 7,231 | \$ | 7,231 | \$ | 7,231 | \$ 7,231 | \$ | 7,231 | \$ 7,231 | \$ 7,231 | \$ 7,231 |
| Wasga Beach Ambulance Station | \$ | 43,329 | \$ 4 | 13,329 | \$ 4 | 43,329 | \$ 43,329 | \$ 43,329 | \$ 44,629 | \$ | 44,629 | \$ | 44,629 | \$ | 44,629 | \$ | 44,629 | \$ 44,629 | \$ | 44,629 | \$ 44,629 | \$ 44,629 | \$ 44,629 |
| Washago Ambulance Station | \$ | 43,586 | \$ 4 | 13,586 | \$ 4 | 43,586 | \$ 43,586 | \$ 43,586 | \$ 44,894 | \$ | 44,894 | \$ | 44,894 | \$ | 44,894 | \$ | 44,894 | \$ 44,894 | \$ | 44,894 | \$ 44,894 | \$ 44,894 | \$ 44,894 |
| Administration Centre | \$ | 58,505 | \$ 5 | 8,505 | \$ 5 | 58,505 | \$ 58,505 | \$ 58,505 | \$ 60,260 | \$ | 60,260 | \$ | 60,260 | \$ | 60,260 | \$ | 60,260 | \$ 60,260 | \$ | 60,260 | \$ 60,260 | \$ 60,260 | \$ 60,260 |
| Barrie Simcoe Emergency Services Campus | \$ | - | \$ | - | \$ | - | \$ | \$ - | \$ - | \$ | - | \$ | - | \$ | - | \$ | - | \$ - | \$ | - | \$ - | \$ 385,664 | \$ 385,664 |
| Central East Barrie (downtown) | \$ | - | \$ | - | \$ | - | \$ | \$ - | \$ - | \$ | - | \$ | - | \$ | - | \$ | - | \$ - | \$ | - | \$ - | \$ - | \$ - |
| Beeton Station | \$ | - | \$ | - | \$ | - | \$ | \$ - | \$ - | \$ | - | \$ | - | \$ | - | \$ | - | \$ - | \$ | 10,339 | \$ 10,339 | \$ 10,339 | \$ 10,339 |
| Oro | \$ | - | \$ | - | \$ | - | \$ | \$ - | \$ - | \$ | - | \$ | - | \$ | - | \$ | - | \$ 1,808 | \$ | 1,808 | \$ 1,808 | \$ 1,808 | \$ 1,808 |
| Innisfil | \$ | - | \$ | - | \$ | - | \$ | \$ - | \$ - | \$ | - | \$ | - | \$ | - | \$ | - | \$ 1,808 | \$ | 1,808 | \$ 1,808 | \$ 1,808 | \$ 1,808 |
| Penetanguishene | \$ | - | \$ | - | \$ | - | \$ - | \$ - | \$ - | \$ | - | \$ | - | \$ | - | \$ | - | \$ - | \$ | 1,808 | \$ 1,808 | \$ 1,808 | \$ 1,808 |
| Everett | \$ | - | \$ | - | \$ | - | \$ | \$ - | \$ - | \$ | - | \$ | - | \$ | - | \$ | 1,808 | \$ 1,808 | \$ | 1,808 | \$ 1,808 | \$ 1,808 | 1,808 |
| Perkinsfield | \$ | - | \$ | - | \$ | - | \$ - | \$ - | \$ - | \$ | - | \$ | - | \$ | - | \$ | - | \$ 1,808 | \$ | 1,808 | \$ 1,808 | \$ 1,808 | \$ 1,808 |
| Bradford Street Warehouse | \$ | = | \$ | - | \$ | - | \$ - | \$ - | \$ = | \$ | - | \$ | = | \$ | - | \$ | - | \$ - | \$ | 3,013 | \$ 3,013 | \$ 3,013 | \$ 3,013 |
| Total (\$000) | | \$782.5 | | \$782.5 | | \$782.5 | \$782.5 | \$782.5 | \$806.0 | | \$881.4 | | \$881.4 | | \$881.4 | | \$885.0 | \$903.4 | | \$918.5 | \$859.9 | \$1,215.0 | \$1,237.0 |
| City of Barrie Share ¹ (\$000) | | \$207.6 | \$ | 207.6 | \$ | 209.1 | \$207.3 | \$207.1 | \$211.4 | | \$229.1 | | \$225.8 | | \$226.0 | | \$228.3 | \$232.5 | | \$235.5 | \$218.8 | \$309.8 | \$311.9 |

¹ County of Simcoe currently manages and operates the paramedic services for its towns and townships as well as the separated cities (Barrie & Orillia). Cities of Barrie and Orillia have a cost-sharing agreement with the County, and their shares are based on weighted taxable assessment values of 26% and 6% respectively

| | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 |
|---------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Barrie Share: | 26.5300% | 26.5300% | 26.7200% | 26.4900% | 26.4700% | 26.2300% | 25.9900% | 25.6200% | 25.6400% | 25.8000% | 25.7400% | 25.6447% | 25.4464% | 25.4962% | 25.2158% |



CITY OF BARRIE CALCULATION OF SERVICE LEVELS AMBULANCE SERVICES

| | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 |
|------------------------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| Historical Population | 131,431 | 132,957 | 134,501 | 136,063 | 137,121 | 138,187 | 139,261 | 140,343 | 141,434 | 142,690 | 143,958 | 145,237 | 146,527 | 147,829 | 152,641 |
| Historical Employment | 61,563 | 62,217 | 62,892 | 63,590 | 64,392 | 65,205 | 66,030 | 66,866 | 67,715 | 69,210 | 70,730 | 72,730 | 53,890 | 57,330 | 65,310 |
| Historical Population & Employment | 192,994 | 195,174 | 197,393 | 199,653 | 201,513 | 203,392 | 205,291 | 207,209 | 209,149 | 211,900 | 214,688 | 217,967 | 200,417 | 205,159 | 217,951 |

INVENTORY SUMMARY (\$000) - County Share Only

| Buildings | \$8,799.8 | \$8,799.8 | \$8,939.9 | \$9,054.5 | \$8,939.8 | \$9,783.6 | \$9,694.1 | \$9,556.1 | \$9,693.8 | \$10,354.1 | \$11,738.4 | \$12,069.2 | \$22,391.8 | \$22,943.1 | \$22,690.8 |
|-----------------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| Land | \$2,878.0 | \$2,878.0 | \$3,147.1 | \$3,120.0 | \$3,117.6 | \$3,290.8 | \$3,260.7 | \$3,214.3 | \$3,219.2 | \$4,186.7 | \$4,192.5 | \$4,363.1 | \$4,369.1 | \$4,430.7 | \$4,382.0 |
| Vehicles | \$3,317.0 | \$3,331.7 | \$3,419.0 | \$3,386.0 | \$3,383.4 | \$3,352.7 | \$3,322.0 | \$3,418.0 | \$3,515.0 | \$3,717.9 | \$3,724.2 | \$3,864.0 | \$3,908.4 | \$4,130.0 | \$4,084.5 |
| Furniture & Equipment | \$207.6 | \$207.6 | \$209.1 | \$207.3 | \$207.1 | \$211.4 | \$229.1 | \$225.8 | \$226.0 | \$228.3 | \$232.5 | \$235.5 | \$218.8 | \$309.8 | \$311.9 |
| Total (\$000) | \$15,202.4 | \$15,217.0 | \$15,715.1 | \$15,767.8 | \$15,648.0 | \$16,638.5 | \$16,505.9 | \$16,414.2 | \$16,654.0 | \$18,487.0 | \$19,887.7 | \$20,531.8 | \$30,888.2 | \$31,813.5 | \$31,469.2 |

SERVICE LEVEL (\$/population & employment)

Average Service Level

| | | | | | | | | | | | | | | | | Level |
|------------------------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|----------|----------|----------|---------|
| Buildings | \$45.60 | \$45.09 | \$45.29 | \$45.35 | \$44.36 | \$48.10 | \$47.22 | \$46.12 | \$46.35 | \$48.86 | \$54.68 | \$55.37 | \$111.73 | \$111.83 | \$104.11 | \$60.00 |
| Land | \$14.91 | \$14.75 | \$15.94 | \$15.63 | \$15.47 | \$16.18 | \$15.88 | \$15.51 | \$15.39 | \$19.76 | \$19.53 | \$20.02 | \$21.80 | \$21.60 | \$20.11 | \$17.50 |
| Vehicles | \$17.19 | \$17.07 | \$17.32 | \$16.96 | \$16.79 | \$16.48 | \$16.18 | \$16.50 | \$16.81 | \$17.55 | \$17.35 | \$17.73 | \$19.50 | \$20.13 | \$18.74 | \$17.49 |
| Furniture & Equipment | \$1.08 | \$1.06 | \$1.06 | \$1.04 | \$1.03 | \$1.04 | \$1.12 | \$1.09 | \$1.08 | \$1.08 | \$1.08 | \$1.08 | \$1.09 | \$1.51 | \$1.43 | \$1.12 |
| Total (\$/population & employment) | \$78.77 | \$77.97 | \$79.61 | \$78.98 | \$77.65 | \$81.81 | \$80.40 | \$79.22 | \$79.63 | \$87.24 | \$92.64 | \$94.20 | \$154.12 | \$155.07 | \$144.39 | \$96.11 |

CITY OF BARRIE
CALCULATION OF MAXIMUM ALLOWABLE
AMBULANCE SERVICES

| 10-Year Funding Envelope Calculation | |
|--|-------------|
| 10 Year Average Service Level 2008-2022 | \$96.11 |
| Net Population & Employment Growth 2023-2032 | 73,289 |
| Maximum Allowable Funding Envelope | \$7,043,806 |



APPENDIX B.6 TABLE B.6-2

CITY OF BARRIE DEVELOPMENT-RELATED CAPITAL PROGRAM AMBULANCE SERVICES

| | | | | Gross | | Grants/ | Net | Inelig | ible Cos | sts | Total | | | DC | Eligible Costs | | |
|---------------|--|------|--------|-------------|------|--------------|-----------------|--------|----------|------------|-----------------|----|----------|----|----------------|----|------------|
| Project Des | cription | Tir | ming | Project | Sub | sidies/Other | Municipal | BTE | Re | eplacement | C Eligible | A۱ | vailable | | 2023- | Po | ost-Period |
| | | | | Cost | F | Recoveries | Cost | (%) | & | BTE Shares | Costs | DC | Reserves | | 2032 | ı | Benefit* |
| 6.0 AMBULANCE | SERVICES | | | | | | | | | | | | | | | | |
| 6.1 Recov | ery of Negative Reserve Fund Balance | | | | | | | | | | | | | | | | |
| 6.1.1 | Balance as at December 31st, 2022 | 2023 | - 2023 | \$ 3,071,12 | 9 \$ | - | \$ 3,071,129 | 0% | \$ | - | \$ 3,071,129 | \$ | - | \$ | 3,071,129 | \$ | |
| | Subtotal Recovery of Negative Reserve Fund Balance | | | \$ 3,071,12 | 9 \$ | - | \$ 3,071,129 | | \$ | - | \$ 3,071,129 | \$ | - | \$ | 3,071,129 | \$ | - |
| 6.2 Prior | Growth Projects | | | | | | | | | | | | | | | | |
| 6.2.1 | Southwest Barrie Paramedic Station | 2029 | - 2030 | \$ 509,17 | 3 \$ | - | \$ 509,173 | 68% | \$ | 346,237 | \$ 162,936 | \$ | - | \$ | - | \$ | 162,936 |
| 6.2.2 | Waubaushene Paramedic Station | 2023 | - 2023 | \$ 781,95 | 9 \$ | - | \$ 781,959 | 34% | \$ | 265,866 | \$ 516,093 | \$ | - | \$ | 516,093 | \$ | |
| 6.2.3 | LTP - RRU Enhancements | 2023 | - 2024 | \$ 134,47 | 1 \$ | - | \$ 134,471 | 0% | \$ | - | \$ 134,471 | \$ | - | \$ | 134,471 | \$ | - |
| 6.2.4 | Ambulance Enhancements | 2023 | - 2031 | \$ 1,563,59 | 4 \$ | - | \$ 1,563,594 | 0% | \$ | - | \$ 1,563,594 | \$ | - | \$ | 156,359 | \$ | 1,407,235 |
| | Subtotal Prior Growth Projects | | | \$ 2,989,19 | 7 \$ | - | \$ 2,989,197 | | \$ | 612,103 | \$ 2,377,094 | \$ | - | \$ | 806,924 | \$ | 1,570,171 |
| 6.3 New F | Paramedic Stations - Barrie's Share Only | | | | | | | | | | | | | | | | |
| 6.3.1 | Bradford | 2023 | - 2023 | \$ 592,84 | 4 \$ | - | \$ 592,844 | 34% | \$ | 201,567 | \$ 391,277 | \$ | - | \$ | 391,277 | \$ | - |
| 6.3.2 | Severn | 2023 | - 2023 | \$ 1,018,90 | 4 \$ | - | \$ 1,018,904 | 34% | \$ | 346,427 | \$ 672,476 | \$ | - | \$ | 672,476 | \$ | |
| 6.3.3 | Oro South | 2026 | - 2027 | \$ 1,127,70 | 0 \$ | - | \$ 1,127,700 | 34% | \$ | 383,418 | \$ 744,282 | \$ | - | \$ | - | \$ | 744,282 |
| 6.3.4 | Barrie Big Bay Paramedic Station | 2027 | - 2028 | \$ 896,37 | 7 \$ | - | \$ 896,377 | 34% | \$ | 304,768 | \$ 591,609 | \$ | - | \$ | - | \$ | 591,609 |
| 6.3.5 | Barrie Central West Paramedic Station | 2023 | - 2024 | \$ 775,29 | 3 \$ | - | \$ 775,293 | 34% | \$ | 263,600 | \$ 511,693 | \$ | - | \$ | 511,693 | \$ | |
| 6.3.6 | Innisfil/Alcona Paramedic Station Post #7 | 2024 | - 2025 | \$ 1,460,29 | 2 \$ | - | \$ 1,460,292 | 34% | \$ | 496,499 | \$ 963,793 | \$ | - | \$ | - | \$ | 963,793 |
| 6.3.7 | Wasaga Beach Paramedic Station | 2023 | - 2024 | \$ 886,88 | 0 \$ | | \$ 886,880 | 34% | \$ | 301,539 | \$ 585,341 | \$ | - | \$ | 383,037 | \$ | 202,304 |
| | Subtotal New Paramedic Stations - Barrie's Share Only | | | \$ 6,758,29 | 0 \$ | - | \$ 6,758,290 | | \$ | 2,297,818 | \$ 4,460,471 | \$ | - | \$ | 1,958,484 | \$ | 2,501,987 |
| 6.4 Other | New Paramedic Stations - Land | | | | | | | | | | | | | | | | |
| 6.4.1 | Tiny/Perkinsfield | 2025 | - 2025 | \$ 300,00 | 0 \$ | 224,353 | \$ 75,647 | 34% | \$ | 25,720 | \$ 49,927 | \$ | | \$ | - | \$ | 49,927 |
| 6.4.2 | Oro North | 2028 | - 2028 | \$ 500,00 | 0 \$ | 373,921 | \$ 126,079 | 34% | \$ | 42,867 | \$ 83,212 | \$ | - | \$ | - | \$ | 83,212 |
| 6.4.3 | Everett | 2030 | - 2030 | \$ 500,00 | 0 \$ | 373,921 | \$ 126,079 | 34% | \$ | 42,867 | \$ 83,212 | \$ | - | \$ | - | \$ | 83,212 |
| 6.4.4 | Tottenham | 2030 | - 2030 | \$ 383,52 | 3 \$ | 286,815 | \$ 96,708 | 34% | \$ | 32,881 | \$ 63,828 | \$ | - | \$ | - | \$ | 63,828 |
| 6.4.5 | Springwater South Paramedic Station - Snow Valley Road | 2023 | - 2023 | \$ 150,00 | 0 \$ | 112,176 | \$ 37,824 | 34% | \$ | 12,860 | \$ 24,964 | \$ | - | \$ | 24,964 | \$ | - |
| 6.4.6 | Victoria Harbour Paramedic Station | 2023 | - 2023 | \$ 120,00 | | 89,741 | \$ 30,259 | 34% | \$ | 10,288 | \$ 19,971 | \$ | - | \$ | 19,971 | \$ | - |
| | Subtotal Other New Paramedic Stations - Land | | | \$ 1,953,52 | 3 \$ | 1,460,927 | \$ 492,596 | | \$ | 167,483 | \$ 325,114 | \$ | - | \$ | 44,935 | \$ | 280,179 |



APPENDIX B.6 TABLE B.6-2

CITY OF BARRIE DEVELOPMENT-RELATED CAPITAL PROGRAM AMBULANCE SERVICES

| | | | | Gross | | Grants/ | Net | Ineligit | ble Co | sts | 1 | Total | | | DC | Eligible Costs | | |
|---------------|---|------------|-------|------------|-----|--------------|------------------|----------|--------|-------------|----|------------|-------|---------|----|----------------|----|-----------|
| Project Descr | ription | Timing | | Project | Sub | sidies/Other | Municipal | BTE | F | Replacement | DC | Eligible | Avai | ilable | | 2023- | Po | st-Period |
| | | | | Cost | R | Recoveries | Cost | (%) | 8 | BTE Shares | (| Costs | DC Re | eserves | | 2032 | - | Benefit* |
| | | | | | | | | | | | | | | | | | | |
| 6.5 Other N | lew Paramedic Stations - Building Construction | | | | | | | | | | | | | | | | | |
| 6.5.1 | Springwater South | 2023 - 202 | 23 \$ | 2,200,946 | \$ | 1,645,960 | \$ 554,986 | 34% | \$ | 188,695 | \$ | 366,291 | \$ | - | \$ | 366,291 | \$ | - |
| 6.5.2 | Waubaushene (Vic Harbour) | 2023 - 202 | 23 \$ | 2,730,181 | \$ | 2,041,744 | \$ 688,437 | 34% | \$ | 234,069 | \$ | 454,368 | \$ | - | \$ | 454,368 | \$ | - |
| 6.5.3 | Central West Barrie | 2024 - 202 | 24 \$ | 1,388,422 | \$ | 1,038,320 | \$ 350,102 | 34% | \$ | 119,035 | \$ | 231,067 | \$ | - | \$ | - | \$ | 231,067 |
| 6.5.4 | Tiny/Perkinsfield | 2026 - 202 | 26 \$ | 1,805,162 | \$ | 1,349,976 | \$ 455,186 | 34% | \$ | 154,763 | \$ | 300,423 | \$ | - | \$ | - | \$ | 300,423 |
| 6.5.5 | Oro North | 2029 - 202 | 29 \$ | 1,745,831 | \$ | 1,305,606 | \$ 440,225 | 34% | \$ | 149,677 | \$ | 290,549 | \$ | - | \$ | - | \$ | 290,549 |
| 6.5.6 | Everett | 2031 - 203 | 31 \$ | 1,709,101 | \$ | 1,278,137 | \$ 430,963 | 34% | \$ | 146,528 | \$ | 284,436 | \$ | - | \$ | - | \$ | 284,436 |
| 6.5.7 | Tottenham | 2031 - 203 | 31 \$ | 1,709,101 | \$ | 1,278,137 | \$ 430,963 | 34% | \$ | 146,528 | \$ | 284,436 | \$ | - | \$ | - | \$ | 284,436 |
| | Subtotal Other New Paramedic Stations - Building Construction | | \$ | 13,288,744 | \$ | 9,937,881 | \$ 3,350,863 | | \$ | 1,139,293 | \$ | 2,211,570 | \$ | - | \$ | 820,659 | \$ | 1,390,910 |
| 6.6 Fleet | | | | | | | | | | | | | | | | | | |
| 6.6.1 | Paramedic Fleet | 2023 - 203 | 32 \$ | 6,775,029 | \$ | 5,066,651 | \$ 1,708,378 | 0% | \$ | - | \$ | 1,708,378 | \$ | - | \$ | 341,676 | \$ | 1,366,702 |
| | Subtotal Fleet | | \$ | 6,775,029 | \$ | 5,066,651 | \$ 1,708,378 | | \$ | - | \$ | 1,708,378 | \$ | - | \$ | 341,676 | \$ | 1,366,702 |
| TOTAL AMBUL | LANCE SERVICES | | \$ | 34,835,912 | \$ | 16,465,459 | \$ 18,370,453 | | \$ | 4,216,698 | \$ | 14,153,755 | \$ | - | \$ | 7,043,806 | \$ | 7,109,950 |

^{*}Development related costs to be considered for funding from other tools and/or future DC Studies.

| Residential Development Charge Calculation | | |
|---|-------|-------------|
| Residential Share of 2023 - 2032 DC Eligible Costs | 75.6% | \$5,321,893 |
| 10-Year Growth in Population in New Units | | 57,051 |
| Unadjusted Development Charge Per Capita | | \$93.28 |
| Non-Residential Retail Development Charge Calculation | | |
| Non-Residential Share of 2023 - 2032 DC Eligible Costs | 9.5% | \$667,814 |
| 10-Year Growth in Square Metres | | 357,960 |
| Unadjusted Retail Development Charge Per Square Metre | | \$1.87 |
| Non-Residential Non-Retail Development Charge Calculation | | |
| Non-Residential Share of 2023 - 2032 DC Eligible Costs | 15.0% | \$1,054,099 |
| 10-Year Growth in Square Metres | | 1,004,870 |
| Unadjusted Non-Retail Development Charge Per Square Metre | | \$1.05 |

| 2023 - 2032 Net Funding Envelope | \$7,043,806 |
|--|-------------------|
| Reserve Fund Balance as at December 31st, 2022 | \$ (3,071,129) |



APPENDIX B.6 TABLE 3-1

CITY OF BARRIE CASHFLOW AND DETERMINATION OF DEVELOPMENT CHARGE AMBULANCE SERVICES RESIDENTIAL DEVELOPMENT CHARGE (in \$000)

| AMBULANCE SERVICES | 2023 | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | 2030 | 2031 | 2032 | TOTAL |
|---|---------------------------------|-----------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------------|
| OPENING CASH BALANCE | (\$2,320.4) | (\$6,312.55) | (\$6,213.94) | (\$5,665.24) | (\$5,043.39) | (\$4,343.02) | (\$3,558.57) | (\$2,684.00) | (\$1,713.60) | (\$641.00) | |
| 2023 - 2032 RESIDENTIAL FUNDING REQUIREMENTS - Prior Growth (Funding from DC Reserve Balance) - Ambulance Services: Non Inflated - Ambulance Services: Inflated | \$0.0 \$4,595.7 \$4,595.7 | \$0.0 \$427.7 \$436.3 | \$0.0 \$38.9 \$40.5 | \$0.0 \$38.9 \$41.3 | \$0.0 \$38.9 \$42.2 | \$0.0 \$38.9 \$43.0 | \$0.0 \$38.9 \$43.9 | \$0.0 \$38.9 \$44.7 | \$0.0 \$38.9 \$45.6 | \$0.0 \$25.8 \$30.9 | \$0.0 \$5,321.9 \$5,364.1 |
| NEW RESIDENTIAL DEVELOPMENT - Population Growth in New Units | 5,338 | 5,483 | 5,629 | 5,778 | 5,927 | 6,075 | 6,223 | 6,367 | 6,509 | 3,722 | 57,051 |
| REVENUE - DC Receipts: Inflated | \$834.6 | \$874.4 | \$915.7 | \$958.7 | \$1,003.1 | \$1,048.7 | \$1,095.7 | \$1,143.5 | \$1,192.4 | \$695.5 | \$9,762.4 |
| INTEREST - Interest on Opening Balance - Interest on In-year Transactions | (\$127.6) (\$103.4) | (\$347.2) \$7.7 | (\$341.8) \$15.3 | (\$311.6) \$16.1 | (\$277.4) \$16.8 | (\$238.9) \$17.6 | (\$195.7) \$18.4 | (\$147.6) \$19.2 | (\$94.2) \$20.1 | (\$35.3) \$11.6 | (\$2,117.3) \$39.4 |
| TOTAL REVENUE | \$603.6 | \$534.9 | \$589.2 | \$663.2 | \$742.5 | \$827.4 | \$918.4 | \$1,015.1 | \$1,118.2 | \$671.9 | \$7,684.5 |
| CLOSING CASH BALANCE | (\$6,312.6) | (\$6,213.9) | (\$5,665.2) | (\$5,043.4) | (\$4,343.0) | (\$3,558.6) | (\$2,684.0) | (\$1,713.6) | (\$641.0) | (\$0.0) | |

2023 Adjusted Charge Per Capita \$156.35

| Allocation of Capital Program Residential Sector | 75.6% |
|--|-------|
| Non-Residential Sector | 24.4% |
| Rates for 2023 | |
| Inflation Rate: | 2.0% |
| Interest Rate on Positive Balances | 3.5% |
| Interest Rate on Negative Balances | 5.5% |
| | |



APPENDIX B.6 TABLE 3-2

CITY OF BARRIE CASHFLOW AND DETERMINATION OF DEVELOPMENT CHARGE AMBULANCE SERVICES RETAIL NON-RESIDENTIAL DEVELOPMENT CHARGE

(in \$000)

| AMBULANCE SERVICES | 2023 | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | 2030 | 2031 | 2032 | TOTAL |
|--|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| OPENING CASH BALANCE | (\$291.2) | (\$821.7) | (\$825.1) | (\$768.2) | (\$699.2) | (\$617.2) | (\$521.5) | (\$411.1) | (\$285.2) | (\$142.8) | |
| 2023 - 2032 NON-RESIDENTIAL FUNDING REQUIREMEN | TS | | | | | | | | | | |
| - Prior Growth (Funding from DC Reserve Balance) | \$0.0 | \$0.0 | \$0.0 | \$0.0 | \$0.0 | \$0.0 | \$0.0 | \$0.0 | \$0.0 | \$0.0 | \$0.0 |
| - Ambulance Services: Non Inflated | \$576.7 | \$53.7 | \$4.9 | \$4.9 | \$4.9 | \$4.9 | \$4.9 | \$4.9 | \$4.9 | \$3.2 | \$667.8 |
| - Ambulance Services: Inflated | \$576.7 | \$54.7 | \$5.1 | \$5.2 | \$5.3 | \$5.4 | \$5.5 | \$5.6 | \$5.7 | \$3.9 | \$673.1 |
| NON-RESIDENTIAL SPACE GROWTH | | | | | | | | | | | |
| - Growth in Square Metres | 24,230 | 26,920 | 29,610 | 32,300 | 35,000 | 37,690 | 40,380 | 43,070 | 45,760 | 43,000 | 357,960 |
| REVENUE | | | | | | | | | | | |
| - DC Receipts: Inflated | \$70.3 | \$79.7 | \$89.4 | \$99.4 | \$109.9 | \$120.7 | \$131.9 | \$143.5 | \$155.5 | \$149.1 | \$1,149.4 |
| INTEREST | | | | | | | | | | | |
| - Interest on Opening Balance | (\$10.2) | (\$28.8) | (\$28.9) | (\$26.9) | (\$24.5) | (\$21.6) | (\$18.3) | (\$14.4) | (\$10.0) | (\$5.0) | (\$188.4) |
| - Interest on In-year Transactions | (\$13.9) | \$0.4 | \$1.5 | \$1.6 | \$1.8 | \$2.0 | \$2.2 | \$2.4 | \$2.6 | \$2.5 | \$3.3 |
| TOTAL REVENUE | \$46.2 | \$51.3 | \$62.0 | \$74.2 | \$87.3 | \$101.1 | \$115.9 | \$131.5 | \$148.2 | \$146.6 | \$964.3 |
| CLOSING CASH BALANCE | (\$821.7) | (\$825.1) | (\$768.2) | (\$699.2) | (\$617.2) | (\$521.5) | (\$411.1) | (\$285.2) | (\$142.8) | \$0.0 | |

2023 Adjusted Charge Per Square Metre \$2.90

| Allocation of Capital Program | |
|------------------------------------|-------|
| Residential Sector | 75.6% |
| Retail | 9.5% |
| Non-Retail | 15.0% |
| Rates for 2023 | |
| Inflation Rate | 2.0% |
| Interest Rate on Positive Balances | 3.5% |
| Interest Rate on Negative Balances | 5.5% |
| | |



APPENDIX B.6 TABLE 3-3

CITY OF BARRIE CASHFLOW AND DETERMINATION OF DEVELOPMENT CHARGE AMBULANCE SERVICES NON-RETAIL NON-RESIDENTIAL DEVELOPMENT CHARGE (in \$000)

| AMBULANCE SERVICES | 2023 | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | 2030 | 2031 | 2032 | TOTAL |
|--|-------------|-------------|-------------|-------------|-------------|-------------|-----------|-----------|-----------|-----------|-----------|
| OPENING CASH BALANCE | (\$459.6) | (\$1,286.3) | (\$1,304.0) | (\$1,226.3) | (\$1,126.8) | (\$1,003.6) | (\$854.7) | (\$678.0) | (\$471.3) | (\$232.3) | |
| 2023 - 2032 NON-RESIDENTIAL FUNDING REQUIREMENTS | | | | | | | | | | | |
| - Prior Growth (Funding from DC Reserve Balance) | \$0.0 | \$0.0 | \$0.0 | \$0.0 | \$0.0 | \$0.0 | \$0.0 | \$0.0 | \$0.0 | \$0.0 | \$0.0 |
| - Ambulance Services: Non Inflated | \$910.3 | \$84.7 | \$7.7 | \$7.7 | \$7.7 | \$7.7 | \$7.7 | \$7.7 | \$7.7 | \$5.1 | \$1,054.1 |
| - Ambulance Services: Inflated | \$910.3 | \$86.4 | \$8.0 | \$8.2 | \$8.3 | \$8.5 | \$8.7 | \$8.9 | \$9.0 | \$6.1 | \$1,062.5 |
| NON-RESIDENTIAL SPACE GROWTH | | | | | | | | | | | |
| - Growth in Square Metres | 68,370 | 75,970 | 83,560 | 91,160 | 98,760 | 106,360 | 113,950 | 121,550 | 129,140 | 116,050 | 1,004,870 |
| REVENUE | | | | | | | | | | | |
| - DC Receipts: Inflated | \$122.6 | \$139.0 | \$155.9 | \$173.5 | \$191.7 | \$210.6 | \$230.1 | \$250.4 | \$271.4 | \$248.7 | \$1,994.0 |
| INTEREST | | | | | | | | | | | |
| - Interest on Opening Balance | (\$25.3) | (\$70.7) | (\$71.7) | (\$67.4) | (\$62.0) | (\$55.2) | (\$47.0) | (\$37.3) | (\$25.9) | (\$12.8) | (\$475.4) |
| - Interest on In-year Transactions | (\$13.8) | \$0.5 | \$1.5 | \$1.7 | \$1.8 | \$2.0 | \$2.2 | \$2.4 | \$2.6 | \$2.4 | \$3.4 |
| TOTAL REVENUE | \$83.6 | \$68.8 | \$85.7 | \$107.7 | \$131.6 | \$157.4 | \$185.4 | \$215.5 | \$248.1 | \$238.4 | \$1,522.0 |
| CLOSING CASH BALANCE | (\$1,286.3) | (\$1,304.0) | (\$1,226.3) | (\$1,126.8) | (\$1,003.6) | (\$854.7) | (\$678.0) | (\$471.3) | (\$232.3) | \$0.0 | |

| 2023 Adjusted Charge Per Square Metre | \$1.79 | |
|---------------------------------------|--------|--|
| | | |

| Residential Sector | 75.6% |
|------------------------------------|-------|
| Retail | 9.5% |
| Non-Retail | 15.0% |
| Rates for 2023 | |
| Inflation Rate | 2.0% |
| Interest Rate on Positive Balances | 3.5% |
| Interest Rate on Negative Balances | 5.5% |



Appendix B.7 Long Term Care



Long Term Care

Long term care facilities provide a range of long term care needs, from Life Lease homes to assisted living suites, only assets and capital needs related to long term care needs are included in the development charges analysis. The Long Term Care component of this service is provided by Simcoe County and is based on a cost sharing agreement with the Cities of Barrie and Orillia. Only the City of Barrie's share of 11.17% is incorporated into the development charges calculation. The following discusses the individual components included in the Long Term Cares service category. The analysis is set out in the tables which follow.

| Table B.7-1 | Historical Service Levels and Calculation of 15-Year Average Service Level |
|-------------|--|
| Table B.7-2 | 2023-2032 Development-Related Capital Forecast and Calculation of the Growth-Related Net Capital Costs |
| Table B.7-3 | Cash Flow Analysis |

A. 15-Year Historical Service Levels and Calculation of Maximum Allowable Funding Envelope

Table B.7-1 displays the 15-year historical inventory for buildings, land, vehicles and furniture and equipment for Long Term Care. In 2022, the County of Simcoe's share was 77.99% cent of the costs, Barrie's share was 11.17%, and Orillia's shares was 10.84%. The City's historical service level does not include vehicles, furniture and equipment as those operational costs are only incurred by the County.

Simcoe County provides long term care services from four manors. In 2022, the total square footage of the manors was 497,100 with a replacement cost of \$258.50 million, of which \$28.88 million is the City of Barrie's financial



share. Georgian Village in Penetanguishene was reconstructed and expanded in 2013 and has both a Manor and a Village component. Common spaces in the facility have been split and allocated to both the manor and village based on total facility gross floor area.

The four manors occupy 10.45 hectares of land. The land for the manors is valued at \$13.27 million, of which \$1.48 million is the City of Barrie's financial responsibility.

The 2022 combined replacement value of the City's share of the inventory of capital assets for Long Term Care is \$30.36 million. The historical service level of \$203.17, multiplied by the 10-year net population growth (54,830), results in a 10-year maximum allowable funding envelope of \$11.14 million. Table 1 provides a summary of the level of service and the calculation of the 10-year funding envelope from 2023 to 2032. The calculation of the maximum allowable funding envelope is summarized as follows:

10-Year Funding Envelope Calculation – Barrie's Share

| 15-Year Average Service Level (2008 – 2022) | \$203.17 |
|---|--------------|
| Net Pop. Growth (2023 – 2032) | 54,830 |
| Maximum Allowable Funding Envelope | \$11,139,811 |

B. Development-Related Capital Program

The 2023 to 2032 development-related capital program includes the redevelopment of Simcoe Manor/Village. In total, the Long Term Care capital program amounts to \$86.28 million, with a net municipal cost of \$8.47 million for the City of Barrie. The City of Orillia and Simcoe County's shares of these projects have been reduced from the net municipal cost. A portion of the Simcoe Manor/Village redevelopment related to new affordable housing has also been excluded from the recovery total as these costs are no longer eligible for DC funding.



Of the net municipal cost, \$5.92 million or 70%, has been identified as replacement or benefit to existing share based on the redevelopment of existing beds and net new additional space. Approximately \$100,530 in available DC reserves has been applied to the total DC eligible costs and is reduced from the 2023-2032 in-period recovery.

The remaining \$2.45 million is related to development in the 2023–2032 planning period and is eligible for DC recovery. It is noted that the residential DC eligible capital costs are divided by the 10-year growth in population in new dwelling units (57,051) to derive an unadjusted charge of \$42.91 per capita.

C. Cash Flow Analysis

After cash flow consideration, the residential calculated charge decreases marginally to \$42.78 per capita which accounts for the timing of expenditures and anticipated revenues.

The following table summarizes the calculation of the Long Term Care development charge:

| | | | LONG TER | RM CARE SERVICES | SUMMARY | | | |
|---------------|----------------|-----------------------|-----------|------------------|-------------------|-----------|----------------|---------------------|
| 15-year Hist. | 202 | 3 - 2032 | | Unadjusted | | | Adjusted | |
| Service Level | Development-Re | lated Capital Program | | Development Cha | arge | | Development Cl | narge |
| per pop & emp | Total | Net DC Recoverable | \$/capita | Retail \$/sq.m | Non-Retail\$/sq.m | \$/capita | Retail \$/sq.m | Non- Retail \$/sq.m |
| \$203.17 | \$86,283,679 | \$2,447,924 | \$42.91 | \$0.00 | \$0.00 | \$42.78 | \$0.00 | \$0.00 |
| | | | | | | | | |



CITY OF BARRIE INVENTORY OF CAPITAL ASSETS LONG TERM CARE SERVICES

| BUILDINGS - MANORS | | | | | | | # - | of Square Fee | t | | | | | | | UNIT COST |
|---|-------------|-------------|-------------|-------------|-------------|-------------|-------------|---------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|--------------|
| Facility Name | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | (\$/sq. ft.) |
| Georgian Manor - Penetanguishene | 68,782 | 68,782 | 68,782 | 68,782 | 68,782 | 68,782 | 132,017 | 132,017 | 132,017 | 132,017 | 132,017 | 132,017 | 132,017 | 132,017 | 132,017 | \$520 |
| Georgian Manor - Penetanguishene (Common Areas) | - | - | - | - | - | 4,865 | 4,865 | 4,865 | 4,865 | 4,865 | 4,865 | 4,865 | 4,865 | 4,865 | 4,865 | \$520 |
| Simcoe Manor - Beeton - Long Term Care | 121,746 | 121,746 | 121,746 | 121,746 | 121,746 | 121,746 | 121,746 | 121,746 | 121,746 | 121,746 | 121,746 | 121,746 | 121,746 | 121,746 | 121,746 | \$520 |
| Sunset Manor - Collingwood - Long Term Care | 137,270 | 137,270 | 137,270 | 137,270 | 137,270 | 137,270 | 137,270 | 137,270 | 137,270 | 137,270 | 137,270 | 137,270 | 137,270 | 137,270 | 137,270 | \$520 |
| Trillium Manor - Orillia | 101,206 | 101,206 | 101,206 | 101,206 | 101,206 | 101,206 | 101,206 | 101,206 | 101,206 | 101,206 | 101,206 | 101,206 | 101,206 | 101,206 | 101,206 | \$520 |
| | | | | | | | | | | | | | | | | |
| Total (sq.ft.) | 429,004 | 429,004 | 429,004 | 429,004 | 429,004 | 433,869 | 497,104 | 497,104 | 497,104 | 497,104 | 497,104 | 497,104 | 497,104 | 497,104 | 497,104 | |
| Total (\$000) | \$223,082.1 | \$223,082.1 | \$223,082.1 | \$223,082.1 | \$223,082.1 | \$225,611.8 | \$258,494.0 | \$258,494.0 | \$258,494.0 | \$258,494.0 | \$258,494.0 | \$258,494.0 | \$258,494.0 | \$258,494.0 | \$258,494.0 | |
| City of Barrie Share ¹ (\$000) | \$24,922.7 | \$24,922.7 | \$24,922.7 | \$24,922.7 | \$24,922.7 | \$25,205.4 | \$28,878.9 | \$28,878.9 | \$28,878.9 | \$28,878.9 | \$28,878.9 | \$28,878.9 | \$28,878.9 | \$28,878.9 | \$28,878.9 | |

| LAND - MANORS | | # of Hectares | | | | | | | | | | | UNIT COST | | | |
|---|-----------|---------------|-----------|-----------|-----------|-----------|------------|------------|------------|------------|------------|------------|------------|------------|------------|--------------|
| Facility Name | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | (\$/ha) |
| Georgian Manor - Penetanguishene | 0.17 | 0.17 | 0.17 | 0.17 | 0.17 | 0.17 | 3.77 | 3.77 | 3.77 | 3.77 | 3.77 | 3.77 | 3.77 | 3.77 | 3.77 | \$ 1,200,000 |
| Simcoe Manor - Beeton | 2.45 | 2.45 | 2.45 | 2.45 | 2.45 | 2.45 | 2.45 | 2.45 | 2.45 | 2.45 | 2.45 | 2.45 | 2.45 | 2.45 | 2.45 | \$ 1,500,000 |
| Sunset Manor - Collingwood | 2.57 | 2.57 | 2.57 | 2.57 | 2.57 | 2.57 | 2.57 | 2.57 | 2.57 | 2.57 | 2.57 | 2.57 | 2.57 | 2.57 | 2.57 | \$ 1,200,000 |
| Trillium Manor - Orillia | 1.66 | 1.66 | 1.66 | 1.66 | 1.66 | 1.66 | 1.66 | 1.66 | 1.66 | 1.66 | 1.66 | 1.66 | 1.66 | 1.66 | 1.66 | \$ 1,200,000 |
| Total (ha) | 6.85 | 6.85 | 6.85 | 6.85 | 6.85 | 6.85 | 10.45 | 10.45 | 10.45 | 10.45 | 10.45 | 10.45 | 10.45 | 10.45 | 10.45 | |
| Total (\$000) | \$8,960.5 | \$8,960.5 | \$8,960.5 | \$8,960.5 | \$8,960.5 | \$8,960.4 | \$13,275.4 | \$13,275.4 | \$13,275.4 | \$13,275.0 | \$13,275.0 | \$13,275.0 | \$13,275.0 | \$13,275.0 | \$13,275.0 | |
| City of Barrie Share ¹ (\$000) | \$1,001.1 | \$1,001.1 | \$1,001.1 | \$1,001.1 | \$1,001.1 | \$1,001.1 | \$1,483.1 | \$1,483.1 | \$1,483.1 | \$1,483.1 | \$1,483.1 | \$1,483.1 | \$1,483.1 | \$1,483.1 | \$1,483.1 | |

¹ City of Barrie shares the funding and operating responsibility of all Manors with the County of Simcoe and the separated City of Orillia. The cities have a cost-sharing agreement with the County, and the City of Barrie's share is 11.17%



CITY OF BARRIE CALCULATION OF SERVICE LEVELS LONG TERM CARE SERVICES

| | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 |
|-----------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| Historical Population | 131,431 | 132,957 | 134,501 | 136,063 | 137,121 | 138,187 | 139,261 | 140,343 | 141,434 | 142,690 | 143,958 | 145,237 | 146,527 | 147,829 | 152,641 |

INVENTORY SUMMARY (\$000) - County Share Only

| Buildings - Manors | \$24,922.73 | \$24,922.73 | \$24,922.73 | \$24,922.73 | \$24,922.73 | \$25,205.35 | \$28,878.95 | \$28,878.95 | \$28,878.95 | \$28,878.95 | \$28,878.95 | \$28,878.95 | \$28,878.95 | \$28,878.95 | \$28,878.95 |
|--------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Land - Manors | \$1,001.1 | \$1,001.1 | \$1,001.1 | \$1,001.1 | \$1,001.1 | \$1,001.1 | \$1,483.1 | \$1,483.1 | \$1,483.1 | \$1,483.1 | \$1,483.1 | \$1,483.1 | \$1,483.1 | \$1,483.1 | \$1,483.1 |
| Total (\$000) | \$25,923.8 | \$25,923.8 | \$25,923.8 | \$25,923.8 | \$25,923.8 | \$26,206.4 | \$30,362.1 | \$30,362.1 | \$30,362.1 | \$30,362.0 | \$30,362.0 | \$30,362.0 | \$30,362.0 | \$30,362.0 | \$30,362.0 |

| | | | | | | | | | | | | | | | | Level |
|--------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Buildings - Manors | \$189.63 | \$187.45 | \$185.30 | \$183.17 | \$181.76 | \$182.40 | \$207.37 | \$205.77 | \$204.19 | \$202.39 | \$200.61 | \$198.84 | \$197.09 | \$195.35 | \$189.20 | \$194.03 |
| Land - Manors | \$7.62 | \$7.53 | \$7.44 | \$7.36 | \$7.30 | \$7.24 | \$10.65 | \$10.57 | \$10.49 | \$10.39 | \$10.30 | \$10.21 | \$10.12 | \$10.03 | \$9.72 | \$9.13 |
| Total (\$/capita) | \$197.24 | \$194.98 | \$192.74 | \$190.53 | \$189.06 | \$189.64 | \$218.02 | \$216.34 | \$214.67 | \$212.78 | \$210.91 | \$209.05 | \$207.21 | \$205.39 | \$198.91 | \$203.17 |

CITY OF BARRIE CALCULATION OF MAXIMUM ALLOWABLE LONG TERM CARE SERVICES

| 10-Year Funding Envelope Calculation | |
|---|--------------|
| 10 Year Average Service Level 2008 - 2022 | \$203.17 |
| Net Population Growth 2023 - 2032 | 54,830 |
| Maximum Allowable Funding Envelope | \$11,139,811 |



APPENDIX B.7 TABLE B.7-2

CITY OF BARRIE DEVELOPMENT-RELATED CAPITAL PROGRAM LONG TERM CARE

| | | Gross | Grants/ | Net | Ineligib | le Costs | Total | | DC Eligible Costs | |
|--|-------------|---------------|-----------------|--------------|----------|--------------|--------------|-------------|-------------------|-------------|
| Project Description | Timing | Project | Subsidies/Other | Municipal | BTE | Replacement | DC Eligible | Available | 2023- | Post-Period |
| | | Cost | Recoveries | Cost | (%) | & BTE Shares | Costs | DC Reserves | 2032 | Benefit* |
| 7.0 LONG TERM CARE | | | | | | | | | | |
| 7.1 Buildings | | | | | | | | | | |
| 7.1.1 Simcoe Manor/Village Redevelopment | 2023 - 2032 | \$ 86,283,679 | \$ 77,817,607 | \$ 8,466,072 | 70% | \$ 5,917,615 | \$ 2,548,456 | \$ 100,532 | \$ 2,447,924 | \$ - |
| Subtotal Buildings | | \$ 86,283,679 | \$ 77,817,607 | \$ 8,466,072 | | \$ 5,917,615 | \$ 2,548,456 | \$ 100,532 | \$ 2,447,924 | \$ - |
| TOTAL LONG TERM CARE | | \$ 86,283,679 | \$ 77,817,607 | \$ 8,466,072 | | \$ 5,917,615 | \$ 2,548,456 | \$ 100,532 | \$ 2,447,924 | \$ - |

^{*}Development related costs to be considered for funding from other tools and/or future DC Studies.

^{**} Institutional component is under review for eligibility under the DC Act and may be included in the recovery under subsequent DC Studies.

| Residential Development Charge Calculation | | |
|---|------|-------------|
| Residential Share of 2023 - 2032 DC Eligible Costs | 100% | \$2,447,924 |
| 10-Year Growth in Population in New Units | | 57,051 |
| Unadjusted Development Charge Per Capita | | \$42.91 |
| Non-Residential Retail Development Charge Calculation | | |
| Non-Residential Share of 2023 - 2032 DC Eligible Costs | 0% | \$0 |
| 10-Year Growth in Square Metres | | 357,960 |
| Unadjusted Retail Development Charge Per Square Metre | | \$0.00 |
| Non-Residential Non-Retail Development Charge Calculation | | |
| Non-Residential Share of 2023 - 2032 DC Eligible Costs | 0% | \$0 |
| 10-Year Growth in Square Metres | | 1,004,870 |
| Unadjusted Non-Retail Development Charge Per Square Metre | | \$0.00 |

| 2023 - 2032 Net Funding Envelope | \$11,139,811 |
|--|--------------|
| Reserve Fund Balance as at December 31st, 2022 | \$100,532 |



APPENDIX B.7 TABLE 3

CITY OF BARRIE CASHFLOW AND DETERMINATION OF DEVELOPMENT CHARGE LONG TERM CARE RESIDENTIAL DEVELOPMENT CHARGE (in \$000)

| LONG TERM CARE | 2023 | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | 2030 | 2031 | 2032 | TOTAL |
|---|------------------------------|------------------------------|------------------------------|------------------------------|------------------------------|------------------------------|------------------------------|------------------------------|------------------------------|------------------------------|-----------------------------------|
| OPENING CASH BALANCE | \$100.5 | \$76.82 | \$58.22 | \$45.23 | \$38.44 | \$38.32 | \$45.30 | \$59.90 | \$82.46 | \$113.46 | |
| 2023 - 2032 RESIDENTIAL FUNDING REQUIREMENTS - Prior Growth (Funding from DC Reserve Balance) - Long Term Care: Non Inflated - Long Term Care: Inflated | \$10.1 \$244.8 \$254.8 | \$10.1 \$244.8 \$259.9 | \$10.1 \$244.8 \$265.1 | \$10.1 \$244.8 \$270.4 | \$10.1 \$244.8 \$275.9 | \$10.1 \$244.8 \$281.4 | \$10.1 \$244.8 \$287.0 | \$10.1 \$244.8 \$292.7 | \$10.1 \$244.8 \$298.6 | \$10.1 \$244.8 \$304.6 | \$100.5 \$2,447.9 \$2,790.5 |
| NEW RESIDENTIAL DEVELOPMENT - Population Growth in New Units | 5,338 | 5,483 | 5,629 | 5,778 | 5,927 | 6,075 | 6,223 | 6,367 | 6,509 | 3,722 | 57,051 |
| REVENUE - DC Receipts: Inflated | \$228.3 | \$239.2 | \$250.5 | \$262.3 | \$274.4 | \$286.9 | \$299.8 | \$312.9 | \$326.2 | \$190.3 | \$2,670.9 |
| INTEREST - Interest on Opening Balance - Interest on In-year Transactions | \$3.5 (\$0.7) | \$2.7 (\$0.6) | \$2.0 (\$0.4) | \$1.6 (\$0.2) | \$1.3 (\$0.0) | \$1.3 \$0.1 | \$1.6 \$0.2 | \$2.1 \$0.4 | \$2.9 \$0.5 | \$4.0 (\$3.1) | \$23.1 (\$4.0) |
| TOTAL REVENUE | \$231.1 | \$241.4 | \$252.2 | \$263.6 | \$275.7 | \$288.4 | \$301.6 | \$315.3 | \$329.6 | \$191.1 | \$2,690.0 |
| CLOSING CASH BALANCE | \$76.8 | \$58.2 | \$45.2 | \$38.4 | \$38.3 | \$45.3 | \$59.9 | \$82.5 | \$113.5 | \$0.0 | |

2023 Adjusted Charge Per Capita \$42.78

| Allocation of Capital Program Residential Sector Non-Residential Sector | 100.0% 0.0% |
|---|----------------|
| Rates for 2023 | |
| Inflation Rate: | 2.0% |
| Interest Rate on Positive Balances | 3.5% |
| Interest Rate on Negative Balances | 5.5% |
| | |



Appendix C Transit Services Technical Appendix



Transit Services

The City of Barrie's Transit Services provides bus transit across the City via eight routes and one express route. The City also offers a Transit on Demand (ToD) service which allows users to schedule trip within a specific zone without a fixed schedule or route. The transit route is optimized through a computer-based system.

A. Ridership Analysis

In accordance with the DCA, Transit Services must be based on a "planned level of service" rather than the "15-year historical average level of service". As discussed further in Appendix C.2, for the purposes of determining the "planned level of service" for transit, the City's Transit Services development-related capital program has been informed based on existing and proposed capital budget documents, discussions with staff, and Council directed initiatives.

In addition, any background study that incorporates Transit Services into the calculation must now include the following:

- An assessment of ridership forecast for all modes of transit and whether ridership is generated from existing or planned development (O.Reg. 82/98 s.8(2)4).
- An assessment of ridership capacity for all modes of transit over the 10year forecast period (O. Reg. 82/98 s.8(2)5).

The ridership forecast for the purposes of the 2023 DC Background Study has been informed by the ridership analysis prepared by Dillion Consulting in Appendix F of the 2019 DC Background Study. As the transit network and general ridership assumptions have not fundamentally changed since the 2019 DC Background Study, the same ridership assumptions are used for the



purposes of this update and updated to reflect the planning horizon and anticipated growth. The ridership analysis is discussed further in Appendix C.1.

It is noted that the DCA requires the DC Background Study to include forecast ridership data but does not require this data be used in determining the development charge rate for projects included in the development-related capital program.

B. Planned Level of Service

The DCA (s.5.2 (3)) requires that in estimating the increase in need for Transit Services the increased need "shall not exceed the planned level of service over the 10-year period immediately following the preparation of the background study". For the purposes of the development charge calculations, the "planned level of service" is considered the 10-year development-related capital program (2023-2032), as informed by the 2019 DC Background Study, capital budgets and discussions with City staff. The capital program identified in the 2019 DC Background Study was developed to achieve the 2041 transit mode share identified in the 2019 Transportation Master Plan and is also used for the purposes of this update.

Through its approval of the DC Background Study and the related underlying capital program, Council will express its intent to ensure that the increase in need in Transit Services arising from development over the planning period will be met. The proposed Transit Services capital program is discussed in further detail in Appendix C.2.



C. Other Transit Requirements: Asset Management Plan and Long-Term Capital and Operating Impacts

Section 10 of the DCA identifies what must be included in a development charge background study. This appendix deals those requirements for Transit Services, namely:

- s.10 (2) The development charge background study shall include,
 (c) an examination, for each service to which the development charge by-law would relate, of the long term capital and operating costs for capital infrastructure required for the service;
 (c.2) an asset management plan prepared in accordance with subsection (3);
- s.10 (3) The asset management plan shall,
 - (a) deal with all assets whose capital costs are proposed to be funded under the development charge by-law;
 - (b) demonstrate that all the assets mentioned in clause (a) are financially sustainable over their full life cycle;
 - (c) contain any other information that is prescribed; and
 - (d) be prepared in a prescribed manner.

The requirement to produce an Asset Management Plan (AMP) was included as part of the DCA amendments that came into effect on January 1, 2016. A key function of the AMP is to demonstrate that all assets proposed to be funded under the development charges by-law are financially sustainable over their full life cycle.

In addition to the requirements set out in section 10 of the DCA, the associated regulations, O.Reg. 82/98, identify additional direction on the contents of the AMP for Transit Services to be addressed in a DC Background Study. However, the Regulations are silent with respect to the AMP requirements for any other services. This analysis is discussed further in Appendix C.3.



D. Overview of Transit Technical Appendices

The following describes the Transit Services analysis contained in this appendix.

Appendix C.1 – Transit Ridership Analysis

 Describes the ridership analysis required under section 8(2) of O.Reg. 82/98.

Appendix C.2 – Transit Development-Related Capital Program (2023-2032)

- Contains details on the development-related capital program including a description of projects, timing and costing.
- Includes details on cash flow considerations.

Appendix C.3 – Transit Cost of Growth Analysis

Addresses the requirements of section 10(2) of the DCA relating to the examination of long-term capital and operating impact costs for capital infrastructure and section 8(3) of O.Reg. 82/98 for a DC Background Study to include an asset management plan relating to Transit Services.



Appendix C.1 Transit Ridership Forecast



Transit Ridership Forecast

A. Transit Service Delivery in the City of Barrie

As demonstrated in Appendix A, the City of Barrie has experienced steady population and employment growth which is anticipated to continue over the forecast period. As the City continues to develop, so will the need to provide adequate levels of Transit Services.

The ridership forecast for the purposes of the 2023 DC Background Study was prepared by Hemson based on the ridership forecast and analysis prepared by Dillion Consulting as part of the 2019 DC Background Study (see Appendix F – Transit Servicing Needs). The following summarizes the transit ridership forecast.

B. Ridership Forecast

As required by the DCA, the anticipated ridership forecast includes an assessment of all modes (collectively) of transit proposed to be funded by development charges over the forecast period. For the purposes of the 2023 DC Background Study transit analysis, the PM Peak Hour Transit Trips are used.

Key inputs used from Appendix F of the 2019 DC Background Study are described below:

 Table 3: Transit Mode Share Targets to 2041 – identifies a 2041 transit mode share target of 7.0% target, derived from the 2019 Transportation Master Plan and also used for the purposes of the 2023 DC Background Study update.



- Table 7: Total, Internal, and External P.M. Peak Hour Transit Trips and Mode Share – identifies City of Barrie internal total P.M. Peak Hour Transit Trips from 2016 to 2041.
- Table 8: Ridership Forecast by Year (2018-2041) summarizes the anticipated PM Peak Hour Person Trips and Local Barrie Transit Mode Share from 2018 to 2041. The local Barrie transit mode share of 6.8% in 2041 is used for the purposes of the 2023 DC Background Study.

C. Anticipated Ridership

Table C.1-1 summarizes the key assumptions used to arrive at the ridership forecast. The 2041 mode share targets are consistent with the share identified in the 2019 DC Background Study and the 2019 TMP. The targets for 2022 and 2023 have been delayed as a result of deferred capital acquisitions and delays in the anticipated development of the Secondary Plan Areas.

Consistent with the 2019 DC Background Study, the ridership analysis was allocated using shares of net population growth over the planning horizon. The P.M. Peak Hour Transit Trips was determined based on anticipated net population growth and peak hour transit trips potential identified in the 2019 DC Background Study. Total P.M. Peak Hour Person Trips is calculated by multiplying the annual mode share targets and P.M. Peak Hour Transit Trips.



Table C.1-1 Population, P.M. Peak Hour Ridership and Mode Share Targets

| Transit Mode Share Targets | 2022 | 2023 | 2032 | 2041 |
|----------------------------|-------|-------|-------|-------|
| Secondary Plan Area | 0.00% | 0.10% | 0.67% | 1.20% |
| Former Barrie Boundary | 2.70% | 2.70% | 3.17% | 5.60% |
| Total Local Mode Share | 2.70% | 2.80% | 3.83% | 6.80% |

| Net Population | 2022 | 2023 | 2032 | 2041 |
|------------------------|---------|---------|---------|---------|
| Secondary Plan Area | 1,229 | 4,077 | 34,555 | 43,982 |
| Former Barrie Boundary | 151,412 | 153,533 | 172,916 | 201,318 |
| Total City of Barrie | 152,641 | 157,610 | 207,471 | 245,300 |

| P.M. Peak Hour Transit Trips | 2022 | 2023 | 2032 | 2041 |
|------------------------------|-------|-------|-------|--------|
| Secondary Plan Area | - | 42 | 710 | 1,508 |
| Former Barrie Boundary | 1,986 | 2,105 | 3,673 | 8,698 |
| Total City of Barrie | 1,986 | 2,147 | 4,383 | 10,206 |

| Total P.M. Peak Hour Person Trips | 73,556 | 76,679 | 114,339 | 150,088 |
|-----------------------------------|--------|--------|---------|---------|
|-----------------------------------|--------|--------|---------|---------|

Source: Dillion Consulting, 2019 and Hemson Consulting, 2023

D. Assessment of Ridership Capacity

The proposed transit infrastructure included in the Transit Services capital program is required to achieve the total P.M. Peak Hour Transit Trips of 10,206 by 2041. However, recognizing that a P.M. Peak Hour Transit Trips of 4,383 will be achieved by 2032, there is available ridership capacity at the end of the 10-year planning period.

E. Transit Ridership Allocations

Table C.1-2 provides a summary of the transit ridership allocations used to arrive at the benefit to existing share calculations for some of the Transit Services related projects.



Of particular importance, the allocations of benefit to existing were determined on a project-by-project basis and are discussed further in Appendix C.2, thus the allocations arising from the ridership analysis were not applied to all projects.

F. Benefit to Existing Share (BTE) Calculation

The benefit to existing share is calculated based using a similar methodology applied in the 2019 DC Background Study. The 2022 (base) trips in the Secondary Plan Areas and Former Municipal Boundary were calculated for a total of 369 trips (see description in Table C.1-2). The anticipated growth in P.M. Peak Hour Transit Trips over the 10-year planning period is 2,397 trips. This estimate, less the 369 "base" trips, amounts to 2,028 growth-related trips over the 10-year planning period.

Table C.1-2 Ridership Allocation

| BTE Methodology | Analysis | Description |
|--|----------|---|
| Benefit to Existing (Secondary Plan Areas | 4% | 2022 Secondary Plan Areas Population / 2032 Secondary |
| Transit Service) | | Plan Areas Population |
| Benefit to Growth (Secondary Plan Areas | 96% | 2032 Secondary Plan Areas Population - 2022 Secondary |
| Transit Service) | | Plan Areas Population) / 2022 Secondary Plan Areas |
| Number of Daily 2032 Barrie Transit Riders | 25 | Secondary Plan Areas Benefit to Existing Apportionment X |
| in the Secondary Plan Areas from Existing | | 2032 Forecast Secondary Plan Areas Transit Ridership |
| Population | | |
| 2032 P.M. Peak Transit Trips Attributed to | 343 | 2022 P.M. Peak Hour Person Trips X 2032 Local Transit |
| Existing Population in the former Barrie | | Mode Share accounted for in the former Barrie boundary |
| boundary area | | area - 2022 P.M. Peak Hour Local Transit Trips in the |
| | | former Barrie boundary area |
| Total 2032 increase in P.M. peak hour | 369 | 2032 increase in P.M. peak hour Barrie Transit trips in the |
| transit trips from existing population = | | Secondary Plan Areas from the existing population + 2032 |
| | | increase in P.M. peak hour Barrie Transit trips in the former |
| | | Barrie boundary area from the existing population |

| P.M. Peak Hour Transit Trips | Trips | % |
|------------------------------|-------|------|
| Benefit to Existing Share | 369 | 15% |
| Growth-Related Trips | 2,028 | 85% |
| Trips generated to 2023-2032 | 2,397 | 100% |



G. Post-Period Benefit Calculation

The post-period benefit has been assessed on a project-by-project basis. As the capital program is intended to meet the servicing needs associated with development to 2041, only costs intended to be funded over the 10-year planning horizon and required to meet increased ridership to 2032 have been included in the calculation.



Appendix C.2 Transit Services Development-Related Capital Program



Transit Services Development Related Capital Program

A. Description of Projects Included in the Capital Program

Table 1 provides details on the 2023-2032 development-related capital program for Transit Services. The capital program includes projects associated with the outstanding debenture payments related to the Transit Garage, bus related infrastructure, equipment as well as the construction of various transit facilities.

i. Outstanding Debentures

A total of \$8.22 million in principal payments has been included in the Transit Services capital program. The associated interest payments have been included in the DC rates and are accounted for in the cash flow analysis. Only the growth-related shares of the projects have been debenture financed and are included in the capital program.

ii. Fleet

The capital program includes the acquisition of buses over the planning horizon to 2041 including 96 conventional buses, 16 specialized transit vehicles, 14 supervisor vehicles, two fleet maintenance vehicle and one bus stop maintenance machine. The identified vehicles represent net new acquisitions.

iii. Other Equipment

The other equipment category includes transit signal priority, dynamic bus bays and infrastructure improvements related to Georgian College. Similar to the identified fleet, the equipment acquisitions represent net new infrastructure.



iv. Buildings and Facilities

The buildings and facilities category includes infrastructure that relates to the relocation and expansion of the Allendale Transit Hub, a new terminal facility in Salem and the construction of a Garage and Maintenance facility.

B. Development-Related Capital Program

i. Gross Capital Program

The 2023-2032 gross development-related capital program for Transit Services amounts to \$178.73 million.

ii. Grants, Subsidies and Other Recoveries

In total, \$19.50 million in ICIP funding is anticipated for the proposed Allendale Transit Hub. This amount is therefore reduced from the total DC eligible costs.

iii. Replacement and Benefit to Existing Shares

Approximately a total of \$16.02 million has been identified as a benefit to existing share. The following describes how the BTE shares were calculated for projects.

- Outstanding Debentures Transit Garage only the growth-related shares of the capital costs have been debenture finances, therefore no BTE shares have been identified.
- Conventional Fleet Additions & Specialized Transit Vehicles a BTE share of 15% is applied based on the ridership analysis discussed in Appendix C.1 which represents the share of projects which will benefit existing development in Barrie.
- Supervisor Vehicles are net new acquisitions required to meet the increase need arising from development and have no BTE allocation.



- Fleet Maintenance and Bus Stop Maintenance Vehicles a BTE share
 of 15% is applied based on the ridership analysis discussed in Appendix
 C.1 which represents the share of projects which will benefit existing
 development in Barrie.
- Other Equipment includes net new equipment acquisitions need to service future development which are therefore treated as full growthrelated.
- Buildings and Facilities net new facilities such as the new terminal in Salem and the Garage and Maintenance Facility are treated as fully growth related as it relates to the construction of new facilities or the expansion of existing buildings. A 53% BTE share has been applied to the Allandale Transit Hub recognizing that it will replace the downtown terminal.

iv. Available DC Reserve Fund

For the purposes of the Transit Services DC calculations, a share of existing reserve funds are assumed to be paying for space, and/or servicing capacity which has paid DCs but has yet to receive new facilities. This is in addition to the requirement of identifying BTE shares and relates to development that occurred prior to the passage of the 2023 DC by-law ("prior growth").

v. Other Development-Related / Post-Period Benefit Shares

A portion of the eligible costs have been deemed a post-period benefit and will be considered for recovery in subsequent development charge studies. This includes the acquisition of 63 conventional buses, 8 specialized transit vehicles, various supervisor vehicles and one fleet maintenance vehicle which will benefit growth occurring beyond 2032.

The proposed Salem terminal is fully attributed to post-period benefit as it is required beyond the 10-year planning horizon. A further \$53.44 million related to the Transit Garage and Maintenance facility is attributed as a



post-period benefit based on the existing/future capacity of the facility to house transit vehicles. In total, \$94.80 million is identified as a post-period benefit is removed from the DC eligible in-period share.

vi. 2023-2032 DC Eligible Development Related Costs and Residential/Non-Residential Allocation

After these adjustments the total 2022-2032 DC eligible share is reduced to \$47.96 million. This amount is brought forward to the DC calculation.

The development charge eligible cost is allocated 75.6% (\$36.23 million) against residential development, 9.5% (\$4.55 million) against retail development, and 15.0% (\$7.18 million) based on the ratio of forecast growth in population in new units and employment in new floor space. This yields unadjusted development charge rates of \$635.15 per capita, \$12.70 per square metre of retail space and \$7.14 per square metre of non-retail space.

C. Cash Flow Analysis

After cash flow and reserve fund consideration, the residential calculated charge decreases to \$582.21 per capita and the retail and non-retail charges increase slightly to \$12.81 and \$7.24 per square metre, respectively. This is a reflection of the timing of the capital program and development charges revenues.

The following table summarizes the calculation of the transit development charge:

| | | | TRANSIT SE | RVICES SUMMARY | | | |
|---------------|------------------------|-----------|------------------|-------------------|-----------|-----------------|---------------------|
| 20 | 23 - 2032 | | Unadjusted | | | Adjusted | |
| Development-R | elated Capital Program | [| Development Char | ge | | Development Cha | arge |
| Total | Net DC Recoverable | \$/capita | Retail \$/sq.m | Non-Retail\$/sq.m | \$/capita | Retail \$/sq.m | Non- Retail \$/sq.m |
| \$178,731,238 | \$47,959,936 | \$635.15 | \$12.70 | \$7.14 | \$582.21 | \$12.81 | \$7.24 |
| | | | | | | | |



APPENDIX C.2 TABLE C.2-1

CITY OF BARRIE DEVELOPMENT-RELATED CAPITAL PROGRAM TRANSIT SERVICES

| | | | Gross | Grants/ | Net | Ineligib | ble Cos | sts | Total | | DC | Eligible Costs | | |
|---|------------|------|-----------|-----------------|-----------------|--------------|---------------------------|------------|--------------|-------------|----|----------------|------|----------|
| Project Description | Timing | | Project | Subsidies/Other | Municipal | Replacement | Re | eplacement | DC Eligible | Available | | 2023- | Post | t-Period |
| | | | Cost | Recoveries | Cost | & BTE Shares | & BTE Shares & BTE Shares | | Costs | DC Reserves | | 2032 | | enefit* |
| 1.0 TRANSIT SERVICES | | | | | | | | | | | | | | |
| 1.1 Debenture Payments - Transit Garage 2015 | | | | | | | | | | | | | | |
| 1.1.1 Principal Payment | 2023 - 202 | 3 \$ | 563,415 | \$ - | \$ 563,415 | 0% | \$ | - | \$ 563,415 | \$ - | \$ | 563,415 | \$ | - |
| 1.1.2 Principal Payment | 2024 - 202 | 4 \$ | 581,589 | \$ - | \$ 581,589 | 0% | \$ | - | \$ 581,589 | \$ - | \$ | 581,589 | \$ | - |
| 1.1.3 Principal Payment | 2025 - 202 | 5 \$ | 600,348 | \$ - | \$ 600,348 | 0% | \$ | - | \$ 600,348 | \$ - | \$ | 600,348 | \$ | - |
| 1.1.4 Principal Payment | 2026 - 202 | 6 \$ | 619,713 | \$ - | \$ 619,713 | 0% | \$ | - | \$ 619,713 | \$ - | \$ | 619,713 | \$ | - |
| 1.1.5 Principal Payment | 2027 - 202 | 7 \$ | 639,703 | \$ - | \$ 639,703 | 0% | \$ | - | \$ 639,703 | \$ - | \$ | 639,703 | \$ | - |
| 1.1.6 Principal Payment | 2028 - 202 | 8 \$ | 660,337 | \$ - | \$ 660,337 | 0% | \$ | - | \$ 660,337 | \$ - | \$ | 660,337 | \$ | - |
| 1.1.7 Principal Payment | 2029 - 202 | 9 \$ | 681,637 | \$ - | \$ 681,637 | 0% | \$ | - | \$ 681,637 | \$ - | \$ | 681,637 | \$ | - |
| 1.1.8 Principal Payment | 2030 - 203 | 0 \$ | 703,624 | \$ - | \$ 703,624 | 0% | \$ | - | \$ 703,624 | \$ - | \$ | 703,624 | \$ | - |
| 1.1.9 Principal Payment | 2031 - 203 | 1 \$ | 726,320 | \$ - | \$ 726,320 | 0% | \$ | - | \$ 726,320 | \$ - | \$ | 726,320 | \$ | - |
| 1.1.10 Principal Payment | 2032 - 203 | 2 \$ | 749,748 | \$ - | \$ 749,748 | 0% | \$ | - | \$ 749,748 | \$ - | \$ | 749,748 | \$ | - |
| Subtotal Debenture Payments - Transit Garage 2015 | | \$ | 6,526,433 | \$ - | \$ 6,526,433 | | \$ | - | \$ 6,526,433 | \$ - | \$ | 6,526,433 | \$ | - |
| 1.2 Debenture Payments - Transit Garage 2016 | | | | | | | | | | | | | | |
| 1.2.1 Principal Payment | 2023 - 202 | 3 \$ | 407,602 | \$ - | \$ 407,602 | 0% | \$ | - | \$ 407,602 | \$ - | \$ | 407,602 | \$ | - |
| 1.2.2 Principal Payment | 2024 - 202 | 4 \$ | 418,020 | \$ - | \$ 418,020 | 0% | \$ | - | \$ 418,020 | \$ - | \$ | 418,020 | \$ | - |
| 1.2.3 Principal Payment | 2025 - 202 | 5 \$ | 428,705 | \$ - | \$ 428,705 | 0% | \$ | - | \$ 428,705 | \$ - | \$ | 428,705 | \$ | - |
| 1.2.4 Principal Payment | 2026 - 202 | 6 \$ | 439,664 | \$ - | \$ 439,664 | 0% | \$ | - | \$ 439,664 | \$ - | \$ | 439,664 | \$ | - |
| Subtotal Debenture Payments - Transit Garage 2016 | | \$ | 1,693,991 | \$ - | \$ 1,693,991 | | \$ | - | \$ 1,693,991 | \$ - | \$ | 1,693,991 | \$ | - |
| | | | | | | | | | | | | | | |



APPENDIX C.2 TABLE C.2-1

CITY OF BARRIE DEVELOPMENT-RELATED CAPITAL PROGRAM TRANSIT SERVICES

| | | | Gross | Grants/ | Net | Ineligib | le Costs | Total | | DC Eligible Costs | |
|---------------|--|-------------|---------------|-----------------|---------------|--------------|---------------|---------------|-------------|-------------------|---------------|
| Project Descr | ription | Timing | Project | Subsidies/Other | Municipal | Replacement | Replacement | DC Eligible | Available | 2023- | Post-Period |
| | | | Cost | Recoveries | Cost | & BTE Shares | & BTE Shares | Costs | DC Reserves | 2032 | Benefit* |
| | | | | | | | | | | | |
| 1.3 Fleet | | | | | | | | | | | |
| 1.3.1 | Conventional Fleet Addition (Additional 40 ft. buses) (33) | 2023 - 2032 | \$ 23,760,000 | \$ - | \$ 23,760,000 | 15% | \$ 3,652,969 | \$ 20,107,031 | \$ - | \$ 20,107,031 | \$ - |
| 1.3.2 | Conventional Fleet Addition (Additional 40 ft. buses) (63) | 2033 - 2041 | \$ 45,360,000 | \$ - | \$ 45,360,000 | 15% | \$ 6,973,850 | \$ 38,386,150 | \$ - | \$ - | \$ 38,386,150 |
| 1.3.3 | Specialized Transit Vehicles (8) | 2023 - 2029 | \$ 2,200,000 | \$ - | \$ 2,200,000 | 15% | \$ 338,238 | \$ 1,861,762 | \$ - | \$ 1,861,762 | \$ - |
| 1.3.4 | Specialized Transit Vehicles (8) | 2033 - 2041 | \$ 2,200,000 | \$ - | \$ 2,200,000 | 15% | \$ 338,238 | \$ 1,861,762 | \$ - | \$ - | \$ 1,861,762 |
| 1.3.5 | Supervisor Vehicle - Large Sport Utility Vehicle (1) | 2023 - 2032 | \$ 51,800 | \$ - | \$ 51,800 | 0% | \$ - | \$ 51,800 | \$ - | \$ 51,800 | \$ - |
| 1.3.6 | Supervisor Vehicle - Small Sport Utility Vehicle (1) | 2023 - 2032 | \$ 35,000 | \$ - | \$ 35,000 | 0% | \$ - | \$ 35,000 | \$ - | \$ 35,000 | \$ - |
| 1.3.7 | Supervisor Vehicle - Small Sedan (1) | 2023 - 2032 | \$ 23,000 | \$ - | \$ 23,000 | 0% | \$ - | \$ 23,000 | \$ - | \$ 23,000 | \$ - |
| 1.3.8 | Supervisor Vehicle - Large Sport Utility Vehicle (1) | 2033 - 2041 | \$ 52,000 | \$ - | \$ 52,000 | 0% | \$ - | \$ 52,000 | \$ - | \$ - | \$ 52,000 |
| 1.3.9 | Supervisor Vehicle - Small Sport Utility Vehicle (4) | 2033 - 2041 | \$ 138,000 | \$ - | \$ 138,000 | 0% | \$ - | \$ 138,000 | \$ - | \$ - | \$ 138,000 |
| 1.3.10 | Supervisor Vehicle - Small Sedan (6) | 2033 - 2041 | \$ 138,000 | \$ - | \$ 138,000 | 0% | \$ - | \$ 138,000 | \$ - | \$ - | \$ 138,000 |
| 1.3.11 | Fleet Maintenance Vehicles (1) | 2023 - 2032 | \$ 58,000 | \$ - | \$ 58,000 | 15% | \$ 8,917 | \$ 49,083 | \$ - | \$ 40,600 | \$ 8,483 |
| 1.3.12 | Bus Stop Maintenance Machines (4) | 2023 - 2032 | \$ 800,000 | \$ - | \$ 800,000 | 15% | \$ 122,996 | \$ 677,004 | \$ - | \$ 677,004 | \$ - |
| 1.3.13 | Fleet Maintenance Vehicles (1) | 2033 - 2041 | \$ 115,000 | \$ - | \$ 115,000 | 15% | \$ 17,681 | \$ 97,319 | \$ - | \$ - | \$ 97,319 |
| | Subtotal Fleet | | \$ 74,930,800 | \$ - | \$ 74,930,800 | | \$ 11,452,888 | \$ 63,477,911 | \$ - | \$ 22,796,197 | \$ 40,681,714 |
| | | | | | | | | | | | |



APPENDIX C.2 TABLE C.2-1

CITY OF BARRIE DEVELOPMENT-RELATED CAPITAL PROGRAM TRANSIT SERVICES

| | | | | Gross | | Grants/ | | Net | Ineligib | le Co | sts | | Total | | | DC | Eligible Costs | | |
|--------------|---|--------|------|-------------------|------|--------------|----|-------------|--------------|--------------|------------|----|-------------|-------------|-----------|------|----------------|----------|------------|
| Project Desc | ription | Tim | ing | Project | Subs | sidies/Other | | Municipal | Replacement | R | eplacement | - | DC Eligible | | Available | | 2023- | Р | ost-Period |
| | | | | Cost Re | | Recoveries | | Cost | & BTE Shares | & BTE Shares | | | Costs | DC Reserves | | 2032 | | Benefit* | |
| | | | | | | | | | | | | | | | | | | | |
| 1.4 Other E | quipment | | | | | | | | | | | | | | | | | | |
| 1.4.1 | Transit Signal Priority | 2027 - | 2028 | \$ 3,000,000 | \$ | - | \$ | 3,000,000 | 0% | \$ | - | \$ | 3,000,000 | \$ | - | \$ | 3,000,000 | \$ | - |
| 1.4.2 | Transit Dynamic Bus Bays | 2027 - | 2027 | \$ 350,000 | \$ | - | \$ | 350,000 | 0% | \$ | - | \$ | 350,000 | \$ | - | \$ | 350,000 | \$ | - |
| 1.4.3 | Georgian College Transit Infrastructure Improvements | 2026 - | 2026 | \$ 250,000 | \$ | - | \$ | 250,000 | 0% | \$ | - | \$ | 250,000 | \$ | - | \$ | 250,000 | \$ | - |
| | Subtotal Other Equipment | | | \$ 3,600,000 | \$ | - | \$ | 3,600,000 | | \$ | - | \$ | 3,600,000 | \$ | - | \$ | 3,600,000 | \$ | - |
| 1.5 Building | gs & Facilities | | | | | | | | | | | | | | | | | | |
| 1.5.1 | Allandale Transit Hub Development (Relocation & Expansion) (6,243 sf) | 2024 - | 2025 | \$ 28,500,000 | \$ | 19,950,000 | \$ | 8,550,000 | 53% | \$ | 4,566,300 | \$ | 3,983,700 | \$ | - | \$ | 3,983,700 | \$ | - |
| 1.5.2 | Terminal Facilities (Salem) | 2033 - | 2033 | \$ 680,000 | \$ | - | \$ | 680,000 | 0% | \$ | - | \$ | 680,000 | \$ | - | \$ | - | \$ | 680,000 |
| 1.5.3 | Garage & Maintenance Facility | 2029 - | 2041 | \$ 62,800,000 | \$ | - | \$ | 62,800,000 | 0% | \$ | - | \$ | 62,800,000 | \$ | - | \$ | 9,359,615 | \$ | 53,440,385 |
| | Subtotal Buildings & Facilities | | | \$ 91,980,000 | \$ | 19,950,000 | \$ | 72,030,000 | | \$ | 4,566,300 | \$ | 67,463,700 | \$ | - | \$ | 13,343,315 | \$ | 54,120,385 |
| TOTAL TRANS | SIT SERVICES | | | \$ 178,731,224 | \$ | 19,950,000 | \$ | 158,781,224 | | \$ | 16,019,188 | \$ | 142,762,034 | \$ | - | \$ | 47,959,936 | \$ | 94,802,099 |

^{*}Development related costs to be considered for funding from other tools and/or future DC Studies.

^{**} BTE includes costs related to prior growth

| Residential Development Charge Calculation | | |
|---|-------|--------------|
| Residential Share of 2023 - 2032 DC Eligible Costs | 75.6% | \$36,235,761 |
| 10-Year Growth in Population in New Units | | 57,051 |
| Unadjusted Development Charge Per Capita | | \$635.15 |
| Non-Residential Retail Development Charge Calculation | | |
| Non-Residential Share of 2023 - 2032 DC Eligible Costs | 9.5% | \$4,547,016 |
| 10-Year Growth in Square Metres | | 357,960 |
| Unadjusted Retail Development Charge Per Square Metre | | \$12.70 |
| Non-Residential Non-Retail Development Charge Calculation | | |
| Non-Residential Share of 2023 - 2032 DC Eligible Costs | 15.0% | \$7,177,159 |
| 10-Year Growth in Square Metres | | 1,004,870 |
| Unadjusted Non-Retail Development Charge Per Square Metre | | \$7.14 |



APPENDIX C.2 TABLE 2-1

CITY OF BARRIE CASHFLOW AND DETERMINATION OF DEVELOPMENT CHARGE TRANSIT SERVICES RESIDENTIAL DEVELOPMENT CHARGE (in \$000)

| 2023 | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | 2030 | 2031 | 2032 | TOTAL |
|-----------|--|--|--|--|--|--|--|---|---|---|
| \$0.0 | \$692.70 | \$24.29 | (\$510.12) | \$431.75 | \$354.70 | \$716.55 | \$623.31 | \$912.00 | \$1,395.71 | |
| | | | | | | | | | | |
| \$0.0 | \$0.0 | \$0.0 | \$0.0 | \$0.0 | \$0.0 | \$0.0 | \$0.0 | \$0.0 | \$0.0 | \$0.0 |
| \$1,782.6 | \$3,287.6 | \$3,287.6 | \$1,971.5 | \$3,180.4 | \$2,915.9 | \$3,550.5 | \$3,349.6 | \$3,349.6 | \$3,349.6 | \$30,024.9 |
| \$425.7 | \$439.4 | \$453.6 | \$468.2 | \$483.3 | \$498.9 | \$515.0 | \$531.6 | \$548.8 | \$566.5 | \$4,931.0 |
| \$2,208.3 | \$3,727.0 | \$3,741.1 | \$2,439.7 | \$3,663.7 | \$3,414.9 | \$4,065.5 | \$3,881.2 | \$3,898.3 | \$3,916.0 | \$34,955.9 |
| | | | | | | | | | | |
| 5,338 | 5,483 | 5,629 | 5,778 | 5,927 | 6,075 | 6,223 | 6,367 | 6,509 | 3,722 | 57,051 |
| | | | | | | | | | | |
| \$3,107.9 | \$3,256.1 | \$3,409.7 | \$3,569.9 | \$3,735.2 | \$3,905.1 | \$4,080.2 | \$4,258.1 | \$4,440.2 | \$2,589.8 | \$36,352.2 |
| | | | | | | | | | | |
| \$0.0 | \$24.2 | \$0.9 | (\$28.1) | \$15.1 | \$12.4 | \$25.1 | \$21.8 | \$31.9 | \$48.8 | \$152.2 |
| \$15.7 | (\$12.9) | (\$9.1) | \$19.8 | \$1.3 | \$8.6 | \$0.3 | \$6.6 | \$9.5 | (\$36.5) | \$3.2 |
| (\$222.6) | (\$208.9) | (\$194.7) | (\$180.1) | (\$164.9) | (\$149.4) | (\$133.3) | (\$116.7) | (\$99.5) | (\$81.8) | (\$1,551.7) |
| \$2,901.0 | \$3,058.6 | \$3,206.7 | \$3,381.6 | \$3,586.7 | \$3,776.7 | \$3,972.3 | \$4,169.9 | \$4,382.1 | \$2,520.3 | \$34,955.9 |
| \$692.7 | \$24.3 | (\$510.1) | \$431.8 | \$354.7 | \$716.6 | \$623.3 | \$912.0 | \$1,395.7 | \$0.0 | |
| | \$0.0 \$1,782.6 \$425.7 \$2,208.3 5,338 \$3,107.9 \$0.0 \$15.7 (\$222.6) | \$0.0 \$692.70 \$0.0 \$0.0 \$1,782.6 \$3,287.6 \$425.7 \$439.4 \$2,208.3 \$3,727.0 5,338 5,483 \$3,107.9 \$3,256.1 \$0.0 \$24.2 \$15.7 (\$12.9) (\$222.6) (\$208.9) \$2,901.0 \$3,058.6 | \$0.0 \$692.70 \$24.29 \$0.0 \$0.0 \$0.0 \$1,782.6 \$3,287.6 \$3,287.6 \$425.7 \$439.4 \$453.6 \$2,208.3 \$3,727.0 \$3,741.1 5,338 5,483 5,629 \$3,107.9 \$3,256.1 \$3,409.7 \$0.0 \$24.2 \$0.9 \$15.7 (\$12.9) (\$9.1) (\$222.6) (\$208.9) (\$194.7) \$2,901.0 \$3,058.6 \$3,206.7 | \$0.0 \$692.70 \$24.29 (\$510.12) \$0.0 \$0.0 \$0.0 \$0.0 \$1,782.6 \$3,287.6 \$3,287.6 \$1,971.5 \$425.7 \$439.4 \$453.6 \$468.2 \$2,208.3 \$3,727.0 \$3,741.1 \$2,439.7 5,338 5,483 5,629 5,778 \$3,107.9 \$3,256.1 \$3,409.7 \$3,569.9 \$0.0 \$24.2 \$0.9 (\$28.1) \$15.7 (\$12.9) (\$9.1) \$19.8 (\$222.6) (\$208.9) (\$194.7) (\$180.1) \$2,901.0 \$3,058.6 \$3,206.7 \$3,381.6 | \$0.0 \$692.70 \$24.29 (\$510.12) \$431.75 \$0.0 \$0.0 \$0.0 \$0.0 \$0.0 \$1,782.6 \$3,287.6 \$3,287.6 \$1,971.5 \$3,180.4 \$425.7 \$439.4 \$453.6 \$468.2 \$483.3 \$2,208.3 \$3,727.0 \$3,741.1 \$2,439.7 \$3,663.7 5,338 5,483 5,629 5,778 5,927 \$3,107.9 \$3,256.1 \$3,409.7 \$3,569.9 \$3,735.2 \$0.0 \$24.2 \$0.9 (\$28.1) \$15.1 \$15.7 (\$12.9) (\$9.1) \$19.8 \$1.3 (\$222.6) (\$208.9) (\$194.7) (\$180.1) (\$164.9) \$2,901.0 \$3,058.6 \$3,206.7 \$3,381.6 \$3,586.7 | \$0.0 \$692.70 \$24.29 (\$510.12) \$431.75 \$354.70 \$0.0 \$0.0 \$0.0 \$0.0 \$0.0 \$0.0 \$1,782.6 \$3,287.6 \$3,287.6 \$1,971.5 \$3,180.4 \$2,915.9 \$425.7 \$439.4 \$453.6 \$468.2 \$483.3 \$498.9 \$2,208.3 \$3,727.0 \$3,741.1 \$2,439.7 \$3,663.7 \$3,414.9 5,338 5,483 5,629 5,778 5,927 6,075 \$3,107.9 \$3,256.1 \$3,409.7 \$3,569.9 \$3,735.2 \$3,905.1 \$0.0 \$24.2 \$0.9 (\$28.1) \$15.1 \$12.4 \$15.7 (\$12.9) (\$9.1) \$19.8 \$1.3 \$8.6 (\$222.6) (\$208.9) (\$194.7) (\$180.1) (\$164.9) (\$149.4) \$2,901.0 \$3,058.6 \$3,206.7 \$3,381.6 \$3,586.7 \$3,776.7 | \$0.0 \$692.70 \$24.29 (\$510.12) \$431.75 \$354.70 \$716.55 \$0.0 \$0.0 \$0.0 \$0.0 \$0.0 \$0.0 \$0.0 \$1,782.6 \$3,287.6 \$3,287.6 \$1,971.5 \$3,180.4 \$2,915.9 \$3,550.5 \$425.7 \$439.4 \$453.6 \$468.2 \$483.3 \$498.9 \$515.0 \$2,208.3 \$3,727.0 \$3,741.1 \$2,439.7 \$3,663.7 \$3,414.9 \$4,065.5 \$5,338 \$5,483 \$5,629 \$5,778 \$5,927 \$6,075 \$6,223 \$3,107.9 \$3,256.1 \$3,409.7 \$3,569.9 \$3,735.2 \$3,905.1 \$4,080.2 \$0.0 \$24.2 \$0.9 \$28.1 \$15.1 \$12.4 \$25.1 \$15.7 \$12.9 \$9.1 \$19.8 \$1.3 \$8.6 \$0.3 \$(\$222.6) \$(\$208.9) \$(\$194.7) \$(\$180.1) \$(\$164.9) \$(\$149.4) \$(\$133.3) \$2,901.0 \$3,058.6 \$3,206.7 \$3,381.6 \$3,586.7 \$3,776.7 \$3,972.3 | \$0.0 \$692.70 \$24.29 (\$510.12) \$431.75 \$354.70 \$716.55 \$623.31 \$0.0 \$0.0 \$0.0 \$0.0 \$0.0 \$0.0 \$0.0 \$0. | \$0.0 \$692.70 \$24.29 (\$510.12) \$431.75 \$354.70 \$716.55 \$623.31 \$912.00 \$0.0 \$0.0 \$0.0 \$0.0 \$0.0 \$0.0 \$0.0 | \$0.0 \$692.70 \$24.29 (\$510.12) \$431.75 \$354.70 \$716.55 \$623.31 \$912.00 \$1,395.71 \$0.0 \$0.0 \$0.0 \$0.0 \$0.0 \$0.0 \$0.0 \$0. |

(1) Principal debenture payments not inflated

2023 Adjusted Charge Per Capita \$582.21

| Allocation of Capital Program | |
|------------------------------------|-------|
| Residential Sector | 75.6% |
| Non-Residential Sector | 24.4% |
| Rates for 2023 | |
| Inflation Rate: | 2.0% |
| Interest Rate on Positive Balances | 3.5% |
| Interest Rate on Negative Balances | 5.5% |
| | |



APPENDIX C-2 TABLE 2-2

CITY OF BARRIE CASHFLOW AND DETERMINATION OF DEVELOPMENT CHARGE TRANSIT SERVICES RETAIL NON-RESIDENTIAL DEVELOPMENT CHARGE (in \$000)

| TRANSIT SERVICES | 2023 | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | 2030 | 2031 | 2032 | TOTAL |
|--|----------|-----------|------------|------------|------------|------------|------------|------------|------------|-----------|-----------|
| OPENING CASH BALANCE | \$0.0 | \$6.00 | (\$148.75) | (\$274.67) | (\$190.59) | (\$230.52) | (\$196.21) | (\$211.53) | (\$157.82) | (\$60.04) | |
| 2023 - 2032 NON-RESIDENTIAL FUNDING REQUIREM | ENTS | | | | | | | | | | |
| - Prior Growth (Funding from DC Reserve Balance) | \$0.0 | \$0.0 | \$0.0 | \$0.0 | \$0.0 | \$0.0 | \$0.0 | \$0.0 | \$0.0 | \$0.0 | \$0.0 |
| - Transit Services: Non Inflated | \$223.7 | \$412.5 | \$412.5 | \$247.4 | \$399.1 | \$365.9 | \$445.5 | \$420.3 | \$420.3 | \$420.3 | \$3,767.6 |
| - Transit Garage Debt: Principle | \$53.4 | \$55.1 | \$56.9 | \$58.8 | \$60.6 | \$62.6 | \$64.6 | \$66.7 | \$68.9 | \$71.1 | \$618.8 |
| - Transit Services: Inflated | \$277.1 | \$477.0 | \$488.4 | \$324.9 | \$497.6 | \$473.1 | \$574.5 | \$559.4 | \$573.2 | \$587.3 | \$4,832.6 |
| NON-RESIDENTIAL SPACE GROWTH | | | | | | | | | | | |
| - Growth in Square Metres | 24,230 | 26,920 | 29,610 | 32,300 | 35,000 | 37,690 | 40,380 | 43,070 | 45,760 | 43,000 | 357,960 |
| REVENUE | | | | | | | | | | | |
| - DC Receipts: Inflated | \$310.5 | \$351.8 | \$394.7 | \$439.2 | \$485.4 | \$533.2 | \$582.7 | \$633.9 | \$687.0 | \$658.4 | \$5,076.7 |
| INTEREST | | | | | | | | | | | |
| - Interest on Opening Balance | \$0.0 | \$0.1 | (\$5.2) | (\$9.6) | (\$6.7) | (\$8.1) | (\$6.9) | (\$7.4) | (\$5.5) | (\$2.1) | (\$51.3) |
| - Interest on In-year Transactions | \$0.6 | (\$3.4) | (\$2.6) | \$2.0 | (\$0.3) | \$1.1 | \$0.1 | \$1.3 | \$2.0 | \$1.2 | \$2.0 |
| - Transit Garage Debt: Interest | (\$27.9) | (\$26.2) | (\$24.4) | (\$22.6) | (\$20.7) | (\$18.7) | (\$16.7) | (\$14.6) | (\$12.5) | (\$10.3) | (\$194.7) |
| TOTAL REVENUE | \$283.1 | \$322.3 | \$362.5 | \$409.0 | \$457.7 | \$507.4 | \$559.2 | \$613.2 | \$670.9 | \$647.3 | \$4,832.6 |
| CLOSING CASH BALANCE | \$6.0 | (\$148.8) | (\$274.7) | (\$190.6) | (\$230.5) | (\$196.2) | (\$211.5) | (\$157.8) | (\$60.0) | \$0.0 | |

2023 Adjusted Charge Per Square Metre \$12.81

| Allocation of Capital Program | |
|------------------------------------|-------|
| Residential Sector | 75.6% |
| Retail | 9.5% |
| Non-Retail | 15.0% |
| Rates for 2023 | |
| Inflation Rate | 2.0% |
| Interest Rate on Positive Balances | 3.5% |
| Interest Rate on Negative Balances | 5.5% |
| | |



APPENDIX C-2 TABLE 2-3

CITY OF BARRIE CASHFLOW AND DETERMINATION OF DEVELOPMENT CHARGE TRANSIT SERVICES RETAIL NON-RESIDENTIAL DEVELOPMENT CHARGE (in \$000)

| TRANSIT SERVICES | 2023 | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | 2030 | 2031 | 2032 | TOTAL |
|--|----------|-----------|------------|------------|------------|------------|------------|------------|------------|-----------|-----------|
| OPENING CASH BALANCE | \$0.0 | \$14.19 | (\$221.86) | (\$416.50) | (\$285.47) | (\$345.40) | (\$289.36) | (\$309.02) | (\$219.81) | (\$58.70) | |
| 2023 - 2032 NON-RESIDENTIAL FUNDING REQUIREM | ENTS | | | | | | | | | | |
| - Prior Growth (Funding from DC Reserve Balance) | \$0.0 | \$0.0 | \$0.0 | \$0.0 | \$0.0 | \$0.0 | \$0.0 | \$0.0 | \$0.0 | \$0.0 | \$0.0 |
| - Transit Services: Non Inflated | \$353.1 | \$651.2 | \$651.2 | \$390.5 | \$629.9 | \$577.6 | \$703.2 | \$663.4 | \$663.4 | \$663.4 | \$5,947.0 |
| - Transit Garage Debt: Principle | \$84.3 | \$87.0 | \$89.8 | \$92.7 | \$95.7 | \$98.8 | \$102.0 | \$105.3 | \$108.7 | \$112.2 | \$976.7 |
| - Transit Services: Inflated | \$437.4 | \$753.0 | \$770.9 | \$512.8 | \$785.5 | \$746.8 | \$906.8 | \$883.0 | \$904.7 | \$927.0 | \$7,627.9 |
| NON-RESIDENTIAL SPACE GROWTH | | | | | | | | | | | |
| - Growth in Square Metres | 68,370 | 75,970 | 83,560 | 91,160 | 98,760 | 106,360 | 113,950 | 121,550 | 129,140 | 116,050 | 1,004,870 |
| REVENUE | | | | | | | | | | | |
| - DC Receipts: Inflated | \$495.1 | \$561.1 | \$629.5 | \$700.5 | \$774.1 | \$850.4 | \$929.3 | \$1,011.1 | \$1,095.7 | \$1,004.3 | \$8,051.1 |
| INTEREST | | | | | | | | | | | |
| - Interest on Opening Balance | \$0.0 | \$0.5 | (\$12.2) | (\$22.9) | (\$15.7) | (\$19.0) | (\$15.9) | (\$17.0) | (\$12.1) | (\$3.2) | (\$117.5) |
| - Interest on In-year Transactions | \$0.6 | (\$3.4) | (\$2.5) | \$1.9 | (\$0.2) | \$1.0 | \$0.2 | \$1.3 | \$1.9 | \$0.8 | \$1.6 |
| - Transit Garage Debt: Interest | (\$44.1) | (\$41.4) | (\$38.6) | (\$35.7) | (\$32.7) | (\$29.6) | (\$26.4) | (\$23.1) | (\$19.7) | (\$16.2) | (\$307.3) |
| TOTAL REVENUE | \$451.6 | \$516.9 | \$576.3 | \$643.8 | \$725.5 | \$802.8 | \$887.2 | \$972.3 | \$1,065.8 | \$985.7 | \$7,627.9 |
| CLOSING CASH BALANCE | \$14.2 | (\$221.9) | (\$416.5) | (\$285.5) | (\$345.4) | (\$289.4) | (\$309.0) | (\$219.8) | (\$58.7) | (\$0.0) | |

2023 Adjusted Charge Per Square Metre \$7.24

| Allocation of Capital Program | |
|------------------------------------|-------|
| Residential Sector | 75.6% |
| Retail | 9.5% |
| Non-Retail | 15.0% |
| Rates for 2023 | |
| Inflation Rate | 2.0% |
| Interest Rate on Positive Balances | 3.5% |
| Interest Rate on Negative Balances | 5.5% |
| | |



Appendix C.3 Transit Cost of Growth Analysis



Transit Cost of Growth Analysis

This appendix addresses the capital, operating and asset management plan requirements for Transit Services. Although all Transit assets have a useful life greater than 10 years, the analysis contained in this appendix focuses on the DCA legislated 10-year transit planning horizon (the period immediately following the preparation of the 2023 DC Background Study) of 2023–2032. The analysis focuses on the share of capital assets included in the calculation of the DC rates; however, the non DC-eligible components are also identified.

D. Operating & Capital Cost Impacts and Asset Management Plan Legislative Requirements

Section 10 of the DCA identifies what must be included in a DC Background Study, this appendix deals with two of those requirements for Transit Services, namely:

s.10 (2) The development charge background study shall include,
(c) an examination, for each service to which the development charge by-law would relate, of the long term capital and operating costs for capital infrastructure required for the service;
(c.2) an asset management plan prepared in accordance with subsection (3);

Asset management plan

- (3) The asset management plan shall,
 - (a) deal with all assets whose capital costs are proposed to be funded under the development charge by-law;
 - (b) demonstrate that all the assets mentioned in clause (a) are financially sustainable over their full life cycle;
 - (c) contain any other information that is prescribed; and
 - (d) be prepared in a prescribed manner.



In accordance with the DCA amendments that came into effect on January 1, 2016, the DC Background Study must include an Asset Management Plan (AMP). A key function of the AMP is to demonstrate that all assets proposed to be funded under the development charges by-law are financially sustainable over their full life cycle.

In addition to the requirements set out in section 10 of the DCA, the associated regulations, O.Reg. 82/98, identifies additional direction on the contents of the AMP for Transit Services, to be addressed in a DC Background Study. However, the Regulations are silent with respect to the AMP requirements for any other services.

E. Relevant Analysis and City Documents

The City utilizes a range of fiscal planning tools and approaches in examining the funding and maintenance of Transit Services infrastructure. For example, the City prepared a Transit Asset Management Plan in 2019 which addressed the current state of infrastructure and the proposed levels of service to 2028 with considerations to 2041.

In particular, the City as part of its annual budget processes implements and manages the year-to-year expenditure needs and revenue requirements of the program.

F. Transit Services Asset Management Plan Requirements

The following provides an overview of the relevant analysis that fulfills the AMP and long-term capital and operating cost requirements of the legislation. The primary document which addresses this requirement is the City's 2019 Transit AMP.

For the purpose of the AMP analysis, assets have been grouped into the following categories identified in the Transit Services capital program (see



Appendix C.2) and the following useful life assumptions have been applied. The current outstanding debentures are not included in the AMP as it relates to the existing transit garage which has been operational since 2015. The associated AMP requirements are already reflected in the 2019 Transit AMP.

- 1. Debentures = 0 years
- 2. Fleet = 10 years
- 3. Other Equipment = 10-20 years
- 4. Buildings and Facilities = 40 years

As shown in Table C.3-1, the annual provision of \$2.30 million relates to the Transit assets supported under the 2023 DC by-law. A further \$1.23 million is associated with non-DC related assets. It is noted that the annual contributions are based on assumed theoretical lives and that contributions start the year following the expenditures. It is anticipated that, on average, the actual useful lives of the Transit assets will be longer than the estimates. The earliest point at which contributions will begin is from the initial year of operating the associated asset. The annual contribution at 2033 in Table 3 is the annual contribution for the entire 10-year period, 2023-2032, as the expenditures in 2032 will not trigger asset management contributions until 2033. In addition, the 2033 calculated contribution is the maximum cumulative annual contribution, of any year for all assets over the longest useful life of any specific asset.

Table C.3-1 – Calculated Annual Provision by 2033 for General Services

| | 2023 | 3 - 2032 | Calculated AMP Annual | | | |
|------------------|--------------|-----------------|-----------------------|-----------------|--|--|
| Service | Capita | l Program | Provision by 2033 | | | |
| | DC Related | Non-DC Related* | DC Related | Non-DC Related* | | |
| | | | | | | |
| Transit Services | \$47,959,936 | \$130,771,287 | \$2,297,522 | \$1,231,110 | | |

^{*} Includes costs that will be recovered under future development charges studies (i.e. other development-related).



G. AMP Checklist

This section of the appendix addresses the DC Background Study requirements set out in paragraph 1 of s. 8(3) of O.Reg. 82/98. The following provides an overview of the relevant documents and analysis that fulfills the AMP and long-term capital and operating cost requirements of the legislation.

Table C.3-2 provides a checklist of how the AMP analysis for Transit services, as required by the provisions of the DCA, has been addressed.

O.Reg. 82/98 Public Transit DC Requirements

i. Background Study

8.(2) Any background study by the municipality under section 10 of the Act that incorporates the cost of transit services shall set out the following:

Table C.3-2: Transit AMP Checklist

| O.Reg. 82/98 Section | Comments |
|---|--|
| 1. The calculations that were used to prepare the estimate for the planned level of service for the | Appendix C provides details on this calculation. |
| transit services, as mentioned in subsection 5.2 (3) of the Act. | The City's transit planned level of service largely relates to the expansion of the existing bus transit system. |

| | Dog 92/00 Continu | Commonto |
|----|---|--|
| | Reg. 82/98 Section | Comments |
| 2. | An identification of the portion of the total estimated capital cost relating to the transit services that would benefit, i. the anticipated development over the 10-year period immediately following the preparation of the background study, or ii. the anticipated development after the 10-year period immediately following the preparation of the background study. | Appendix A provides details on the anticipated development over the 10-year planning period. Appendix C.1 provides details as it relates to transit ridership over the 10-year planning period. |
| | An identification of the anticipated excess capacity that would exist at the end of the 10-year period immediately following the preparation of the background study. An assessment of ridership forecasts for all modes of transit services proposed to be funded by the development charge over the 10-year period immediately following the preparation of the background study, categorized by development types, and whether the forecasted ridership will be from existing or planned development. | Appendix C.1 provides details on the excess capacity calculation and ridership forecast over the 10-year planning period. |
| 5. | An assessment of the ridership capacity for all modes of transit services proposed to be funded by the development charge over the 10-year period immediately following the preparation of the background study. O. Reg. 428/15, s. 4. | Appendix C.1 provides details on the ridership capacity calculation. |



8. (3) If a council of a municipality proposes to impose a development charge in respect of transit services, the asset management plan referred to in subsection 10 (2) (c.2) of the Act shall include the following in respect of those services:

1. A section that sets out the state of local infrastructure and that sets out,

| 0.Re | eg. 82/98 Section | Comments |
|------|--|---|
| i. | the types of assets and their quantity or extent | See Section 2.0 of 2019 Transit AMP |
| ii. | the financial accounting valuation and replacement cost valuation for all assets, the asset age distribution and asset age as a proportion of expected useful life for all assets, | i. Section 2.0, Tables 4-11 ii. Section 2.0, Tables 4-11 iii. Section 2.0, Tables 4-11 iv. Section 2.3 |
| iv. | the asset condition based on standard engineering practices for all assets | |

2. A section that sets out the proposed level of service and that,

| 1.0 | Reg. 82/98 Section | Comments |
|------|---|--|
| i. | defines the proposed level of service through timeframes and performance measures, | See Section 3.0 of 2019 Transit AMP i. Section 3.0 |
| ii. | discusses any external trends or issues that may affect the proposed level of service or the municipality's ability to meet it, and | ii. Section 3.3 and 3.5iii. Section 3.5 |
| iii. | shows current performance relative to the targets set out. | |

3. An asset management strategy that,

| | 7 in asset management strate | , |
|------|---|---|
| 0. | Reg. 82/98 Section | Comments |
| i. | sets out planned actions that will enable the assets to provide the proposed level of service in a sustainable way, while managing risk, at the lowest life cycle cost, | See Section 4.0 of 2019 Transit AMP • i. Section 4 • ii. Section 4.5 and 4.6 |
| ii. | is based on an assessment of potential options to achieve the proposed level of service, which assessment compares, life cycle costs, all other relevant direct and indirect costs and benefits, and the risks associated with the potential options, | |
| iii. | contains a summary of, in relation to achieving the proposed level of service, non-infrastructure solutions maintenance activities, renewal and rehabilitation activities, replacement activities, disposal activities, and expansion activities, | See Section 4.4 of 2019 Transit AMP |
| iv. | discusses the procurement measures that are intended to achieve the proposed level of service | See Section 4.8 of 2019 Transit AMP |
| V. | includes an overview of the risks associated with the strategy and any actions that will be taken in response to those risks | |



4. A financial strategy that,

| O.Reg. 82/98 Section | Comments |
|--|--|
| i. of service, categorized by, shows the yearly expenditure forecasts that are proposed to achieve the proposed level | See Section 5.0 of 2019 Transit AMP |
| A. non-infrastructure solutions,B. maintenance activities,C. renewal and rehabilitation activities, | |
| D. replacement activities, E. disposal activities, and F. expansion activities, | |
| ii. provides actual expenditures in respect of the categories set out in sub-subparagraphs i A to F from the previous two years, if available, for comparison purposes, | See Section 5.2 of 2019 Transit AMP |
| iii. gives a breakdown of yearly revenues by source | See Section 5.3 of 2019 Transit AMP |
| iv. discusses key assumptions and alternative scenarios where appropriate, and | See Section 5.2 and 5.3 of 2019 Transit AMP |
| v. identifies any funding shortfall relative to financial requirements that cannot be eliminated by revising service levels, asset management or financing strategies, and discusses the impact of the shortfall and how the impact will be managed. | See Section 5.4 of 2019 Transit AMP |

8 (4) For the purposes of subsection (3), the proposed level of service may relate to a time after the 10-year period immediately following the preparation of the background study. O. Reg. 428/15, s. 4.



H. Long-Term Capital and Operating Impact

This section provides a brief examination of the long-term operating costs for the capital facilities and infrastructure to be included in the Development Charges By-law for Transit services. This examination is a requirement of the DCA, 1997.

i. Examination of Net Operating Impacts

Table C.3-3 summarizes the anticipated net operating impacts arising from the addition of 33 new buses over the 10-year planning period of 2023-2032 and the new proposed transit facilities. In total, it is anticipated that the City will incur approximately \$980,900 in additional operating costs by 2032.

Table C.3-3 – Estimated Net Operating Cost of the Proposed 2023-2032 Development-Related Capital Program (In Constant 2023 Dollars)

| O-th-garage | | Cost Driver (in 2023 \$) | | Additional | Source and Commentary | | | | |
|-----------------------------------|----------|-----------------------------|--------------|----------------------------|---|--|--|--|--|
| Category | \$ | \$ unit meaure | | Operating Costs at 2032 | | | | | |
| Transit | | | | | | | | | |
| - Buses | \$24,300 | per bus | 33 | \$801,900 | See Note 1 | | | | |
| - Allandale Transit Hub | \$0.01 | per \$1.00 of infr. | 28,500,000 | \$85,000 | | | | | |
| - Garage and Maintenance Facility | \$0.01 | per \$1.00 of infr. | \$62,800,000 | \$94,000 | Estimated, full operating impact to be completed. | | | | |
| | | | | | | | | | |
| TOTAL ESTIMATED OPERATING COSTS | | | | \$980,900 | | | | | |

1) Transit incremental costs based on net (or tax levy) expenditures in the 2022 Budget and the current number of buses

Notes:

- 1) Post Period operating cost are only shown when a facility is to be fully open and operating by 2032 and a share of the development-related capital has been allocated to growth beyond 2032.
- 23) Transit incremental costs based on net (or tax levy) expenditures in the 2022 Budget and the current number of buses.

The 2019 Transit AMP shows the system being fully funded over the forecast period. However, if shortfalls arise from anticipate revenues not being realized over the planning period, the difference could be made up through increases in the tax levy, increases to fares and/or alternative revenue sources.



I. AMP Summary

In summary, the asset management plan and long-term capital and operating analysis included in this appendix demonstrates that the City can afford to invest and operate transit infrastructure over the 10-year and long-term planning period. Importantly, the City's ongoing asset management and long-term financial planning practices will ensure that the projects included in the 2023 DC Background Study are financially sustainable over their full life cycle.



Appendix D Engineered Services Technical Appendix



Engineered Services Technical Appendix

The City of Barrie's Infrastructure & Growth Management (IGM) division is responsible for the maintenance, design and construction of City-owned roads, bridges, sidewalks as well as water and wastewater assets including treatment, collection and distribution. The Corporate Asset Management (CAM) team is responsible for delivering master plans associated with those infrastructure assets which provide servicing framework to support and accommodate future growth within the City of Barrie.

In 2019, the City of Barrie completed updates to several Infrastructure

Master Plans including: Transportation Master Plan (TMP), Drainage Master

Plan (DMP), Water Supply Master Plan (WSMP), Water Distribution and

Storage Master Plan (WDSMP), Wastewater Collection Master Plan

(WWCMP), and Wastewater Treatment Master Plan (WWTMP). Each

document identifies the infrastructure needs required to service growth and
intensification to the 2041 planning horizon. The unit costs identified in
these documents have been updated to reflect current day cost estimates
which are used for the purposes of the 2023 DC Background Study.

The following appendices comprise the citywide engineering related services:

- D.1 Services Related to A Highway: Roads
- D.2 Water Services: Facilities
- D.3 Water Services: Facilities Related Debt
- D.4 Wastewater Services: Facilities
- D.5 Wastewater Services: Facilities Related Debt

Engineering services which are levied on an area-specific basis are discussed further in Appendix E.



Appendix D.1 Services Related to A Highway: Roads



Services Related to A Highway: Roads

This appendix provides a brief outline of the infrastructure included in the Services Related to A Highway: Roads development charge. The development-related projects outlined in this appendix are required to service the demands of new development to 2041. The benefits of the services are considered to be citywide for the purposes of calculating the development charge.

The following discusses the individual components included in the Roads service category. The analysis is set out in the tables which follow.

| Table D.1-1 | Historical Service Levels and Calculation of 15-Year |
|-------------|--|
| | Average Service Level |

Table D.1-2 2023-2041 Development-Related Capital Forecast and Calculation of the Discounted Growth-Related Net Capital Costs

Table D.1-3 Cash Flow Analysis

A. 15-Year Historical Service Levels and Calculation of Maximum Allowable Funding Envelope

The Roads inventory of capital assets is extensive at a total replacement cost of \$8.75 billion. This includes roads as well as traffic signals, rail crossings, interchanges, bridges, culverts and other related structures.

Table 1 identifies a 15-year average service level for the provision of roads infrastructure of \$41,598.80 per capita and employment. Based on this average service level, the maximum allowable funding envelope is \$5.58 billion (\$41,598.80 per capita and employment multiplied by 134,198 increase in net population and employment from 2023-2041).



Table 1 provides a summary of the level of service and the calculation of the 19-year funding envelope from 2023 to 2041. The calculation of the maximum allowable funding envelope is summarized as follows:

19-Year Funding Envelope Calculation

| 15-Year Average Service Level (2008 – 2023) | \$41,598.80 |
|---|-----------------|
| Net Pop. and Emp. Growth (2023 – 2041) | 134,198 |
| Maximum Allowable Funding Envelope | \$5,582,475,762 |

The existing facilities have been examined and consideration has been given to whether or not "excess capacity" exists within the City's infrastructure that may be available to partially meet future servicing requirements. It has been determined that no "uncommitted excess capacity" exists within the City's roads infrastructure, and as such, no adjustments have been made to the service level calculations.

B. Development-Related Capital Program

i. Gross Capital Program Costs

The total gross cost of the Roads capital program is \$4.00 billion and provides for the undertaking of various new roads, interchanges, roundabouts, road widenings, and streetscape improvements located across the City and within the Salem and Hewitt's Secondary Plan Areas. The program also includes active transportation (AT) infrastructure such as cycling facilities, multi-use facilities and sidewalks. Other facilities include trail bridges, underpasses and bus stops within or adjacent to the roads right-of-way.

The capital program also makes an adjustment for shares of projects which have previously been funded from development charges. In total, approximately \$84.00 million is reduced from the total gross capital costs.



ii. Grants, Subsidies and Other Recoveries

No grants, subsidies or other recoveries are identified for Roads infrastructure.

iii. Replacement and Benefit to Existing Shares

The Roads program includes a portion that is considered to benefit the existing community. In totality, the benefit to existing share amounts to \$534.46 million and is netted off of the DC eligible costs. A general description of the approach used to determine the benefit to existing shares for different project types is described below:

- New roads and new road segments new road segments do not replace any existing assets and therefore are treated as 100% growthrelated with no benefit to existing share adjustment.
- Interchanges the interchanges identified in the Roads capital program are net new assets and are treated as 100% growth-related.
- Roundabouts the roundabouts identified in the Roads capital program
 do not replace any existing assets and are therefore treated as 100%
 growth-related.
- Road widenings for projects where an existing road segment is being
 widening, the benefit to existing share was determined based on the
 resurfacing/reconstruction of the length of the existing segment. The
 calculation assumes the road will be resurfaced twice over a 20-year period.
- **Sidewalks** sidewalks located within the Former Municipal Boundary in the City are attributed a benefit to existing share consistent with most other active transportation infrastructure (see approach discussed below). A nominal benefit to existing share allocation is made to sidewalks within the Secondary Plan Areas recognizing that the increase in need for servicing is primarily driven by development.



• Active Transportation (AT) Infrastructure – AT infrastructure is part of an integrated transportation network. The benefit to existing share for most infrastructure is determined based on existing levels of service (2022) and anticipated increases in the AT network to 2041. A nominal benefit to existing share allocation is made to AT within the Secondary Plan Areas recognizing that the increase in need for servicing is primarily driven by development.

iv. Available DC Reserve Funds

In total, \$123.91 million is available in the Roads DC reserve. This amount is applied to projects occurring in the initial years of the planning period and is reduced from the in-period DC recoverable share.

v. Other Development-Related / Post-Period Benefit Shares

Of the DC eligible costs, approximately \$1.06 billion has been identified as a post-period benefit and will be eligible for recovery in subsequent DC Background Studies.

The Roads capital program is based on the City's 2019 TMP, which identifies transportation infrastructure needs to the 2041 planning horizon. Although projects have been planned to accommodate growth occurring to 2041, some project may benefit development beyond this period. However, when the City's TMP is updated and the planning horizon is extended beyond 2041, projects constructed after this time will benefit growth occurring earlier in the planning period. Approximately 30% of the DC eligible costs have been identified as a post-period benefit, informed by the 2051 population and employment forecast and anticipated growth over the 2023-2041 period. As part of subsequent DC Background Study updates, the inperiod and post-period allocations will be re-examined based on new capital program information, planning horizons and infrastructure required to meet the increase need for servicing arising from development.



vi. 2023-2041 DC Eligible Development Related Costs

After making adjustments for available DC reserve balance and post-period shares of projects the development charge recoverable share of the capital program of \$2.28 billion. The development-related cost has been allocated 69.1% (\$1.58 billion) to new residential development, 12.2% (\$277.14 million) to new retail development and 18.7% (\$427.45 million) to new non-retail development. The allocation of costs is based on shares of population and employment growth over the planning period. This yields an unadjusted development charge of \$16,692.23 per capita, \$339.24 per square metre of retail gross floor area and \$198.16 of non-retail gross floor area.

C. Cash Flow Analysis

The long-term cash-flow analysis takes into consideration expenditure timing and revenue projections. The effect of the analysis is an increase in the residential development charge rates to \$17,302.03 per capita. The adjusted retail cash-flow amounts to \$362.93 per square metre of gross floor area and non-retail amounts to \$209.88 per square metre.

The following table summarizes the calculation of the Roads development charge:

| SERVICES RELATED TO A HIGHWAY: ROADS SUMMARY | | | | | | | | | | | |
|--|------------------|----------------------|-------------------------------|-------------------|-------------------|--------------------|----------------|---------------------|--|--|--|
| 15-year Hist. 2023 - 2032 Unadjusted Adjusted Adjusted | | | | | | | | | | | |
| Service Level | Development-Rela | ated Capital Program | | Development Charg | ge | Development Charge | | | | | |
| per pop & emp | Total | Net DC Recoverable | \$/capita | Retail \$/sq.m | Non-Retail\$/sq.m | \$/capita | Retail \$/sq.m | Non- Retail \$/sq.m | | | |
| \$41,598.80 | \$4,001,874,395 | \$2,280,792,431 | \$16,962.23 \$339.24 \$198.16 | | | \$17,302.03 | \$362.93 | \$209.88 | | | |
| | | | | | | | | | | | |



CITY OF BARRIE INVENTORY OF CAPITAL ASSETS SERVICES RELATED TO A HIGHWAY: ROADS

| ROADS | | # of Kilometres | | | | | | | | | | | | | UNIT COST | |
|-----------------------|---------------|-----------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|--------------|
| Type of Road | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | (\$/km) |
| Arterial Roads (ART) | 446 | 446 | 447 | 449 | 449 | 449 | 452 | 452 | 452 | 452 | 456 | 454 | 454 | 459 | 459 | \$12,006,000 |
| Collector Roads (C/R) | 274 | 274 | 274 | 277 | 280 | 280 | 280 | 280 | 280 | 280 | 281 | 285 | 285 | 285 | 285 | \$8,948,000 |
| | | | | | | | | | | | | | | | | |
| Total (km) | 720 | 720 | 721 | 726 | 729 | 729 | 732 | 732 | 732 | 732 | 737 | 739 | 739 | 744 | 744 | |
| Total (\$000) | \$7,806,428.0 | \$7,806,428.0 | \$7,818,434.0 | \$7,869,290.0 | \$7,896,134.0 | \$7,896,134.0 | \$7,932,152.0 | \$7,932,152.0 | \$7,932,152.0 | \$7,932,152.0 | \$7,989,124.0 | \$7,995,359.7 | \$7,995,359.7 | \$8,056,689.5 | \$8,056,689.5 | |

| TRAFFIC SIGNALS | | | | | | | # | of Traffic Signa | ls | | | | | | | UNIT COST |
|-------------------------------------|------------|------------|------------|------------|------------|------------|------------|------------------|------------|------------|------------|------------|------------|------------|------------|-----------|
| Description | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | (\$/unit) |
| Signalized Intersections | 158 | 167 | 169 | 175 | 186 | 188 | 188 | 193 | 196 | 196 | 196 | 196 | 196 | 196 | 196 | \$378,000 |
| Pedestrian Crossing Traffic Signals | 35 | 40 | 39 | 44 | 41 | 41 | 44 | 45 | 45 | 46 | 46 | 46 | 46 | 46 | 46 | \$118,000 |
| Variable Flashing 40's | 1 | 1 | 5 | 6 | 44 | 44 | 44 | 46 | 46 | 46 | 46 | 46 | 46 | 46 | 46 | \$13,100 |
| Speed Board Advisory | 4 | 4 | 9 | 9 | 10 | 10 | 10 | 10 | 10 | 7 | 7 | 7 | 7 | 7 | 7 | \$5,900 |
| | | | | | | | | | | | | | | | | |
| Total (#) | 198 | 212 | 222 | 234 | 281 | 283 | 286 | 294 | 297 | 295 | 295 | 295 | 295 | 295 | 295 | |
| Total (\$000) | \$63,890.7 | \$67,882.7 | \$68,602.6 | \$71,473.7 | \$75,781.4 | \$76,537.4 | \$76,891.4 | \$78,925.6 | \$80,059.6 | \$80,159.9 | \$80,159.9 | \$80,159.9 | \$80,159.9 | \$80,159.9 | \$80,159.9 | |



CITY OF BARRIE INVENTORY OF CAPITAL ASSETS SERVICES RELATED TO A HIGHWAY: ROADS

| STRUCTURES | | | | | | | | # of Items | | | | | | | | UNIT COST |
|--|------|------|------|------|------|------|------|------------|------|------|------|------|------|------|------|--------------|
| Description | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | (\$/item) |
| Rail Crossings | | | | | | | | | | | | | | | | |
| Go Line at Cox Mill | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | \$2,915,600 |
| BCRY at Lockhart | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | \$375,400 |
| BCRY at Mapleview | - | - | - | - | - | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | \$9,416,700 |
| Tiffin and Highway 400 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | \$3,199,500 |
| Highway Interchange/Crossing | | | | | | | | | | | | | | | | |
| Duckworth | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | \$38,883,100 |
| St Vincent | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | \$33,173,100 |
| Bayfield | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | \$38,883,100 |
| Sunnidale | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | \$33,173,100 |
| Anne | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | \$33,173,100 |
| Dunlop | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | \$38,883,100 |
| Tiffin | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | \$33,173,100 |
| Essa | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | \$38,883,100 |
| Mapleview | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | \$38,883,100 |
| McKay | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | \$33,173,100 |
| Harvie* | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 | \$88,000,000 |
| Road Bridges | | | | | | | | | | | | | | | | |
| Dvment's Creek Centennial Park Roadway Bridge | - | - | - | - | - | - | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | \$3,118,700 |
| Bunkers Creek Roadway Bridge | - | - | - | - | - | - | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | \$3,428,200 |
| Lover's Creek Roadway Bridge (Yonge Street) | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | \$6,807,900 |
| Whiskey Creek Brennan Avenue Bridge | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | \$435,900 |
| Painswick Bridge B (Big Bay Point Road) | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | \$12,106,200 |
| Lovers Creek Hurst Drive Bridge | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | \$12,952,500 |
| Hewitts Creek Mapleview Drive Bridge | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | \$888,000 |
| Whiskey Creek Little Avenue Bridge | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | \$1,040,000 |
| Lovers Creek Lockhart Road Bridge (0.16km West | | | | | | | | | | | | | | | | \$653,900 |
| of Huronia) | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | ψ000,900 |
| Lovers Creek Lockhart Road Bridge (0.72km East | | | | | | | | | | | | | | | | \$1,206,900 |
| of Bayview) | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | |
| Lovers Creek Big Bay Point Road Bridge | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | \$6,437,900 |
| | | | | | | | | | | | | | | | | |



CITY OF BARRIE INVENTORY OF CAPITAL ASSETS SERVICES RELATED TO A HIGHWAY: ROADS

| STRUCTURES | | | | | | | | # of Items | | | | | | | | UNIT COST |
|--|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Description | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | (\$/item) |
| | | | | | | | | | | | | | | | | ,,, |
| Culverts (over 3m in width) | | | | | | | | | | | | | | | | |
| Georgian Creek/Hickling Trail | - | - | - | - | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | \$804,600 |
| Bear Creek/Mapleview Drive | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | \$797,80 |
| Sophia Creek Outlet/Bayfield to Lake | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | \$2,615,50 |
| Dyment's Creek - Culvert at 71 Sproule Drive | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | \$1,449,000 |
| Kidds Creek/Bradford to Lake | 1 | - | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | \$8,920,30 |
| Lover's Creek/Tollendale Mill Road | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | \$1,213,60 |
| Sophia Creek/Sophia Street | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | \$1,710,10 |
| Dynments Creek/Sarjeant Drive | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | \$5,224,30 |
| Bunkers Creek/Anne Street South | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | \$1,536,50 |
| Hotchkiss Creek/Anne Street South | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | \$4,271,80 |
| Lover's Creek/Welham Road | 1 | | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | \$617.60 |
| Dynment's Creek/Bradford Street | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | \$3,615,20 |
| Bunkers Creek/Bradford Street | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | \$797.80 |
| Kidds Creek/Donald Drive | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | \$1,509,60 |
| Little Lake Drain/Stanley Street | 1 | - | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | \$644,50 |
| Kidd's Creek/Wellington Street | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | \$1,307,80 |
| Bear Creek/Lougheed Road | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | \$1,375,00 |
| Hewitt's Creek/Big Bay Point Road | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | \$1,449,00 |
| Hewitt's Creek/Big Bay Point Road | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | \$1,548,60 |
| Hewitt's Creek/Big Bay Point Road | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | \$1,582,20 |
| Hotchkiss Creek - Lakeshore Drive (Roadway | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | 1 | 1 | 1 | 1 | 1 | 1 | |
| Culvert #6) | _ | _ | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | \$2,756,80 |
| Kidds Creek/Eccles Street North | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | \$422,50 |
| Dynments Creek/Edgehill Drive | 1 | _ | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | \$1,146,30 |
| Sophia Drain/Laurie Crescent | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | \$831,50 |
| Whiskey Creek/McConkey Place | 1 | _ | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | \$797,80 |
| Dyments Drain/Ferndale Drive North | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | \$624,30 |
| Whiskey Creek/Bayview Drive | 1 | | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | \$1,227,00 |
| Hewitt's Creek/Consort Drive | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | \$683,50 |
| Sophia Creek/St, Vincent St | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | \$804.60 |
| Sophia Creek/Grove Street | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | \$1,609,10 |
| Hotchkiss Creek - Bradford Street Hybrid | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | |
| Structure | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | \$10,455,40 |
| Bunker's Creek - Boys Street Hybrid Structure | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | \$3,621,90 |
| Georgian Drainage - Penetanguishene Road | | | | | | | | | | | | | | | | \$4,024,20 |
| Hybrid Structure | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | \$4,024,20 |
| Sophia Creek - Berczy Street Hybrid Structure | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | \$1,642,80 |
| William's Outlet - Gowan Street Hydrid Structure | - | - | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | \$6,853,70 |
| Hewitt's Creek/Big Bay Point Road | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | \$1,548,60 |
| Lover's Creek/Mapleview Dr E, West of Country | | | | | | | | | | | | | | | | \$10,811,90 |
| Lane | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | |
| Dynments Creek/Anne Street | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | \$6,385,40 |
| | | | | | | | | | | | | | | | | |
| Total (#) | 2,065 | 2,066 | 2,069 | 2,070 | 2,072 | 2,074 | 2,077 | 2,078 | 2,079 | 2,080 | 2,081 | 2,082 | 2,083 | 2,085 | 2,086 | |
| Total (\$000) | \$498,123.7 | \$498,123.7 | \$507,734.2 | \$507,734.2 | \$508,538.8 | \$517,955.5 | \$524,502.4 | \$524,502.4 | \$524,502.4 | \$524,502.4 | \$524,502.4 | \$524,502.4 | \$524,502.4 | \$612,502.4 | \$612,502.4 | |



CITY OF BARRIE
CALCULATION OF SERVICE LEVELS
SERVICES RELATED TO A HIGHWAY: ROADS

| | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 |
|--|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| Historical Population | 131,431 | 132,957 | 134,501 | 136,063 | 137,121 | 138,187 | 139,261 | 140,343 | 141,434 | 142,690 | 143,958 | 145,237 | 146,527 | 147,829 | 152,641 |
| Historical Employment | 61,563 | 62,217 | 62,892 | 63,590 | 64,392 | 65,205 | 66,030 | 66,866 | 67,715 | 69,210 | 70,730 | 72,730 | 53,890 | 57,330 | 65,310 |
| Total Historical Population & Employment | 192,994 | 195,174 | 197,393 | 199,653 | 201,513 | 203,392 | 205,291 | 207,209 | 209,149 | 211,900 | 214,688 | 217,967 | 200,417 | 205,159 | 217,951 |

INVENTORY SUMMARY (\$000)

| Traffic Signals | \$63,890.7 | \$7,806,428.0 \$67,882.7 | \$7,818,434.0 \$68,602.6 | \$7,869,290.0 \$71,473.7 | \$7,896,134.0 \$75,781.4 | \$7,896,134.0 \$76,537.4 | \$7,932,152.0 \$76,891.4 | \$7,932,152.0 \$78,925.6 | \$7,932,152.0 \$80,059.6 | \$7,932,152.0 \$80,159.9 | \$7,989,124.0 \$80,159.9 | \$7,995,359.7 \$80,159.9 | \$7,995,359.7 \$80,159.9 | \$8,056,689.5 \$80,159.9 | \$8,056,689.5 \$80,159.9 |
|-----------------|---------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|
| | | | | | | | | | | | | | | | |
| Structures | \$498,123.7 | \$498,123.7 | \$507,734.2 | \$507,734.2 | \$508,538.8 | \$517,955.5 | \$524,502.4 | \$524,502.4 | \$524,502.4 | \$524,502.4 | \$524,502.4 | \$524,502.4 | \$524,502.4 | \$612,502.4 | \$612,502.4 |
| Total (\$000) | \$8,368,442.4 | \$8,372,434.4 | \$8,394,770.8 | \$8,448,497.9 | \$8,480,454.2 | \$8,490,626.9 | \$8,533,545.8 | \$8,535,580.0 | \$8,536,714.0 | \$8,536,814.3 | \$8,593,786.3 | \$8,600,021.9 | \$8,600,021.9 | \$8,749,351.8 | \$8,749,351.8 |

SERVICE LEVEL (\$/population & employment)

Service Level

| | | | | | | | | | | | | | | | | 2010. |
|------------------------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Roads | \$40,449.07 | \$39,997.27 | \$39,608.47 | \$39,414.92 | \$39,184.24 | \$38,822.24 | \$38,638.58 | \$38,280.92 | \$37,925.85 | \$37,433.47 | \$37,212.72 | \$36,681.51 | \$39,893.62 | \$39,270.47 | \$36,965.60 | \$38,651.93 |
| Traffic Signals | \$331.05 | \$347.81 | \$347.54 | \$357.99 | \$376.06 | \$376.30 | \$374.55 | \$380.90 | \$382.79 | \$378.29 | \$373.38 | \$367.76 | \$399.97 | \$390.72 | \$367.79 | \$370.19 |
| Structures | \$2,581.03 | \$2,552.20 | \$2,572.20 | \$2,543.09 | \$2,523.60 | \$2,546.59 | \$2,554.92 | \$2,531.27 | \$2,507.79 | \$2,475.24 | \$2,443.09 | \$2,406.34 | \$2,617.06 | \$2,985.50 | \$2,810.28 | \$2,576.68 |
| Total (\$/population & employment) | \$43,361.15 | \$42,897.28 | \$42,528.21 | \$42,316.00 | \$42,083.91 | \$41,745.14 | \$41,568.05 | \$41,193.09 | \$40,816.43 | \$40,287.00 | \$40,029.19 | \$39,455.61 | \$42,910.64 | \$42,646.69 | \$40,143.66 | \$41,598.80 |

CITY OF BARRIE

CALCULATION OF MAXIMUM ALLOWABLE FUNDING ENVELOPE SERVICES RELATED TO A HIGHWAY: ROADS

| 20-Year Funding Envelope Calculation | |
|--|-----------------|
| 10 Year Average Service Level 2008 - 2022 | \$41,598.80 |
| Net Population & Employment Growth 2023 - 2041 | 134,198 |
| Maximum Allowable Funding Envelope | \$5,582,475,762 |



| | | | Gross | Grants/ | Net | _ | le Costs | Total | | DC Eligible Costs | |
|---|-------------|---------------|-----------------|-------------------------------|-------------------|----------------|---------------|----------------------|--------------------------|-------------------|------------|
| Project Description | Timing | Length (m) | Project Cost | Subsidies/Other Recoveries | Municipal Cost | Replaceme % | nt BTE Share | DC Eligible Costs | Available DC Reserves | 2023- 2041 | Post 2041* |
| AND WATER TO A LIGHWAY BOARS | | (III) | Cost | Recoveries | Cost | 78 | • | Costs | DC Reserves | 2041 | 2041 |
| SERVICES RELATED TO A HIGHWAY: ROADS | | | | | | | | | | | |
| 1.0 FORMER MUNICIPAL BOUNDARY | | | | | | | | | | | |
| 1.1 New Roads | | | | | | | | | | | |
| 1.1.1 1101 - Anne-Baldwin Connector: Adelaide Street to Innisfil Street | 2031 - 2041 | 73 | \$ 3,553,200 | \$ - | \$ 3,553,200 | 0% | \$ - | \$ 3,553,200 | \$ - | \$ 3,553,200 | \$ |
| 1.1.2 1102 - Bryne Drive: Existing North Cul-de-Sac - Existing South Cul-de-sac | 2023 - 2030 | 1,598 | \$ 50,997,600 | \$ - | \$ 50,997,600 | 0% | \$ - | \$ 50,997,600 | \$ 50,997,600 | \$ - | \$ |
| 1.1.3 1105 - Welham Road: South Cul-de-sac - Lockhart Road | 2023 - 2030 | 745 | \$ 14,796,000 | \$ - | \$ 14,796,000 | 0% | \$ - | \$ 14,796,000 | \$ 14,796,000 | \$ - | \$ |
| Subtotal New Roads | | | \$ 69,346,800 | \$ - | \$ 69,346,800 | | \$ - | \$ 69,346,800 | \$ 65,793,600 | \$ 3,553,200 | \$ |
| 1.2 Interchanges | | | | | | | | | | | |
| 1.2.1 1128 - Dunlop Southbound On Ramp | 2031 - 2041 | | \$ 9,676,800 | \$ - | \$ 9,676,800 | 0% | \$ - | \$ 9,676,800 | \$ - | \$ 9,676,800 | \$ |
| 1.2.2 2128 - McKay Interchange | 2023 - 2030 | | \$ 85,896,720 | \$ - | \$ 85,896,720 | 9% | \$ 7,470,695 | | \$ 53,429,638 | | \$ |
| 1.2.3 3000 - Mapleview D.D.I. | 2031 - 2041 | | \$ 12,592,800 | \$ - | \$ 12,592,800 | 0% | \$ - | \$ 12,592,800 | \$ - | \$ 12,592,800 | \$ |
| Subtotal Interchanges | | | \$ 108,166,320 | \$ - | \$ 108,166,320 | | \$ 7,470,695 | \$ 100,695,625 | \$ 53,429,638 | \$ 47,265,987 | \$ |
| 1.3 Roundabouts | | | | | | | | | | | |
| 1.3.1 3001 - Ross Street Roundabout - Interim | 2023 - 2030 | | \$ 4,687,200 | \$ - | \$ 4,687,200 | 0% | \$ - | \$ 4,687,200 | \$ 4,687,200 | \$ - | \$ |
| 1.3.2 3002 - Ross Street Roundabout - Ultimate | 2031 - 2041 | | \$ 5,270,400 | \$ - | \$ 5,270,400 | 0% | \$ - | \$ 5,270,400 | \$ - | \$ - | \$ 5,2 |
| Subtotal Roundabouts | | | \$ 9,957,600 | \$ - | \$ 9,957,600 | | \$ - | \$ 9,957,600 | \$ 4,687,200 | \$ - | \$ 5,2 |
| 1.4 Roads Widenings | | | | | | | | | | | |
| 1.4.1 1201 - Georgian Drive: Duckworth Street - Johnson Street | 2031 - 2041 | 1,741 | \$ 73,537,200 | \$ - | \$ 73,537,200 | 13% | \$ 9,853,149 | \$ 63,684,051 | \$ - | \$ 63,684,051 | \$ |
| 1.4.2 1204 - Bayfield Street: Cundles Road East - Sophia Street | 2031 - 2041 | 1,703 | \$ 157,442,400 | \$ - | \$ 157,442,400 | 17% | \$ 26,921,363 | \$ 130,521,037 | \$ - | \$ 62,579,589 | \$ 67,9 |
| 1.4.3 1206 - Dunlop Street West: Ferndale Drive North - Tiffin Street | 2031 - 2041 | 1,509 | \$ 58,860,000 | \$ - | \$ 58,860,000 | 8% | \$ 4,587,455 | \$ 54,272,545 | \$ - | \$ 54,272,545 | \$ |
| 1.4.4 1207 - Dunlop Street West: Anne Street - Cedar Pointe Drive | 2031 - 2041 | 1,655 | \$ 77,641,200 | \$ - | \$ 77,641,200 | 15% | \$ 11,638,802 | \$ 66,002,398 | \$ - | \$ 66,002,398 | \$ |
| 1.4.5 1208 - Essa Road: Fairview Road - Highway 400 N-E/W Ramp | 2023 - 2030 | 349 | \$ 37,303,200 | \$ - | \$ 37,303,200 | 31% | \$ 11,513,457 | \$ 25,789,743 | \$ - | \$ 25,789,743 | \$ |
| 1.4.6 1209 - Burton Avenue: Essa Road - Milburn Street | 2031 - 2041 | 905 | \$ 35,370,000 | \$ - | \$ 35,370,000 | 7% | \$ 2,561,798 | \$ 32,808,202 | \$ - | \$ 16,404,101 | \$ 16,4 |
| 1.4.7 1212 - Big Bay Point Road: 150m west of Bayview Drive - Huronia Road | 2023 - 2030 | 1,405 | \$ 28,695,600 | \$ - | \$ 28,695,600 | 14% | \$ 3,973,867 | \$ 24,721,733 | \$ - | \$ 24,721,733 | \$ |
| 1.4.8 1215 - Mapleview Drive: Country Lane - Yonge Street (Phase 1) | 2023 - 2030 | 2,143 | \$ 72,608,400 | \$ - | \$ 72,608,400 | 8% | \$ 6,064,098 | \$ 66,544,302 | \$ - | \$ 66,544,302 | \$ |
| 1.4.9 1215 - Mapleview Drive: Country Lane - Yonge Street (Phase 2) | 2031 - 2041 | 2,143 | \$ 55,522,800 | \$ - | \$ 55,522,800 | 0% | \$ - | \$ 55,522,800 | \$ - | \$ 55,522,800 | \$ |
| | | | | | | | ĺ | | | | |



| | | | Gross | G | rants/ | Net | Ineligi | ble C | osts | Total | | DC | C Eligible Costs | | |
|---|-------------|--------|-----------|--------|------------|---------------|-----------|-------|------------|---------------|-------------|----|------------------|----------|------------|
| Project Description | Timing | Length | Project | | dies/Other | Municipal | Replaceme | ent B | TE Share | DC Eligible | Available | | 2023- | | Post |
| | | (m) | Cost | Red | coveries | Cost | % | | \$ | Costs | DC Reserves | | 2041 | <u> </u> | 2041* |
| | | | | | | | | | | | | | | l | |
| 1.4.10 1216 - Essa Road: Osmington Entrance - Fairview Road | 2023 - 2030 | 277 | \$ 18,586 | 300 \$ | - | \$ 18,586,800 | 8% | \$ | 1,565,377 | \$ 17,021,423 | \$ - | \$ | 17,021,423 | \$ | - |
| 1.4.11 1217 - Essa Road: Highway 400 N-E/W Ramp - Ardagh Road/Bryne Drive | 2023 - 2030 | 298 | \$ 13,262 | 100 \$ | - | \$ 13,262,400 | 13% | \$ | 1,688,129 | \$ 11,574,271 | \$ - | \$ | 11,574,271 | \$ | - |
| 1.4.12 1219 - Bryne Drive: Mapleview Drive - Northern Commerce Park Drive | 2023 - 2030 | 326 | \$ 18,738 | 000 \$ | - | \$ 18,738,000 | 11% | \$ | 2,130,807 | \$ 16,607,193 | \$ - | \$ | 16,607,193 | \$ | - |
| 1.4.13 1220 - St. Vincent: Sperling - Bell Farm | 2031 - 2041 | 455 | \$ 67,597 | 200 \$ | - | \$ 67,597,200 | 27% | \$ | 18,406,236 | \$ 49,190,964 | \$ - | \$ | 24,595,482 | \$ | 24,595,482 |
| 1.4.14 1221 - Tiffin Street: Lakeshore - Ferndale Drive | 2031 - 2041 | 2,147 | \$ 95,731 | 200 \$ | - | \$ 95,731,200 | 6% | \$ | 5,891,288 | \$ 89,839,912 | \$ - | \$ | 44,919,956 | \$ | 44,919,956 |
| 1.4.15 1222 - Lakeshore/Hurst: Tiffin - Bay Lane | 2031 - 2041 | 3,968 | \$ 43,167 | 500 \$ | - | \$ 43,167,600 | 16% | \$ | 6,699,220 | \$ 36,468,380 | \$ - | \$ | 18,234,190 | \$ | 18,234,190 |
| 1.4.16 1223 - Huronia Road: Herrell Avenue - Big Bay Point Road | 2031 - 2041 | 631 | \$ 24,559 | 200 \$ | - | \$ 24,559,200 | 7% | \$ | 1,784,502 | \$ 22,774,698 | \$ - | \$ | 11,387,349 | \$ | 11,387,349 |
| 1.4.17 1225 - Commerce Park Drive: Bryne Drive - 140m West of Bryne Drive | 2031 - 2041 | 138 | \$ 4,784 | 100 \$ | - | \$ 4,784,400 | 8% | \$ | 391,623 | \$ 4,392,777 | \$ - | \$ | 2,196,388 | \$ | 2,196,388 |
| 1.4.18 1508 - Cundles Road East: Livingstone Street East - St. Vincent Street | 2031 - 2041 | 452 | \$ 20,671 | 200 \$ | - | \$ 20,671,200 | 12% | \$ | 2,560,277 | \$ 18,110,923 | \$ - | \$ | 9,055,461 | \$ | 9,055,461 |
| 1.4.19 1538 - Fairview Road: Big Bay Point Road - Little Avenue | 2031 - 2041 | 1,356 | \$ 49,788 | 000 \$ | - | \$ 49,788,000 | 8% | \$ | 3,836,828 | \$ 45,951,172 | \$ - | \$ | 22,975,586 | \$ | 22,975,586 |
| 1.4.20 1549 - Dunlop Street West: Cedar Pointe Drive - Ferndale Drive | 2031 - 2041 | 565 | \$ 27,982 | 300 \$ | - | \$ 27,982,800 | 14% | \$ | 3,997,467 | \$ 23,985,333 | \$ - | \$ | 11,992,667 | \$ | 11,992,667 |
| 1.4.21 1577 - St. Vincent: Bell Farm Road - Grove Street | 2031 - 2041 | 440 | \$ 18,554 | 100 \$ | - | \$ 18,554,400 | 13% | \$ | 2,489,909 | \$ 16,064,491 | \$ - | \$ | 8,032,245 | \$ | 8,032,245 |
| 1.4.22 1593 - Essa Road: Burton Avenue - Bradford Street | 2023 - 2030 | 225 | \$ 12,484 | 300 \$ | - | \$ 12,484,800 | 10% | \$ | 1,275,062 | \$ 11,209,738 | \$ - | \$ | 11,209,738 | \$ | - |
| 1.4.23 1596 - Essa Road: Anne Street South - Burton Avenue | 2023 - 2030 | 564 | \$ 27,302 | 100 \$ | - | \$ 27,302,400 | 12% | \$ | 3,192,401 | \$ 24,109,999 | \$ - | \$ | 24,109,999 | \$ | - |
| 1.4.24 1613 - Ferndale Drive: Benson Drive - City Northwest Limits | 2023 - 2030 | 563 | \$ 712 | 300 \$ | - | \$ 712,800 | 0% | \$ | - | \$ 712,800 | \$ - | \$ | 712,800 | \$ | - |
| 1.4.25 1708 - St. Vincent: Wellington Street - Penetang Street | 2031 - 2041 | 180 | \$ 6,231 | \$ \$ | - | \$ 6,231,600 | 8% | \$ | 510,197 | \$ 5,721,403 | \$ - | \$ | 2,860,701 | \$ | 2,860,701 |
| 1.4.26 1719 - Eccles Street South: Dunlop Street West - Perry Street | 2031 - 2041 | 127 | \$ 4,438 | 300 \$ | - | \$ 4,438,800 | 8% | \$ | 360,016 | \$ 4,078,784 | \$ - | \$ | 2,039,392 | \$ | 2,039,392 |
| 1.4.27 1720 - Perry Street: Eccles Street South - Innisfil Street | 2031 - 2041 | 79 | \$ 2,322 | 000 \$ | - | \$ 2,322,000 | 10% | \$ | 224,726 | \$ 2,097,274 | \$ - | \$ | 1,048,637 | \$ | 1,048,637 |
| 1.4.28 1721 - Innisfil Street: Tiffin Street - Perry Street | 2031 - 2041 | 1,262 | \$ 61,462 | 300 \$ | - | \$ 61,462,800 | 6% | \$ | 3,569,976 | \$ 57,892,824 | \$ - | \$ | 28,946,412 | \$ | 28,946,412 |
| 1.4.29 1724 - Sunnidale Road: Wellingston Street - Shirley Avenue | 2023 - 2030 | | \$ 6,933 | \$ \$ | - | \$ 6,933,600 | 59% | \$ | 4,058,053 | \$ 2,875,547 | \$ - | \$ | 2,875,547 | \$ | - |
| 1.4.30 1726 - Anne Street North: Sunnidale Road - Barrie City Limits | 2031 - 2041 | 936 | \$ 27,788 | 100 \$ | - | \$ 27,788,400 | 10% | \$ | 2,648,377 | \$ 25,140,023 | \$ - | \$ | 12,570,012 | \$ | 12,570,012 |
| 1.4.31 1730 - Sproule Drive: West cul-de-sac - Ferndale Drive | 2031 - 2041 | 233 | \$ 7,257 | 500 \$ | - | \$ 7,257,600 | 0% | \$ | - | \$ 7,257,600 | \$ - | \$ | 3,628,800 | \$ | 3,628,800 |
| 1.4.32 1731 - Collier Street: Mulcaster Street - Poyntz Street | 2031 - 2041 | 187 | \$ 5,410 | 300 \$ | - | \$ 5,410,800 | 10% | \$ | 530,317 | \$ 4,880,483 | \$ - | \$ | 2,440,242 | \$ | 2,440,242 |
| 1.4.33 1301 - Bayview Drive: Little Avenue - Big Bay Point Road | 2023 - 2030 | 1,391 | \$ 57,056 | 100 \$ | - | \$ 57,056,400 | 7% | \$ | 3,935,585 | \$ 53,120,815 | \$ - | \$ | 53,120,815 | \$ | - |
| 1.4.34 1302 - Big Bay Point Road: Loon Avenue - Dean Avenue | 2031 - 2041 | 728 | \$ 42,994 | 300 \$ | - | \$ 42,994,800 | 26% | \$ | 11,124,644 | \$ 31,870,156 | \$ - | \$ | 15,935,078 | \$ | 15,935,078 |
| 1.4.35 1303 - Wellington Street West: Bayfield Street - Sunnidale Road | 2031 - 2041 | 574 | \$ 19,299 | 500 \$ | - | \$ 19,299,600 | 8% | \$ | 1,625,104 | \$ 17,674,496 | \$ - | \$ | 8,837,248 | \$ | 8,837,248 |
| 1.4.36 1304 - Anne Street North: Dunlop Street West - Wellington Street | 2023 - 2030 | 227 | \$ 10,303 | 200 \$ | - | \$ 10,303,200 | 12% | \$ | 1,283,428 | \$ 9,019,772 | \$ - | \$ | 9,019,772 | \$ | - |
| 1.4.37 1305 - Anne Street South: Jacob Terrace - Essa Road | 2031 - 2041 | 488 | \$ 17,863 | 200 \$ | - | \$ 17,863,200 | 8% | \$ | 1,381,224 | \$ 16,481,976 | \$ - | \$ | 8,240,988 | \$ | 8,240,988 |
| 1.4.38 1306 - Anne Street South: Essa Road - Adelaide Street | 2031 - 2041 | 118 | \$ 3,380 | 400 \$ | - | \$ 3,380,400 | 10% | \$ | 334,591 | \$ 3,045,809 | \$ - | \$ | 1,522,905 | \$ | 1,522,905 |
| 1.4.39 1307 - Baldwin Lane: Innisfil Street - Bayview Drive | 2031 - 2041 | 608 | \$ 18,230 | 400 \$ | - | \$ 18,230,400 | 9% | \$ | 1,721,530 | \$ 16,508,870 | \$ - | \$ | 8,254,435 | \$ | 8,254,435 |
| 1.4.40 1308 - Huronia Road: Yonge Street - Herrell Avenue | 2023 - 2030 | 1,309 | \$ 53,784 | 000 \$ | - | \$ 53,784,000 | 7% | \$ | 3,704,119 | \$ 50,079,881 | \$ - | \$ | 50,079,881 | \$ | - |
| | | | | | | | | | | | | | | ı | |



| | | | Gross | Grants/ | Net | Ineligil | ble Cos | ts | Total | | DC Eligible Co | sts | |
|--|-------------|--------|------------------|-----------------|------------------|-----------|---------|-------------|------------------|-------------|----------------|------|-------------|
| Project Description | Timing | Length | Project | Subsidies/Other | Municipal | Replaceme | nt BTE | Share | DC Eligible | Available | 2023- | | Post |
| | | (m) | Cost | Recoveries | Cost | % | | \$ | Costs | DC Reserves | 2041 | | 2041* |
| | | | | | | | | | | | | | |
| 1.4.41 1311 - Little Avenue: Yonge Street - Hurst Drive | 2031 - 2041 | 586 | \$ 17,647,200 | \$ - | \$ 17,647,200 | 9% | \$ | 1,658,908 | \$ 15,988,292 | \$ - | \$ 7,994,1 | 46 | 7,994,146 |
| 1.4.42 1312 - Bryne Drive: South of Essa Road - North Cul-de-sac | 2023 - 2030 | 344 | \$ 13,186,800 | \$ - | \$ 13,186,800 | 7% | \$ | 973,127 | \$ 12,213,673 | \$ - | \$ 12,213,6 | 73 9 | - |
| 1.4.43 1313 - Bryne Drive: South Cul-de-sac - North of Caplan Avenue | 2023 - 2030 | 148 | \$ 5,659,200 | \$ - | \$ 5,659,200 | 7% | \$ | 417,618 | \$ 5,241,582 | \$ - | \$ 5,241,5 | 82 5 | - |
| 1.4.44 1315 - Innisfil Street: Tiffin Street - Essa Road | 2031 - 2041 | 379 | \$ 12,938,400 | \$ - | \$ 12,938,400 | 8% | \$ | 1,071,790 | \$ 11,866,610 | \$ - | \$ 5,933,3 | 05 5 | 5,933,305 |
| 1.4.45 1316 - Blake Street: Collier Street - Johnson Street | 2031 - 2041 | 1,787 | \$ 50,263,200 | \$ - | \$ 50,263,200 | 10% | \$ | 5,055,579 | \$ 45,207,621 | \$ - | \$ 22,603,8 | 10 5 | 22,603,810 |
| 1.4.46 1317 - Essa Road: Anne Street South - Osmington Entrance | 2023 - 2030 | 237 | \$ 11,707,200 | \$ - | \$ 11,707,200 | 11% | \$ | 1,341,130 | \$ 10,366,070 | \$ - | \$ 10,366,0 | 70 5 | - |
| 1.4.47 1318 - Essa Road: Dunn Street - Coughlin Avenue | 2023 - 2030 | 1,793 | \$ 60,588,000 | \$ - | \$ 60,588,000 | 8% | \$ | 5,073,069 | \$ 55,514,931 | \$ - | \$ 55,514,9 | 31 5 | - |
| 1.4.48 1320 - Fairview Road: Essa Road - Little Avenue | 2031 - 2041 | 597 | \$ 21,470,400 | \$ - | \$ 21,470,400 | 16% | \$ | 3,377,451 | \$ 18,092,949 | \$ - | \$ 9,046,4 | 75 5 | 9,046,475 |
| 1.4.49 1323 - Tiffin Street: Ferndale Drive - Dunlop Street West | 2031 - 2041 | 1,459 | \$ 47,379,600 | \$ - | \$ 47,379,600 | 9% | \$ | 4,127,059 | \$ 43,252,541 | \$ - | \$ 21,626,2 | 71 5 | 21,626,271 |
| 1.4.50 1325 - Minet's Point Road: Lakeshore Drive/Hurst Drive - Yonge Street | 2031 - 2041 | 329 | \$ 15,735,600 | \$ - | \$ 15,735,600 | 12% | \$ | 1,863,779 | \$ 13,871,821 | \$ - | \$ 6,935,9 | 11 5 | 6,935,911 |
| 1.4.51 1326 - Welham Road: Big Bay Point Road - Mapleview Drive East | 2031 - 2041 | 1,468 | \$ 40,813,200 | \$ - | \$ 40,813,200 | 10% | \$ | 4,152,123 | \$ 36,661,077 | \$ - | \$ 18,330,5 | 38 5 | 18,330,538 |
| 1.4.52 1327 - Welham Road: Mapleview Drive East - South Cul-de-sac | 2031 - 2041 | 731 | \$ 18,727,200 | \$ - | \$ 18,727,200 | 11% | \$ | 2,068,178 | \$ 16,659,022 | \$ - | \$ 8,329,5 | 11 5 | 8,329,511 |
| 1.4.53 1329 - Collier Street: Poyntz Street - Blake Street | 2031 - 2041 | 518 | \$ 13,878,000 | \$ - | \$ 13,878,000 | 11% | \$ | 1,465,511 | \$ 12,412,489 | \$ - | \$ 6,206,2 | 44 5 | 6,206,244 |
| 1.4.54 1371 - Bayview Drive: Burton Avenue - Springhome Road | 2031 - 2041 | 484 | \$ 14,720,400 | \$ - | \$ 14,720,400 | 9% | \$ | 1,368,705 | \$ 13,351,695 | \$ - | \$ 6,675,8 | 48 9 | 6,675,848 |
| 1.4.55 1372 - Anne Street North: Wellington Street - Edgehill Drive | 2031 - 2041 | 356 | \$ 35,488,800 | \$ - | \$ 35,488,800 | 48% | \$ | 17,195,017 | \$ 18,293,783 | \$ - | \$ 9,146,8 | 91 5 | 9,146,891 |
| 1.4.56 1373 - Bayview Drive: Salem Road - Mapleview Drive East | 2031 - 2041 | 1,345 | \$ 37,681,200 | \$ - | \$ 37,681,200 | 10% | \$ | 3,804,524 | \$ 33,876,676 | \$ - | \$ 16,938,3 | 38 9 | 16,938,338 |
| 1.4.57 1374 - Huronia Road: Big Bay Point Road - Lockhart Road (Phase 1) | 2031 - 2041 | 2,770 | \$ 74,358,000 | \$ - | \$ 74,358,000 | 11% | \$ | 7,836,717 | \$ 66,521,283 | \$ - | \$ 33,260,6 | 42 5 | 33,260,642 |
| 1.4.58 1374 - Huronia Road: Big Bay Point Road - Lockhart Road (Phase 2) | 2031 - 2041 | 2,770 | \$ 54,594,000 | \$ - | \$ 54,594,000 | 0% | \$ | - | \$ 54,594,000 | \$ - | \$ 27,297,0 | 00 5 | 27,297,000 |
| 1.4.59 1375 - Bayview Drive: Springhome Road - Little Avenue | 2031 - 2041 | 726 | \$ 15,951,600 | \$ - | \$ 15,951,600 | 10% | \$ | 1,524,114 | \$ 14,427,486 | \$ - | \$ 7,213,7 | 43 5 | 7,213,743 |
| 1.4.60 1376 - Welham Road, Truman, Hamilton: Huronia - Big Bay Point Road | 2031 - 2041 | 1,467 | \$ 38,145,600 | \$ - | \$ 38,145,600 | 11% | \$ | 4,151,762 | \$ 33,993,838 | \$ - | \$ 16,996,9 | 19 9 | 16,996,919 |
| 1.4.61 1378 - Ardagh Road: Patterson - Essa | 2031 - 2041 | 631 | \$ 25,509,600 | \$ - | \$ 25,509,600 | 14% | \$ | 3,572,424 | \$ 21,937,176 | \$ - | \$ 10,968,5 | 88 | 10,968,588 |
| 1.4.62 1379 - Bradford: Dunlop Street West - Tiffin Street | 2031 - 2041 | 1,639 | \$ 68,396,400 | \$ - | \$ 68,396,400 | 13% | \$ | 8,712,191 | \$ 59,684,209 | \$ - | \$ 29,842,1 | 04 5 | 29,842,104 |
| 1.4.63 1380 - Little Avenue: Fairview Road - Yonge | 2031 - 2041 | 2,577 | \$ 83,289,600 | \$ - | \$ 83,289,600 | 9% | \$ | 7,290,117 | \$ 75,999,483 | \$ - | \$ 37,999,7 | 41 5 | 37,999,741 |
| 1.4.64 1945 - Hurst Drive: Bay Lane - Cox Mill Road | 2031 - 2041 | 813 | \$ 1,911,600 | \$ - | \$ 1,911,600 | 0% | \$ | - | \$ 1,911,600 | \$ - | \$ 955,8 | 00 5 | 955,800 |
| 1.4.65 1401 - Penetanguishene Road: Steel Street - Barrie City Limits | 2031 - 2041 | 1,749 | \$ 35,445,600 | \$ - | \$ 35,445,600 | 100% | \$ | 35,445,600 | \$ - | \$ - | \$ - | 5 | - |
| 1.4.66 1403 - Miller Drive: Dunlop Street West - Edgehill Drive | 2031 - 2041 | 1,330 | \$ 31,579,200 | \$ - | \$ 31,579,200 | 100% | \$ | 31,579,200 | \$ - | \$ - | \$ - | 5 | - |
| 1.4.67 1404 - Hart Drive - Dunlop Street West - Vespra Street | 2031 - 2041 | 838 | \$ 21,783,600 | \$ - | \$ 21,783,600 | 50% | \$ | 10,891,800 | \$ 10,891,800 | \$ - | \$ 5,445,9 | 00 5 | 5,445,900 |
| 1.4.68 1405 - Dyment Road: Vespra Street - Tiffin Street | 2031 - 2041 | 682 | \$ 17,269,200 | \$ - | \$ 17,269,200 | 50% | \$ | 8,634,600 | \$ 8,634,600 | \$ - | \$ 4,317,3 | 00 5 | 4,317,300 |
| 1.4.69 1407 - Churchill Drive: Bayview Drive - Welham Road | 2031 - 2041 | 701 | \$ 14,526,000 | \$ - | \$ 14,526,000 | 50% | \$ | 7,263,000 | \$ 7,263,000 | \$ - | \$ 3,631,5 | 00 5 | 3,631,500 |
| 1.4.70 1409 - Saunders Road: Bayview Drive - Huronia Road | 2031 - 2041 | 1,376 | \$ 29,224,800 | \$ - | \$ 29,224,800 | 50% | \$ | 14,612,400 | \$ 14,612,400 | \$ - | \$ 7,306,2 | 00 | 7,306,200 |
| Subtotal Roads Widenings | | | \$ 2,315,530,800 | \$ - | \$ 2,315,530,800 | | \$ 3 | 866,562,492 | \$ 1,948,968,308 | \$ - | \$ 1,289,905,8 | 58 | 659,062,449 |
| | | | | | | | | | | | | | |



| | | | | I | Gross | Grants/ | Τ | Net | Ineligib | ole C | osts | Π | Total | | | DC | Eligible Costs | ; | |
|-------|---|-------------|--------|------|-------------|----------------|-------|-------------|-----------|-------|------------|----|-------------|----|-----------|----------|----------------|----|------------|
| Proje | et Description | Timing | Length | | Project | Subsidies/Othe | r | Municipal | Replaceme | nt B | TE Share | | DC Eligible | ı | Available | | 2023- | | Post |
| | | | (m) | | Cost | Recoveries | ╽ | Cost | % | | \$ | | Costs | DC | Reserves | | 2041 | | 2041* |
| | | | | | | | | | | | | | | | | | | | |
| 1.5 | Streetscape Improvements in Primary Intensification Corridors | | | | | | | | | | | | | | | | | | |
| | 1.5.1 4001 - Dunlop Street: Anne Street - High Street | 2031 - 2041 | 1,500 | \$ | 10,821,600 | \$ - | \$ | 10,821,600 | 0% | \$ | - | \$ | 10,821,600 | \$ | - | \$ | 5,410,800 | \$ | 5,410,800 |
| | 1.5.2 4003 - Burton Avenue: Essa Road - Garden Drive | 2031 - 2041 | 1,500 | \$ | 4,298,400 | \$ - | \$ | 4,298,400 | 0% | \$ | - | \$ | 4,298,400 | \$ | - | \$ | 2,149,200 | \$ | 2,149,200 |
| | 1.5.3 4004 - Yonge Street: Garden Drive - Mapleview Drive East | 2031 - 2041 | 4,500 | \$ | 32,475,600 | \$ - | \$ | 32,475,600 | 0% | \$ | - | \$ | 32,475,600 | \$ | - | \$ | 16,237,800 | \$ | 16,237,800 |
| | 1.5.4 4005 - Bayfield Street: Rose Street - Simcoe Street | 2031 - 2041 | 1,400 | \$ | 3,931,200 | \$ - | \$ | 3,931,200 | 0% | \$ | - | \$ | 3,931,200 | \$ | - | \$ | 1,965,600 | \$ | 1,965,600 |
| | 1.5.5 4006 - Duckworth Street: Bell Farm Road - Codrington Street | 2031 - 2041 | 1,500 | \$ | 10,821,600 | \$ - | \$ | 10,821,600 | 100% | \$ | 10,821,600 | \$ | - | \$ | - | \$ | - | \$ | - |
| | 1.5.6 4007 - Codrington Street: Duckworth Street - Berczy Street | 2031 - 2041 | 750 | \$ | 5,410,800 | \$ - | \$ | 5,410,800 | 100% | \$ | 5,410,800 | \$ | - | \$ | - | \$ | - | \$ | - |
| | Subtotal Streetscape Improvements in Primary Intensification Corridors | | | \$ | 67,759,200 | \$ - | \$ | 67,759,200 | | \$ | 16,232,400 | \$ | 51,526,800 | \$ | - | \$ | 25,763,400 | \$ | 25,763,400 |
| 2.0 | SECONDARY PLAN AREA | | | | | | | | | | | | | | | | | | |
| 2.1 | New Roads | | | | | | | | | | | | | | | | | | |
| | 2.1.1 2101 - Salem Road: East of Highway 400 - West of Highway 400 | 2031 - 2041 | | \$ | 50,922,000 | \$ - | \$ | 50,922,000 | 0% | \$ | - | \$ | 50,922,000 | \$ | - | \$ | 25,461,000 | \$ | 25,461,000 |
| | 2.1.2 2127 - McKay Road - 630m west of Collector 4 - County Road 27/Essa | 2031 - 2041 | 890 | \$ | 39,722,400 | \$ - | \$ | 39,722,400 | 0% | \$ | _ | \$ | 39,722,400 | \$ | _ | \$ | 32,651,813 | \$ | 7,070,587 |
| | Road | 2031 2041 | 000 | | | <u>-</u> | - - | ,, | 5,0 | 1 | | Ť | | - | | <u> </u> | | - | .,, |
| | Subtotal New Roads | | | \$ | 90,644,400 | \$ - | \$ | 90,644,400 | | \$ | - | \$ | 90,644,400 | \$ | - | \$ | 58,112,813 | \$ | 32,531,587 |
| 2.2 | Roads Widened | | | | | | | | | | | | | | | | | | |
| | 2.2.1 2201 - Big Bay Point Road: Prince William Way - 230m west Collector 11 | 2031 - 2041 | 829 | \$ | 26,017,200 | \$ - | \$ | 26,017,200 | 9% | \$ | 2,346,170 | \$ | 23,671,030 | \$ | - | \$ | 11,835,515 | \$ | 11,835,515 |
| | 2.2.2 2202 - Mapleview Drive: Yonge Street - Prince William Way | 2023 - 2030 | 1,393 | \$ 1 | 119,566,800 | \$ - | \$ | 119,566,800 | 3% | \$ | 3,940,810 | \$ | 115,625,990 | \$ | - | \$ | 99,888,197 | \$ | 15,737,792 |
| | 2.2.3 2203 - Lockhart Road: Bayview Drive - Yonge Street (Phase 1) | 2023 - 2030 | 4,434 | \$ 1 | 173,502,000 | \$ - | \$ | 173,502,000 | 7% | \$ | 12,544,926 | \$ | 160,957,074 | \$ | - | \$ | 160,957,074 | \$ | - |
| | 2.2.4 2203 - Lockhart Road: Bayview Drive - Yonge Street (Phase 2) | 2031 - 2041 | 4,434 | \$ 1 | 126,954,000 | \$ - | \$ | 126,954,000 | 0% | \$ | - | \$ | 126,954,000 | \$ | - | \$ | 63,477,000 | \$ | 63,477,000 |
| | 2.2.5 2204 - McKay Road West: West Boundary of Interchange - Reid Drive | 2023 - 2030 | 1,103 | \$ | 22,561,004 | \$ - | \$ | 22,561,004 | 14% | \$ | 3,121,290 | \$ | 19,439,714 | \$ | - | \$ | 19,439,714 | \$ | - |
| | (Phase 1) 2.2.6 2204 - McKay Road West: West Boundary of Interchange - Reid Drive | 2031 - 2041 | 1.103 | \$ | 22,561,004 | \$ - | \$ | 22,561,004 | 0% | \$ | | \$ | 22,561,004 | d. | _ | \$ | 11,280,502 | d. | 11,280,502 |
| | (Phase 2) | 2031 - 2041 | 1,103 | Φ | 22,301,004 | Φ - | J | 22,301,004 | 076 | φ | - | Φ | 22,301,004 | Φ | | 9 | 11,200,302 | Þ | 11,200,302 |
| | 2.2.7 2205 - McKay Road East: East Boundary of Interchange - Huronia Road | 2023 - 2030 | 2,102 | \$ | 53,038,800 | \$ - | \$ | 53,038,800 | 11% | \$ | 5,947,771 | \$ | 47,091,029 | \$ | - | \$ | 41,107,187 | \$ | 5,983,842 |
| | (Phase 1) | | | | | | | | | | | | | | | | | | |
| | 2.2.8 2205 - McKay Road East: East Boundary of Interchange - Huronia Road | 2031 - 2041 | 2,102 | \$ | 40,348,800 | \$ - | \$ | 40,348,800 | 0% | \$ | - | \$ | 40,348,800 | \$ | - | \$ | 20,174,400 | \$ | 20,174,400 |
| | (Phase 2) 2.2.9 2206 - Veterans Drive: Salem Road - 540m South of Salem Road | 2023 - 2030 | 543 | \$ | 17,874,000 | \$ - | \$ | 17,874,000 | 9% | \$ | 1,535,103 | 4 | 16.338.897 | Φ. | _ | \$ | 16.338.897 | 4 | |
| | 2.2.10 2207 - Veterans Drive: 540m south of Salem Road - McKay Road West | 2023 - 2030 | 886 | | 25,498,800 | \$ - | \$ | | 10% | \$ | 2,507,781 | \$ | 22,991,019 | \$ | - | \$ | 22,991,019 | \$ | - |
| | 2.2.11 2208 - Yonge Street: Mapleview Drive East - Madelaine Drive | 2023 - 2030 | 686 | 1 | 19,267,200 | \$ - | \$ | | 10% | \$ | 1,941,187 | \$ | 17,326,013 | | - | 9 % | 17,326,013 | 9 | |
| | 2.2.11 2206 - Tonge Street: Mapleview Drive East - Madelaine Drive 2.2.12 2209 - Lockhart Road: Yonge Street - Prince William Way | 2023 - 2030 | 1.400 | \$ | 73,591,200 | \$ - | \$ | | 5% | \$ | 3,961,094 | 9 | 69,630,106 | | - | 9 % | 34,815,053 | 9 | 34,815,053 |
| | | | , | | | \$ - | \$ | 10,002, | 12% | 9 | | 0 | | | | Ť | | 4 | 34,013,033 |
| | 2.2.13 2212 - Yonge Street: Madelaine Drive - Lockhart Road | 2023 - 2030 | 662 | 2 | 16,264,800 | Ф - | 1 3 | 16,264,800 | 12./0 | 3 | 1,872,084 | 3 | 14,392,716 | Э | - | \$ | 14,392,716 | 3 | - |
| | | | | | | | 1_ | | | | | | | | | | | | |



| | | | | Gross | Grants/ | Net | Ineligi | ble Costs | Total | | DC Eligible Costs | |
|---------|---|-------------|--------|------------------|-----------------|------------------|-----------|---------------|------------------|-------------|-------------------|----------------|
| Project | Description | Timing | Length | Project | Subsidies/Other | Municipal | Replaceme | ent BTE Share | DC Eligible | Available | 2023- | Post |
| | | | (m) | Cost | Recoveries | Cost | % | \$ | Costs | DC Reserves | 2041 | 2041* |
| | | | | | | | | | | | | |
| | 2.2.14 2214 - Lockhart Road: East of Highway 400 - Bayview Drive | 2031 - 2041 | 519 | \$ 16,696,800 | \$ - | \$ 16,696,800 | 9% | \$ 1,469,461 | \$ 15,227,339 | \$ - | \$ 7,613,670 | \$ 7,613,670 |
| | 2.2.15 2215 - Salem Road: West of Highway 400 - Veterans Drive | 2031 - 2041 | 866 | \$ 27,313,200 | \$ - | \$ 27,313,200 | 9% | \$ 2,450,611 | \$ 24,862,589 | \$ - | \$ 12,431,294 | \$ 12,431,294 |
| | 2.2.16 2301 - Big Bay Point Road: 230m west of Collector 11 - 200m East of Collector 11 | 2023 - 2030 | 620 | \$ 17,658,000 | \$ - | \$ 17,658,000 | 10% | \$ 1,753,112 | \$ 15,904,888 | \$ - | \$ 15,904,888 | \$ - |
| | 2.2.17 2302 - Mapleview Drive: Prince William Way - 300M West of 20th Sideroad | 2023 - 2030 | 1,505 | \$ 41,688,000 | \$ - | \$ 41,688,000 | 10% | \$ 4,259,544 | \$ 37,428,456 | \$ - | \$ 37,428,456 | \$ - |
| | 2.2.18 2303 - Salem Road: Veterans Drive - County Road 27 | 2031 - 2041 | 3,067 | \$ 88,959,600 | \$ - | \$ 88,959,600 | 10% | \$ 8,678,273 | \$ 80,281,327 | \$ - | \$ 64,462,902 | \$ 15,818,425 |
| | 2.2.19 2305 - Lockhart Road: Prince William Way - 160m east of Collector 11 | 2031 - 2041 | 620 | \$ 10,616,400 | \$ - | \$ 10,616,400 | 17% | \$ 1,755,155 | \$ 8,861,245 | \$ - | \$ 4,430,622 | \$ 4,430,622 |
| | 2.2.20 2306 - McKay Road: Reid Drive - 190m east of Collector 4 | 2031 - 2041 | 781 | \$ 18,338,400 | \$ - | \$ 18,338,400 | 12% | \$ 2,208,554 | \$ 16,129,846 | \$ - | \$ 12,868,988 | \$ 3,260,858 |
| | 2.2.21 2307 - Essa Road: Former City Limits - C.R. 27 | 2023 - 2030 | 2,203 | \$ 59,983,200 | \$ - | \$ 59,983,200 | 10% | \$ 6,234,431 | \$ 53,748,769 | \$ - | \$ 43,082,807 | \$ 10,665,962 |
| | 2.2.22 2308 - Huronia Road: Lockhart Road - Barrie City Limits (Phase 1) | 2023 - 2030 | 2,059 | \$ 51,192,000 | \$ - | \$ 51,192,000 | 11% | \$ 5,825,846 | \$ 45,366,154 | \$ - | \$ 45,366,154 | \$ - |
| | 2.2.23 2308 - Huronia Road: Lockhart Road - Barrie City Limits (Phase 2) | 2031 - 2041 | 2,059 | \$ 38,296,800 | \$ - | \$ 38,296,800 | 0% | \$ - | \$ 38,296,800 | \$ - | \$ 19,148,400 | \$ 19,148,400 |
| | 2.2.24 2309 - McKay Road: 190m east of Collector 4 - 290m west of Collector 4 | 2031 - 2041 | 485 | \$ 10,735,200 | \$ - | \$ 10,735,200 | 13% | \$ 1,371,249 | \$ 9,363,951 | \$ - | \$ 7,455,063 | \$ 1,908,888 |
| | 2.2.25 2310 - McKay Road: 290m west of Collector 4 - 630 m west of Collector 4 | 2031 - 2041 | 337 | \$ 8,121,600 | \$ - | \$ 8,121,600 | 12% | \$ 952,878 | \$ 7,168,722 | \$ - | \$ 5,724,573 | \$ 1,444,149 |
| | 2.2.26 2312 - Veterans Drive: McKay Road West - Barrie City Limits | 2023 - 2030 | 629 | \$ 17,010,000 | \$ - | \$ 17,010,000 | 10% | \$ 1,780,668 | \$ 15,229,332 | \$ - | \$ 15,229,332 | \$ - |
| | Subtotal Roads Widened | | | \$ 1,143,654,807 | \$ - | \$ 1,143,654,807 | | \$ 78,457,998 | \$ 1,065,196,809 | \$ - | \$ 825,170,436 | \$ 240,026,373 |
| 2.3 | Secondary Plan Area: Roads Reconstructed to Urban Standard (No Additional Vehicle Lanes) | | | | | | | | | | | |
| | 2.3.1 3003 - 20th Side Road: Big Bay Point Road - Lockhart Road | 2031 - 2041 | 2,765 | \$ 58,104,000 | \$ - | \$ 58,104,000 | 13% | \$ 7,824,159 | \$ 50,279,841 | \$ - | \$ 25,139,920 | \$ 25,139,920 |
| | 2.3.2 3004 - Big Bay Point Road: 200m east of Collector 11 - 20th Sideroad | 2031 - 2041 | 627 | \$ 12,614,400 | \$ - | \$ 12,614,400 | 14% | \$ 1,774,968 | \$ 10,839,432 | \$ - | \$ 5,419,716 | \$ 5,419,716 |
| | 2.3.3 3005 - Mapleview Drive East: 300m wes of 20th Sideroad - 20th Sideroad | 2023 - 2030 | 300 | \$ 5,896,800 | \$ - | \$ 5,896,800 | 14% | \$ 847,673 | \$ 5,049,127 | \$ - | \$ 5,049,127 | \$ - |
| | 2.3.4 3006 - Lockhart Road: 160m east of Collector 11 - 20th Sideroad | 2031 - 2041 | 1,062 | \$ 21,351,600 | \$ - | \$ 21,351,600 | 14% | \$ 3,004,050 | \$ 18,347,550 | \$ - | \$ 9,173,775 | \$ 9,173,775 |
| | Subtotal Secondary Plan Area: Roads Reconstructed to Urban Standard (No Additional Vehicle Lanes) | | | \$ 97,966,800 | \$ - | \$ 97,966,800 | | \$ 13,450,849 | \$ 84,515,951 | \$ - | \$ 44,782,539 | \$ 39,733,412 |



| | | | Gross | Grants/ | Net | Ineligi | ble Costs | Total | | DC Eligible Costs | 5 |
|---|-------------|--------|---------------|-----------------|---------------|-----------|---------------|---------------|-------------|-------------------|---------|
| Project Description | Timing | Length | Project | Subsidies/Other | Municipal | Replaceme | ent BTE Share | DC Eligible | Available | 2023- | Post |
| | | (m) | Cost | Recoveries | Cost | % | \$ | Costs | DC Reserves | 2041 | 2041* |
| 3.0 ACTIVE TRANSPORTATION - FORMER BOUNDARY | | | | | | | | | | | |
| 3.1 Cycling Facilities - Former Barrie | | | | | | | | | | | |
| 3.1.1 Signed Routes | 2023 - 2030 | | \$ 85,677 | \$ - | \$ 85,677 | 40% | \$ 34,271 | \$ 51,406 | \$ - | \$ 51,406 | \$ |
| 3.1.2 Signed Routes | 2031 - 2031 | | \$ 890 | \$ - | \$ 890 | 40% | \$ 356 | \$ 534 | \$ - | \$ 534 | \$ |
| 3.1.3 Urban Shoulders | 2023 - 2030 | | \$ 85,074 | \$ - | \$ 85,074 | 40% | \$ 34,030 | \$ 51,045 | \$ - | \$ 51,045 | \$ |
| 3.1.4 Bike Lanes | 2023 - 2028 | | \$ 1,488,387 | \$ - | \$ 1,488,387 | 40% | \$ 595,355 | \$ 893,032 | \$ - | \$ 893,032 | \$ |
| 3.1.5 Bike Lanes | 2029 - 2034 | | \$ 2,541,213 | \$ - | \$ 2,541,213 | 40% | \$ 1,016,485 | \$ 1,524,728 | \$ - | \$ 1,524,728 | \$ |
| 3.1.6 Bike Lanes | 2035 - 2041 | | \$ 51,812 | \$ - | \$ 51,812 | 40% | \$ 20,725 | \$ 31,087 | \$ - | \$ - | \$ |
| 3.1.7 Buffered Bike Lanes | 2023 - 2028 | | \$ 811,580 | \$ - | \$ 811,580 | 40% | \$ 324,632 | \$ 486,948 | \$ - | \$ 486,948 | \$ |
| 3.1.8 Buffered Bike Lanes | 2029 - 2034 | | \$ 1,572,800 | \$ - | \$ 1,572,800 | 40% | \$ 629,120 | \$ 943,680 | \$ - | \$ 943,680 | \$ |
| 3.1.9 Buffered Bike Lanes | 2035 - 2041 | | \$ 6,310 | \$ - | \$ 6,310 | 40% | \$ 2,524 | \$ 3,786 | \$ - | \$ - | \$ |
| 3.1.10 Cycle Tracks | 2023 - 2028 | | \$ 1,281,125 | \$ - | \$ 1,281,125 | 40% | \$ 512,450 | \$ 768,675 | \$ - | \$ 768,675 | \$ |
| 3.1.11 Cycle Tracks | 2029 - 2034 | | \$ 2,116,035 | \$ - | \$ 2,116,035 | 40% | \$ 846,414 | \$ 1,269,621 | \$ - | \$ 1,269,621 | \$ |
| 3.1.12 Cycle Tracks | 2035 - 2041 | | \$ 16,732,752 | \$ - | \$ 16,732,752 | 40% | \$ 6,693,101 | \$ 10,039,651 | \$ - | \$ - | \$ 10,0 |
| Subtotal Cycling Facilities - Former Barrie | | | \$ 26,773,654 | \$ - | \$ 26,773,654 | | \$ 10,709,462 | \$ 16,064,192 | \$ - | \$ 5,989,668 | \$ 10,0 |
| 3.2 Multi-Use Facilities - Former Barrie | | | | | | | | | | | |
| 3.2.1 In-Boulevard Pathway | 2023 - 2028 | | \$ 3,785,345 | \$ - | \$ 3,785,345 | 40% | \$ 1,514,138 | \$ 2,271,207 | \$ - | \$ 2,271,207 | \$ |
| 3.2.2 In-Boulevard Pathway | 2029 - 2034 | | \$ 9,830,795 | \$ - | \$ 9,830,795 | 40% | \$ 3,932,318 | \$ 5,898,477 | \$ - | \$ 5,898,477 | \$ |
| 3.2.3 In-Boulevard Pathway | 2035 - 2041 | | \$ 9,297,994 | \$ - | \$ 9,297,994 | 40% | \$ 3,719,198 | \$ 5,578,797 | \$ - | \$ - | \$ 5,5 |
| Subtotal Multi-Use Facilities - Former Barrie | | | \$ 22,914,134 | \$ - | \$ 22,914,134 | | \$ 9,165,654 | \$ 13,748,480 | \$ - | \$ 8,169,684 | \$ 5,5 |
| 3.3 Sidewalks - Former Barrie | | | | | | | | | | | |
| 3.3.1 Sidewalks | 2023 - 2028 | | \$ 12,892,257 | \$ - | \$ 12,892,257 | 40% | \$ 5,156,903 | \$ 7,735,354 | \$ - | \$ 7,735,354 | \$ |
| 3.3.2 Sidewalks | 2029 - 2034 | | \$ 24,621,812 | \$ - | \$ 24,621,812 | 40% | \$ 9,848,725 | . , , | \$ - | \$ 14,773,087 | \$ |
| 3.3.3 Sidewalks | 2035 - 2041 | | \$ 36,295,520 | \$ - | \$ 36,295,520 | 40% | \$ 14,518,208 | \$ 21,777,312 | \$ - | \$ - | \$ 21,7 |
| Subtotal Sidewalks - Former Barrie | | 1 | \$ 73,809,589 | \$ - | \$ 73,809,589 | | \$ 29,523,836 | \$ 44,285,754 | \$ - | \$ 22,508,441 | \$ 21,7 |



| | | | Gross | Grants/ | Net | | gible Co | | Total | DC Eligible Costs | | | | |
|---------|---|-------------|---------------|-----------------|--|-------------------|---------------|---------|---------------|----------------------|--------------------------|---------------|-------|------------|
| Project | Description | Timing | Length (m) | Project Cost | Subsidies/Othe Recoveries | Municipal Cost | Replacem % | nent BT | E Share \$ | DC Eligible Costs | Available DC Reserves | 2023- 2041 | | Post 2041* |
| | | | () | 0001 | THE SECTION SE | 0001 | ,, | | | 000.0 | DO MODELINO | 2012 | | |
| 4.0 | ACTIVE TRANSPORTATION - SECONDARY PLAN AREA | | | | | | | | | | | | | |
| 4.1 | Cycling Facilities - Secondary Plan Area | | | | | | | | | | | | | |
| | 4.1.1 Signed Routes | 2023 - 2028 | | \$ 7,65 | \$ - | \$ 7,65 | 5% | \$ | 382 | \$ 7,267 | \$ - | \$ 7,2 | 57 \$ | |
| | 4.1.2 Signed Routes | 2029 - 2034 | | \$ 1,18 | 7 \$ - | \$ 1,18 | 7 5% | \$ | 59 | \$ 1,127 | \$ - | \$ 1,1 | 27 \$ | |
| | 4.1.3 Signed Routes | 2035 - 2041 | | \$ 65 | 3 \$ - | \$ 65 | 3 5% | \$ | 33 | \$ 625 | \$ - | \$ - | \$ | |
| | 4.1.4 Bike Lanes | 2023 - 2028 | | \$ 78,95 | 5 \$ - | \$ 78,95 | 5 5% | \$ | 3,948 | \$ 75,007 | \$ - | \$ 75,0 |)7 \$ | |
| | 4.1.5 Bike Lanes | 2029 - 2034 | | \$ 7,20 | 7 \$ - | \$ 7,20 | 7 5% | \$ | 360 | \$ 6,847 | \$ - | \$ 6,8 | 17 \$ | |
| | 4.1.6 Bike Lanes | 2035 - 2041 | | \$ 1,72 | 7 \$ - | \$ 1,72 | 7 5% | \$ | 86 | \$ 1,641 | \$ - | \$ 1,6 | 11 \$ | |
| | 4.1.7 Buffered Bike Lanes | 2023 - 2028 | | \$ 1,329,92 | 7 \$ - | \$ 1,329,92 | 7 5% | \$ | 66,496 | \$ 1,263,431 | \$ - | \$ 1,263,4 | 81 \$ | |
| | 4.1.8 Buffered Bike Lanes | 2029 - 2034 | | \$ 2,015,85 | 5 \$ - | \$ 2,015,85 | 5 5% | \$ | 100,793 | \$ 1,915,062 | \$ - | \$ 1,915,0 | 52 \$ | |
| | 4.1.9 Buffered Bike Lanes | 2035 - 2041 | | \$ 657,58 | 7 \$ - | \$ 657,58 | 7 5% | \$ | 32,879 | \$ 624,708 | \$ - | \$ - | \$ | |
| | 4.1.10 Cycle Tracks | 2023 - 2028 | | \$ 10,895,56 | 1 \$ - | \$ 10,895,56 | 1 5% | \$ | 544,778 | \$ 10,350,783 | \$ - | \$ 10,350,7 | 33 \$ | |
| | 4.1.11 Cycle Tracks | 2029 - 2034 | | \$ 7,827,50 | 9 \$ - | \$ 7,827,50 | 5% | \$ | 391,375 | \$ 7,436,134 | \$ - | \$ 7,436,1 | 84 \$ | |
| | 4.1.12 Cycle Tracks | 2035 - 2041 | | \$ 14,158,71 | 4 \$ - | \$ 14,158,71 | <u>4</u> 5% | \$ | 707,936 | \$ 13,450,778 | \$ - | \$ - | \$ | 13, |
| | Subtotal Cycling Facilities - Secondary Plan Area | | | \$ 36,982,53 | 7 \$ - | \$ 36,982,53 | 7 5% | \$ | 1,849,127 | \$ 35,133,410 | \$ - | \$ 21,057,2 | 99 \$ | 14, |
| 4.2 | Multi-Use Facilities - Secondary Plan Area | | | | | | | | | | | | | |
| | 4.2.1 In-Boulevard Pathways | 2023 - 2028 | | \$ 3,415,11 | 3 \$ - | \$ 3,415,11 | 3 5% | \$ | 170,756 | \$ 3,244,358 | \$ - | \$ 3,244,3 | 58 \$ | |
| | 4.2.2 In-Boulevard Pathways | 2029 - 2034 | | \$ 384,57 | 5 \$ - | \$ 384,57 | 5 5% | \$ | 19,229 | \$ 365,347 | \$ - | \$ 365,3 | 17 \$ | |
| | 4.2.3 In-Boulevard Pathways | 2035 - 2041 | | \$ 5,877,81 | 9 \$ - | \$ 5,877,81 | 9 5% | \$ | 293,891 | \$ 5,583,928 | \$ - | \$ - | \$ | 5, |
| | Subtotal Multi-Use Facilities - Secondary Plan Area | | | \$ 9,677,50 | \$ - | \$ 9,677,50 | Э | \$ | 483,875 | \$ 9,193,633 | \$ - | \$ 3,609,7 |)5 \$ | 5, |
| 4.3 | Sidewalks - Secondary Plan Area | | | | | | | | | | | | | |
| | 4.3.1 Sidewalks | 2023 - 2041 | | \$ 2,202,00 | 1 \$ - | \$ 2,202,00 | 1 5% | \$ | 110,100 | \$ 2,091,901 | \$ - | \$ 2,091,9 |)1 \$ | |
| | Subtotal Sidewalks - Secondary Plan Area | | | \$ 2,202,00 | 1 \$ - | \$ 2,202,00 | 1 | \$ | 110,100 | \$ 2,091,901 | \$ - | \$ 2,091,9 | 01 \$ | |
| 4.4 | Other Active Transportation Facilities | | | | | | | | | | | | | |
| | 4.4.1 Outreach Programs | 2023 - 2030 | | \$ 1,119,36 | \$ - | \$ 1,119,36 | 40% | \$ | 447,744 | \$ 671,616 | \$ - | \$ 671,6 | 16 \$ | |
| | 4.4.2 Bus Stops | 2023 - 2028 | | \$ 2,516,00 | \$ - | \$ 2,516,00 | 0% | \$ | - | \$ 2,516,000 | \$ - | \$ 2,516,0 | 00 \$ | |
| | 4.4.3 Bus Stops | 2029 - 2034 | | \$ 1,910,00 | \$ - | \$ 1,910,00 | 0% | \$ | - | \$ 1,910,000 | \$ - | \$ 1,910,0 | 00 \$ | |
| | 4.4.4 Bus Stops | 2035 - 2041 | | \$ 2,637,00 | \$ - | \$ 2,637,00 | 0% | \$ | - | \$ 2,637,000 | \$ - | \$ - | \$ | 2, |
| | 4.4.5 ITS | 2023 - 2028 | | \$ 1,117,00 | \$ - | \$ 1,117,00 | 0% | \$ | - | \$ 1,117,000 | \$ - | \$ 1,117,0 | 00 \$ | |
| | 4.4.6 ITS | 2029 - 2034 | | \$ 471,00 | \$ - | \$ 471,00 | 0% | \$ | - | \$ 471,000 | \$ - | \$ 471,0 | 00 \$ | |
| | 4.4.7 ITS | 2035 - 2041 | | \$ 592,00 | \$ - | \$ 592,00 | 0% | \$ | - | \$ 592,000 | \$ - | \$ - | \$ | |
| | 4.4.8 HOV Master arms | 2029 - 2041 | | \$ 121,00 | 9 \$ - | \$ 121,00 | 0% | \$ | - | \$ 121,000 | \$ - | \$ 121,0 | 00 \$ | |
| | Subtotal Other Active Transportation Facilities | | | \$ 10,483,36 |) \$ - | \$ 10,483,36 | 1 | | 447,744 | \$ 10,035,616 | ¢ | \$ 6,806,6 | 6 0 | 3, |



| | | | Gross | Grants/ | Net | Ineligib | le Costs | Total | | DC Eligible Costs | |
|---|-------------|--------|-----------------|-----------------|-----------------|------------|----------------|-----------------|----------------|-------------------|------------------|
| Project Description | Timing | Length | Project | Subsidies/Other | Municipal | Replacemen | nt BTE Share | DC Eligible | Available | 2023- | Post |
| | | (m) | Cost | Recoveries | Cost | % | \$ | Costs | DC Reserves | 2041 | 2041* |
| | | | | • | | | | | | | |
| 5.0 ADJUSTMENT FOR FUNDED SHARES OF PROJECTS | | | | | | | | | | | |
| 5.1.1 Prior funded shares of projects | 2023 - 2023 | | \$ (83,995,117) | \$ - | \$ (83,995,117) | 0% | \$ - | \$ (83,995,117) | \$ - | \$ (83,995,117) | \$ - |
| Subtotal Adjustment For Funded Shares Of Projects | | | \$ (83,995,117) | \$ - | \$ (83,995,117) | | \$ - | \$ (83,995,117) | \$ - | \$ (83,995,117) | \$ - |
| | | | | | | | | | | | |
| TOTAL SERVICES RELATED TO A HIGHWAY: ROADS | | | \$4,001,874,395 | \$ - | \$4,001,874,395 | | \$ 534,464,232 | \$3,467,410,163 | \$ 123,910,438 | \$ 2,280,792,431 | \$ 1,062,707,293 |
| | | | | | | | | | | | |

^{*}Development related costs to be considered for funding from other tools and/or future DC Studies.

| Residential Development Charge Calculation | | |
|---|-------|-----------------|
| Residential Share of 2023 - 2041 DC Eligible Costs | 69.1% | \$1,576,198,329 |
| Long-Term Growth in Population in New Units | | 92,924 |
| Unadjusted Development Charge Per Capita | | \$16,962.23 |
| Non-Residential Retail Development Charge Calculation | | |
| Non-Residential Share of 2023 - 2041 DC Eligible Costs | 12.2% | \$277,145,888 |
| Long-Term Growth in Square Metres | | 816,960 |
| Unadjusted Development Charge Per Square Metre | | \$339.24 |
| Non-Residential Non-Retail Development Charge Calculation | | |
| Non-Residential Share of 2023 - 2041 DC Eligible Costs | 18.7% | \$427,448,215 |
| Long-Term Growth in Square Metres | | 2,157,070 |
| Unadjusted Development Charge Per Square Metre | | \$198.16 |

| 2023 - 2041 Net Funding Envelope | \$5,582,475,762 |
|----------------------------------|-----------------|
| Current Reserve Fund Balance | \$123,910,438 |



APPENDIX D.1

TABLE 3-1

CITY OF BARRIE CASHFLOW AND DETERMINATION OF DEVELOPMENT CHARGE SERVICES RELATED TO A HIGHWAY: ROADS RESIDENTIAL DEVELOPMENT CHARGE

(in \$000)

| SERVICES RELATED TO A HIGHWAY: ROADS | 2023 | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | 2030 | 2031 | 2032 |
|---|-------------|-------------|--------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| OPENING CASH BALANCE | \$85,631.4 | \$145,008.5 | \$149,949.9 | \$152,445.1 | \$163,153.9 | \$177,184.4 | \$194,749.1 | \$215,319.0 | \$239,796.0 | \$175,010.0 |
| 2023 - 2041 RESIDENTIAL FUNDING REQUIREMENTS | | | | | | | | | | |
| - Prior Growth (Funding from DC Reserve Balance) | \$10,703.9 | \$10,703.9 | \$10,703.9 | \$10,703.9 | \$10,703.9 | \$10,703.9 | \$10,703.9 | \$10,703.9 | \$0.0 | \$0.0 |
| - Services Related To A Highway: Roads : Non Inflated | \$26,244.0 | \$84,290.9 | \$84,290.9 | \$84,290.9 | \$84,290.9 | \$84,290.9 | \$84,963.7 | \$84,963.7 | \$173,404.8 | \$173,404.4 |
| - Services Related To A Highway: Roads : Inflated | \$36,947.9 | \$96,894.7 | \$98,832.6 | \$100,809.3 | \$102,825.4 | \$104,881.9 | \$107,737.3 | \$109,892.1 | \$203,171.3 | \$207,234.3 |
| NEW RESIDENTIAL DEVELOPMENT | | | | | | | | | | |
| - Population Growth in New Units | 5,338 | 5,483 | 5,629 | 5,778 | 5,927 | 6,075 | 6,223 | 6,367 | 6,509 | 3,722 |
| REVENUE | | | | | | | | | | |
| - DC Receipts: Inflated | \$92,358.2 | \$96,764.4 | \$101,327.79 | \$106,090.1 | \$111,002.5 | \$116,049.7 | \$121,254.5 | \$126,541.5 | \$131,951.0 | \$76,961.7 |
| INTEREST | | | | | | | | | | |
| - Interest on Opening Balance | \$2,997.1 | \$5,075.3 | \$0.0 | \$5,335.6 | \$5,710.4 | \$6,201.5 | \$6,816.2 | \$7,536.2 | \$8,392.9 | \$6,125.3 |
| - Interest on In-year Transactions | \$969.7 | (\$3.6) | \$0.0 | \$92.4 | \$143.1 | \$195.4 | \$236.6 | \$291.4 | (\$1,958.6) | (\$3,582.5 |
| TOTAL REVENUE | \$96,325.0 | \$101,836.1 | \$101,327.8 | \$111,518.1 | \$116,855.9 | \$122,446.6 | \$128,307.3 | \$134,369.0 | \$138,385.3 | \$79,504.6 |
| CLOSING CASH BALANCE | \$145,008.5 | \$149,949.9 | \$152,445.1 | \$163,153.9 | \$177,184.4 | \$194,749.1 | \$215,319.0 | \$239,796.0 | \$175,010.0 | \$47,280.3 |

| SERVICES RELATED TO A HIGHWAY: ROADS | 2034 | 2035 | 2036 | 2037 | 2038 | 2039 | 2040 | 2041 | TOTAL |
|--|----------------------------|-----------------------------|---------------------------|---------------------------|---------------------------|---------------------------|--------------------------|--------------------------|--------------------------------|
| OPENING CASH BALANCE | (\$86,773.5) | (\$229,195.2) | (\$375,956.1) | (\$329,733.5) | (\$275,449.5) | (\$215,712.6) | (\$150,129.0) | (\$78,354.1) | |
| 2023 - 2041 RESIDENTIAL FUNDING REQUIREMENTS - Services Related To A Highway: Roads : Non Inflated - Services Related To A Highway: Roads : Inflated | \$173,404.4 \$215,606.6 | \$169,198.8 \$214,584.9 | \$15,959.3 \$20,645.1 | \$15,959.3 \$21,058.0 | \$15,959.3 \$21,479.1 | \$15,959.3 \$21,908.7 | \$15,959.3 \$22,346.9 | \$15,959.3 \$22,793.8 | \$1,576,198.3 \$1,941,028.8 |
| NEW RESIDENTIAL DEVELOPMENT - Population Growth in New Units | 3,795 | 3,829 | 3,860 | 4,040 | 4,083 | 4,127 | 4,169 | 4,210 | 92,924 |
| REVENUE - DC Receipts: Inflated | \$81,641.4 | \$84,020.3 | \$86,394.6 | \$92,231.8 | \$95,077.8 | \$98,024.4 | \$101,002.4 | \$104,035.6 | \$1,902,032.3 |
| INTEREST - Interest on Opening Balance - Interest on In-year Transactions | (\$4,772.5) (\$3,684.0) | (\$12,605.7) (\$3,590.5) | (\$20,677.6) \$1,150.6 | (\$18,135.3) \$1,245.5 | (\$15,149.7) \$1,288.0 | (\$11,864.2) \$1,332.0 | (\$8,257.1) \$1,376.5 | (\$4,309.5) \$1,421.7 | (\$39,926.5) (\$6,708.4) |
| TOTAL REVENUE | \$73,184.9 | \$67,824.1 | \$66,867.6 | \$75,342.0 | \$81,216.0 | \$87,492.2 | \$94,121.8 | \$101,147.9 | \$1,855,397.4 |
| CLOSING CASH BALANCE | (\$229,195.2) | (\$375,956.1) | (\$329,733.5) | (\$275,449.5) | (\$215,712.6) | (\$150,129.0) | (\$78,354.1) | (\$0.0) | |

| 2023 Adjusted Charge Per Capita | \$17,302.03 |
|---------------------------------|-------------|
|---------------------------------|-------------|

| Allocation of Capital Program | |
|------------------------------------|-------|
| Residential Sector | 69.1% |
| Non-Residential Sector | 30.9% |
| Rates for 2023 | |
| Inflation Rate | 2.0% |
| Interest Rate on Positive Balances | 3.5% |
| Interest Rate on Negative Balances | 5.5% |



APPENDIX D.1 TABLE 3-2

CITY OF BARRIE CASHFLOW AND DETERMINATION OF DEVELOPMENT CHARGE

SERVICES RELATED TO A HIGHWAY: ROADS RETAIL DEVELOPMENT CHARGE

(in \$000)

| SERVICES RELATED TO A HIGHWAY: ROADS | 2023 | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | 2030 | 2031 | 2032 |
|---|------------|------------|------------|------------|-------------|-------------|--------------|--------------|--------------|--------------|
| OPENING CASH BALANCE | \$15,056.7 | \$17,921.1 | \$11,282.2 | \$5,309.3 | \$64.6 | (\$4,382.6) | (\$8,054.4) | (\$11,004.0) | (\$13,013.7) | (\$30,442.1) |
| 2023 - 2041 NON-RESIDENTIAL FUNDING REQUIREMENTS | | | | | | | | | | |
| - Prior Growth (Funding from DC Reserve Balance) | \$1,882.1 | \$1,882.1 | \$1,882.1 | \$1,882.1 | \$1,882.1 | \$1,882.1 | \$1,882.1 | \$1,882.1 | \$0.0 | \$0.0 |
| - Services Related To A Highway: Roads : Non Inflated | \$4,614.5 | \$14,821.0 | \$14,821.0 | \$14,821.0 | \$14,821.0 | \$14,821.0 | \$14,939.3 | \$14,939.3 | \$30,490.1 | \$30,490.0 |
| - Services Related To A Highway: Roads : Inflated | \$6,496.6 | \$17,037.2 | \$17,377.9 | \$17,725.5 | \$18,080.0 | \$18,441.6 | \$18,943.7 | \$19,322.5 | \$35,724.0 | \$36,438.4 |
| NON-RESIDENTIAL SPACE GROWTH | | | | | | | | | | |
| - Retail Growth in Square Metres | 24,230 | 26,920 | 29,610 | 32,300 | 35,000 | 37,690 | 40,380 | 43,070 | 45,760 | 43,000 |
| REVENUE | | | | | | | | | | |
| - DC Receipts: Inflated | \$8,793.8 | \$9,965.5 | \$11,180.6 | \$12,440.2 | \$13,749.7 | \$15,102.6 | \$16,504.1 | \$17,955.6 | \$19,458.6 | \$18,650.7 |
| INTEREST | | | | | | | | | | |
| - Interest on Opening Balance | \$527.0 | \$627.2 | \$394.9 | \$185.8 | \$2.3 | (\$241.0) | (\$443.0) | (\$605.2) | (\$715.8) | (\$1,674.3) |
| - Interest on In-year Transactions | \$40.2 | (\$194.5) | (\$170.4) | (\$145.3) | (\$119.1) | (\$91.8) | (\$67.1) | (\$37.6) | (\$447.3) | (\$489.2) |
| TOTAL REVENUE | \$9,361.0 | \$10,398.3 | \$11,405.0 | \$12,480.7 | \$13,632.9 | \$14,769.7 | \$15,994.0 | \$17,312.8 | \$18,295.6 | \$16,487.2 |
| CLOSING CASH BALANCE | \$17,921.1 | \$11,282.2 | \$5,309.3 | \$64.6 | (\$4,382.6) | (\$8,054.4) | (\$11,004.0) | (\$13,013.7) | (\$30,442.1) | (\$50,393.3) |

| SERVICES RELATED TO A HIGHWAY: ROADS | 2034 | 2035 | 2036 | 2037 | 2038 | 2039 | 2040 | 2041 | TOTAL |
|--|--------------------------|--------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|-----------------------------|
| OPENING CASH BALANCE | (\$71,125.5) | (\$92,661.6) | (\$114,061.7) | (\$100,382.2) | (\$84,820.4) | (\$67,235.5) | (\$47,478.0) | (\$25,130.6) | |
| 2023 - 2041 NON-RESIDENTIAL FUNDING REQUIREMENTS - Services Related To A Highway: Roads : Non Inflated - Services Related To A Highway: Roads : Inflated | \$30,490.0 \$37,910.5 | \$29,750.5 \$37,730.9 | \$2,806.2 \$3,630.1 | \$2,806.2 \$3,702.7 | \$2,806.2 \$3,776.7 | \$2,806.2 \$3,852.2 | \$2,806.2 \$3,929.3 | \$2,806.2 \$4,007.9 | \$277,145.9 \$341,294.7 |
| NON-RESIDENTIAL SPACE GROWTH - Retail Growth in Square Metres | 46,000 | 47,500 | 49,500 | 51,000 | 52,500 | 54,000 | 56,000 | 58,000 | 816,960 |
| REVENUE - DC Receipts: Inflated | \$20,758.0 | \$21,863.5 | \$23,239.8 | \$24,422.9 | \$25,644.1 | \$26,904.3 | \$28,458.7 | \$30,064.6 | \$253,773.0 |
| INTEREST - Interest on Opening Balance - Interest on In-year Transactions | (\$3,911.9) (\$471.7) | (\$5,096.4) (\$436.4) | (\$6,273.4) \$343.2 | (\$5,521.0) \$362.6 | (\$4,665.1) \$382.7 | (\$3,698.0) \$403.4 | (\$2,611.3) \$429.3 | (\$1,382.2) \$456.0 | (\$25,516.5) (\$2,405.1) |
| TOTAL REVENUE | \$16,374.4 | \$16,330.8 | \$17,309.6 | \$19,264.5 | \$21,361.6 | \$23,609.7 | \$26,276.7 | \$29,138.4 | \$225,851.5 |
| CLOSING CASH BALANCE | (\$92,661.6) | (\$114,061.7) | (\$100,382.2) | (\$84,820.4) | (\$67,235.5) | (\$47,478.0) | (\$25,130.6) | \$0.0 | |

2023 Adjusted Charge Per Square Metre \$362.93

| Allocation of Capital Program | |
|------------------------------------|-------|
| Residential Sector | 69.1% |
| Retail Sector | 12.2% |
| Non-Retail Sector | 18.7% |
| | |
| Rates for 2023 | |
| Inflation Rate | 2.0% |
| Interest Rate on Positive Balances | 3.5% |
| Interest Rate on Negative Balances | 5.5% |
| | |



APPENDIX D.1 TABLE 3-3

CITY OF BARRIE

CASHFLOW AND DETERMINATION OF DEVELOPMENT CHARGE SERVICES RELATED TO A HIGHWAY: ROADS NON-RETAIL DEVELOPMENT CHARGE

(in \$000)

| SERVICES RELATED TO A HIGHWAY: ROADS | 2023 | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | 2030 | 2031 | 2032 |
|---|------------|------------|------------|------------|-------------|-------------|-------------|-------------|--------------|--------------|
| | | | | | | | | | | |
| OPENING CASH BALANCE | \$23,222.3 | \$28,440.7 | \$19,147.6 | \$11,026.4 | \$4,184.4 | (\$1,267.5) | (\$5,238.0) | (\$7,872.7) | (\$8,816.6) | (\$33,284.4) |
| 2023 - 2041 NON-RESIDENTIAL FUNDING REQUIREMENTS | | | | | | | | | | |
| - Prior Growth (Funding from DC Reserve Balance) | \$2,902.8 | \$2,902.8 | \$2,902.8 | \$2,902.8 | \$2,902.8 | \$2,902.8 | \$2,902.8 | \$2,902.8 | \$0.0 | \$0.0 |
| - Services Related To A Highway: Roads : Non Inflated | \$7,117.09 | \$22,858.8 | \$22,858.8 | \$22,858.8 | \$22,858.8 | \$22,858.8 | \$23,041.3 | \$23,041.3 | \$47,025.5 | \$47,025.4 |
| - Services Related To A Highway: Roads : Inflated | \$10,019.9 | \$26,276.8 | \$26,802.3 | \$27,338.4 | \$27,885.2 | \$28,442.9 | \$29,217.2 | \$29,801.6 | \$55,097.9 | \$56,199.7 |
| NON-RESIDENTIAL SPACE GROWTH | | | | | | | | | | |
| - Non-Retail Growth in Square Metres | 68,370 | 75,970 | 83,560 | 91,160 | 98,760 | 106,360 | 113,950 | 121,550 | 129,140 | 116,050 |
| REVENUE | | | | | | | | | | |
| - DC Receipts: Inflated | \$14,349.7 | \$16,263.7 | \$18,246.3 | \$20,304.0 | \$22,436.6 | \$24,646.5 | \$26,933.4 | \$29,304.3 | \$31,756.9 | \$29,108.7 |
| INTEREST | | | | | | | | | | |
| - Interest on Opening Balance | \$812.8 | \$995.4 | \$670.2 | \$385.9 | \$146.5 | (\$69.7) | (\$288.1) | (\$433.0) | (\$484.9) | (\$1,830.6) |
| - Interest on In-year Transactions | \$75.8 | (\$275.4) | (\$235.3) | (\$193.4) | (\$149.8) | (\$104.4) | (\$62.8) | (\$13.7) | (\$641.9) | (\$745.0) |
| TOTAL REVENUE | \$15,238.2 | \$16,983.7 | \$18,681.2 | \$20,496.4 | \$22,433.2 | \$24,472.4 | \$26,582.5 | \$28,857.7 | \$30,630.1 | \$26,533.0 |
| CLOSING CASH BALANCE | \$28,440.7 | \$19,147.6 | \$11,026.4 | \$4,184.4 | (\$1,267.5) | (\$5,238.0) | (\$7,872.7) | (\$8,816.6) | (\$33,284.4) | (\$62,951.1) |
| | | | | | | | | | | |

| SERVICES RELATED TO A HIGHWAY: ROADS | 2034 | 2035 | 2036 | 2037 | 2038 | 2039 | 2040 | 2041 | TOTAL |
|---|---------------|---------------|---------------|---------------|---------------|--------------|--------------|--------------|--------------|
| OPENING CASH BALANCE | (\$93,781.0) | (\$127,054.9) | (\$160,400.8) | (\$141,293.6) | (\$118,291.7) | (\$92,929.2) | (\$64,786.9) | (\$33,848.5) | |
| 2023 - 2041 NON-RESIDENTIAL FUNDING REQUIREMENTS | | | | | | | | | |
| - Services Related To A Highway: Roads : Non Inflated | \$47,025.4 | \$45,884.9 | \$4,328.0 | \$4,328.0 | \$4,328.0 | \$4,328.0 | \$4,328.0 | \$4,328.0 | \$427,448.2 |
| - Services Related To A Highway: Roads : Inflated | \$58,470.2 | \$58,193.2 | \$5,598.7 | \$5,710.7 | \$5,824.9 | \$5,941.4 | \$6,060.2 | \$6,181.4 | \$526,386.4 |
| NON-RESIDENTIAL SPACE GROWTH | | | | | | | | | |
| - Non-Retail Growth in Square Metres | 119,200 | 122,250 | 121,720 | 129,830 | 131,500 | 134,050 | 136,000 | 137,700 | 2,157,070 |
| REVENUE | | | | | | | | | |
| - DC Receipts: Inflated | \$31,106.7 | \$32,540.7 | \$33,047.6 | \$35,954.5 | \$37,145.3 | \$38,622.9 | \$39,968.5 | \$41,277.4 | \$553,702.3 |
| INTEREST | | | | | | | | | |
| - Interest on Opening Balance | (\$5,158.0) | (\$6,988.0) | (\$8,822.0) | (\$7,771.2) | (\$6,506.0) | (\$5,111.1) | (\$3,563.3) | (\$1,861.7) | (\$49,339.2) |
| - Interest on In-year Transactions | (\$752.5) | (\$705.4) | \$480.4 | \$529.3 | \$548.1 | \$571.9 | \$593.4 | \$614.2 | (\$1,199.1) |
| TOTAL REVENUE | \$25,196.3 | \$24,847.2 | \$24,705.9 | \$28,712.6 | \$31,187.4 | \$34,083.8 | \$36,998.6 | \$40,030.0 | \$503,164.0 |
| CLOSING CASH BALANCE | (\$127,054.9) | (\$160,400.8) | (\$141,293.6) | (\$118,291.7) | (\$92,929.2) | (\$64,786.9) | (\$33,848.5) | \$0.0 | |

2023 Adjusted Charge Per Square Metre \$209.88

| Allocation of Capital Program | | | | | | | |
|------------------------------------|-------|--|--|--|--|--|--|
| Residential Sector | 69.1% | | | | | | |
| Retail Sector | 12.2% | | | | | | |
| Non-Retail Sector | 18.7% | | | | | | |
| Rates for 2023 | | | | | | | |
| Inflation Rate | 2.0% | | | | | | |
| Interest Rate on Positive Balances | 3.5% | | | | | | |
| Interest Rate on Negative Balances | 5.5% | | | | | | |
| | | | | | | | |



Appendix D.2

Water Services: Facilities



Water Services: Facilities

This appendix provides a brief outline of the infrastructure included in the Water Services: Facilities development charge. The development-related projects outlined in this appendix are required to service the demands of new development to 2041. The benefits of the services are considered to be City-wide for the purposes of calculating the development charge.

The following discusses the individual components included in the Water Facilities service category.

The analysis is set out in the tables which follow. The tables include:

Table D.2-1 2023-2041 Development-Related Capital Forecast and Calculation of the Discounted Growth-Related Net Capital Costs

Table D.2-2 Cash Flow Analysis

D. Development-Related Capital Program

i. Gross Capital Program Costs

The capital program includes two projects. The first being Water System Upgrades required to meet new water quality regulations with a total cost of \$2.93 million. The second being the Surface Water Treatment Plant (SWTP) Optimization Implementation for \$10.59 million. The two projects total \$13.51 million.

ii. Grants, Subsidies and Other Recoveries

No grants, subsidies or other recoveries are anticipated for this service. As such, no adjustments have been made.



iii. Replacement and Benefit to Existing Shares

Approximately 57% or \$1.67 million of the Water Systems Upgrades project has been identified as a benefit to existing share and is removed from the DC eligible costs.

iv. Available DC Reserve Funds

An available DC reserve fund balance of \$584,600 is applied to the total DC eligible costs, reducing the in-period DC recoverable share.

v. Other Development-Related / Post-Period Benefit Shares

No post-period benefit allocations have been identified for this service as the infrastructure is required to service development over the planning period.

vi. 2023-2041 DC Eligible Development Related Costs

The total in-period costs included for recovery in the DC calculation amounts to \$11.26 million.

E. Cash Flow Analysis

The long-term cash-flow analysis takes into consideration expenditure timing and revenue projections. The effect of the analysis is an increase in the residential development charge rates to \$93.52 per capita. The adjusted retail cash-flow amounts to \$2.00 per square metre of gross floor area and non-retail amounts to \$1.16 per square metre.

The following table summarizes the calculation of the Water Services Facilities development charge:

| WATER SERVICES - FACILITIES SUMMARY | | | | | | | | | | |
|-------------------------------------|--|----------------------|--------------------------|-----------------------------|----------------------|--------------------------|------------------------------|--|--|--|
| 20 | 23 - 2032 | | Unadjusted | | | Adjusted | | | | |
| Development-R | Development-Related Capital Program Development Charge | | | | | Development Charge | | | | |
| Total \$13,513,107 | Net DC Recoverable \$11,259,995 | \$/capita \$83.74 | Retail \$/sq.m \$1.67 | Non-Retail\$/sq.m \$0.98 | \$/capita \$93.52 | Retail \$/sq.m \$2.00 | Non-Retail \$/sq.m \$1.16 | | | |



APPENDIX D.2 TABLE 1

CITY OF BARRIE WATER SERVICES - FACILITIES DEVELOPMENT-RELATED CAPITAL PROGRAM

| | | Gross | Grants/ | Net | Ineligib | le Costs | Total | | DC Eligible Costs | S |
|---|-------------|---------------|-----------------|---------------|--------------|--------------|---------------|-------------|-------------------|-------|
| Project Description | Timing | Project | Subsidies/Other | Municipal | Replacement | Replacement | DC Eligible | Available | 2023- | Post |
| | | Cost | Recoveries | Cost | & BTE Shares | & BTE Shares | Costs | DC Reserves | 2041 | 2041* |
| WATER SERVICES - FACILITIES | | | | | | | | | | |
| 1.0 Water Projects | | | | | | | | | | |
| 1.1.1 Water System Upgrades Due to New WQ Regulations | 2024 - 2031 | \$ 2,927,118 | \$ - | \$ 2,927,118 | 57% | \$ 1,668,457 | \$ 1,258,661 | \$ 584,655 | \$ 674,006 | \$ - |
| 1.1.2 SWTP Optimization Implementation | 2024 - 2031 | \$ 10,585,990 | \$ - | \$ 10,585,990 | 0% | \$ - | \$ 10,585,990 | \$ - | \$ 10,585,990 | \$ - |
| Subtotal Water Projects | | \$ 13,513,107 | \$ - | \$ 13,513,107 | | \$ 1,668,457 | \$ 11,844,650 | \$ 584,655 | \$ 11,259,995 | \$ - |
| TOTAL WATER SERVICES - FACILITIES | | \$ 13,513,107 | \$ - | \$ 13,513,107 | | \$ 1,668,457 | \$ 11,844,650 | \$ 584,655 | \$ 11,259,995 | \$ - |

^{*}Development related costs to be considered for funding from other tools and/or future DC Studies.

| Residential Development Charge Calculation | | |
|---|-------|-------------|
| Residential Share of 2023 - 2041 DC Eligible Costs | 69.1% | \$7,781,500 |
| Long-Term Growth in Population in New Units | | 92,924 |
| Unadjusted Development Charge Per Capita | | \$83.74 |
| Non-Residential Retail Development Charge Calculation | | |
| Non-Residential Share of 2023 - 2041 DC Eligible Costs | 12.2% | \$1,368,236 |
| Long-Term Growth in Square Metres | | 816,960 |
| Unadjusted Development Charge Per Square Metre | | \$1.67 |
| Non-Residential Non-Retail Development Charge Calculation | | |
| Non-Residential Share of 2023 - 2041 DC Eligible Costs | 18.7% | \$2,110,260 |
| Long-Term Growth in Square Metres | | 2,157,070 |
| Unadjusted Development Charge Per Square Metre | | \$0.98 |

Current Reserve Fund Balance \$584,655



APPENDIX D.2 TABLE 2-1

CITY OF BARRIE CASHFLOW AND DETERMINATION OF DEVELOPMENT CHARGE WATER SERVICES - FACILITIES RESIDENTIAL DEVELOPMENT CHARGE (in \$000)

| WATER SERVICES - FACILITIES | 2023 | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | 2030 | 2031 | 2032 |
|--|---------|-----------|-----------|-----------|-------------|-------------|-------------|-------------|-------------|-------------|
| OPENING CASH BALANCE | \$404.0 | \$926.1 | \$423.6 | (\$93.2) | (\$624.8) | (\$1,180.7) | (\$1,761.9) | (\$2,369.3) | (\$3,004.5) | (\$3,668.7) |
| 2023 - 2041 RESIDENTIAL FUNDING REQUIREMENTS | | | | | | | | | | |
| - Prior Growth (Funding from DC Reserve Balance) | \$0.0 | \$50.5 | \$50.5 | \$50.5 | \$50.5 | \$50.5 | \$50.5 | \$50.5 | \$50.5 | \$0.0 |
| - Water Services - Facilities : Non Inflated | \$0.0 | \$972.7 | \$972.7 | \$972.7 | \$972.7 | \$972.7 | \$972.7 | \$972.7 | \$972.7 | \$0.0 |
| - Water Services - Facilities : Inflated | \$0.0 | \$1,043.7 | \$1,064.5 | \$1,085.8 | \$1,107.5 | \$1,129.7 | \$1,152.3 | \$1,175.3 | \$1,198.8 | \$0.0 |
| NEW RESIDENTIAL DEVELOPMENT | | | | | | | | | | |
| - Population Growth in New Units | 5,338 | 5,483 | 5,629 | 5,778 | 5,927 | 6,075 | 6,223 | 6,367 | 6,509 | 3,722 |
| REVENUE | | | | | | | | | | |
| - DC Receipts: Inflated | \$499.2 | \$523.0 | \$547.70 | \$573.4 | \$600.0 | \$627.3 | \$655.4 | \$684.0 | \$713.2 | \$416.0 |
| INTEREST | | | | | | | | | | |
| - Interest on Opening Balance | \$14.1 | \$32.4 | \$0.0 | (\$5.1) | (\$34.4) | (\$64.9) | (\$96.9) | (\$130.3) | (\$165.2) | (\$201.8) |
| - Interest on In-year Transactions | \$8.7 | (\$14.3) | \$0.0 | (\$14.1) | (\$14.0) | (\$13.8) | (\$13.7) | (\$13.5) | (\$13.4) | \$7.3 |
| TOTAL REVENUE | \$522.1 | \$541.1 | \$547.7 | \$554.2 | \$551.7 | \$548.5 | \$544.8 | \$540.2 | \$534.6 | \$221.5 |
| CLOSING CASH BALANCE | \$926.1 | \$423.6 | (\$93.2) | (\$624.8) | (\$1,180.7) | (\$1,761.9) | (\$2,369.3) | (\$3,004.5) | (\$3,668.7) | (\$3,447.2) |

| | | 2036 | 2037 | 2038 | 2039 | 2040 | 2041 | TOTAL |
|-------------|---|---|---|---|---|---|---|---|
| (\$3,200.7) | (\$2,927.7) | (\$2,626.6) | (\$2,295.9) | (\$1,914.9) | (\$1,497.4) | (\$1,040.6) | (\$542.3) | |
| | | | | | | | | |
| \$0.0 | \$0.0 | \$0.0 | \$0.0 | \$0.0 | \$0.0 | \$0.0 | \$0.0 | \$7,781.5 |
| \$0.0 | \$0.0 | \$0.0 | \$0.0 | \$0.0 | \$0.0 | \$0.0 | \$0.0 | \$8,957.7 |
| | | | | | | | | |
| 3,795 | 3,829 | 3,860 | 4,040 | 4,083 | 4,127 | 4,169 | 4,210 | 92,924 |
| | | | | | | | | |
| \$441.3 | \$454.1 | \$467.0 | \$498.5 | \$513.9 | \$529.8 | \$545.9 | \$562.3 | \$10,280.8 |
| | | | | | | | | |
| (\$176.0) | (\$161.0) | (\$144.5) | (\$126.3) | (\$105.3) | (\$82.4) | (\$57.2) | (\$29.8) | (\$1,724.3) |
| \$7.7 | \$7.9 | \$8.2 | \$8.7 | \$9.0 | \$9.3 | \$9.6 | \$9.8 | (\$3.0) |
| \$273.0 | \$301.1 | \$330.7 | \$381.0 | \$417.6 | \$456.8 | \$498.3 | \$542.3 | \$8,553.6 |
| (\$2,927.7) | (\$2,626.6) | (\$2,295.9) | (\$1,914.9) | (\$1,497.4) | (\$1,040.6) | (\$542.3) | \$0.0 | |
| | \$0.0 \$0.0 3,795 \$441.3 (\$176.0) \$7.7 \$273.0 | \$0.0 \$0.0 \$0.0 \$0.0 \$0.0 \$0.0 \$0.0 \$0.0 | \$0.0 \$0.0 \$0.0 \$0.0 \$0.0 \$0.0 \$0.0 \$0.0 | \$0.0 \$0.0 \$0.0 \$0.0 \$0.0 \$0.0 \$0.0 \$0.0 | \$0.0 \$0.0 \$0.0 \$0.0 \$0.0 \$0.0 \$0.0 \$0.0 | \$0.0 \$0.0 \$0.0 \$0.0 \$0.0 \$0.0 \$0.0 \$0.0 | \$0.0 \$0.0 \$0.0 \$0.0 \$0.0 \$0.0 \$0.0 \$0.0 | \$0.0 \$0.0 \$0.0 \$0.0 \$0.0 \$0.0 \$0.0 \$0.0 |

| 2023 Adjusted Charge Per Capita | \$93.52 |
|---------------------------------|---------|
| | |

| Allocation of Capital Program | |
|---|----------------------|
| Residential Sector | 69.1% |
| Non-Residential Sector | 30.9% |
| Rates for 2023 Inflation Rate Interest Rate on Positive Balances Interest Rate on Negative Balances | 2.0% 3.5% 5.5% |



APPENDIX D.2 TABLE 2-2

CITY OF BARRIE CASHFLOW AND DETERMINATION OF DEVELOPMENT CHARGE WATER SERVICES - FACILITIES RETAIL DEVELOPMENT CHARGE

(in \$000)

| WATER SERVICES - FACILITIES | 2023 | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | 2030 | 2031 | 2032 |
|--|---------|---------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|----------|
| OPENING CASH BALANCE | \$71.0 | \$122.9 | (\$4.9) | (\$134.2) | (\$267.2) | (\$404.1) | (\$544.9) | (\$689.5) | (\$838.0) | (\$990.5 |
| 2023 - 2041 NON-RESIDENTIAL FUNDING REQUIREMENT | S | | | | | | | | | |
| - Prior Growth (Funding from DC Reserve Balance) | \$0.0 | \$8.9 | \$8.9 | \$8.9 | \$8.9 | \$8.9 | \$8.9 | \$8.9 | \$8.9 | \$0.0 |
| - Water Services - Facilities : Non Inflated | \$0.0 | \$171.0 | \$171.0 | \$171.0 | \$171.0 | \$171.0 | \$171.0 | \$171.0 | \$171.0 | \$0.0 |
| - Water Services - Facilities : Inflated | \$0.0 | \$183.5 | \$187.2 | \$190.9 | \$194.7 | \$198.6 | \$202.6 | \$206.7 | \$210.8 | \$0.0 |
| NON-RESIDENTIAL SPACE GROWTH | | | | | | | | | | |
| - Retail Growth in Square Metres | 24,230 | 26,920 | 29,610 | 32,300 | 35,000 | 37,690 | 40,380 | 43,070 | 45,760 | 43,000 |
| REVENUE | | | | | | | | | | |
| - DC Receipts: Inflated | \$48.5 | \$55.0 | \$61.7 | \$68.6 | \$75.8 | \$83.3 | \$91.0 | \$99.0 | \$107.3 | \$102.8 |
| INTEREST | | | | | | | | | | |
| - Interest on Opening Balance | \$2.5 | \$4.3 | (\$0.3) | (\$7.4) | (\$14.7) | (\$22.2) | (\$30.0) | (\$37.9) | (\$46.1) | (\$54.5 |
| - Interest on In-year Transactions | \$0.8 | (\$3.5) | (\$3.5) | (\$3.4) | (\$3.3) | (\$3.2) | (\$3.1) | (\$3.0) | (\$2.8) | \$1.8 |
| TOTAL REVENUE | \$51.8 | \$55.7 | \$57.9 | \$57.9 | \$57.9 | \$57.9 | \$58.0 | \$58.1 | \$58.4 | \$50.2 |
| CLOSING CASH BALANCE | \$122.9 | (\$4.9) | (\$134.2) | (\$267.2) | (\$404.1) | (\$544.9) | (\$689.5) | (\$838.0) | (\$990.5) | (\$940.3 |

| 2034 | 2035 | 2036 | 2037 | 2038 | 2039 | 2040 | 2041 | TOTAL |
|-----------|---|--|--|--|---|--|--|--|
| (\$881.5) | (\$813.5) | (\$735.6) | (\$645.7) | (\$544.2) | (\$430.2) | (\$302.9) | (\$159.9) | |
| S | | | | | | | | |
| \$0.0 | \$0.0 | \$0.0 | \$0.0 | \$0.0 | \$0.0 | \$0.0 | \$0.0 | \$1,368.2 |
| \$0.0 | \$0.0 | \$0.0 | \$0.0 | \$0.0 | \$0.0 | \$0.0 | \$0.0 | \$1,575.0 |
| | | | | | | | | |
| 46,000 | 47,500 | 49,500 | 51,000 | 52,500 | 54,000 | 56,000 | 58,000 | 816,960 |
| | | | | | | | | |
| \$114.5 | \$120.6 | \$128.2 | \$134.7 | \$141.4 | \$148.4 | \$156.9 | \$165.8 | \$1,399.4 |
| | | | | | | | | |
| (\$48.5) | (\$44.7) | (\$40.5) | (\$35.5) | (\$29.9) | (\$23.7) | (\$16.7) | (\$8.8) | (\$427.2) |
| \$2.0 | \$2.1 | \$2.2 | \$2.4 | \$2.5 | \$2.6 | \$2.7 | \$2.9 | (\$12.4) |
| \$68.0 | \$77.9 | \$89.9 | \$101.5 | \$114.0 | \$127.3 | \$143.0 | \$159.9 | \$959.8 |
| (\$813.5) | (\$735.6) | (\$645.7) | (\$544.2) | (\$430.2) | (\$302.9) | (\$159.9) | \$0.0 | |
| | (\$881.5) \$ \$0.0 \$0.0 \$ 46,000 \$ \$114.5 (\$48.5) \$2.0 \$ \$68.0 | \$\\ \\$881.5\\ \\$0.0 \\ \\$0.0 \\ \\$0.0 \\ \\$0.0 \\ \\$0.0 \\ \\$0.0 \\ \\$0.0 \\ \\$0.0 \\ \\$114.5 \\ \\$120.6 \\ \\$48.5\\ \\$2.0 \\ \\$2.1 \\ \\$68.0 \\ \\$77.9 | \$\\ \\$0.0 \\ | \$\begin{array}{cccccccccccccccccccccccccccccccccccc | (\$881.5) (\$813.5) (\$735.6) (\$645.7) (\$544.2) S \$0.0 \$0.0 \$0.0 \$0.0 \$0.0 \$0.0 \$0.0 \$0.0 | \$\begin{array}{cccccccccccccccccccccccccccccccccccc | (\$881.5) (\$813.5) (\$735.6) (\$645.7) (\$544.2) (\$430.2) (\$302.9) S \$0.0 \$0.0 \$0.0 \$0.0 \$0.0 \$0.0 \$0.0 \$0. | \$\begin{array}{cccccccccccccccccccccccccccccccccccc |

2023 Adjusted Charge Per Square Metre \$2.00

| All of Co. S. I.B. | |
|------------------------------------|-------|
| Allocation of Capital Program | |
| Residential Sector | 69.1% |
| Retail Sector | 12.2% |
| Non-Retail Sector | 18.7% |
| | |
| Rates for 2023 | |
| Inflation Rate | 2.0% |
| Interest Rate on Positive Balances | 3.5% |
| Interest Rate on Negative Balances | 5.5% |
| | |



APPENDIX D.2 TABLE 2-3

CITY OF BARRIE

CASHFLOW AND DETERMINATION OF DEVELOPMENT CHARGE WATER SERVICES - FACILITIES NON-RETAIL DEVELOPMENT CHARGE (in \$000)

| 2023 | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | 2030 | 2031 | 2032 |
|---------|---|---|--|--|---|---|--|---|--|
| \$109.6 | \$193.9 | \$2.0 | (\$191.2) | (\$389.3) | (\$592.3) | (\$800.1) | (\$1,012.6) | (\$1,229.8) | (\$1,451.7) |
| EMENTS | | | | | | | | | |
| \$0.0 | \$13.7 | \$13.7 | \$13.7 | \$13.7 | \$13.7 | \$13.7 | \$13.7 | \$13.7 | \$0.0 |
| \$0.0 | \$263.8 | \$263.8 | \$263.8 | \$263.8 | \$263.8 | \$263.8 | \$263.8 | \$263.8 | \$0.0 |
| \$0.0 | \$283.0 | \$288.7 | \$294.5 | \$300.4 | \$306.4 | \$312.5 | \$318.7 | \$325.1 | \$0.0 |
| | | | | | | | | | |
| 68,370 | 75,970 | 83,560 | 91,160 | 98,760 | 106,360 | 113,950 | 121,550 | 129,140 | 116,050 |
| | | | | | | | | | |
| \$79.1 | \$89.6 | \$100.6 | \$111.9 | \$123.7 | \$135.9 | \$148.5 | \$161.5 | \$175.0 | \$160.4 |
| | | | | | | | | | |
| \$3.8 | \$6.8 | \$0.1 | (\$10.5) | (\$21.4) | (\$32.6) | (\$44.0) | (\$55.7) | (\$67.6) | (\$79.8) |
| \$1.4 | (\$5.3) | (\$5.2) | (\$5.0) | (\$4.9) | (\$4.7) | (\$4.5) | (\$4.3) | (\$4.1) | \$2.8 |
| \$84.3 | \$91.1 | \$95.5 | \$96.4 | \$97.4 | \$98.6 | \$99.9 | \$101.5 | \$103.3 | \$83.4 |
| \$193.9 | \$2.0 | (\$191.2) | (\$389.3) | (\$592.3) | (\$800.1) | (\$1,012.6) | (\$1,229.8) | (\$1,451.7) | (\$1,368.2) |
| | \$109.6 EMENTS \$0.0 \$0.0 \$0.0 \$79.1 \$3.8 \$1.4 \$84.3 | \$109.6 \$193.9 EMENTS \$0.0 \$13.7 \$0.0 \$263.8 \$0.0 \$283.0 68,370 75,970 \$79.1 \$89.6 \$3.8 \$6.8 \$1.4 (\$5.3) \$84.3 \$91.1 | \$109.6 \$193.9 \$2.0 EMENTS \$0.0 \$13.7 \$13.7 \$0.0 \$263.8 \$263.8 \$0.0 \$283.0 \$288.7 68,370 75,970 83,560 \$79.1 \$89.6 \$100.6 \$3.8 \$6.8 \$0.1 \$1.4 (\$5.3) (\$5.2) \$84.3 \$91.1 \$95.5 | \$109.6 \$193.9 \$2.0 (\$191.2) EMENTS \$0.0 \$13.7 \$13.7 \$13.7 \$13.7 \$0.0 \$263.8 \$263.8 \$263.8 \$263.8 \$0.0 \$283.0 \$288.7 \$294.5 68,370 75,970 83,560 91,160 \$79.1 \$89.6 \$100.6 \$111.9 \$3.8 \$6.8 \$0.1 (\$10.5) \$1.4 (\$5.3) (\$5.2) (\$5.0) \$84.3 \$91.1 \$95.5 \$96.4 | \$109.6 \$193.9 \$2.0 (\$191.2) (\$389.3) EMENTS \$0.0 \$13.7 \$13.7 \$13.7 \$13.7 \$13.7 \$13.7 \$0.0 \$263.8 \$263.8 \$263.8 \$263.8 \$0.0 \$283.0 \$288.7 \$294.5 \$300.4 68,370 75,970 83,560 91,160 98,760 \$79.1 \$89.6 \$100.6 \$111.9 \$123.7 \$3.8 \$6.8 \$0.1 (\$10.5) (\$21.4) \$1.4 (\$5.3) (\$5.2) (\$5.0) (\$4.9) \$84.3 \$91.1 \$95.5 \$96.4 \$97.4 | \$109.6 \$193.9 \$2.0 (\$191.2) (\$389.3) (\$592.3) EMENTS \$0.0 \$13.7 \$13.7 \$13.7 \$13.7 \$13.7 \$0.0 \$263.8 \$263.8 \$263.8 \$263.8 \$263.8 \$0.0 \$283.0 \$288.7 \$294.5 \$300.4 \$306.4 68,370 75,970 83,560 91,160 98,760 106,360 \$79.1 \$89.6 \$100.6 \$111.9 \$123.7 \$135.9 \$3.8 \$6.8 \$0.1 (\$10.5) (\$21.4) (\$32.6) \$1.4 (\$5.3) (\$5.2) (\$5.0) (\$4.9) (\$4.7) \$84.3 \$91.1 \$95.5 \$96.4 \$97.4 \$98.6 | \$109.6 \$193.9 \$2.0 (\$191.2) (\$389.3) (\$592.3) (\$800.1) EMENTS \$0.0 \$13.7 \$13.7 \$13.7 \$13.7 \$13.7 \$13.7 \$0.0 \$263.8 \$263.8 \$263.8 \$263.8 \$263.8 \$263.8 \$0.0 \$283.0 \$288.7 \$294.5 \$300.4 \$306.4 \$312.5 68,370 75,970 83,560 91,160 98,760 106,360 113,950 \$79.1 \$89.6 \$100.6 \$111.9 \$123.7 \$135.9 \$148.5 \$3.8 \$6.8 \$0.1 (\$10.5) (\$21.4) (\$32.6) (\$44.0) \$1.4 (\$5.3) (\$5.2) (\$5.0) (\$4.9) (\$4.7) (\$4.5) \$84.3 \$91.1 \$95.5 \$96.4 \$97.4 \$98.6 \$99.9 | \$109.6 \$193.9 \$2.0 (\$191.2) (\$389.3) (\$592.3) (\$800.1) (\$1,012.6) EMENTS \$0.0 \$13.7 \$13. | \$109.6 \$193.9 \$2.0 (\$191.2) (\$389.3) (\$592.3) (\$800.1) (\$1,012.6) (\$1,229.8) EMENTS \$0.0 \$13.7 |

| WATER SERVICES - FACILITIES | 2034 | 2035 | 2036 | 2037 | 2038 | 2039 | 2040 | 2041 | TOTAL |
|--|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|------------------------|
| OPENING CASH BALANCE | (\$1,271.4) | (\$1,166.9) | (\$1,048.5) | (\$920.8) | (\$769.8) | (\$603.9) | (\$420.5) | (\$219.4) | |
| 2023 - 2041 NON-RESIDENTIAL FUNDING REQUIF | REMENTS | | | | | | | | |
| - Water Services - Facilities : Non Inflated - Water Services - Facilities : Inflated | \$0.0 \$0.0 | \$2,110.3 \$2,429.2 |
| NON-RESIDENTIAL SPACE GROWTH - Non-Retail Growth in Square Metres | 119,200 | 122,250 | 121,720 | 129,830 | 131,500 | 134,050 | 136,000 | 137,700 | 2,157,070 |
| REVENUE - DC Receipts: Inflated | \$171.5 | \$179.4 | \$182.2 | \$198.2 | \$204.7 | \$212.9 | \$220.3 | \$227.5 | \$2,186.6 |
| INTEREST - Interest on Opening Balance - Interest on In-year Transactions | (\$69.9) \$3.0 | (\$64.2) \$3.1 | (\$57.7) \$3.2 | (\$50.6) \$3.5 | (\$42.3) \$3.6 | (\$33.2) \$3.7 | (\$23.1) \$3.9 | (\$12.1) \$4.0 | (\$618.7) (\$18.1) |
| TOTAL REVENUE | \$104.5 | \$118.3 | \$127.7 | \$151.0 | \$166.0 | \$183.4 | \$201.0 | \$219.4 | \$1,549.8 |
| CLOSING CASH BALANCE | (\$1,166.9) | (\$1,048.5) | (\$920.8) | (\$769.8) | (\$603.9) | (\$420.5) | (\$219.4) | \$0.0 | |

2023 Adjusted Charge Per Square Metre \$1.16

| Allocation of Capital Program | |
|------------------------------------|-------|
| Residential Sector | 69.1% |
| Retail Sector | 12.2% |
| Non-Retail Sector | 18.7% |
| | |
| Rates for 2023 | |
| Inflation Rate | 2.0% |
| Interest Rate on Positive Balances | 3.5% |
| Interest Rate on Negative Balances | 5.5% |
| | |



Appendix D.3

Water Services: Facilities Related Debt



Water Services: Facilities Related Debt

This appendix provides a brief outline of the infrastructure included in the Water Services: Facilities Related Debt development charge. The development-related projects outlined in this appendix are required to service the demands of new development to 2041. The benefits of the services are considered to be City-wide for the purposes of calculating the development charge.

The following discusses the individual components included in the Water Facilities service category. The analysis is set out in the tables which follow. The tables include:

Table D.3-1 2023-2041 Development-Related Capital Forecast and Calculation of the Discounted Growth-Related Net Capital Costs

Table D.3-2 Cash Flow Analysis

A. Development-Related Capital Program

i. Gross Capital Program Costs

The capital program for Water Facilities Related Debt includes the recovery of a negative reserve fund balance of \$32.02 million as well as principal payments associated with two debentures for the Surface Water Treatment Plant (SWTP) issued in 2011 (SWTP 2011-036, \$60.24 million) and 2012 (SWTP 2012-074, \$59.35 million), respectively. The debenture financed portion of the SWTP project is required to service development occurring to 2041. Debentures payments which extend beyond 2041 are included for recovery through the development charges calculation, but have been net present valued, discounted to present day. The associated interest costs related to the debentures amount to \$58.44 million for SWTP 2011-036 and \$36.89 million for SWTP 2012-0741 and have been included in cash flow analysis.



ii. Grants, Subsidies and Other Recoveries

No grants, subsidies or other recoveries are anticipated for this service. As such, no adjustments have been made.

iii. Replacement and Benefit to Existing Shares

Only the growth-related shares of the SWTP have been included in the capital program, therefore no benefit to existing shares have been identified.

iv. Available DC Reserve Funds

The City has constructed works in advance of growth occurring, therefore the DC reserve is in a deficit position.

v. Other Development-Related / Post-Period Benefit Shares

No post-period benefit allocations have been identified for this service as the infrastructure is required to service development over the planning period.

vi. 2023-2041 DC Eligible Development Related Costs

The in-period DC eligible cost for Water Services: Related Debt amounts to \$151.70 million.

B. Cash Flow Analysis

The long-term cash-flow analysis takes into consideration expenditure timing and revenue projections as well as the interest payments associated with debenture SWTP 2011-036 and SWTP 2012-0741. As noted on Table 2, the DC eligible costs are not inflated as the entirety of the capital program relates to debentures.

The effect of the analysis is an increase in the residential development charge rates to \$1,788.49 per capita. The adjusted retail cash-flow amounts



to \$38.56 per square metre of gross floor area and non-retail amounts to \$22.31 per square metre.

The following table summarizes the calculation of the Water Services: Facilities Related Debt development charge:

| | | WATER S | ERVICES - FACILIT | TIES RELATED DEBT | SUMMARY | | | | |
|------------------------|-------------------------------------|-------------------------|---------------------------|------------------------------|-------------------------|---------------------------|-------------------------------|--|--|
| 20 | 23 - 2032 | | Adjusted | | | | | | |
| Development-Re | elated Capital Program | | Development Char | ge | Development Charge | | | | |
| Total \$151,602,258 | Net DC Recoverable \$151,602,258 | \$/capita \$1,127.46 | Retail \$/sq.m \$22.55 | Non-Retail\$/sq.m \$13.17 | \$/capita \$1,788.49 | Retail \$/sq.m \$38.56 | Non-Retail \$/sq.n \$22.31 | | |



CITY OF BARRIE WATER SERVICES - FACILITIES RELATED DEBT DEVELOPMENT-RELATED CAPITAL PROGRAM

| | | Gross | Grants/ Net | | Ineligib | le Costs | Total | DC Eligible Costs | | |
|---|-------------|---------------|-----------------|---------------|--------------|--------------|---------------|-------------------|---------------|-------|
| Project Description | Timing | Project | Subsidies/Other | Municipal | Replacement | Replacement | DC Eligible | Available | 2023- | Post |
| | | Cost | Recoveries | Cost | & BTE Shares | & BTE Shares | Costs | DC Reserves | 2041 | 2041* |
| 1.0 WATER SERVICES - FACILITIES RELATED DEBT | | | | | | | | | | |
| 1.1 Recovery of Negative Reserve Fund Balance | | | | | | | | | | |
| 1.1.1 Balance as at December 31, 2022 | 2023 - 2023 | \$ 32,016,295 | \$ - | \$ 32,016,295 | 0% | \$ - | \$ 32,016,295 | \$ - | \$ 32,016,295 | \$ |
| Subtotal Recovery of Negative Reserve Fund Balance | | \$ 32,016,295 | \$ - | \$ 32,016,295 | | \$ - | \$ 32,016,295 | \$ - | \$ 32,016,295 | \$ |
| 1.2 Debenture Payments - SWTP 2011-036 ¹ | | | | | | | | | | |
| 1.2.1 Principal Payment | 2023 - 2023 | \$ 1,067,065 | \$ - | \$ 1,067,065 | 0% | \$ - | \$ 1,067,065 | \$ - | \$ 1,067,065 | \$ |
| 1.2.2 Principal Payment | 2024 - 2024 | \$ 1,121,960 | \$ - | \$ 1,121,960 | 0% | \$ - | \$ 1,121,960 | \$ - | \$ 1,121,960 | \$ |
| 1.2.3 Principal Payment | 2025 - 2025 | \$ 1,179,679 | \$ - | \$ 1,179,679 | 0% | \$ - | \$ 1,179,679 | \$ - | \$ 1,179,679 | \$ |
| 1.2.4 Principal Payment | 2026 - 2026 | \$ 1,240,368 | \$ - | \$ 1,240,368 | 0% | \$ - | \$ 1,240,368 | \$ - | \$ 1,240,368 | \$ |
| 1.2.5 Principal Payment | 2027 - 2027 | \$ 1,304,179 | \$ - | \$ 1,304,179 | 0% | \$ - | \$ 1,304,179 | \$ - | \$ 1,304,179 | \$ |
| 1.2.6 Principal Payment | 2028 - 2028 | \$ 1,371,273 | \$ - | \$ 1,371,273 | 0% | \$ - | \$ 1,371,273 | \$ - | \$ 1,371,273 | \$ |
| 1.2.7 Principal Payment | 2029 - 2029 | \$ 1,441,818 | \$ - | \$ 1,441,818 | 0% | \$ - | \$ 1,441,818 | \$ - | \$ 1,441,818 | \$ |
| 1.2.8 Principal Payment | 2030 - 2030 | \$ 1,515,993 | \$ - | \$ 1,515,993 | 0% | \$ - | \$ 1,515,993 | \$ - | \$ 1,515,993 | \$ |
| 1.2.9 Principal Payment | 2031 - 2031 | \$ 1,593,983 | \$ - | \$ 1,593,983 | 0% | \$ - | \$ 1,593,983 | \$ - | \$ 1,593,983 | \$ |
| 1.2.10 Principal Payment | 2032 - 2032 | \$ 1,675,986 | \$ - | \$ 1,675,986 | 0% | \$ - | \$ 1,675,986 | \$ - | \$ 1,675,986 | \$ |
| 1.2.11 Principal Payment | 2033 - 2033 | \$ 1,762,207 | \$ - | \$ 1,762,207 | 0% | \$ - | \$ 1,762,207 | \$ - | \$ 1,762,207 | \$ |
| 1.2.12 Principal Payment | 2034 - 2034 | \$ 1,852,864 | \$ - | \$ 1,852,864 | 0% | \$ - | \$ 1,852,864 | \$ - | \$ 1,852,864 | \$ |
| 1.2.13 Principal Payment | 2035 - 2035 | \$ 1,948,185 | \$ - | \$ 1,948,185 | 0% | \$ - | \$ 1,948,185 | \$ - | \$ 1,948,185 | \$ |
| 1.2.14 Principal Payment | 2036 - 2036 | \$ 2,048,410 | \$ - | \$ 2,048,410 | 0% | \$ - | \$ 2,048,410 | \$ - | \$ 2,048,410 | \$ |
| 1.2.15 Principal Payment | 2037 - 2037 | \$ 2,153,791 | \$ - | \$ 2,153,791 | 0% | \$ - | \$ 2,153,791 | \$ - | \$ 2,153,791 | \$ |
| 1.2.16 Principal Payment | 2038 - 2038 | \$ 2,264,593 | \$ - | \$ 2,264,593 | 0% | \$ - | \$ 2,264,593 | \$ - | \$ 2,264,593 | \$ |
| 1.2.17 Principal Payment | 2039 - 2039 | \$ 2,381,095 | \$ - | \$ 2,381,095 | 0% | \$ - | \$ 2,381,095 | \$ - | \$ 2,381,095 | \$ |
| 1.2.18 Principal Payment | 2040 - 2040 | \$ 2,503,591 | \$ - | \$ 2,503,591 | 0% | \$ - | \$ 2,503,591 | \$ - | \$ 2,503,591 | \$ |
| 1.2.19 Principal Payment - 2041-2051 | 2041 - 2041 | \$ 29,809,679 | \$ - | \$ 29,809,679 | 0% | \$ - | \$ 29,809,679 | \$ - | \$ 29,809,679 | \$ |
| Subtotal Debenture Payments - SWTP 2011-0361 | | \$ 60,236,722 | \$ - | \$ 60,236,722 | | \$ - | \$ 60,236,722 | \$ - | \$ 60,236,722 | \$ |



CITY OF BARRIE WATER SERVICES - FACILITIES RELATED DEBT DEVELOPMENT-RELATED CAPITAL PROGRAM

| | | | Gross | Grants, | / | | Net | Ineligibl | le Costs | | Total | | DC | C Eligible Costs | |
|---|-------------|------|-------------|-------------|-------|------|-------------|--------------|--------------|----|-------------|-------------|----|------------------|---------|
| Project Description | Timing | | Project | Subsidies/0 | Other | N | Municipal | Replacement | Replacement | ı | DC Eligible | Available | | 2023- | Post |
| | | | Cost | Recoveri | es | | Cost | & BTE Shares | & BTE Shares | | Costs | DC Reserves | | 2041 | 2041* |
| | | | | | | | | | • | | | | | | |
| 1.2 Debenture Payments - SWTP 2012-074 ¹ | | | | | | | | | | | | | | | |
| 1.2.1 Principal Payment | 2023 - 2023 | 3 \$ | 1,094,427 | \$ | - | \$ | 1,094,427 | 0% | \$ - | \$ | 1,094,427 | \$ - | \$ | 1,094,427 | \$ - |
| 1.2.2 Principal Payment | 2024 - 2024 | 4 \$ | 1,138,977 | \$ | - | \$ | 1,138,977 | 0% | \$ - | \$ | 1,138,977 | \$ - | \$ | 1,138,977 | \$ - |
| 1.2.3 Principal Payment | 2025 - 202 | 5 \$ | 1,185,341 | \$ | - | \$ | 1,185,341 | 0% | \$ - | \$ | 1,185,341 | \$ - | \$ | 1,185,341 | \$ - |
| 1.2.4 Principal Payment | 2026 - 2020 | 6 \$ | 1,233,591 | \$ | - | \$ | 1,233,591 | 0% | \$ - | \$ | 1,233,591 | \$ - | \$ | 1,233,591 | \$ - |
| 1.2.5 Principal Payment | 2027 - 202 | 7 \$ | 1,283,806 | \$ | - | \$ | 1,283,806 | 0% | \$ - | \$ | 1,283,806 | \$ - | \$ | 1,283,806 | \$ - |
| 1.2.6 Principal Payment | 2028 - 2028 | 8 \$ | 1,336,064 | \$ | - | \$ | 1,336,064 | 0% | \$ - | \$ | 1,336,064 | \$ - | \$ | 1,336,064 | \$ - |
| 1.2.7 Principal Payment | 2029 - 2029 | 9 \$ | 1,390,450 | \$ | - | \$ | 1,390,450 | 0% | \$ - | \$ | 1,390,450 | \$ - | \$ | 1,390,450 | \$ - |
| 1.2.8 Principal Payment | 2030 - 2030 | 0 \$ | 1,447,050 | \$ | - | \$ | 1,447,050 | 0% | \$ - | \$ | 1,447,050 | \$ - | \$ | 1,447,050 | \$ - |
| 1.2.9 Principal Payment | 2031 - 203 | 1 \$ | 1,505,953 | \$ | - | \$ | 1,505,953 | 0% | \$ - | \$ | 1,505,953 | \$ - | \$ | 1,505,953 | \$ - |
| 1.2.10 Principal Payment | 2032 - 2033 | 2 \$ | 1,567,255 | \$ | - | \$ | 1,567,255 | 0% | \$ - | \$ | 1,567,255 | \$ - | \$ | 1,567,255 | \$ - |
| 1.2.11 Principal Payment | 2033 - 203 | 3 \$ | 1,631,051 | \$ | - | \$ | 1,631,051 | 0% | \$ - | \$ | 1,631,051 | \$ - | \$ | 1,631,051 | \$ - |
| 1.2.12 Principal Payment | 2034 - 2034 | 4 \$ | 1,697,445 | \$ | - | \$ | 1,697,445 | 0% | \$ - | \$ | 1,697,445 | \$ - | \$ | 1,697,445 | \$ - |
| 1.2.13 Principal Payment | 2035 - 203 | 5 \$ | 1,766,541 | \$ | - | \$ | 1,766,541 | 0% | \$ - | \$ | 1,766,541 | \$ - | \$ | 1,766,541 | \$ - |
| 1.2.14 Principal Payment | 2036 - 203 | 6 \$ | 1,838,450 | \$ | - | \$ | 1,838,450 | 0% | \$ - | \$ | 1,838,450 | \$ - | \$ | 1,838,450 | \$ - |
| 1.2.15 Principal Payment | 2037 - 203 | 7 \$ | 1,913,286 | \$ | - | \$ | 1,913,286 | 0% | \$ - | \$ | 1,913,286 | \$ - | \$ | 1,913,286 | \$ - |
| 1.2.16 Principal Payment | 2038 - 203 | 8 \$ | 1,991,168 | \$ | - | \$ | 1,991,168 | 0% | \$ - | \$ | 1,991,168 | \$ - | \$ | 1,991,168 | \$ - |
| 1.2.17 Principal Payment | 2039 - 2039 | 9 \$ | 2,072,221 | \$ | - | \$ | 2,072,221 | 0% | \$ - | \$ | 2,072,221 | \$ - | \$ | 2,072,221 | \$ - |
| 1.2.18 Principal Payment | 2040 - 2040 | 0 \$ | 2,156,573 | \$ | - | \$ | 2,156,573 | 0% | \$ - | \$ | 2,156,573 | \$ - | \$ | 2,156,573 | \$ _ |
| 1.2.19 Principal Payment - 2041-2042 | 2041 - 204 | 1 \$ | 31,099,591 | \$ | - | \$ | 31,099,591 | 0% | \$ - | \$ | 31,099,591 | \$ - | \$ | 31,099,591 | \$ - |
| Subtotal Debenture Payments - SWTP 2012-0741 | | \$ | 59,349,242 | \$ | - | \$ | 59,349,242 | | \$ - | \$ | 59,349,242 | \$ - | \$ | 59,349,242 | \$ - |
| TOTAL WATER SERVICES - FACILITIES RELATED DEBT | | \$ | 151,602,258 | \$ | - | \$ 1 | 151,602,258 | | \$ - | \$ | 151,602,258 | \$ - | \$ | 151,602,258 | \$ _ |

^{*}Development related costs to be considered for funding from other tools and/or future DC Studies.

(1)Includes principal payments only, interest payments to be included in cash flow analysis

SWTP 2011-0361 total interest payments 2023-2051 = \$58.44M

SWTP 2012-0741 total interest payments 2023-2041 = \$36.8M

| Residential Development Charge Calculation | | |
|---|-------|---------------|
| Residential Share of 2023 - 2041 DC Eligible Costs | 69.1% | \$104,768,511 |
| Long-Term Growth in Population in New Units | | 92,924 |
| Unadjusted Development Charge Per Capita | | \$1,127.46 |
| Non-Residential Retail Development Charge Calculation | | |
| Non-Residential Share of 2023 - 2041 DC Eligible Costs | 12.2% | \$18,421,642 |
| Long-Term Growth in Square Metres | | 816,960 |
| Unadjusted Development Charge Per Square Metre | | \$22.55 |
| Non-Residential Non-Retail Development Charge Calculation | | |
| Non-Residential Share of 2023 - 2041 DC Eligible Costs | 18.7% | \$28,412,105 |
| Long-Term Growth in Square Metres | | 2,157,070 |
| Unadjusted Development Charge Per Square Metre | | \$13.17 |

Current Reserve Fund Balance (\$32,016,295)



APPENDIX D.3 TABLE 2-1

CITY OF BARRIE CASHFLOW AND DETERMINATION OF DEVELOPMENT CHARGE WATER SERVICES - FACILITIES RELATED DEBT RESIDENTIAL DEVELOPMENT CHARGE

(in \$000)

| WATER SERVICES - FACILITIES RELATED DEBT | 2023 | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | 2030 | 2031 | 2032 |
|--|--|---------------------------------------|---------------------------------|---------------------------------------|---------------------------------------|---------------------------------------|---------------------------------------|-------------------------------------|-------------------------------------|----------------------------------|
| OPENING CASH BALANCE | (\$22,125.7) | (\$41,779.9) | (\$39,399.2) | (\$34,242.0) | (\$30,468.5) | (\$25,972.2) | (\$20,699.1) | (\$14,590.2) | (\$7,590.7) | \$361.0 |
| 2023 - 2041 RESIDENTIAL FUNDING REQUIREMENTS - Prior Growth (Funding from DC Reserve Balance) - Water Services - Facilities Related Debt: Non Inflated | \$0.0 \$23,619.4 | \$0.0 \$1,562.5 | \$0.0 \$1,634.4 | \$0.0 \$1,709.7 | \$0.0 \$1,788.5 | \$0.0 \$1,871.0 | \$0.0 \$1,957.3 | \$0.0 \$2,047.7 | \$0.0 \$2,142.3 | \$0.0 \$2,241.3 |
| NEW RESIDENTIAL DEVELOPMENT - Population Growth in New Units | 5,338 | 5,483 | 5,629 | 5,778 | 5,927 | 6,075 | 6,223 | 6,367 | 6,509 | 3,722 |
| REVENUE - DC Receipts: Inflated | \$9,546.9 | \$10,002.4 | \$10,474.11 | \$10,966.4 | \$11,474.2 | \$11,995.9 | \$12,533.9 | \$13,080.4 | \$13,639.6 | \$7,955.4 |
| INTEREST - Interest on Opening Balance - Interest on In-year Transactions - Interest on Debenture Payments | (\$1,216.9) (\$387.0) (\$3,977.82) | (\$2,297.9) \$147.7 (\$3,909.1) | \$0.0 \$154.7 (\$3,837.2) | (\$1,883.3) \$162.0 (\$3,761.9) | (\$1,675.8) \$169.5 (\$3,683.1) | (\$1,428.5) \$177.2 (\$3,600.6) | (\$1,138.5) \$185.1 (\$3,514.3) | (\$802.5) \$193.1 (\$3,423.9) | (\$417.5) \$201.2 (\$3,329.3) | \$12.6 \$100.0 (\$3,230.3) |
| TOTAL REVENUE | \$3,965.2 | \$3,943.1 | \$6,791.6 | \$5,483.2 | \$6,284.8 | \$7,144.0 | \$8,066.3 | \$9,047.1 | \$10,094.0 | \$4,837.8 |
| CLOSING CASH BALANCE | (\$41,779.9) | (\$39,399.2) | (\$34,242.0) | (\$30,468.5) | (\$25,972.2) | (\$20,699.1) | (\$14,590.2) | (\$7,590.7) | \$361.0 | \$2,957.5 |

| WATER SERVICES - FACILITIES RELATED DEBT | 2034 | 2035 | 2036 | 2037 | 2038 | 2039 | 2040 | 2041 | TOTAL |
|---|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-------------------------------------|---------------------------------------|--|
| OPENING CASH BALANCE | \$5,889.2 | \$9,167.7 | \$12,809.1 | \$16,825.6 | \$21,594.5 | \$26,827.3 | \$32,550.8 | \$38,785.3 | |
| 2023 - 2041 RESIDENTIAL FUNDING REQUIREMENTS - Water Services - Facilities Related Debt: Non Inflated | \$2,453.5 | \$2,567.2 | \$2,686.1 | \$2,810.7 | \$2,941.0 | \$3,077.6 | \$3,220.5 | \$42,092.9 | \$104,768.5 |
| NEW RESIDENTIAL DEVELOPMENT - Population Growth in New Units | 3,795 | 3,829 | 3,860 | 4,040 | 4,083 | 4,127 | 4,169 | 4,210 | 92,924 |
| REVENUE - DC Receipts: Inflated | \$8,439.2 | \$8,685.1 | \$8,930.5 | \$9,533.9 | \$9,828.1 | \$10,132.6 | \$10,440.5 | \$10,754.0 | \$196,610.3 |
| INTEREST - Interest on Opening Balance - Interest on In-year Transactions - Interest on Debenture Payments | \$206.1 \$104.7 (\$3,018.0) | \$320.9 \$107.1 (\$2,904.4) | \$448.3 \$109.3 (\$2,785.5) | \$588.9 \$117.7 (\$2,660.9) | \$755.8 \$120.5 (\$2,530.5) | \$939.0 \$123.5 (\$2,394.0) | \$1,139.3 \$126.3 (\$2,251.1) | \$1,357.5 (\$861.8) (\$7,942.1) | (\$4,988.9 \$1,153.1 (\$65,880.4 |
| TOTAL REVENUE | \$5,732.0 | \$6,208.6 | \$6,702.6 | \$7,579.5 | \$8,173.9 | \$8,801.1 | \$9,455.1 | \$3,307.6 | \$126,894.2 |
| CLOSING CASH BALANCE | \$9,167.7 | \$12,809.1 | \$16,825.6 | \$21,594.5 | \$26,827.3 | \$32,550.8 | \$38,785.3 | (\$0.0) | |

(1) DC eligible costs are not inflated as entire capital program relates to debt payments

2023 Adjusted Charge Per Capita \$1,788.49

| Allocation of Capital Program | |
|------------------------------------|-------|
| Residential Sector | 69.1% |
| Non-Residential Sector | 30.9% |
| Rates for 2023 | |
| Inflation Rate | 2.0% |
| Interest Rate on Positive Balances | 3.5% |
| Interest Rate on Negative Balances | 5.5% |
| | |



APPENDIX D.3 TABLE 2-2

CITY OF BARRIE CASHFLOW AND DETERMINATION OF DEVELOPMENT CHARGE WATER SERVICES - FACILITIES RELATED DEBT RETAIL DEVELOPMENT CHARGE

(in \$000)

| WATER SERVICES - FACILITIES RELATED DEBT | 2023 | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | 2030 | 2031 | 2032 | |
|---|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|--|
| OPENING CASH BALANCE | (\$3,890.4) | (\$8,110.9) | (\$8,446.5) | (\$8,669.3) | (\$8,768.5) | (\$8,731.8) | (\$8,547.0) | (\$8,200.8) | (\$7,678.9) | (\$6,966.1) | |
| 2023 - 2041 NON-RESIDENTIAL FUNDING REQUIREMENTS | | | | | | | | | | | |
| - Prior Growth (Funding from DC Reserve Balance) | \$0.0 | \$0.0 | \$0.0 | \$0.0 | \$0.0 | \$0.0 | \$0.0 | \$0.0 | \$0.0 | \$0.0 | |
| - Water Services - Facilities Related Debt:Non-Inflated | \$4,153.0 | \$274.7 | \$287.4 | \$300.6 | \$314.5 | \$329.0 | \$344.2 | \$360.0 | \$376.7 | \$394.1 | |
| NON-RESIDENTIAL SPACE GROWTH | | | | | | | | | | | |
| - Retail Growth in Square Metres | 24,230 | 26,920 | 29,610 | 32,300 | 35,000 | 37,690 | 40,380 | 43,070 | 45,760 | 43,000 | |
| REVENUE | | | | | | | | | | | |
| - DC Receipts: Inflated | \$934.4 | \$1,058.9 | \$1,188.0 | \$1,321.9 | \$1,461.0 | \$1,604.8 | \$1,753.7 | \$1,907.9 | \$2,067.6 | \$1,981.8 | |
| INTEREST | | | | | | | | | | | |
| - Interest on Opening Balance | (\$214.0) | (\$446.1) | (\$464.6) | (\$476.8) | (\$482.3) | (\$480.2) | (\$470.1) | (\$451.0) | (\$422.3) | (\$383.1) | |
| - Interest on In-year Transactions | (\$88.5) | \$13.7 | \$15.8 | \$17.9 | \$20.1 | \$22.3 | \$24.7 | \$27.1 | \$29.6 | \$27.8 | |
| - Interest on Debenture Payments | (\$699.4) | (\$687.3) | (\$674.7) | (\$661.5) | (\$647.6) | (\$633.1) | (\$617.9) | (\$602.0) | (\$585.4) | (\$568.0) | |
| TOTAL REVENUE | (\$67.5) | (\$60.8) | \$64.5 | \$201.5 | \$351.2 | \$513.7 | \$690.3 | \$881.9 | \$1,089.5 | \$1,058.4 | |
| CLOSING CASH BALANCE | (\$8,110.9) | (\$8,446.5) | (\$8,669.3) | (\$8,768.5) | (\$8,731.8) | (\$8,547.0) | (\$8,200.8) | (\$7,678.9) | (\$6,966.1) | (\$6,301.8) | |

| 25.4 |
|--|
| 23.4 |
| |
| \$0.0 \$0.0 01.3 \$18,421.6 |
| 000 816,960 |
| 323,333 |
| 94.6 \$26,965.3 |
| |
| 93.4 (\$5,483.6 |
| 15.7) \$275.3 |
| 96.5) (\$8,925.7 |
| 75.8 \$12,831.2 |
| \$0.0) |
| 40 8, 19 11 39 |

(1) DC eligible costs are not inflated as entire capital program relates to debt payments

2023 Adjusted Charge Per Square Metre \$38.56

| Allocation of Capital Program | | | | | | | | |
|------------------------------------|-------|--|--|--|--|--|--|--|
| Residential Sector | 69.1% | | | | | | | |
| Retail Sector | 12.2% | | | | | | | |
| Non-Retail Sector | 18.7% | | | | | | | |
| Rates for 2023 | | | | | | | | |
| Inflation Rate | 2.0% | | | | | | | |
| Interest Rate on Positive Balances | 3.5% | | | | | | | |
| Interest Rate on Negative Balances | 5.5% | | | | | | | |
| | | | | | | | | |



APPENDIX D.3 TABLE 2-3

CITY OF BARRIE

CASHFLOW AND DETERMINATION OF DEVELOPMENT CHARGE WATER SERVICES - FACILITIES RELATED DEBT NON-RETAIL DEVELOPMENT CHARGE (in \$000)

| WATER SERVICES - FACILITIES RELATED DEBT | 2023 | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | 2030 | 2031 | 2032 |
|---|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|-------------|
| OPENING CASH BALANCE | (\$6,000.2) | (\$12,422.9) | (\$12,838.1) | (\$13,061.9) | (\$13,075.9) | (\$12,860.3) | (\$12,394.1) | (\$11,655.3) | (\$10,619.9) | (\$9,262.6) |
| 2023 - 2041 NON-RESIDENTIAL FUNDING REQUIREMEN | ΓS | | | | | | | | | |
| - Prior Growth (Funding from DC Reserve Balance) | \$0.0 | \$0.0 | \$0.0 | \$0.0 | \$0.0 | \$0.0 | \$0.0 | \$0.0 | \$0.0 | \$0.0 |
| - Water Services - Facilities Related Debt:Non-Inflated | \$6,405.3 | \$423.7 | \$443.2 | \$463.7 | \$485.0 | \$507.4 | \$530.8 | \$555.3 | \$581.0 | \$607.8 |
| NON-RESIDENTIAL SPACE GROWTH | | | | | | | | | | |
| - Non-Retail Growth in Square Metres | 68,370 | 75,970 | 83,560 | 91,160 | 98,760 | 106,360 | 113,950 | 121,550 | 129,140 | 116,050 |
| REVENUE | | | | | | | | | | |
| - DC Receipts: Inflated | \$1,525.6 | \$1,729.1 | \$1,939.9 | \$2,158.6 | \$2,385.4 | \$2,620.3 | \$2,863.5 | \$3,115.5 | \$3,376.3 | \$3,094.7 |
| INTEREST | | | | | | | | | | |
| - Interest on Opening Balance | (\$330.0) | (\$683.3) | (\$706.1) | (\$718.4) | (\$719.2) | (\$707.3) | (\$681.7) | (\$641.0) | (\$584.1) | (\$509.4) |
| - Interest on In-year Transactions | (\$134.2) | \$22.8 | \$26.2 | \$29.7 | \$33.3 | \$37.0 | \$40.8 | \$44.8 | \$48.9 | \$43.5 |
| - Interest on Debenture Payments | (\$1,078.7) | (\$1,060.1) | (\$1,040.6) | (\$1,020.2) | (\$998.8) | (\$976.4) | (\$953.0) | (\$928.5) | (\$902.9) | (\$876.0) |
| TOTAL REVENUE | (\$17.3) | \$8.6 | \$219.4 | \$449.7 | \$700.6 | \$973.5 | \$1,269.6 | \$1,590.8 | \$1,938.2 | \$1,752.8 |
| CLOSING CASH BALANCE | (\$12,422.9) | (\$12,838.1) | (\$13,061.9) | (\$13,075.9) | (\$12,860.3) | (\$12,394.1) | (\$11,655.3) | (\$10,619.9) | (\$9,262.6) | (\$8,117.7) |

| WATER SERVICES - FACILITIES RELATED DEBT | 2034 | 2035 | 2036 | 2037 | 2038 | 2039 | 2040 | 2041 | TOTAL |
|--|----------------------------------|----------------------------------|----------------------------------|---------------------------------|-------------------------------|--------------------------------|--------------------------------|-------------------------------------|--|
| OPENING CASH BALANCE | (\$6,739.3) | (\$5,240.4) | (\$3,504.5) | (\$1,618.9) | \$684.4 | \$3,228.8 | \$6,021.4 | \$9,056.7 | |
| 2023 - 2041 NON-RESIDENTIAL FUNDING REQUIREMENT - Prior Growth (Funding from DC Reserve Balance) - Water Services - Facilities Related Debt:Non-Inflated | \$0.0 \$665.4 | \$0.0 \$696.2 | \$0.0 \$728.4 | \$0.0 \$762.2 | \$0.0 \$797.6 | \$0.0 \$834.6 | \$0.0 \$873.4 | \$0.0 \$11,415.1 | \$0.0 \$28,412.1 |
| NON-RESIDENTIAL SPACE GROWTH - Non-Retail Growth in Square Metres | 119,200 | 122,250 | 121,720 | 129,830 | 131,500 | 134,050 | 136,000 | 137,700 | 2,157,070 |
| REVENUE - DC Receipts: Inflated | \$3,307.1 | \$3,459.6 | \$3,513.5 | \$3,822.5 | \$3,949.1 | \$4,106.2 | \$4,249.3 | \$4,388.5 | \$42,174.3 |
| INTEREST - Interest on Opening Balance - Interest on In-year Transactions - Interest on Debenture Payments | (\$370.7) \$46.2 (\$818.5) | (\$288.2) \$48.4 (\$787.6) | (\$192.7) \$48.7 (\$755.4) | (\$89.0) \$53.6 (\$721.6) | \$24.0 \$55.2 (\$686.3) | \$113.0 \$57.3 (\$649.2) | \$210.8 \$59.1 (\$610.5) | \$317.0 (\$193.2) (\$2,153.8) | (\$7,667.7) \$435.7 (\$13,766.3) |
| TOTAL REVENUE | \$2,164.3 | \$2,432.1 | \$2,614.1 | \$3,065.4 | \$3,342.0 | \$3,627.3 | \$3,908.7 | \$2,358.4 | \$21,176.0 |
| CLOSING CASH BALANCE | (\$5,240.4) | (\$3,504.5) | (\$1,618.9) | \$684.4 | \$3,228.8 | \$6,021.4 | \$9,056.7 | (\$0.0) | |

(1) DC eligible costs are not inflated as entire capital program relates to debt payments

2023 Adjusted Charge Per Square Metre \$22.31

| Allocation of Capital Program | |
|------------------------------------|-------|
| Residential Sector | 69.1% |
| Retail Sector | 12.2% |
| Non-Retail Sector | 18.7% |
| Rates for 2023 | |
| Inflation Rate | 2.0% |
| Interest Rate on Positive Balances | 3.5% |
| Interest Rate on Negative Balances | 5.5% |
| | |



Appendix D.4 Wastewater Services: Facilities



Wastewater Services: Facilities

This appendix provides a brief outline of the infrastructure included in the Wastewater Services: Facilities development charge. The development-related projects outlined in this appendix are required to service the demands of new development to 2041. The benefits of the services are considered to be City-wide for the purposes of calculating the development charge.

The following discusses the individual components included in the Wastewater Facilities service category. The analysis is set out in the tables which follow. The tables include:

Table D.4-1 2023-2041 Development-Related Capital Forecast and Calculation of the Discounted Growth-Related Net Capital Costs

Table D.4-2 Cash Flow Analysis

C. Development-Related Capital Program

i. Gross Capital Program Costs

The capital program includes costs relating to wastewater facilities totalling \$384.43 million which includes peak attenuation system, wastewater facility primary digesters (2), biosolids thickening systems (2), MBR retrofits and a Scheduled EA for plant expansion.

Additional projects related to Wastewater Treatment Facility Primary Treatment Upgrades is also included for a total of \$143.65 million. These projects include a new raw sewage pumping station, primary clarifiers, grit tank and screw conveyor and MBR related costs.



The capital program also makes an adjustment for shares of projects which have previously been funded from development charges. In total, approximately \$3.52 million is reduced from the total gross capital costs.

ii. Grants, Subsidies and Other Recoveries

There is no anticipated grants, subsidies or other recoveries for this services. As such, no deduction is made.

iii. Replacement and Benefit to Existing Shares

Approximately \$93.06 million is identified as a benefit to existing share and is removed from the total DC eligible costs. Approximately \$18.33 million relates to the Peak Attenuation System and is consistent with the share identified in the 2019 DC Background Study. A further \$74.72 million relates to the MBR retrofit and is based on the existing verses future designed phosphorus flows.

iv. Available DC Reserve Funds

In total, \$40.70 million is available in the Wastewater Services DC reserve fund. This amount is reduced from the DC eligible shares of projects occurring in the initial years of the planning period.

v. Other Development-Related / Post-Period Benefit Shares

A further \$22.55 million in post-period shares have been identified and relates to shares of projects that are oversized and will service growth occurring beyond 2041. These projects will be included for recovery in subsequent DC Background Studies.

vi. 2023-2041 DC Eligible Development Related Costs

After adjusting for benefit to existing shares, the available DC reserve fund balance and post-period allocation, the total DC eligible amount included for recovery over the 2023-2041 period is reduced to \$368.25 million.



D. Cash Flow Analysis

The long-term cash-flow analysis takes into consideration expenditure timing and revenue projections. The effect of the analysis is an decrease in the residential development charge rates to \$2,701.30 per capita. The adjusted retail cash-flow amounts to \$56.61 per square metre of gross floor area and non-retail amounts to \$32.73 per square metre.

The following table summarizes the calculation of the Wastewater Services Facilities development charge:

| | WASTEWATER SERVICES - FACILITIES SUMMARY | | | | | | | | | | | |
|------------------------|--|------------|------------------|-------------------|--------------------|----------------|--------------------|--|--|--|--|--|
| 2023 - 2032 Unadjusted | | | | | | Adjusted | | | | | | |
| Development-Re | elated Capital Program | | Development Char | ge | Development Charge | | | | | | | |
| Total | Net DC Recoverable | \$/capita | Retail \$/sq.m | Non-Retail\$/sq.m | \$/capita | Retail \$/sq.m | Non-Retail \$/sq.m | | | | | |
| \$524,555,940 | \$368,245,971 | \$2,738.64 | \$54.77 | \$31.99 | \$2,701.30 | \$56.61 | \$32.73 | | | | | |
| | | | | | | | | | | | | |



CITY OF BARRIE WASTEWATER SERVICES - FACILITIES DEVELOPMENT-RELATED CAPITAL PROGRAM

| | | Gross | Grants/ | Net | Ineligible Costs | | Total | | | |
|---|-------------|----------------|-----------------|----------------|------------------|---------------|----------------|---------------|----------------|---------------|
| Project Description | Timing | Project | Subsidies/Other | Municipal | Replacement | Replacement | DC Eligible | Available | 2023- | Post |
| | | Cost | Recoveries | Cost | & BTE Shares | & BTE Shares | Costs | DC Reserves | 2041 | 2041* |
| WASTEWATER SERVICES - FACILITIES | | | | | | | | | | |
| 1.0 Wastewater Facilities | | | | | | | | | | |
| 1.1.1 Peak Attenuation System | 2025 - 2025 | \$ 31,073,455 | \$ - | \$ 31,073,455 | 59% | \$ 18,333,000 | \$ 12,740,455 | \$ 12,740,455 | \$ - | \$ - |
| 1.1.2 Wastewater Treatment Facility Additional Primary Digester | 2023 - 2029 | \$ 38,009,334 | \$ - | \$ 38,009,334 | 0% | \$ - | \$ 38,009,334 | \$ 27,963,385 | \$ 10,045,950 | \$ - |
| 1.1.3 Wastewater Treatment Facility Additional Primary Digester | 2034 - 2064 | \$ 38,009,334 | \$ - | \$ 38,009,334 | 0% | \$ - | \$ 38,009,334 | \$ - | \$ 21,447,690 | \$ 16,561,644 |
| 1.1.4 Wastewater Treatment Facility Biosolids Thickening System | 2024 - 2041 | \$ 56,260,303 | \$ - | \$ 56,260,303 | 0% | \$ - | \$ 56,260,303 | \$ - | \$ 56,260,303 | \$ - |
| 1.1.5 Wastewater Treatment Facility Biosolids Thickening System | 2046 - 2046 | \$ 5,988,105 | \$ - | \$ 5,988,105 | 0% | \$ - | \$ 5,988,105 | \$ - | \$ - | \$ 5,988,105 |
| 1.1.6 MBR Retrofit Project @ Consultant Class 3 Estimate for 76 MLD | 2023 - 2031 | \$ 209,947,848 | \$ - | \$ 209,947,848 | 36% | \$ 74,723,380 | \$ 135,224,468 | \$ - | \$ 135,224,468 | \$ - |
| 1.1.7 Schedule C EA for Plant Expansion from 76 MLD to 96 MLD | 2024 - 2031 | \$ 5,132,165 | \$ - | \$ 5,132,165 | 0% | \$ - | \$ 5,132,165 | \$ - | \$ 5,132,165 | \$ - |
| Subtotal Wastewater Facilities | | \$ 384,420,545 | \$ - | \$ 384,420,545 | | \$ 93,056,380 | \$ 291,364,165 | \$ 40,703,840 | \$ 228,110,576 | \$ 22,549,749 |
| 2.0 Wastewater Treatment Facility Primary Treatment Upgrades | | | | | | | | | | |
| 2.1.1 Wastewater Treatment Facility New Raw Sewage Pumping Station | 2031 - 2041 | \$ 52,528,035 | \$ - | \$ 52,528,035 | 0% | \$ - | \$ 52,528,035 | \$ - | \$ 52,528,035 | \$ - |
| 2.1.2 Primary Clarifiers | 2031 - 2041 | \$ 23,571,676 | \$ - | \$ 23,571,676 | 0% | \$ - | \$ 23,571,676 | \$ - | \$ 23,571,676 | \$ - |
| 2.1.3 Grit Tank and Screw Conveyor | 2031 - 2041 | \$ 7,673,442 | \$ - | \$ 7,673,442 | 0% | \$ - | \$ 7,673,442 | \$ - | \$ 7,673,442 | \$ - |
| 2.1.4 Cost of M.B.R. to go to 96 M.L.D. (Includes U.V.) | 2031 - 2041 | \$ 59,881,047 | \$ - | \$ 59,881,047 | 0% | \$ - | \$ 59,881,047 | \$ - | \$ 59,881,047 | \$ - |
| Subtotal Wastewater Treatment Facility Primary Treatment Upgrades | | \$ 143,654,200 | \$ - | \$ 143,654,200 | | \$ - | \$ 143,654,200 | \$ - | \$ 143,654,200 | \$ - |
| 3.0 ADJUSTMENT FOR FUNDED SHARES OF PROJECTS | | | | | | | | | | |
| 3.1.1 Prior funded shares of projects | 2023 - 2023 | \$ (3,518,806) | \$ - | \$ (3,518,806) | 0% | \$ - | \$ (3,518,806) | \$ - | \$ (3,518,806) | \$ - |
| Subtotal ADJUSTMENT FOR FUNDED SHARES OF PROJECTS | | \$ (3,518,806) | \$ - | \$ (3,518,806) | | \$ - | \$ (3,518,806) | \$ - | \$ (3,518,806) | \$ - |
| TOTAL WASTEWATER SERVICES - FACILITIES | | \$ 524,555,940 | \$ - | \$ 524,555,940 | | \$ 93,056,380 | \$ 431,499,559 | \$ 40,703,840 | \$ 368,245,971 | \$ 22,549,749 |

*Development related costs to be considered for funding from other tools and/or future DC Studies.

| Residential Development Charge Calculation | | |
|---|-------|---------------|
| Residential Share of 2023 - 2041 DC Eligible Costs | 69.1% | \$254,485,536 |
| Long-Term Growth in Population in New Units | | 92,924 |
| Unadjusted Development Charge Per Capita | | \$2,738.64 |
| Non-Residential Retail Development Charge Calculation | | |
| Non-Residential Share of 2023 - 2041 DC Eligible Costs | 12.2% | \$44,746,666 |
| Long-Term Growth in Square Metres | | 816,960 |
| Unadjusted Development Charge Per Square Metre | | \$54.77 |
| Non-Residential Non-Retail Development Charge Calculation | | |
| Non-Residential Share of 2023 - 2041 DC Eligible Costs | 18.7% | \$69,013,769 |
| Long-Term Growth in Square Metres | | 2,157,070 |
| Unadjusted Development Charge Per Square Metre | | \$31.99 |

Current Reserve Fund Balance \$40,703,840



CITY OF BARRIE CASHFLOW AND DETERMINATION OF DEVELOPMENT CHARGE WASTEWATER SERVICES - FACILITIES RESIDENTIAL DEVELOPMENT CHARGE

(in \$000)

| WASTEWATER SERVICES - FACILITIES | 2023 | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | 2030 | 2031 | 2032 |
|---|------------|------------|-------------|------------|------------|------------|------------|------------|------------|------------|
| OPENING CASH BALANCE | \$28,129.4 | \$31,876.9 | \$30,972.1 | \$20,216.3 | \$19,690.6 | \$19,569.4 | \$19,881.4 | \$20,658.7 | \$26,305.3 | \$21,894.0 |
| 2023 - 2041 RESIDENTIAL FUNDING REQUIREMENTS | | | | | | | | | | |
| - Prior Growth (Funding from DC Reserve Balance) | \$2,760.7 | \$2,760.7 | \$11,565.3 | \$2,760.7 | \$2,760.7 | \$2,760.7 | \$2,760.7 | \$0.0 | \$0.0 | \$0.0 |
| - Wastewater Services - Facilities : Non Inflated | \$8,943.4 | \$13,978.5 | \$13,978.5 | \$13,978.5 | \$13,978.5 | \$13,978.5 | \$13,978.5 | \$12,986.7 | \$22,011.8 | \$11,185.1 |
| - Wastewater Services - Facilities : Inflated | \$11,704.1 | \$17,074.0 | \$26,575.8 | \$17,763.7 | \$18,119.0 | \$18,481.4 | \$18,851.0 | \$14,917.6 | \$25,790.3 | \$13,367.2 |
| NEW RESIDENTIAL DEVELOPMENT | | | | | | | | | | |
| - Population Growth in New Units | 5,338 | 5,483 | 5,629 | 5,778 | 5,927 | 6,075 | 6,223 | 6,367 | 6,509 | 3,722 |
| REVENUE | | | | | | | | | | |
| - DC Receipts: Inflated | \$14,419.6 | \$15,107.5 | \$15,819.95 | \$16,563.5 | \$17,330.4 | \$18,118.4 | \$18,931.0 | \$19,756.5 | \$20,601.0 | \$12,015.8 |
| INTEREST | | | | | | | | | | |
| - Interest on Opening Balance | \$984.5 | \$1.115.7 | \$0.0 | \$707.6 | \$689.2 | \$684.9 | \$695.8 | \$723.1 | \$920.7 | \$766.3 |
| - Interest on In-year Transactions | \$47.5 | (\$54.1) | \$0.0 | (\$33.0) | (\$21.7) | (\$10.0) | \$1.4 | \$84.7 | (\$142.7) | (\$37.2) |
| TOTAL REVENUE | \$15,451.6 | \$16,169.1 | \$15,819.9 | \$17,238.0 | \$17,997.9 | \$18,793.4 | \$19,628.3 | \$20,564.2 | \$21,379.0 | \$12,744.9 |
| CLOSING CASH BALANCE | \$31,876.9 | \$30,972.1 | \$20,216.3 | \$19,690.6 | \$19,569.4 | \$19,881.4 | \$20,658.7 | \$26,305.3 | \$21,894.0 | \$21,271.6 |

| WASTEWATER SERVICES - FACILITIES | 2034 | 2035 | 2036 | 2037 | 2038 | 2039 | 2040 | 2041 | TOTAL |
|--|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|----------------------------|
| OPENING CASH BALANCE | \$20,728.3 | \$17,894.1 | \$15,009.1 | \$12,064.2 | \$9,606.0 | \$7,164.8 | \$4,750.4 | \$2,361.3 | |
| 2023 - 2041 RESIDENTIAL FUNDING REQUIREMENTS - Wastewater Services - Facilities : Non Inflated - Wastewater Services - Facilities : Inflated | \$13,037.8 \$16,210.9 | \$13,037.8 \$16,535.1 | \$13,037.8 \$16,865.8 | \$13,037.8 \$17,203.1 | \$13,037.8 \$17,547.2 | \$13,037.8 \$17,898.1 | \$13,037.8 \$18,256.1 | \$13,037.8 \$18,621.2 | \$254,485.5 \$335,416.3 |
| NEW RESIDENTIAL DEVELOPMENT - Population Growth in New Units | 3,795 | 3,829 | 3,860 | 4,040 | 4,083 | 4,127 | 4,169 | 4,210 | 92,924 |
| REVENUE - DC Receipts: Inflated | \$12,746.4 | \$13,117.8 | \$13,488.5 | \$14,399.8 | \$14,844.2 | \$15,304.2 | \$15,769.1 | \$16,242.7 | \$296,957.5 |
| INTEREST - Interest on Opening Balance - Interest on In-year Transactions | \$725.5 (\$95.3) | \$626.3 (\$94.0) | \$525.3 (\$92.9) | \$422.2 (\$77.1) | \$336.2 (\$74.3) | \$250.8 (\$71.3) | \$166.3 (\$68.4) | \$82.6 (\$65.4) | \$11,167.5 (\$838.2) |
| TOTAL REVENUE | \$13,376.6 | \$13,650.1 | \$13,920.9 | \$14,745.0 | \$15,106.0 | \$15,483.6 | \$15,867.0 | \$16,260.0 | \$307,286.9 |
| CLOSING CASH BALANCE | \$17,894.1 | \$15,009.1 | \$12,064.2 | \$9,606.0 | \$7,164.8 | \$4,750.4 | \$2,361.3 | \$0.0 | |

| 2023 Adjusted Charge Per Capita | \$2,701.30 |
|---------------------------------|------------|
| | |

| Allocation of Capital Program | |
|------------------------------------|-------|
| Residential Sector | 69.1% |
| Non-Residential Sector | 30.9% |
| | |
| Rates for 2023 | |
| Inflation Rate | 2.0% |
| Interest Rate on Positive Balances | 3.5% |
| Interest Rate on Negative Balances | 5.5% |
| | |



CITY OF BARRIE

CASHFLOW AND DETERMINATION OF DEVELOPMENT CHARGE WASTEWATER SERVICES - FACILITIES RETAIL DEVELOPMENT CHARGE (in \$000)

| WASTEWATER SERVICES - FACILITIES | 2023 | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | 2030 | 2031 | 2032 |
|---|-----------|-----------|-----------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| OPENING CASH BALANCE | \$4,946.0 | \$4,414.0 | \$3,081.0 | \$179.3 | (\$1,029.9) | (\$2,156.4) | (\$3,193.5) | (\$4,129.8) | (\$4,176.1) | (\$5,946.6) |
| 2023 - 2041 NON-RESIDENTIAL FUNDING REQUIREMENT | S | | | | | | | | | |
| - Prior Growth (Funding from DC Reserve Balance) | \$485.4 | \$485.4 | \$2,033.5 | \$485.4 | \$485.4 | \$485.4 | \$485.4 | \$0.0 | \$0.0 | \$0.0 |
| - Wastewater Services - Facilities : Non Inflated | \$1,572.5 | \$2,457.9 | \$2,457.9 | \$2,457.9 | \$2,457.9 | \$2,457.9 | \$2,457.9 | \$2,283.5 | \$3,870.4 | \$1,966.7 |
| - Wastewater Services - Facilities : Inflated | \$2,057.9 | \$3,002.1 | \$4,672.9 | \$3,123.4 | \$3,185.9 | \$3,249.6 | \$3,314.6 | \$2,623.0 | \$4,534.8 | \$2,350.4 |
| NON-RESIDENTIAL SPACE GROWTH | | | | | | | | | | |
| - Retail Growth in Square Metres | 24,230 | 26,920 | 29,610 | 32,300 | 35,000 | 37,690 | 40,380 | 43,070 | 45,760 | 43,000 |
| REVENUE | | | | | | | | | | |
| - DC Receipts: Inflated | \$1,371.7 | \$1,554.4 | \$1,743.9 | \$1,940.4 | \$2,144.7 | \$2,355.7 | \$2,574.3 | \$2,800.7 | \$3,035.2 | \$2,909.1 |
| INTEREST | | | | | | | | | | |
| - Interest on Opening Balance | \$173.1 | \$154.5 | \$107.8 | \$6.3 | (\$56.6) | (\$118.6) | (\$175.6) | (\$227.1) | (\$229.7) | (\$327.1) |
| - Interest on In-year Transactions | (\$18.9) | (\$39.8) | (\$80.5) | (\$32.5) | (\$28.6) | (\$24.6) | (\$20.4) | \$3.1 | (\$41.2) | \$9.8 |
| TOTAL REVENUE | \$1,525.9 | \$1,669.1 | \$1,771.2 | \$1,914.2 | \$2,059.4 | \$2,212.5 | \$2,378.3 | \$2,576.7 | \$2,764.2 | \$2,591.9 |
| CLOSING CASH BALANCE | \$4,414.0 | \$3,081.0 | \$179.3 | (\$1,029.9) | (\$2,156.4) | (\$3,193.5) | (\$4,129.8) | (\$4,176.1) | (\$5,946.6) | (\$5,705.2) |

| 2034 | 2035 | 2036 | 2037 | 2038 | 2039 | 2040 | 2041 | TOTAL |
|-------------|--|---|---|---|---|---|--|--|
| (\$5,333.7) | (\$5,232.8) | (\$5,009.0) | (\$4,613.5) | (\$4,068.9) | (\$3,362.1) | (\$2,479.1) | (\$1,365.0) | |
| 5 | | | | | | | | |
| \$2,292.5 | \$2,292.5 | \$2,292.5 | \$2,292.5 | \$2,292.5 | \$2,292.5 | \$2,292.5 | \$2,292.5 | \$44,746.7 |
| \$2,850.4 | \$2,907.4 | \$2,965.5 | \$3,024.9 | \$3,085.4 | \$3,147.1 | \$3,210.0 | \$3,274.2 | \$58,976.9 |
| | | | | | | | | |
| 46,000 | 47,500 | 49,500 | 51,000 | 52,500 | 54,000 | 56,000 | 58,000 | 816,960 |
| | | | | | | | | |
| \$3,237.8 | \$3,410.3 | \$3,625.0 | \$3,809.5 | \$4,000.0 | \$4,196.5 | \$4,439.0 | \$4,689.5 | \$39,583.6 |
| | | | | | | | | |
| (\$293.4) | (\$287.8) | (\$275.5) | (\$253.7) | (\$223.8) | (\$184.9) | (\$136.4) | (\$75.1) | (\$2,117.3) |
| \$6.8 | \$8.8 | \$11.5 | \$13.7 | \$16.0 | \$18.4 | \$21.5 | \$24.8 | (\$221.1) |
| \$2,951.3 | \$3,131.3 | \$3,361.0 | \$3,569.5 | \$3,792.2 | \$4,030.0 | \$4,324.2 | \$4,639.2 | \$37,245.3 |
| (\$5,232.8) | (\$5,009.0) | (\$4,613.5) | (\$4,068.9) | (\$3,362.1) | (\$2,479.1) | (\$1,365.0) | \$0.0 | |
| | (\$5,333.7) S \$2,292.5 \$2,850.4 46,000 \$3,237.8 (\$293.4) \$6.8 \$2,951.3 | (\$5,333.7) (\$5,232.8) \$ \$2,292.5 \$2,292.5 \$2,850.4 \$2,907.4 \$46,000 \$47,500 \$3,237.8 \$3,410.3 \$6.8 \$8.8 \$2,951.3 \$3,131.3 | (\$5,333.7) (\$5,232.8) (\$5,009.0) S \$2,292.5 \$2,292.5 \$2,292.5 \$2,850.4 \$2,907.4 \$2,965.5 46,000 47,500 49,500 \$3,237.8 \$3,410.3 \$3,625.0 (\$293.4) (\$287.8) (\$275.5) \$6.8 \$8.8 \$11.5 \$2,951.3 \$3,131.3 \$3,361.0 | (\$5,333.7) (\$5,232.8) (\$5,009.0) (\$4,613.5) S \$2,292.5 \$2,292.5 \$2,292.5 \$2,292.5 \$2,850.4 \$2,907.4 \$2,965.5 \$3,024.9 46,000 47,500 49,500 51,000 \$3,237.8 \$3,410.3 \$3,625.0 \$3,809.5 (\$293.4) (\$287.8) (\$275.5) (\$253.7) \$6.8 \$8.8 \$11.5 \$13.7 \$2,951.3 \$3,131.3 \$3,361.0 \$3,569.5 | (\$5,333.7) (\$5,232.8) (\$5,009.0) (\$4,613.5) (\$4,068.9) S \$2,292.5 \$2,292.5 \$2,292.5 \$2,292.5 \$2,292.5 \$2,850.4 \$2,907.4 \$2,965.5 \$3,024.9 \$3,085.4 46,000 47,500 49,500 51,000 52,500 \$3,237.8 \$3,410.3 \$3,625.0 \$3,809.5 \$4,000.0 (\$293.4) (\$287.8) (\$275.5) (\$253.7) (\$223.8) \$6.8 \$8.8 \$11.5 \$13.7 \$16.0 \$2,951.3 \$3,131.3 \$3,361.0 \$3,569.5 \$3,792.2 | (\$5,333.7) (\$5,232.8) (\$5,009.0) (\$4,613.5) (\$4,068.9) (\$3,362.1) S \$2,292.5 \$2,292.5 \$2,292.5 \$2,292.5 \$2,292.5 \$2,292.5 \$2,292.5 \$2,850.4 \$2,907.4 \$2,965.5 \$3,024.9 \$3,085.4 \$3,147.1 46,000 47,500 49,500 51,000 52,500 54,000 \$3,237.8 \$3,410.3 \$3,625.0 \$3,809.5 \$4,000.0 \$4,196.5 (\$293.4) (\$287.8) (\$275.5) (\$253.7) (\$223.8) (\$184.9) \$6.8 \$8.8 \$11.5 \$13.7 \$16.0 \$18.4 \$2,951.3 \$3,131.3 \$3,361.0 \$3,569.5 \$3,792.2 \$4,030.0 | (\$5,333.7) (\$5,232.8) (\$5,009.0) (\$4,613.5) (\$4,068.9) (\$3,362.1) (\$2,479.1) S \$2,292.5 \$2, | (\$5,333.7) (\$5,232.8) (\$5,009.0) (\$4,613.5) (\$4,068.9) (\$3,362.1) (\$2,479.1) (\$1,365.0) S \$2,292.5 \$2,295.3 \$2,295.3 \$3,147.1 \$3,210.0 \$3,274.2 \$4,689.5 \$2,295.3 \$3,41 |

| 2023 Adjusted Charge Per Square Metre | \$56.61 |
|---------------------------------------|---------|
| | |

| Allocation of Capital Program | |
|------------------------------------|-------|
| Residential Sector | 69.1% |
| Retail Sector | 12.2% |
| Non-Retail Sector | 18.7% |
| Rates for 2023 | |
| Inflation Rate | 2.0% |
| Interest Rate on Positive Balances | 3.5% |
| Interest Rate on Negative Balances | 5.5% |
| | |



CITY OF BARRIE

CASHFLOW AND DETERMINATION OF DEVELOPMENT CHARGE WASTEWATER SERVICES - FACILITIES NON-RETAIL DEVELOPMENT CHARGE (in \$000)

| WASTEWATER SERVICES - FACILITIES | 2023 | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | 2030 | 2031 | 2032 |
|---|-----------|-----------|-----------|-----------|-------------|-------------|-------------|-------------|-------------|-------------|
| OPENING CASH BALANCE | \$7,628.4 | \$6,933.4 | \$5,024.5 | \$718.8 | (\$952.4) | (\$2,458.4) | (\$3,794.1) | (\$4,939.9) | (\$4,678.0) | (\$7,033.0) |
| 2023 - 2041 NON-RESIDENTIAL FUNDING REQUIR | EMENTS | | | | | | | | | |
| - Prior Growth (Funding from DC Reserve Balanc | \$748.7 | \$748.7 | \$3,136.4 | \$748.7 | \$748.7 | \$748.7 | \$748.7 | \$0.0 | \$0.0 | \$0.0 |
| - Wastewater Services - Facilities : Non Inflated | \$2,425.4 | \$3,790.8 | \$3,790.8 | \$3,790.8 | \$3,790.8 | \$3,790.8 | \$3,790.8 | \$3,521.9 | \$5,969.4 | \$3,033.3 |
| - Wastewater Services - Facilities : Inflated | \$3,174.0 | \$4,630.3 | \$7,207.1 | \$4,817.3 | \$4,913.7 | \$5,012.0 | \$5,112.2 | \$4,045.5 | \$6,994.1 | \$3,625.0 |
| NON-RESIDENTIAL SPACE GROWTH | | | | | | | | | | |
| - Non-Retail Growth in Square Metres | 68,370 | 75,970 | 83,560 | 91,160 | 98,760 | 106,360 | 113,950 | 121,550 | 129,140 | 116,050 |
| REVENUE | | | | | | | | | | |
| - DC Receipts: Inflated | \$2,237.8 | \$2,536.3 | \$2,845.5 | \$3,166.4 | \$3,498.9 | \$3,843.6 | \$4,200.2 | \$4,570.0 | \$4,952.4 | \$4,539.4 |
| INTEREST | | | | | | | | | | |
| - Interest on Opening Balance | \$267.0 | \$242.7 | \$175.9 | \$25.2 | (\$52.4) | (\$135.2) | (\$208.7) | (\$271.7) | (\$257.3) | (\$386.8) |
| - Interest on In-year Transactions | (\$25.7) | (\$57.6) | (\$119.9) | (\$45.4) | (\$38.9) | (\$32.1) | (\$25.1) | \$9.2 | (\$56.1) | \$16.0 |
| TOTAL REVENUE | \$2,479.0 | \$2,721.4 | \$2,901.4 | \$3,146.1 | \$3,407.7 | \$3,676.2 | \$3,966.5 | \$4,307.4 | \$4,639.0 | \$4,168.6 |
| CLOSING CASH BALANCE | \$6,933.4 | \$5,024.5 | \$718.8 | (\$952.4) | (\$2,458.4) | (\$3,794.1) | (\$4,939.9) | (\$4,678.0) | (\$7,033.0) | (\$6,489.4) |

| WASTEWATER SERVICES - FACILITIES | 2034 | 2035 | 2036 | 2037 | 2038 | 2039 | 2040 | 2041 | TOTAL |
|---|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| OPENING CASH BALANCE | (\$5,739.0) | (\$5,591.9) | (\$5,298.6) | (\$5,000.0) | (\$4,316.8) | (\$3,502.0) | (\$2,504.8) | (\$1,337.9) | |
| 2023 - 2041 NON-RESIDENTIAL FUNDING REQUIR | EMENTS | | | | | | | | |
| - Prior Growth (Funding from DC Reserve Balanc | \$0.0 | \$0.0 | \$0.0 | \$0.0 | \$0.0 | \$0.0 | \$0.0 | \$0.0 | \$7,628.4 |
| - Wastewater Services - Facilities : Non Inflated | \$3,535.7 | \$3,535.7 | \$3,535.7 | \$3,535.7 | \$3,535.7 | \$3,535.7 | \$3,535.7 | \$3,535.7 | \$69,013.8 |
| - Wastewater Services - Facilities : Inflated | \$4,396.2 | \$4,484.1 | \$4,573.8 | \$4,665.3 | \$4,758.6 | \$4,853.8 | \$4,950.9 | \$5,049.9 | \$90,961.3 |
| NON-RESIDENTIAL SPACE GROWTH | | | | | | | | | |
| - Non-Retail Growth in Square Metres | 119,200 | 122,250 | 121,720 | 129,830 | 131,500 | 134,050 | 136,000 | 137,700 | 2,157,070 |
| REVENUE | | | | | | | | | |
| - DC Receipts: Inflated | \$4,851.0 | \$5,074.7 | \$5,153.7 | \$5,607.0 | \$5,792.7 | \$6,023.2 | \$6,233.0 | \$6,437.1 | \$61,862.7 |
| INTEREST | | | | | | | | | |
| - Interest on Opening Balance | (\$315.6) | (\$307.6) | (\$291.4) | (\$275.0) | (\$237.4) | (\$192.6) | (\$137.8) | (\$73.6) | (\$2,147.9) |
| - Interest on In-year Transactions | \$8.0 | \$10.3 | \$10.1 | \$16.5 | \$18.1 | \$20.5 | \$22.4 | \$24.3 | (\$311.8) |
| TOTAL REVENUE | \$4,543.3 | \$4,777.4 | \$4,872.4 | \$5,348.5 | \$5,573.4 | \$5,851.0 | \$6,117.7 | \$6,387.8 | \$59,403.0 |
| CLOSING CASH BALANCE | (\$5,591.9) | (\$5,298.6) | (\$5,000.0) | (\$4,316.8) | (\$3,502.0) | (\$2,504.8) | (\$1,337.9) | \$0.0 | |

2023 Adjusted Charge Per Square Metre \$32.73

| Allocation of Capital Program | |
|------------------------------------|-------|
| Residential Sector | 69.1% |
| Retail Sector | 12.2% |
| Non-Retail Sector | 18.7% |
| | |
| Rates for 2023 | |
| Inflation Rate | 2.0% |
| Interest Rate on Positive Balances | 3.5% |
| Interest Rate on Negative Balances | 5.5% |
| | |



Appendix D.5 Wastewater Services: Facilities Related Debt



Wastewater Services: Facilities Related Debt

This appendix provides a brief outline of the infrastructure included in the Wastewater Services: Facilities Related Debt development charge. The development-related projects outlined in this appendix are required to service the demands of new development to 2041. The benefits of the services are considered to be Citywide for the purposes of calculating the development charge.

The following discusses the individual components included in the Wastewater Facilities Related Debt service category. The analysis is set out in the tables which follow. The tables include:

Table D.5-1 2023-2041 Development-Related Capital Forecast and Calculation of the Discounted Growth-Related Net Capital Costs

Table D.5-2 Cash Flow Analysis

E. Development-Related Capital Program

i. Gross Capital Program Costs

The capital program for Wastewater Facilities Related Debt includes the recovery of a negative reserve fund balance of \$47.69 million as well as principal payments associated with five debentures associated with the Wastewater Treatment Facility. These debentures include:

- WPCC 2010-071 = \$36.85 million (principal)
- Oro Biosolids 2013-009 = \$13.70 million (principal)
- WPCC Green Municipal Fund 2013-177 = \$1.20 million (principal)
- WPCC Expansion 2015 2016-010 = \$7.42 million (principal)
- WPCC 2017-131 = \$1.68 million (principal)



The associated interest costs related to the debentures amounts to \$12.65 million and have been included in cash flow analysis.

The total gross cost of the capital program amounts to \$108.53 million.

ii. Grants, Subsidies and Other Recoveries

There is no anticipated grants, subsidies or other recoveries for this services. As such, no deduction is made.

iii. Replacement and Benefit to Existing Shares

Only the growth-related shares of the Wastewater Treatment Plant have been included in the capital program, therefore no benefit to existing shares have been identified.

iv. Available DC Reserve Funds

The City has constructed works in advance of growth occurring, therefore the DC reserve is in a deficit position.

v. Other Development-Related / Post-Period Benefit Shares

No post-period benefit allocations have been identified for this service as the infrastructure is required to service development over the planning period.

vi. 2023-2041 DC Eligible Development Related Costs

The total in-period DC eligible costs included in the DC rate calculation is \$108.53 million.

F. Cash Flow Analysis

The long-term cash-flow analysis takes into consideration expenditure timing and revenue projections as well as the interest payments associated



with Wastewater Treatment Plant debentures. As noted on Table 2, the DC eligible costs are not inflated as the entirety of the capital program relates to debentures.

The effect of the analysis is an increase in the residential development charge rates to \$1,468.72 per capita. The adjusted retail cash-flow amounts to \$32.43 per square metre of gross floor area and non-retail amounts to \$18.75 per square metre.

The following table summarizes the calculation of the Wastewater Facilities Related Debt development charge:

| | | WASTEWATE | R SERVICES - FAC | ILITIES RELATED DE | BT SUMMARY | | | |
|----------------|------------------------|-----------|-------------------|--------------------|------------------|----------------|--------------------|--|
| 20 | 23 - 2032 | | Unadjusted | | | Adjusted | | |
| Development-Re | elated Capital Program | | Development Charg | ge | Development Char | ent Charge | | |
| Total | Net DC Recoverable | \$/capita | Retail \$/sq.m | Non-Retail\$/sq.m | \$/capita | Retail \$/sq.m | Non-Retail \$/sq.m | |
| \$108,531,328 | \$108,531,328 | \$807.15 | \$16.14 | \$9.43 | \$1,468.72 | \$32.43 | \$18.75 | |



CITY OF BARRIE WASTEWATER SERVICES - FACILITIES RELATED DEBT DEVELOPMENT-RELATED CAPITAL PROGRAM

| | | Gros | ss | Grants/ | | Net | Ineligib | le Costs | | Total | | | DC E | ligible Costs | | |
|--|-------------|---------|---------|-----------------|----|------------|--------------|--------------|----|-------------|--------|-------|------|---------------|----|-------|
| Project Description | Timing | Proje | | Subsidies/Other | 1 | Municipal | Replacement | Replacement | ' | DC Eligible | Availa | | | 2023- | | Post |
| | | Cos | st | Recoveries | | Cost | & BTE Shares | & BTE Shares | - | Costs | DC Res | erves | | 2041 | 2 | 2041* |
| WASTEWATER SERVICES - FACILITIES RELATED DEBT | | | | | | | | | | | | | | | | |
| 1.1 Recovery of Negative Reserve Fund Balance | | | | | | | | | | | | | | | | |
| 1.1.1 Balance as at December 31, 2022 | 2023 - 2023 | \$ 47,6 | 692,059 | \$ - | \$ | 47,692,059 | 0% | \$ - | \$ | 47,692,059 | \$ | - | \$ | 47,692,059 | \$ | - |
| Subtotal Recovery of Negative Reserve Fund Balance | | \$ 47,6 | 692,059 | \$ - | \$ | 47,692,059 | | \$ - | \$ | 47,692,059 | \$ | - | \$ | 47,692,059 | \$ | - |
| 1.2 Debentures - WPCC 2010-071 ¹ | | | | | | | | | | | | | | | | |
| 1.2.1 Principal Payment | 2023 - 2023 | \$ 4,1 | 172,853 | \$ - | \$ | 4,172,853 | 0% | \$ - | \$ | 4,172,853 | \$ | - | \$ | 4,172,853 | \$ | - |
| 1.2.2 Principal Payment | 2024 - 2024 | \$ 4,3 | 380,683 | \$ - | \$ | 4,380,683 | 0% | \$ - | \$ | 4,380,683 | \$ | - | \$ | 4,380,683 | \$ | - |
| 1.2.3 Principal Payment | 2025 - 2025 | \$ 4,5 | 598,864 | \$ - | \$ | 4,598,864 | 0% | \$ - | \$ | 4,598,864 | \$ | - | \$ | 4,598,864 | \$ | - |
| 1.2.4 Principal Payment | 2026 - 2026 | \$ 4,8 | 827,911 | \$ - | \$ | 4,827,911 | 0% | \$ - | \$ | 4,827,911 | \$ | - | \$ | 4,827,911 | \$ | - |
| 1.2.5 Principal Payment | 2027 - 2027 | \$ 5,0 | 068,366 | \$ - | \$ | 5,068,366 | 0% | \$ - | \$ | 5,068,366 | \$ | - | \$ | 5,068,366 | \$ | - |
| 1.2.6 Principal Payment | 2028 - 2028 | \$ 5,3 | 320,796 | \$ - | \$ | 5,320,796 | 0% | \$ - | \$ | 5,320,796 | \$ | - | \$ | 5,320,796 | \$ | - |
| 1.2.7 Principal Payment | 2029 - 2029 | \$ 5,5 | 585,800 | \$ - | \$ | 5,585,800 | 0% | \$ - | \$ | 5,585,800 | \$ | - | \$ | 5,585,800 | \$ | - |
| 1.2.8 Principal Payment | 2030 - 2030 | \$ 2,8 | 896,375 | \$ - | \$ | 2,896,375 | 0% | \$ - | \$ | 2,896,375 | \$ | - | \$ | 2,896,375 | \$ | - |
| Subtotal Debentures - WPCC 2010-071 1 | | \$ 36,8 | 851,648 | \$ - | \$ | 36,851,648 | | \$ - | \$ | 36,851,648 | \$ | - | \$ | 36,851,648 | \$ | - |



CITY OF BARRIE WASTEWATER SERVICES - FACILITIES RELATED DEBT DEVELOPMENT-RELATED CAPITAL PROGRAM

| | | | Gross | Grants/ | | Net | Ineligib | le Costs | | Total | | DC I | Eligible Costs | ; | |
|--|-----------|--------|------------|-----------------|----|------------|--------------|------------|------|---------------|-------------|------|----------------|----|-------|
| Project Description | Timing | | Project | Subsidies/Other | r | Municipal | Replacement | Replaceme | nt | DC Eligible | Available | | 2023- | | Post |
| | | | Cost | Recoveries | - | Cost | & BTE Shares | & BTE Shar | es | Costs | DC Reserves | ₩ | 2041 | | 2041* |
| 1.3 Debentures - Oro Biosolids 2013-009 ¹ | | | | | | | | | | | | | | | |
| 1.3.1 Principal Payment | 2023 - 20 | 023 \$ | 1,033,059 | \$ - | \$ | 1,033,059 | 0% | \$ - | | \$ 1,033,059 | \$ - | \$ | 1,033,059 | \$ | |
| 1.3.2 Principal Payment | 2024 - 20 | 24 \$ | 1,070,058 | \$ - | \$ | 1,070,058 | 0% | \$ - | | \$ 1,070,058 | \$ - | \$ | 1,070,058 | \$ | |
| 1.3.3 Principal Payment | 2025 - 20 |)25 \$ | 1,108,382 | \$ - | \$ | 1,108,382 | 0% | \$ - | . : | \$ 1,108,382 | \$ - | \$ | 1,108,382 | \$ | |
| 1.3.4 Principal Payment | 2026 - 20 |)26 \$ | 1,148,079 | \$ - | \$ | 1,148,079 | 0% | \$ - | - : | \$ 1,148,079 | \$ - | \$ | 1,148,079 | \$ | |
| 1.3.5 Principal Payment | 2027 - 20 | 27 \$ | 1,189,198 | \$ - | \$ | 1,189,198 | 0% | \$ - | - : | \$ 1,189,198 | \$ - | \$ | 1,189,198 | \$ | |
| 1.3.6 Principal Payment | 2028 - 20 |)28 \$ | 1,231,789 | \$ - | \$ | 1,231,789 | 0% | \$ - | - : | \$ 1,231,789 | \$ - | \$ | 1,231,789 | \$ | |
| 1.3.7 Principal Payment | 2029 - 20 |)29 \$ | 1,275,906 | \$ - | \$ | 1,275,906 | 0% | \$ - | - : | \$ 1,275,906 | \$ - | \$ | 1,275,906 | \$ | |
| 1.3.8 Principal Payment | 2030 - 20 | 30 \$ | 1,321,602 | \$ - | \$ | 1,321,602 | 0% | \$ - | - : | \$ 1,321,602 | \$ - | \$ | 1,321,602 | \$ | |
| 1.3.9 Principal Payment | 2031 - 20 | 31 \$ | 2,172,158 | \$ - | \$ | 2,172,158 | 0% | \$ - | - : | \$ 2,172,158 | \$ - | \$ | 2,172,158 | \$ | |
| 1.3.10 Principal Payment | 2032 - 20 | 32 \$ | 1,417,964 | \$ - | \$ | 1,417,964 | 0% | \$ - | - ! | \$ 1,417,964 | \$ - | \$ | 1,417,964 | \$ | |
| 1.3.11 Principal Payment | 2033 - 20 | 33 \$ | 727,914 | \$ - | \$ | 727,914 | 0% | \$ - | | \$ 727,914 | \$ - | \$ | 727,914 | \$ | |
| Subtotal Debentures - Oro Biosolids 2013-0091 | | \$ | 13,696,110 | \$ - | \$ | 13,696,110 | | \$ - | . : | \$ 13,696,110 | \$ - | \$ | 13,696,110 | \$ | |
| 1.4 Debentures - WPCC - Green Municipal Fund 2013-177 ¹ | | | | | | | | | | | | | | | |
| 1.4.1 Principal Payment | 2023 - 20 | 23 \$ | 98,362 | \$ - | \$ | 98,362 | 0% | \$ - | - ! | \$ 98,362 | \$ - | \$ | 98,362 | \$ | |
| 1.4.2 Principal Payment | 2024 - 20 | 24 \$ | 100,334 | \$ - | \$ | 100,334 | 0% | \$ - | - : | \$ 100,334 | \$ - | \$ | 100,334 | \$ | |
| 1.4.3 Principal Payment | 2025 - 20 |)25 \$ | 102,358 | \$ - | \$ | 102,358 | 0% | \$ - | - : | \$ 102,358 | \$ - | \$ | 102,358 | \$ | |
| 1.4.4 Principal Payment | 2026 - 20 |)26 \$ | 104,413 | \$ - | \$ | 104,413 | 0% | \$ - | - : | \$ 104,413 | \$ - | \$ | 104,413 | \$ | |
| 1.4.5 Principal Payment | 2027 - 20 | 27 \$ | 106,511 | \$ - | \$ | 106,511 | 0% | \$ - | - : | \$ 106,511 | \$ - | \$ | 106,511 | \$ | |
| 1.4.6 Principal Payment | 2028 - 20 |)28 \$ | 108,649 | \$ - | \$ | 108,649 | 0% | \$ - | - : | \$ 108,649 | \$ - | \$ | 108,649 | \$ | |
| 1.4.7 Principal Payment | 2029 - 20 |)29 \$ | 110,838 | \$ - | \$ | 110,838 | 0% | \$ - | - [: | \$ 110,838 | \$ - | \$ | 110,838 | \$ | |
| 1.4.8 Principal Payment | 2030 - 20 | 30 \$ | 113,064 | \$ - | \$ | 113,064 | 0% | \$ - | . [: | \$ 113,064 | \$ - | \$ | 113,064 | \$ | |
| 1.4.9 Principal Payment | 2031 - 20 | 31 \$ | 115,337 | \$ - | \$ | 115,337 | 0% | \$ - | - [: | \$ 115,337 | \$ - | \$ | 115,337 | \$ | |
| 1.4.10 Principal Payment | | 32 \$ | 117,652 | \$ - | \$ | 117,652 | 0% | \$ - | - : | \$ 117,652 | \$ - | \$ | 117,652 | \$ | |
| 1.4.11 Principal Payment | 2033 - 20 | 33 \$ | 120,020 | \$ - | \$ | 120,020 | 0% | \$ - | _ : | \$ 120,020 | \$ - | \$ | 120,020 | \$ | |
| Subtotal Debentures - WPCC - Green Municipal Fund 2013-177 1 | | \$ | 1,197,537 | \$ - | \$ | 1,197,537 | | \$ - | . : | \$ 1,197,537 | \$ - | \$ | 1,197,537 | \$ | |



CITY OF BARRIE WASTEWATER SERVICES - FACILITIES RELATED DEBT DEVELOPMENT-RELATED CAPITAL PROGRAM

| | | Gross | | Grants/ | Net | Ineligib | le Co | sts | Total | | | DC E | ligible Cost | 3 | |
|--|-------------|-----------------|------|-------------------------------|-------------------|-----------------------------|-------|-------------------------|---------------------|-----|---------------------|------|---------------|----|---------------|
| Project Description | Timing | Project Cost | S | Subsidies/Other Recoveries | Municipal Cost | Replacement & BTE Shares | | placement STE Shares | C Eligible Costs | | ailable Reserves | | 2023- 2041 | | Post 2041* |
| | | 0031 | | Recoveries | 0031 | Q D I E Gildres | | TE Onures | 00313 | 501 | 10301703 | | 2041 | | 2041 |
| 1.5 Debentures - WPCC Expansion 2015 - 2016-010 ¹ | | | | | | | | | | | | | | | |
| 1.5.1 Principal Payment | 2023 - 2023 | \$ 447 | ,049 | \$ - | \$ 447,049 | 0% | \$ | - | \$ 447,049 | \$ | - | \$ | 447,049 | \$ | |
| 1.5.2 Principal Payment | 2024 - 2024 | \$ 461 | ,469 | \$ - | \$ 461,469 | 0% | \$ | - | \$ 461,469 | \$ | - | \$ | 461,469 | \$ | |
| 1.5.3 Principal Payment | 2025 - 2025 | \$ 476 | ,354 | \$ - | \$ 476,354 | 0% | \$ | - | \$ 476,354 | \$ | - | \$ | 476,354 | \$ | |
| 1.5.4 Principal Payment | 2026 - 2026 | \$ 491 | ,720 | \$ - | \$ 491,720 | 0% | \$ | - | \$ 491,720 | \$ | - | \$ | 491,720 | \$ | |
| 1.5.5 Principal Payment | 2027 - 2027 | \$ 507 | ,581 | \$ - | \$ 507,581 | 0% | \$ | - | \$ 507,581 | \$ | - | \$ | 507,581 | \$ | |
| 1.5.6 Principal Payment | 2028 - 2028 | \$ 523 | ,953 | \$ - | \$ 523,953 | 0% | \$ | - | \$ 523,953 | \$ | - | \$ | 523,953 | \$ | |
| 1.5.7 Principal Payment | 2029 - 2029 | \$ 540 | ,854 | \$ - | \$ 540,854 | 0% | \$ | - | \$ 540,854 | \$ | - | \$ | 540,854 | \$ | |
| 1.5.8 Principal Payment | 2030 - 2030 | \$ 558 | ,299 | \$ - | \$ 558,299 | 0% | \$ | - | \$ 558,299 | \$ | - | \$ | 558,299 | \$ | |
| 1.5.9 Principal Payment | 2031 - 2031 | \$ 576 | ,308 | \$ - | \$ 576,308 | 0% | \$ | - | \$ 576,308 | \$ | - | \$ | 576,308 | \$ | |
| 1.5.10 Principal Payment | 2032 - 2032 | \$ 594 | ,897 | \$ - | \$ 594,897 | 0% | \$ | - | \$ 594,897 | \$ | - | \$ | 594,897 | \$ | |
| 1.5.11 Principal Payment | 2033 - 2033 | \$ 614 | ,086 | \$ - | \$ 614,086 | 0% | \$ | - | \$ 614,086 | \$ | - | \$ | 614,086 | \$ | |
| 1.5.12 Principal Payment | 2034 - 2034 | \$ 633 | ,894 | \$ - | \$ 633,894 | 0% | \$ | - | \$ 633,894 | \$ | - | \$ | 633,894 | \$ | |
| 1.5.13 Principal Payment | 2035 - 2035 | \$ 654 | ,341 | \$ - | \$ 654,341 | 0% | \$ | - | \$ 654,341 | \$ | - | \$ | 654,341 | \$ | |
| 1.5.14 Principal Payment | 2036 - 2036 | \$ 335 | ,043 | \$ - | \$ 335,043 | 0% | \$ | - | \$ 335,043 | \$ | - | \$ | 335,043 | \$ | |
| Subtotal Debentures - WPCC Expansion 2015 - 2016-010 1 | | \$ 7,415 | ,849 | \$ - | \$ 7,415,849 | | \$ | - | \$ 7,415,849 | \$ | - | \$ | 7,415,849 | \$ | |
| 1.6 Debentures - WPCC 2017-131 ¹ | | | | | | | | | | | | | | | |
| 1.6.1 Principal Payment | 2023 - 2023 | \$ 112 | ,500 | \$ - | \$ 112,500 | 0% | \$ | - | \$ 112,500 | \$ | - | \$ | 112,500 | \$ | |
| 1.6.2 Principal Payment | 2024 - 2024 | \$ 112 | ,500 | \$ - | \$ 112,500 | 0% | \$ | - | \$ 112,500 | \$ | - | \$ | 112,500 | \$ | |
| 1.6.3 Principal Payment | 2025 - 2025 | \$ 112 | ,500 | \$ - | \$ 112,500 | 0% | \$ | - | \$ 112,500 | \$ | - | \$ | 112,500 | \$ | |
| 1.6.4 Principal Payment | 2026 - 2026 | \$ 112 | ,500 | \$ - | \$ 112,500 | 0% | \$ | - | \$ 112,500 | \$ | - | \$ | 112,500 | \$ | |
| 1.6.5 Principal Payment | 2027 - 2027 | \$ 112 | ,500 | \$ - | \$ 112,500 | 0% | \$ | - | \$ 112,500 | \$ | - | \$ | 112,500 | \$ | |
| 1.6.6 Principal Payment | 2028 - 2028 | \$ 112 | ,500 | \$ - | \$ 112,500 | 0% | \$ | - | \$ 112,500 | \$ | - | \$ | 112,500 | \$ | |
| 1.6.7 Principal Payment | 2029 - 2029 | \$ 112 | ,500 | \$ - | \$ 112,500 | 0% | \$ | - | \$ 112,500 | \$ | - | \$ | 112,500 | \$ | |
| 1.6.8 Principal Payment | 2030 - 2030 | \$ 112 | ,500 | \$ - | \$ 112,500 | 0% | \$ | _ | \$ 112,500 | \$ | - | \$ | 112,500 | \$ | |



CITY OF BARRIE WASTEWATER SERVICES - FACILITIES RELATED DEBT DEVELOPMENT-RELATED CAPITAL PROGRAM

| | | Gross | Grants/ | Net | Ineligib | le Costs | Total | | DC Eligible Costs | • |
|---|-------------|----------------|-----------------|----------------|--------------|--------------|----------------|-------------|-------------------|-------|
| Project Description | Timing | Project | Subsidies/Other | Municipal | Replacement | Replacement | DC Eligible | Available | 2023- | Post |
| | | Cost | Recoveries | Cost | & BTE Shares | & BTE Shares | Costs | DC Reserves | 2041 | 2041* |
| | | | | | | | | | | |
| 1.6.9 Principal Payment | 2031 - 2031 | \$ 112,500 | \$ - | \$ 112,500 | 0% | \$ - | \$ 112,500 | \$ - | \$ 112,500 | \$ - |
| 1.6.10 Principal Payment | 2032 - 2032 | \$ 112,500 | \$ - | \$ 112,500 | 0% | \$ - | \$ 112,500 | \$ - | \$ 112,500 | \$ - |
| 1.6.11 Principal Payment | 2033 - 2033 | \$ 112,500 | \$ - | \$ 112,500 | 0% | \$ - | \$ 112,500 | \$ - | \$ 112,500 | \$ - |
| 1.6.12 Principal Payment | 2034 - 2034 | \$ 112,500 | \$ - | \$ 112,500 | 0% | \$ - | \$ 112,500 | \$ - | \$ 112,500 | \$ - |
| 1.6.13 Principal Payment | 2035 - 2035 | \$ 112,500 | \$ - | \$ 112,500 | 0% | \$ - | \$ 112,500 | \$ - | \$ 112,500 | \$ - |
| 1.6.14 Principal Payment | 2036 - 2036 | \$ 112,500 | \$ - | \$ 112,500 | 0% | \$ - | \$ 112,500 | \$ - | \$ 112,500 | \$ - |
| 1.6.15 Principal Payment | 2037 - 2037 | \$ 103,125 | \$ - | \$ 103,125 | 0% | <u>\$ -</u> | \$ 103,125 | \$ - | \$ 103,125 | \$ - |
| Subtotal Debentures - WPCC 2017-131 1 | | \$ 1,678,125 | \$ - | \$ 1,678,125 | | \$ - | \$ 1,678,125 | \$ - | \$ 1,678,125 | \$ - |
| | | | | | | | | | | |
| | | | | | | | | | | |
| TOTAL WASTEWATER SERVICES - FACILITIES RELATED DEBT | | \$ 108,531,328 | \$ - | \$ 108,531,328 | | \$ - | \$ 108,531,328 | \$ - | \$ 108,531,328 | \$ - |
| | | | | | | | | | | |

^{*}Development related costs to be considered for funding from other tools and/or future DC Studies.

(1)Includes principal payments only, interest payments included in cash flow analysis

WPCC 2010-071 total interest payments = \$7.66M

Oro Biosolids 2013-0091 total interest payments = \$2.66M

WPCC - Green Municipal Fund 2013-177 total interest payments = \$142,000

WPCC Expansion 2015 - 2016-010 total interest payments = \$1.77M

WPCC 2017-131 total interest payments = \$400,500

| Residential Development Charge Calculation | | |
|---|-------|--------------|
| Residential Share of 2023 - 2041 DC Eligible Costs | 69.1% | \$75,003,273 |
| Long-Term Growth in Population in New Units | | 92,924 |
| Unadjusted Development Charge Per Capita | | \$807.15 |
| Non-Residential Retail Development Charge Calculation | | |
| Non-Residential Share of 2023 - 2041 DC Eligible Costs | 12.2% | \$13,187,965 |
| Long-Term Growth in Square Metres | | 816,960 |
| Unadjusted Development Charge Per Square Metre | | \$16.14 |
| Non-Residential Non-Retail Development Charge Calculation | | |
| Non-Residential Share of 2023 - 2041 DC Eligible Costs | 18.7% | \$20,340,090 |
| Long-Term Growth in Square Metres | | 2,157,070 |
| Unadjusted Development Charge Per Square Metre | | \$9.43 |

Current Reserve Fund Balance (\$47,692,059)



CITY OF BARRIE CASHFLOW AND DETERMINATION OF DEVELOPMENT CHARGE WASTEWATER SERVICES - FACILITIES RELATED DEBT RESIDENTIAL DEVELOPMENT CHARGE (in \$000)

| WASTEWATER SERVICES - FACILITIES RELATED DEBT | 2023 | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | 2030 | 2031 | 2032 |
|---|--|--------------------------------------|--------------------------------|--------------------------------------|------------------------------------|------------------------------------|------------------------------------|-------------------------------------|-------------------------------------|------------------------------------|
| OPENING CASH BALANCE | (\$32,958.8) | (\$66,486.3) | (\$67,650.7) | (\$64,765.0) | (\$65,031.0) | (\$64,888.5) | (\$64,303.6) | (\$63,238.4) | (\$59,572.9) | (\$53,715.8) |
| 2023 - 2041 RESIDENTIAL FUNDING REQUIREMENTS - Prior Growth (Funding from DC Reserve Balance) - Wastewater Services - Facilities Related Debt: Non Inflated | \$0.0 \$37,011.1 | \$0.0 \$4,232.9 | \$0.0 \$4,421.8 | \$0.0 \$4,619.6 | \$0.0 \$4,826.6 | \$0.0 \$5,043.2 | \$0.0 \$5,270.1 | \$0.0 \$3,456.6 | \$0.0 \$2,056.8 | \$0.0 \$1,550.1 |
| NEW RESIDENTIAL DEVELOPMENT - Population Growth in New Units | 5,338 | 5,483 | 5,629 | 5,778 | 5,927 | 6,075 | 6,223 | 6,367 | 6,509 | 3,722 |
| REVENUE - DC Receipts: Inflated | \$7,840.0 | \$8,214.1 | \$8,601.45 | \$9,005.7 | \$9,422.7 | \$9,851.2 | \$10,293.0 | \$10,741.8 | \$11,201.0 | \$6,533.1 |
| INTEREST - Interest on Opening Balance - Interest on In-year Transactions - Interest on Debenture Payments | (\$1,812.7) (\$802.2) (\$1,741.47) | (\$3,656.7) \$69.7 (\$1,558.6) | \$0.0 \$73.1 (\$1,367.1) | (\$3,562.1) \$76.8 (\$1,166.8) | (\$3,576.7) \$80.4 (\$957.4) | (\$3,568.9) \$84.1 (\$738.3) | (\$3,536.7) \$87.9 (\$508.9) | (\$3,478.1) \$127.5 (\$269.0) | (\$3,276.5) \$160.0 (\$170.6) | (\$2,954.4) \$87.2 (\$119.8) |
| TOTAL REVENUE | \$3,483.6 | \$3,068.4 | \$7,307.5 | \$4,353.6 | \$4,969.1 | \$5,628.2 | \$6,335.3 | \$7,122.1 | \$7,913.9 | \$3,546.1 |
| CLOSING CASH BALANCE | (\$66,486.3) | (\$67,650.7) | (\$64,765.0) | (\$65,031.0) | (\$64,888.5) | (\$64,303.6) | (\$63,238.4) | (\$59,572.9) | (\$53,715.8) | (\$51,719.8) |

| WASTEWATER SERVICES - FACILITIES RELATED DEBT | 2034 | 2035 | 2036 | 2037 | 2038 | 2039 | 2040 | 2041 | TOTAL |
|---|------------------------------------|------------------------------------|-----------------------------------|-----------------------------------|---------------------------------|---------------------------------|-------------------------------|-------------------------------|--|
| OPENING CASH BALANCE | (\$48,889.3) | (\$45,092.4) | (\$40,879.0) | (\$35,987.2) | (\$30,073.8) | (\$23,515.7) | (\$16,342.4) | (\$8,517.4) | |
| 2023 - 2041 RESIDENTIAL FUNDING REQUIREMENTS - Wastewater Services - Facilities Related Debt: Non Inflated | \$515.8 | \$529.9 | \$309.3 | \$71.3 | \$0.0 | \$0.0 | \$0.0 | \$0.0 | \$75,003.3 |
| NEW RESIDENTIAL DEVELOPMENT - Population Growth in New Units | 3,795 | 3,829 | 3,860 | 4,040 | 4,083 | 4,127 | 4,169 | 4,210 | 92,924 |
| REVENUE - DC Receipts: Inflated | \$6,930.3 | \$7,132.3 | \$7,333.8 | \$7,829.3 | \$8,070.9 | \$8,321.0 | \$8,573.8 | \$8,831.3 | \$161,458.5 |
| INTEREST - Interest on Opening Balance - Interest on In-year Transactions - Interest on Debenture Payments | (\$2,688.9) \$112.3 (\$41.0) | (\$2,480.1) \$115.5 (\$24.4) | (\$2,248.3) \$122.9 (\$7.3) | (\$1,979.3) \$135.8 (\$1.1) | (\$1,654.1) \$141.2 \$0.0 | (\$1,293.4) \$145.6 \$0.0 | (\$898.8) \$150.0 \$0.0 | (\$468.5) \$154.5 \$0.0 | (\$45,978.7) \$1,221.3 (\$8,738.9) |
| TOTAL REVENUE | \$4,312.7 | \$4,743.4 | \$5,201.1 | \$5,984.7 | \$6,558.1 | \$7,173.3 | \$7,825.0 | \$8,517.4 | \$107,962.1 |
| CLOSING CASH BALANCE | (\$45,092.4) | (\$40,879.0) | (\$35,987.2) | (\$30,073.8) | (\$23,515.7) | (\$16,342.4) | (\$8,517.4) | \$0.0 | |

(1) DC eligible costs are not inflated as entire capital program relates to debt payments

2023 Adjusted Charge Per Capita \$1,468.72

| Allocation of Capital Program | |
|------------------------------------|-------|
| Residential Sector | 69.1% |
| Non-Residential Sector | 30.9% |
| | |
| Rates for 2023 | |
| Inflation Rate | 2.0% |
| Interest Rate on Positive Balances | 3.5% |
| Interest Rate on Negative Balances | 5.5% |
| | |



CITY OF BARRIE

CASHFLOW AND DETERMINATION OF DEVELOPMENT CHARGE WASTEWATER SERVICES - FACILITIES RELATED DEBT RETAIL DEVELOPMENT CHARGE

(in \$000)

| WASTEWATER SERVICES - FACILITIES RELATED DEBT | 2023 | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | 2030 | 2031 | 2032 |
|---|-------------------------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|--------------------------------|---------------------------------|---------------------------------|---------------------------------|
| OPENING CASH BALANCE | (\$5,795.2) | (\$12,299.4) | (\$13,101.1) | (\$13,836.5) | (\$14,498.1) | (\$15,077.1) | (\$15,565.2) | (\$15,953.0) | (\$15,863.5) | (\$15,364.7) |
| 2023 - 2041 NON-RESIDENTIAL FUNDING REQUIREMENTS - Prior Growth (Funding from DC Reserve Balance) - Wastewater Services - Facilities Related Debt:Non-Inflate | \$0.0 \$6,507.7 | \$0.0 \$744.3 | \$0.0 \$777.5 | \$0.0 \$812.3 | \$0.0 \$848.7 | \$0.0 \$886.8 | \$0.0 \$926.6 | \$0.0 \$607.8 | \$0.0 \$361.7 | \$0.0 \$272.6 |
| NON-RESIDENTIAL SPACE GROWTH - Retail Growth in Square Metres | 24,230 | 26,920 | 29,610 | 32,300 | 35,000 | 37,690 | 40,380 | 43,070 | 45,760 | 43,000 |
| REVENUE - DC Receipts: Inflated | \$785.8 | \$890.5 | \$999.1 | \$1,111.7 | \$1,228.7 | \$1,349.6 | \$1,474.8 | \$1,604.5 | \$1,738.9 | \$1,666.7 |
| INTEREST - Interest on Opening Balance - Interest on In-year Transactions - Interest on Debenture Payments | (\$318.7) (\$157.4) (\$306.2) | (\$676.5) \$2.6 (\$274.0) | (\$720.6) \$3.9 (\$240.4) | (\$761.0) \$5.2 (\$205.2) | (\$797.4) \$6.7 (\$168.3) | (\$829.2) \$8.1 (\$129.8) | (\$856.1) \$9.6 (\$89.5) | (\$877.4) \$17.4 (\$47.3) | (\$872.5) \$24.1 (\$30.0) | (\$845.1) \$24.4 (\$21.1) |
| TOTAL REVENUE | \$3.5 | (\$57.4) | \$42.1 | \$150.7 | \$269.6 | \$398.6 | \$538.9 | \$697.3 | \$860.5 | \$824.9 |
| CLOSING CASH BALANCE | (\$12,299.4) | (\$13,101.1) | (\$13,836.5) | (\$14,498.1) | (\$15,077.1) | (\$15,565.2) | (\$15,953.0) | (\$15,863.5) | (\$15,364.7) | (\$14,812.4) |

| WASTEWATER SERVICES - FACILITIES RELATED DEBT | 2034 | 2035 | 2036 | 2037 | 2038 | 2039 | 2040 | 2041 | TOTAL |
|---|--------------------------------|--------------------------------|--------------------------------|--------------------------------|------------------------------|------------------------------|------------------------------|------------------------------|--|
| OPENING CASH BALANCE | (\$14,043.5) | (\$13,027.9) | (\$11,855.6) | (\$10,451.2) | (\$8,818.3) | (\$6,971.6) | (\$4,908.8) | (\$2,591.1) | |
| 2023 - 2041 NON-RESIDENTIAL FUNDING REQUIREMENTS - Prior Growth (Funding from DC Reserve Balance) - Wastewater Services - Facilities Related Debt:Non-Inflate | \$0.0 \$90.7 | \$0.0 \$93.2 | \$0.0 \$54.4 | \$0.0 \$12.5 | \$0.0 \$0.0 | \$0.0 \$0.0 | \$0.0 \$0.0 | \$0.0 \$0.0 | \$0.0 \$13,188.0 |
| NON-RESIDENTIAL SPACE GROWTH - Retail Growth in Square Metres | 46,000 | 47,500 | 49,500 | 51,000 | 52,500 | 54,000 | 56,000 | 58,000 | 816,960 |
| REVENUE - DC Receipts: Inflated | \$1,855.0 | \$1,953.8 | \$2,076.7 | \$2,182.5 | \$2,291.6 | \$2,404.2 | \$2,543.1 | \$2,686.6 | \$22,677.6 |
| INTEREST - Interest on Opening Balance - Interest on In-year Transactions - Interest on Debenture Payments | (\$772.4) \$30.9 (\$7.2) | (\$716.5) \$32.6 (\$4.3) | (\$652.1) \$35.4 (\$1.3) | (\$574.8) \$38.0 (\$0.2) | (\$485.0) \$40.1 \$0.0 | (\$383.4) \$42.1 \$0.0 | (\$270.0) \$44.5 \$0.0 | (\$142.5) \$47.0 \$0.0 | (\$11,084.9) \$108.8 (\$1,536.6) |
| TOTAL REVENUE | \$1,106.2 | \$1,265.5 | \$1,458.8 | \$1,645.4 | \$1,846.7 | \$2,062.8 | \$2,317.6 | \$2,591.1 | \$10,164.9 |
| CLOSING CASH BALANCE | (\$13,027.9) | (\$11,855.6) | (\$10,451.2) | (\$8,818.3) | (\$6,971.6) | (\$4,908.8) | (\$2,591.1) | \$0.0 | |

⁽¹⁾ DC eligible costs are not inflated as entire capital program relates to debt payments

| 2023 Adjusted Charge Per Square Metre | \$32.43 |
|---------------------------------------|---------|
| | |

| Allocation of Capital Program | |
|------------------------------------|-------|
| Residential Sector | 69.1% |
| Retail Sector | 12.2% |
| Non-Retail Sector | 18.7% |
| | |
| Rates for 2023 | |
| Inflation Rate | 2.0% |
| Interest Rate on Positive Balances | 3.5% |
| Interest Rate on Negative Balances | 5.5% |
| | |



CITY OF BARRIE

CASHFLOW AND DETERMINATION OF DEVELOPMENT CHARGE WASTEWATER SERVICES - FACILITIES RELATED DEBT NON-RETAIL DEVELOPMENT CHARGE

(in \$000)

| WASTEWATER SERVICES - FACILITIES RELATED DEBT | 2023 | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | 2030 | 2031 | 2032 |
|--|-------------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|------------------------------------|------------------------------------|------------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|
| OPENING CASH BALANCE | (\$8,938.1) | (\$18,897.8) | (\$20,049.5) | (\$21,084.5) | (\$21,989.6) | (\$22,751.0) | (\$23,353.8) | (\$23,782.2) | (\$23,453.3) | (\$22,470.3) |
| 2023 - 2041 NON-RESIDENTIAL FUNDING REQUIREMENTS - Prior Growth (Funding from DC Reserve Balance) - Wastewater Services - Facilities Related Debt:Non-Inflated | \$0.0 \$10,037.0 | \$0.0 \$1,147.9 | \$0.0 \$1,199.1 | \$0.0 \$1,252.8 | \$0.0 \$1,308.9 | \$0.0 \$1,367.7 | \$0.0 \$1,429.2 | \$0.0 \$937.4 | \$0.0 \$557.8 | \$0.0 \$420.4 |
| NON-RESIDENTIAL SPACE GROWTH - Non-Retail Growth in Square Metres | 68,370 | 75,970 | 83,560 | 91,160 | 98,760 | 106,360 | 113,950 | 121,550 | 129,140 | 116,050 |
| REVENUE - DC Receipts: Inflated | \$1,281.9 | \$1,452.9 | \$1,630.1 | \$1,813.9 | \$2,004.4 | \$2,201.8 | \$2,406.1 | \$2,617.9 | \$2,837.0 | \$2,600.5 |
| INTEREST - Interest on Opening Balance - Interest on In-year Transactions - Interest on Debenture Payments | (\$491.6) (\$240.8) (\$472.3) | (\$1,039.4) \$5.3 (\$422.7) | (\$1,102.7) \$7.5 (\$370.7) | (\$1,159.6) \$9.8 (\$316.4) | (\$1,209.4) \$12.2 (\$259.6) | (\$1,251.3) \$14.6 (\$200.2) | (\$1,284.5) \$17.1 (\$138.0) | (\$1,308.0) \$29.4 (\$73.0) | (\$1,289.9) \$39.9 (\$46.3) | (\$1,235.9) \$38.2 (\$32.5) |
| TOTAL REVENUE | \$77.3 | (\$3.8) | \$164.1 | \$347.6 | \$547.5 | \$764.9 | \$1,000.8 | \$1,266.4 | \$1,540.7 | \$1,370.2 |
| CLOSING CASH BALANCE | (\$18,897.8) | (\$20,049.5) | (\$21,084.5) | (\$21,989.6) | (\$22,751.0) | (\$23,353.8) | (\$23,782.2) | (\$23,453.3) | (\$22,470.3) | (\$21,520.4) |

| WASTEWATER SERVICES - FACILITIES RELATED DEBT | 2034 | 2035 | 2036 | 2037 | 2038 | 2039 | 2040 | 2041 | TOTAL |
|--|-----------------------------------|----------------------------------|--------------------------------|--------------------------------|------------------------------|------------------------------|------------------------------|------------------------------|--|
| OPENING CASH BALANCE | (\$20,233.0) | (\$18,671.7) | (\$16,893.5) | (\$14,906.0) | (\$12,477.5) | (\$9,787.3) | (\$6,814.8) | (\$3,556.5) | |
| 2023 - 2041 NON-RESIDENTIAL FUNDING REQUIREMENTS - Prior Growth (Funding from DC Reserve Balance) - Wastewater Services - Facilities Related Debt:Non-Inflated | \$0.0 \$139.9 | \$0.0 \$143.7 | \$0.0 \$83.9 | \$0.0 \$19.3 | \$0.0 \$0.0 | \$0.0 \$0.0 | \$0.0 \$0.0 | \$0.0 \$0.0 | \$0.0 \$20,340.1 |
| NON-RESIDENTIAL SPACE GROWTH - Non-Retail Growth in Square Metres | 119,200 | 122,250 | 121,720 | 129,830 | 131,500 | 134,050 | 136,000 | 137,700 | 2,157,070 |
| REVENUE - DC Receipts: Inflated | \$2,779.0 | \$2,907.1 | \$2,952.3 | \$3,212.0 | \$3,318.4 | \$3,450.4 | \$3,570.6 | \$3,687.6 | \$35,438.6 |
| INTEREST - Interest on Opening Balance - Interest on In-year Transactions - Interest on Debenture Payments | (\$1,112.8) \$46.2 (\$11.1) | (\$1,026.9) \$48.4 (\$6.6) | (\$929.1) \$50.2 (\$2.0) | (\$819.8) \$55.9 (\$0.3) | (\$686.3) \$58.1 \$0.0 | (\$538.3) \$60.4 \$0.0 | (\$374.8) \$62.5 \$0.0 | (\$195.6) \$64.5 \$0.0 | (\$16,444.7) \$176.7 (\$2,369.9) |
| TOTAL REVENUE | \$1,701.2 | \$1,921.9 | \$2,071.4 | \$2,447.8 | \$2,690.2 | \$2,972.5 | \$3,258.3 | \$3,556.5 | \$16,800.6 |
| CLOSING CASH BALANCE | (\$18,671.7) | (\$16,893.5) | (\$14,906.0) | (\$12,477.5) | (\$9,787.3) | (\$6,814.8) | (\$3,556.5) | \$0.0 | |

(1) DC eligible costs are not inflated as entire capital program relates to debt payments

2023 Adjusted Charge Per Square Metre \$18.75

| Allocation of Capital Program | | | | | | | |
|------------------------------------|-------|--|--|--|--|--|--|
| Residential Sector | 69.1% | | | | | | |
| Retail Sector | 12.2% | | | | | | |
| Non-Retail Sector | 18.7% | | | | | | |
| | | | | | | | |
| Rates for 2023 | | | | | | | |
| Inflation Rate | 2.0% | | | | | | |
| Interest Rate on Positive Balances | 3.5% | | | | | | |
| Interest Rate on Negative Balances | 5.5% | | | | | | |
| | | | | | | | |



Appendix E Area Specific Development Charge Services



Area Specific Development Charge Services Technical Appendix

This appendix provides an overview of the area-specific development-related capital forecast and development charges calculation. The area-specific charges relate to services provided within the City's Former Municipal Boundary and the Secondary Plan Areas of Salem and Hewitt's (see Map 1).

These areas represent a reasonable basis on which to calculate the areaspecific development charges so that the costs are fairly attributed to the areas that will benefit from them. The following services are charged on an area-specific basis in the two benefitting areas in the City of Barrie and are discussed in this appendix:

Former Municipal Boundary

- E.1 Stormwater Drainage and Control Services
- E.2 Water Services Distribution Systems
- E.3 Wastewater Services Collection Systems

Secondary Plan Area: Salem & Hewitt's

- E.4 Water Services Distribution Systems
- E.5 Wastewater Services Collection Systems



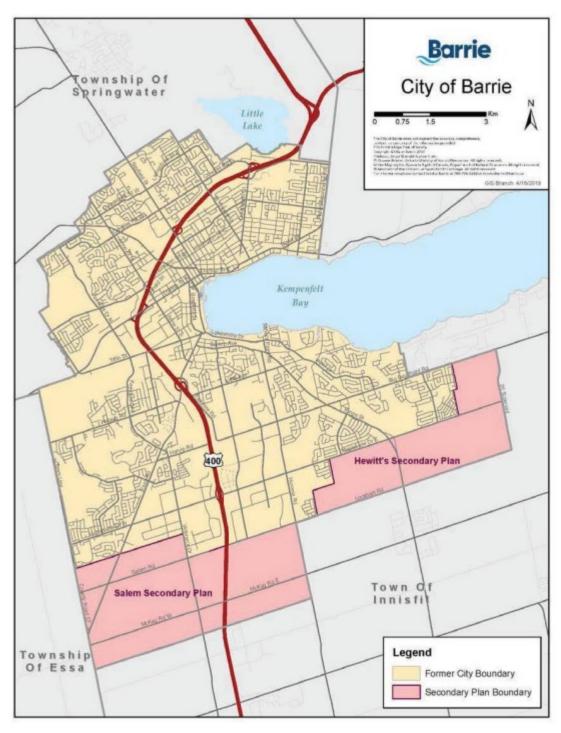


Figure 1: Area-Specific Development Charges Boundary Map

Appendix E.1 Former Municipal Boundary: Stormwater Drainage and Control Services



Stormwater Drainage and Control Services

This appendix provides a brief outline of the infrastructure included in the Stormwater Drainage and Control Services development charge for the Former Municipal Boundary in the City of Barrie. The City has a responsibility to mitigate flooding and protect bodies of water from any harmful stormwater runoff.

The development-related projects outlined in this appendix are required to service the demands of new development to 2041. The benefits of the services are considered to be specific to development occurring within the Former Municipal Boundary for the purposes of calculating the development charge.

The following sections describe the individual components included in the Stormwater Drainage and Control Services category. The analysis is set out in the tables which follow. The tables include:

Table E.1-1 2023-2041 Development-Related Capital Forecast and Calculation of the Discounted Growth-Related Net Capital Costs

Table E.1-2 Cash Flow Analysis

A. Development-Related Capital Program

i. Gross Capital Program Costs

The total gross cost of the Stormwater Drainage capital program is \$455.30 million and provides for the undertaking of various pond retrofits, culverts, watercourse improvements and other infrastructure located across the Former Municipal Boundary.



The capital program also makes an adjustment for shares of projects which have previously been funded from development charges. In total, approximately \$6.93 million is reduced from the total gross capital costs.

ii. Grants, Subsidies and Other Recoveries

No grants, subsidies or other recoveries are identified for Roads infrastructure.

iii. Replacement and Benefit to Existing Shares

The capital program includes a portion that is considered to benefit the existing community. In totality, the benefit to existing share amounts to \$340.47 million and is netted off of the DC eligible costs and have been calculated based on shares of population and employment growth in the Former Municipal Boundary over the planning period to 2041.

iv. Available DC Reserve Funds

In total, \$4.84 million is available in the Stormwater Drainage DC reserve. The reserve fund balance associated with the Whiskey Creek Stormwater Ponds and Downstream Conveyance Works has been combined with Former Boundary - Stormwater Drainage and Control Services reserve fund for the purposes of the development charge rate calculation as the Whiskey Creek area-specific charge as been removed as part of this study

The available reserve fund balance is applied to projects occurring in the initial years of the planning period and is reduced from the in-period DC recoverable share.

v. Other Development-Related / Post-Period Benefit Shares

The projects included in the capital program are required to service growth over the planning horizon. Therefore, no post-period shares of projects have been identified.



vi. 2023-2041 DC Eligible Development Related Costs

After making adjustments for available DC reserve balance and the development charge recoverable share of the capital program is \$109.99 million.

The development-related cost has been allocated 80.9% (\$89.04 million) to new residential development, 7.9% (\$8.74 million) to new retail development and 11.1% (\$12.22 million) to new non-retail development. The allocation of costs is based on shares of population and employment growth over the planning period. This yields an unadjusted development charge of \$1,838.22 per capita, \$14.27 per square metre of retail gross floor area and \$9.91 of non-retail gross floor area.

B. Cash Flow Analysis

The long-term cash-flow analysis takes into consideration expenditure timing and revenue projections. The effect of the analysis is a decrease in the residential development charge rates to \$1,832.10 per capita. The adjusted retail cash-flow amounts to \$14.69 per square metre of gross floor area and non-retail amounts to \$10.04 per square metre.

The following table summarizes the calculation of the Stormwater Drainage and Control development charge:

STORMWATER DRAINAGE AND CONTROL SERVICES SUMMARY

2023 - 2041 Development-Related Capital Program

Total

\$455,298,705

Net DC Recoverable \$109,992,704 \$/capita \$1.838.22 Unadjusted
Development Charge
Retail \$/sq.m

\$14.27

Non-Retail\$/sq.m \$9.91 \$/capita \$1.832.10 Adjusted
Development Charge
Retail \$/sq.m

\$14.69

q.m Non- Retail \$/sq.m \$10.04



CITY OF BARRIE AREA-SPECIFIC DEVELOPMENT CHARGES FORMER CITY OF BARRIE

DEVELOPMENT-RELATED CAPITAL PROGRAM STORMWATER DRAINAGE AND CONTROL SERVICES

| | | Gross | Grants/ | | Net | Ineligib | le Cos | sts | Total | | | DC Eli | igible Costs | |
|---|-------------|---------------|-----------------|------|------------|--------------|--------|-----------|-----------|-----|--------------|--------|--------------|-------|
| Project Description | Timing | Project | Subsidies/Other | Mu | unicipal | Replacement | | placement | DC Eligib | le | Available | | 2023- | Post |
| | | Cost | Recoveries | | Cost | & BTE Shares | & B | TE Shares | Costs | | DC Reserves | | 2041 | 2041* |
| STORMWATER DRAINAGE AND CONTROL SERVICES | | | | | | | | | | | | | | |
| 1.0 Stormwater Drainage and Ponds | | | | | | | | | | | | | | |
| 1.1.1 Kidds Creek Pond Retrofit (KD06) | 2023 - 2023 | \$ 6,924,877 | \$ - | \$ | 6,924,877 | 74% | \$ | 5,100,698 | \$ 1,824 | 179 | \$ 1,824,179 | \$ | - | \$ |
| 1.1.2 Kidds Creek Pond Retrofit (KD05) | 2023 - 2041 | \$ 2,384,994 | \$ - | \$ | 2,384,994 | 74% | \$ | 1,756,729 | \$ 628 | 265 | \$ 628,265 | \$ | - | \$ |
| 1.1.3 Kidds Creek Pond Retrofit (KD03) | 2023 - 2023 | \$ 2,814,506 | \$ - | \$ | 2,814,506 | 74% | \$ | 2,073,097 | \$ 741, | 409 | \$ 741,409 | \$ | - | \$ |
| 1.1.4 Kidds Creek Watercourse Improvements - Lillian Outfall to Cundles | 2023 - 2023 | \$ 2,486,122 | \$ - | \$ | 2,486,122 | 74% | \$ | 1,831,218 | \$ 654 | 904 | \$ 654,904 | \$ | - | \$ |
| 1.1.5 Kidds Creek Culvert Replacement - Cundles Road, 400 m west of Coulter | 2031 - 2041 | \$ 3,199,727 | \$ - | \$ | 3,199,727 | 74% | \$ | 2,356,842 | \$ 842, | 885 | \$ - | \$ | 842,885 | \$ |
| 1.1.6 Kidds Creek Watercourse Improvements - Cundles to Hwy 400 | 2031 - 2041 | \$ 2,790,924 | \$ - | \$ | 2,790,924 | 74% | \$ | 2,055,727 | \$ 735, | 197 | \$ - | \$ | 735,197 | \$ |
| 1.1.7 Kidds Creek Culvert Replacement - Thomson Street, 75 m south of Wellington | 2023 - 2025 | \$ 2,307,325 | \$ - | \$ | 2,307,325 | 74% | \$ | 1,699,520 | \$ 607, | 805 | \$ - | \$ | 607,805 | \$ |
| 1.1.8 Kidds Creek Trunk Sewer - High Flow Diversion, Thomson St, Florence St, Park St, Eccles | 2023 - 2025 | \$ 3,072,399 | \$ - | \$ | 3,072,399 | 74% | \$ | 2,263,055 | \$ 809, | 344 | \$ - | \$ | 809,344 | \$ |
| 1.1.9 Kidds Creek Watercourse Improvements - Thomas St to Eccles St. | 2031 - 2041 | \$ 2,349,824 | \$ - | \$ | 2,349,824 | 74% | \$ | 1,730,824 | \$ 619 | 000 | \$ - | \$ | 619,000 | \$ |
| 1.1.10 Kidds Creek Culvert Replacement - Wellington St, 100 m West of Eccles | 2031 - 2041 | \$ 288,211 | \$ - | \$ | 288,211 | 74% | \$ | 212,289 | \$ 75, | 922 | \$ - | \$ | 75,922 | \$ |
| 1.1.11 Kidds Creek Watercourse Improvements - Eccles St. to Donald Street to Eccles Street | 2031 - 2041 | \$ 2,577,915 | \$ - | \$ | 2,577,915 | 74% | \$ | 1,898,830 | \$ 679, | 085 | \$ - | \$ | 679,085 | \$ |
| 1.1.12 Kidds Creek Watercourse Improvements - Eccles St. to Dunlop Street | 2031 - 2041 | \$ 3,891,006 | \$ - | \$ | 3,891,006 | 74% | \$ | 2,866,021 | \$ 1,024 | 985 | \$ - | \$ | 1,024,985 | \$ |
| 1.1.13 Kidds Creek Culvert Replacement - Dunlop Street, 30 m west of Parkside Dr | 2023 - 2024 | \$ 6,260,086 | \$ - | \$ | 6,260,086 | 74% | \$ | 4,611,028 | \$ 1,649 | 058 | \$ 988,329 | \$ | 660,729 | \$ |
| 1.1.14 Kidds Creek Watercourse Improvements - Dunlop St. to Bradford St. | 2023 - 2024 | \$ 1,395,621 | \$ - | \$ | 1,395,621 | 74% | \$ | 1,027,981 | \$ 367, | 640 | \$ - | \$ | 367,640 | \$ |
| 1.1.15 Kidds Creek Trunk Sewer - Extension across Bradford St. | 2023 - 2024 | \$ 3,840,213 | \$ - | \$ | 3,840,213 | 74% | \$ | 2,828,609 | \$ 1,011, | 604 | \$ - | \$ | 1,011,604 | \$ |
| 1.1.16 Bunkers Creek Pond Retrofit (BK03) | 2031 - 2041 | \$ 4,877,385 | \$ - | \$ | 4,877,385 | 74% | \$ | 3,592,564 | \$ 1,284 | 821 | \$ - | \$ | 1,284,821 | \$ |
| 1.1.17 Bunkers Creek Trunk Sewer - High Flow Diversion, Anne Street from BK03 to Edgehill Dr. | 2031 - 2041 | \$ 9,619,715 | \$ - | \$ | 9,619,715 | 74% | \$ | 7,085,651 | \$ 2,534 | 064 | \$ - | \$ | 2,534,064 | \$ |
| 1.1.18 Bunkers Creek Watercourse Improvements - Shirley Ave to Hwy 400 | 2031 - 2041 | \$ 1,596,101 | \$ - | \$ | 1,596,101 | 74% | \$ | 1,175,650 | \$ 420, | 451 | \$ - | \$ | 420,451 | \$ |
| 1.1.19 Bunkers Creek Watercourse Improvements - Edgehill outfall to Highway 400 | 2031 - 2041 | \$ 609,869 | \$ - | \$ | 609,869 | 74% | \$ | 449,214 | \$ 160, | 655 | \$ - | \$ | 160,655 | \$ |
| 1.1.20 Bunkers Creek Trunk Sewer - Dunlop Street, Anne Street | 2031 - 2041 | \$ 5,285,371 | \$ - | \$ | 5,285,371 | 74% | \$ | 3,893,077 | \$ 1,392 | 294 | \$ - | \$ | 1,392,294 | \$ |
| 1.1.21 Bunkers Creek Watercourse Improvements - Anne St to Innisfil St | 2031 - 2041 | \$ 1,639,166 | \$ - | \$ | 1,639,166 | 74% | \$ | 1,207,370 | \$ 431, | 796 | \$ - | \$ | 431,796 | \$ |
| 1.1.22 Bunkers Creek Habitat Improvement Project - Milligan's Pond | 2023 - 2023 | \$ 3,488,628 | \$ - | \$ | 3,488,628 | 74% | \$ | 2,569,640 | \$ 918, | 988 | \$ - | \$ | 918,988 | \$ |
| 1.1.23 St | 2023 - 2023 | \$ 2,163,495 | \$ - | \$ | 2,163,495 | 74% | \$ | 1,593,579 | \$ 569, | 916 | \$ - | \$ | 569,916 | \$ |
| 1.1.24 Bunkers Creek Watercourse Improvements - Bradford St to Lakeshore Dr. | 2031 - 2041 | \$ 5,198,095 | \$ - | \$ | 5,198,095 | 74% | \$ | 3,828,792 | \$ 1,369 | 303 | \$ - | \$ | 1,369,303 | \$ |
| 1.1.25 Bunkers Creek Watercourse Improvements - Sproul Dr to Industrial Dr | 2031 - 2041 | \$ 1,312,503 | \$ - | \$ | 1,312,503 | 74% | \$ | 966,758 | \$ 345, | 745 | \$ - | \$ | 345,745 | \$ |
| 1.1.26 Dyments Creek Pond Construction - West of Ferndale Industrial Drive | 2024 - 2024 | \$ 10,720,523 | \$ - | \$ 1 | 10,720,523 | 74% | \$ | 7,896,479 | \$ 2,824 | 044 | \$ - | \$ | 2,824,044 | \$ |
| 1.1.27 Dyments Creek Watercourse Improvements - Dunlop St to Ferndale Drive | 2031 - 2041 | \$ 6,499,125 | \$ - | \$ | 6,499,125 | 74% | \$ | 4,787,099 | \$ 1,712 | 026 | \$ - | \$ | 1,712,026 | \$ |



CITY OF BARRIE AREA-SPECIFIC DEVELOPMENT CHARGES FORMER CITY OF BARRIE DEVELOPMENT-RELATED CAPITAL PROGRAM

STORMWATER DRAINAGE AND CONTROL SERVICES

| | | Gross | Grants/ | | Net | Ineligib | le Co | osts | | Total | | DC | Eligible Costs | |
|--|-------------|---------------|----------------|----|------------|--------------|-------|------------|----|------------|-------------|----|----------------|-------|
| pject Description | Timing | Project | Subsidies/Othe | r | Municipal | Replacement | Re | placement | D | C Eligible | Available | | 2023- | Post |
| | | Cost | Recoveries | | Cost | & BTE Shares | & I | BTE Shares | | Costs | DC Reserves | | 2041 | 2041* |
| | | | | | | | | | | | | | | |
| 1.1.28 Dyments Creek Culvert Replacement - Ferndale Dr, 90m south of Dunlop | 2031 - 2041 | \$ 3,172,700 | \$ - | \$ | 3,172,700 | 74% | \$ | 2,336,934 | \$ | 835,766 | \$ - | \$ | 835,766 | \$ |
| 1.1.29 Dyments Creek Watercourse Improvements - Ferndale Dr to Sergeant Dr | 2031 - 2041 | \$ 7,071,475 | \$ - | \$ | 7,071,475 | 74% | \$ | 5,208,678 | \$ | 1,862,797 | \$ - | \$ | 1,862,797 | \$ |
| 1.1.30 Dyments Creek Trunk Sewer Improvements - Sarjeant Dr, Dunlop St to outfall | 2031 - 2041 | \$ 11,112,287 | \$ - | \$ | 11,112,287 | 74% | \$ | 8,185,043 | \$ | 2,927,244 | \$ - | \$ | 2,927,244 | \$ |
| 1.1.31 Dyments Creek Culvert Replacement - Hwy 400 and Hart Dr - Hart Culvert | 2027 - 2027 | \$ 3,817,658 | \$ - | \$ | 3,817,658 | 74% | \$ | 2,811,995 | \$ | 1,005,663 | \$ - | \$ | 1,005,663 | \$ |
| 1.1.32 Dyments Creek Culvert Replacement - Hwy 400 and Hart Dr - Channel Works | 2031 - 2041 | \$ 1,374,283 | \$ - | \$ | 1,374,283 | 74% | \$ | 1,012,264 | \$ | 362,019 | \$ - | \$ | 362,019 | \$ |
| 1.1.33 Dyments Creek Culvert Replacement - George St. 375m west of Anne St. | 2027 - 2027 | \$ 2,282,278 | \$ - | \$ | 2,282,278 | 74% | \$ | 1,681,071 | \$ | 601,207 | \$ - | \$ | 601,207 | \$ |
| 1.1.34 Dyments Creek Watercourse Improvements - George St to Victoria St. | 2031 - 2041 | \$ 2,090,357 | \$ - | \$ | 2,090,357 | 74% | \$ | 1,539,707 | \$ | 550,650 | \$ - | \$ | 550,650 | \$ |
| 1.1.35 Dyments Creek Pond Retrofits (DY01) - including removing Victoria culvert | 2025 - 2025 | \$ 8,860,377 | \$ - | \$ | 8,860,377 | 74% | \$ | 6,526,340 | \$ | 2,334,037 | \$ - | \$ | 2,334,037 | \$ |
| 1.1.36 Dyments Creek Culvert Replacement - Anne St to John St to outfall | 2026 - 2026 | \$ 8,542,507 | \$ - | \$ | 8,542,507 | 74% | \$ | 6,292,205 | \$ | 2,250,302 | \$ - | \$ | 2,250,302 | \$ |
| 1.1.37 Dyments Creek Watercourse Improvements - John St to Innisfil St | 2031 - 2041 | \$ 212,036 | \$ - | \$ | 212,036 | 74% | \$ | 156,181 | \$ | 55,855 | \$ - | \$ | 55,855 | \$ |
| 1.1.38 Dyments Creek Culvert Replacement - Sanford Street, 175m south of John St | 2023 - 2024 | \$ 7,666,423 | \$ - | \$ | 7,666,423 | 74% | \$ | 5,646,903 | \$ | 2,019,520 | \$ - | \$ | 2,019,520 | \$ |
| 1.1.39 Dyments Creek Watercourse Improvements - Bradford St to Ellen St | 2023 - 2023 | \$ 2,171,249 | \$ - | \$ | 2,171,249 | 74% | \$ | 1,599,289 | \$ | 571,960 | \$ - | \$ | 571,960 | \$ |
| 1.1.40 Hotchkiss Creek Culvert Replacement - Mayfair Dr, 180m east of Florence Park Rd | 2031 - 2041 | \$ 486,208 | \$ - | \$ | 486,208 | 74% | \$ | 358,129 | \$ | 128,079 | \$ - | \$ | 128,079 | \$ |
| 1.1.41 Hotchkiss Creek Stormwater Pond - 85 Morrow Road | 2031 - 2041 | \$ 11,565,140 | \$ - | \$ | 11,565,140 | 74% | \$ | 8,518,604 | \$ | 3,046,536 | \$ - | \$ | 3,046,536 | \$ |
| 1.1.42 Hotchkiss Creek Stormwater Pond - Hwy 400 to Wood St | 2023 - 2024 | \$ 19,020,347 | \$ - | \$ | 19,020,347 | 74% | \$ | 14,009,930 | \$ | 5,010,417 | \$ - | \$ | 5,010,417 | \$ |
| 1.1.43 Hotchkiss Creek Stormwater Pond - Wood St to Jacob's Terr. | 2023 - 2024 | \$ 1,644,683 | \$ - | \$ | 1,644,683 | 74% | \$ | 1,211,434 | \$ | 433,249 | \$ - | \$ | 433,249 | \$ |
| 1.1.44 Hotchkiss Creek Culvert Replacement - BCRY, Jacob's Terr to Tiffin St | 2023 - 2024 | \$ 4,918,651 | \$ - | \$ | 4,918,651 | 74% | \$ | 3,622,960 | \$ | 1,295,691 | \$ - | \$ | 1,295,691 | \$ |
| 1.1.45 Hotchkiss Creek Watercourse Improvements - Tiffin to Anne St | 2031 - 2041 | \$ 5,336,730 | \$ - | \$ | 5,336,730 | 74% | \$ | 3,930,907 | \$ | 1,405,823 | \$ - | \$ | 1,405,823 | \$ |
| 1.1.46 Hotchkiss Creek Culvert Replacement - Anne St, 60m north of Tiffin St | 2026 - 2027 | \$ 3,189,887 | \$ - | \$ | 3,189,887 | 74% | \$ | 2,349,594 | \$ | 840,293 | \$ - | \$ | 840,293 | \$ |
| 1.1.47 Hotchkiss Creek Watercourse Improvements - Anne St to 100m east of Anne St | 2031 - 2041 | \$ 4,013,376 | \$ - | \$ | 4,013,376 | 74% | \$ | 2,956,156 | \$ | 1,057,220 | \$ - | \$ | 1,057,220 | \$ |
| 1.1.48 Hotchkiss Creek Watercourse Improvements - Innisfil St to Bradford St | 2031 - 2041 | \$ 973,916 | \$ - | \$ | 973,916 | 74% | \$ | 717,363 | \$ | 256,553 | \$ - | \$ | 256,553 | \$ |
| 1.1.49 Hotchkiss Creek Trunk Sewer - Essa Rd, Innisfil St to 250m south of Anne | 2031 - 2041 | \$ 2,781,710 | \$ - | \$ | 2,781,710 | 74% | \$ | 2,048,941 | \$ | 732,769 | \$ - | \$ | 732,769 | \$ |
| 1.1.50 Whiskey Creek Watercourse Improvements - Bayview Dr to 279 Bayview Dr property | 2027 - 2027 | \$ 2,344,737 | \$ - | \$ | 2,344,737 | 74% | \$ | 1,727,077 | \$ | 617,660 | \$ - | \$ | 617,660 | \$ |
| 1.1.51 Whiskey Creek Watercourse Improvements - Around 279 Bayview Dr. | 2027 - 2027 | \$ 10,968,383 | \$ - | \$ | 10,968,383 | 74% | \$ | 8,079,047 | \$ | 2,889,336 | \$ - | \$ | 2,889,336 | \$ |
| 1.1.52 Whiskey Creek Stormwater Pond - Emergency Campus Pond, south of Chieftain Cres | 2031 - 2041 | \$ 1,772,888 | \$ - | \$ | 1,772,888 | 74% | \$ | 1,305,866 | \$ | 467,022 | \$ - | \$ | 467,022 | \$ |
| 1.1.53 Whiskey Creek Watercourse Improvements - Bayview Dr, 160m north of Mollard Crt | 2027 - 2027 | \$ 642,469 | \$ - | \$ | 642,469 | 74% | \$ | 473,227 | \$ | 169,242 | \$ - | \$ | 169,242 | \$ |
| 1.1.54 Whiskey Creek Watercourse Improvements - Bayview Dr, South of Wilson Crt | 2027 - 2027 | \$ 385,906 | \$ - | \$ | 385,906 | 74% | \$ | 284,249 | \$ | 101,657 | \$ - | \$ | 101,657 | \$ |
| 1.1.55 Whiskey Creek Culvert Replacement - BCRY, 50m south of Little Ave | 2031 - 2041 | \$ 1,043,747 | \$ - | \$ | 1,043,747 | 74% | \$ | 768,799 | \$ | 274,948 | \$ - | \$ | 274,948 | \$ |
| 1.1.56 Whiskey Creek Watercourse Improvements - Little Ave to WK01 | 2027 - 2027 | \$ 1,368,537 | \$ - | \$ | 1,368,537 | 74% | \$ | 1,008,031 | \$ | 360,506 | \$ - | \$ | 360,506 | \$ |
| 1.1.57 Whiskey Creek Pond Retrofit (WK01) | 2031 - 2041 | \$ 1,919,427 | \$ - | \$ | 1,919,427 | 74% | \$ | 1,413,804 | \$ | 505,623 | \$ - | \$ | 505,623 | \$ |
| 1.1.58 Whiskey Creek Watercourse Improvements - Little Ave to 200m north | 2031 - 2041 | \$ 5,194,694 | \$ - | \$ | 5,194,694 | 74% | \$ | 3,826,287 | \$ | 1,368,407 | \$ - | \$ | 1,368,407 | \$ |
| 1.1.59 Whiskey Creek Watercourse Improvements - Hurst Dr to The Boulevard | 2031 - 2041 | \$ 2,960,310 | \$ - | \$ | 2,960,310 | 74% | \$ | 2,180,493 | \$ | 779,817 | \$ - | \$ | 779,817 | \$ |



CITY OF BARRIE AREA-SPECIFIC DEVELOPMENT CHARGES FORMER CITY OF BARRIE

DEVELOPMENT-RELATED CAPITAL PROGRAM STORMWATER DRAINAGE AND CONTROL SERVICES

| oject Description | | | Gross | Grants/ | | Net | Ineligib | ie Cc | osts | | Total | | DC | Eligible Costs | |
|--|---------|--------|------------------|-----------------|----|------------|--------------|-------|------------|----|------------|-------------|----|----------------|---------|
| | 1 | Timing | Project | Subsidies/Other | - | Municipal | Replacement | | placement | D | C Eligible | Available | | 2023- | Post |
| | | | Cost | Recoveries | | Cost | & BTE Shares | & I | BTE Shares | | Costs | DC Reserves | | 2041 | 2041* |
| | | | | | | | | | | | | | | | |
| 1.1.60 Whiskey Creek Culvert Replacement - The Boulevard, 20m east of White Oaks Rd | 2025 | - 2025 | \$ 2,842,368 | \$ - | \$ | 2,842,368 | 74% | \$ | 2,093,620 | \$ | 748,748 | \$ - | \$ | 748,748 | \$ - |
| 1.1.61 Whiskey Creek Watercourse Improvements - The Boulevard to Brennan Ave | 2025 | - 2025 | \$ 3,410,032 | \$ - | \$ | 3,410,032 | 74% | \$ | 2,511,748 | \$ | 898,284 | \$ - | \$ | 898,284 | \$ - |
| 1.1.62 Whiskey Creek Culvert Replacement - Brennan Ave, 20m east of White Oaks Rd | 2024 | - 2024 | \$ 2,663,766 | \$ - | \$ | 2,663,766 | 74% | \$ | 1,962,066 | \$ | 701,700 | \$ - | \$ | 701,700 | \$ - |
| 1.1.63 Whiskey Creek Watercourse Improvements - Brennan Ave to Lake Simcoe | 2023 | - 2023 | \$ 3,445,445 | \$ - | \$ | 3,445,445 | 74% | \$ | 2,537,832 | \$ | 907,613 | \$ - | \$ | 907,613 | \$ - |
| 1.1.64 Lovers Creek Pond Retrofit (LV17) | 2031 | - 2041 | \$ 871,521 | \$ - | \$ | 871,521 | 74% | \$ | 641,941 | \$ | 229,580 | \$ - | \$ | 229,580 | \$ - |
| 1.1.65 Lovers Creek Pond Retrofit (LV07) | 2031 | - 2041 | \$ 6,391,713 | \$ - | \$ | 6,391,713 | 74% | \$ | 4,707,982 | \$ | 1,683,731 | \$ - | \$ | 1,683,731 | \$ - |
| 1.1.66 Lovers Creek Culvert Replacement - BCRY at Lockhard Rd. | 2031 | - 2041 | \$ 2,541,630 | \$ - | \$ | 2,541,630 | 74% | \$ | 1,872,103 | \$ | 669,527 | \$ - | \$ | 669,527 | \$ - |
| 1.1.67 Lovers Creek Pond Retrofit (LV05) | 2023 | - 2023 | \$ 3,490,113 | \$ - | \$ | 3,490,113 | 74% | \$ | 2,570,733 | \$ | 919,380 | \$ - | \$ | 919,380 | \$ - |
| 1.1.68 Lovers Creek Culvert Replacement - BCRY, 60m south of Mapleview | 2031 | - 2041 | \$ 1,714,523 | \$ - | \$ | 1,714,523 | 74% | \$ | 1,262,876 | \$ | 451,647 | \$ - | \$ | 451,647 | \$ - |
| 1.1.69 Lovers Creek Culvert Replacement - Ellis Dr, 120m west of Welham Rd | 2031 | - 2041 | \$ 859,044 | \$ - | \$ | 859,044 | 74% | \$ | 632,751 | \$ | 226,293 | \$ - | \$ | 226,293 | \$ - |
| 1.1.70 Lovers Creek Pond Retrofit (LV02) | 2031 | - 2041 | \$ 3,997,472 | \$ - | \$ | 3,997,472 | 74% | \$ | 2,944,442 | \$ | 1,053,030 | \$ - | \$ | 1,053,030 | \$ - |
| 1.1.71 Lovers Creek Pond Retrofit (LV03) | 2031 | - 2041 | \$ 694,312 | \$ - | \$ | 694,312 | 74% | \$ | 511,413 | \$ | 182,899 | \$ - | \$ | 182,899 | \$ - |
| 1.1.72 Lovers Creek Trunk Sewer - Esther Dr. Dean Ave to SWM pond LV19 | 2031 | - 2041 | \$ 22,091,789 | \$ - | \$ | 22,091,789 | 74% | \$ | 16,272,280 | \$ | 5,819,509 | \$ - | \$ | 5,819,509 | \$ - |
| 1.1.73 Lovers Creek Watercourse Improvements - LV13 to Metrolinx | 2023 | - 2023 | \$ 2,120,890 | \$ - | \$ | 2,120,890 | 74% | \$ | 1,562,197 | \$ | 558,693 | \$ - | \$ | 558,693 | \$ - |
| 1.1.74 Lovers Creek Watercourse Improvements - 50m upstream of Tollendal Mill Rd. | 2023 | - 2023 | \$ 2,692,274 | \$ - | \$ | 2,692,274 | 74% | \$ | 1,983,064 | \$ | 709,210 | \$ - | \$ | 709,210 | \$ - |
| 1.1.75 Lovers Creek Culvert Replacement - Tollendale Mill Rd, 150m west of Cox Mill Rd | 2023 | - 2023 | \$ 1,942,428 | \$ - | \$ | 1,942,428 | 74% | \$ | 1,430,746 | \$ | 511,682 | \$ - | \$ | 511,682 | \$ - |
| 1.1.76 Hewitts Creek Trunk Sewer - Princess Margert and Camelot Sq | 2031 | - 2041 | \$ 4,554,652 | \$ - | \$ | 4,554,652 | 74% | \$ | 3,354,847 | \$ | 1,199,805 | \$ - | \$ | 1,199,805 | \$ - |
| 1.1.77 Georgian Creek Trunk Sewer - Johnson St, Grove St, Hickling Trail | 2031 | - 2041 | \$ 18,727,354 | \$ - | \$ | 18,727,354 | 74% | \$ | 13,794,118 | \$ | 4,933,236 | \$ - | \$ | 4,933,236 | \$ - |
| 1.1.78 Georgian Creek Trunk Sewer - Harrogate Crt, Johnson St, Cheltenham Rd, Larkin Dr, Quinlan | Rd 2031 | - 2041 | \$ 23,466,192 | \$ - | \$ | 23,466,192 | 74% | \$ | 17,284,632 | \$ | 6,181,560 | \$ - | \$ | 6,181,560 | \$ - |
| 1.1.79 Georgian Creek Culvert Replacement - Penetanguishine Rd, 360m north of Grove | 2031 | - 2041 | \$ 929,269 | \$ - | \$ | 929,269 | 74% | \$ | 684,477 | \$ | 244,792 | \$ - | \$ | 244,792 | \$ - |
| 1.1.80 Little Lake Watershed Trunk Sewer - Cardinal Rd, Simpson St to LT01 | 2031 | - 2041 | \$ 10,559,637 | \$ - | \$ | 10,559,637 | 74% | \$ | 7,777,974 | \$ | 2,781,663 | \$ - | \$ | 2,781,663 | \$ - |
| 1.1.81 Little Lake Watershed Pond Retrofit (LT01) | 2031 | - 2041 | \$ 12,298,560 | \$ - | \$ | 12,298,560 | 74% | \$ | 9,058,823 | \$ | 3,239,737 | \$ - | \$ | 3,239,737 | \$ |
| 1.1.82 Ridge Rd | 2031 | - 2041 | \$ 230,059 | \$ - | \$ | 230,059 | 74% | \$ | 169,456 | \$ | 60,603 | \$ - | \$ | 60,603 | \$ |



CITY OF BARRIE AREA-SPECIFIC DEVELOPMENT CHARGES FORMER CITY OF BARRIE

DEVELOPMENT-RELATED CAPITAL PROGRAM STORMWATER DRAINAGE AND CONTROL SERVICES

| | | Gross | Grants/ | Net | Ineligil | ole Costs | Total | | DC Eligible Costs | i |
|--|-------------|----------------|-----------------|--------------|--------------|----------------|----------------|--------------|-------------------|-------|
| Project Description | Timing | Project | Subsidies/Other | Municipal | Replacement | Replacement | DC Eligible | Available | 2023- | Post |
| | | Cost | Recoveries | Cost | & BTE Shares | & BTE Shares | Costs | DC Reserves | 2041 | 2041* |
| | | | | | | | | | | |
| 1.1.83 Bear Creek Pond Retrofit (BR08B) | 2031 - 2041 | \$ 1,533,815 | \$ - | \$ 1,533,8 | 5 74% | \$ 1,129,772 | \$ 404,043 | \$ - | \$ 404,043 | \$ |
| 1.1.84 Bear Creek Culvert Replacement - Ardagh Rd, 260m west of Ferndale Dr | 2031 - 2041 | \$ 663,800 | \$ - | \$ 663,8 | 74% | \$ 488,939 | \$ 174,861 | \$ - | \$ 174,861 | \$ |
| 1.1.85 Bear Creek Watercourse Improvements - Ardagh Rd to Mckenzie Cres | 2031 - 2041 | \$ 447,396 | \$ - | \$ 447,3 | 74% | \$ 329,541 | \$ 117,855 | \$ - | \$ 117,855 | \$ |
| 1.1.86 Bear Creek Culvert Replacement - County Rd 27, north of rail | 2031 - 2041 | \$ 147,170 | \$ - | \$ 147,1 | 74% | \$ 108,402 | \$ 38,768 | \$ - | \$ 38,768 | \$ |
| 1.1.87 Johnson Drainage Area Trunk Sewer - Johnston Street , Steel St to Lake Simcoe | 2031 - 2041 | \$ 9,334,302 | \$ - | \$ 9,334,3 | 74% | \$ 6,875,422 | \$ 2,458,880 | \$ - | \$ 2,458,880 | \$ |
| 1.1.88 Nelson Drainage Area Trunk Sewer - Blake St, Downsview Dr to Puget St. | 2031 - 2041 | \$ 815,433 | \$ - | \$ 815,4 | 74% | \$ 600,628 | \$ 214,805 | \$ - | \$ 214,805 | \$ |
| 1.1.89 Sophia Creek Pond Retrofit (SP03) | 2023 - 2023 | \$ 3,806,921 | \$ - | \$ 3,806,9 | 1 74% | \$ 2,804,086 | \$ 1,002,835 | \$ - | \$ 1,002,835 | \$ |
| 1.1.90 Sophia Creek Pond Retrofit (SP01) | 2023 - 2023 | \$ 9,851,580 | \$ - | \$ 9,851,5 | 74% | \$ 7,256,437 | \$ 2,595,143 | \$ - | \$ 2,595,143 | \$ |
| 1.1.91 Sophia Creek Watercourse Improvement - Howard to Lay | 2031 - 2041 | \$ 241,591 | \$ - | \$ 241,5 | 1 74% | \$ 177,950 | \$ 63,641 | \$ - | \$ 63,641 | \$ |
| 1.1.92 Sophia Creek Watercourse Improvement (D/S of Lay St.) | 2031 - 2041 | \$ 242,522 | \$ - | \$ 242,5 | 74% | \$ 178,636 | \$ 63,886 | \$ - | \$ 63,886 | \$ |
| 1.1.93 Sophia Creek Watercourse Improvement - U/S & D/S of Grove St. | 2031 - 2031 | \$ 1,746,478 | \$ - | \$ 1,746,4 | 74% | \$ 1,286,414 | \$ 460,064 | \$ - | \$ 460,064 | \$ |
| 1.1.94 Sophia Creek Watercourse Improvement - Ottaway Ave. to Laurie Cres. | 2031 - 2041 | \$ 2,991,286 | \$ - | \$ 2,991,2 | 74% | \$ 2,203,309 | \$ 787,977 | \$ - | \$ 787,977 | \$ |
| 1.1.95 Sophia Creek Watercourse Improvement - Grove St. to Parkdale Cres. | 2031 - 2041 | \$ 226,030 | \$ - | \$ 226,0 | 74% | \$ 166,489 | \$ 59,541 | \$ - | \$ 59,541 | \$ |
| 1.1.96 Sophia Creek Watercourse Improvement - Berczy St. to Queen St. | 2031 - 2041 | \$ 6,059,933 | \$ - | \$ 6,059,9 | 3 74% | \$ 4,463,601 | \$ 1,596,332 | \$ - | \$ 1,596,332 | \$ |
| 1.1.97 Sophia Creek Culvert Improvement - St. Vincent St, 60m north of Grove | 2031 - 2041 | \$ 1,537,207 | \$ - | \$ 1,537,2 | 74% | \$ 1,132,269 | \$ 404,938 | \$ - | \$ 404,938 | \$ |
| 1.1.98 Sophia Creek Culvert Improvement - Grove St, 230m east of St. Vincent | 2031 - 2041 | \$ 753,805 | \$ - | \$ 753,8 | 74% | \$ 555,235 | \$ 198,570 | \$ - | \$ 198,570 | \$ |
| 1.1.99 Sophia Creek Culvert Improvement - Grove St, 60m east of St. Vincent | 2031 - 2041 | \$ 653,513 | \$ - | \$ 653,5 | 3 74% | \$ 481,362 | \$ 172,151 | \$ - | \$ 172,151 | \$ |
| 1.1.100 Sophia Creek Culvert Improvement - Lay St at Highview | 2031 - 2041 | \$ 1,360,203 | \$ - | \$ 1,360,2 | 74% | \$ 1,001,893 | \$ 358,310 | \$ - | \$ 358,310 | \$ |
| 1.1.101 Sophia Creek Culvert Improvement - Howard Cres, 40m south of Highview Rd. | 2031 - 2041 | \$ 851,638 | \$ - | \$ 851,6 | 8 74% | \$ 627,296 | \$ 224,342 | \$ - | \$ 224,342 | \$ |
| 1.1.102 Sophia Creek Culvert Improvement - Ottaway Ave, 60m east of Currie St. | 2031 - 2041 | \$ 979,566 | \$ - | \$ 979,5 | 74% | \$ 721,525 | \$ 258,041 | \$ - | \$ 258,041 | \$ |
| 1.1.103 Sophia Creek Culvert Improvement - Rose St, 60m east of Currie St. | 2031 - 2041 | \$ 1,076,805 | \$ - | \$ 1,076,8 | 74% | \$ 793,149 | \$ 283,656 | \$ - | \$ 283,656 | \$ |
| 1.1.104 Sophia Creek Culvert Improvement - Laurie Cres. South of Rose | 2031 - 2041 | \$ 2,170,424 | \$ - | \$ 2,170,4 | 74% | \$ 1,598,682 | \$ 571,742 | \$ - | \$ 571,742 | \$ |
| 1.1.105 Sophia Creek Culvert Improvement - Wellington St. at Berczy | 2031 - 2041 | \$ 1,278,304 | \$ - | \$ 1,278,3 | 74% | \$ 941,568 | \$ 336,736 | \$ - | \$ 336,736 | \$ |
| 1.1.106 Sophia Creek Culvert Improvement - Berczy St. north of Wellington | 2031 - 2041 | \$ 1,446,818 | \$ - | \$ 1,446,8 | 8 74% | \$ 1,065,691 | \$ 381,127 | \$ - | \$ 381,127 | \$ |
| 1.1.107 Sophia Creek Culvert Improvement - Davidson St. & Gunn St. | 2031 - 2041 | \$ 4,289,752 | \$ - | \$ 4,289,7 | 74% | \$ 3,159,728 | \$ 1,130,024 | \$ - | \$ 1,130,024 | \$ |
| 1.1.108 Sophia Creek Culvert Improvement - Parkdale Cres. 40 east of Davidson St. | 2031 - 2041 | \$ 1,214,640 | \$ - | \$ 1,214,6 | 0 74% | \$ 894,674 | \$ 319,966 | \$ - | \$ 319,966 | \$ |
| 1.1.109 Sophia Creek Culvert Improvement - Grove St. 135m east of Davidson St. | 2031 - 2031 | \$ 1,704,440 | \$ - | \$ 1,704,4 | 0 74% | \$ 1,255,449 | \$ 448,991 | \$ - | \$ 448,991 | \$ |
| 1.1.110 Sophia Creek Culvert Improvement - Bothwell Cres. 60m north of Grove St. | 2031 - 2041 | \$ 2,588,902 | \$ - | \$ 2,588,9 | 74% | \$ 1,906,923 | \$ 681,979 | \$ - | \$ 681,979 | \$ |
| 1.1.111 Sophia Creek Trunk Sewer - Owen St and Clapperton St | 2031 - 2041 | \$ 27,022,049 | \$ - | \$ 27,022,0 | 9 74% | \$ 19,903,791 | \$ 7,118,258 | \$ - | \$ 7,118,258 | \$ |
| 1.1.112 Sophia Creek Trunk Sewer - Sophia St, from Maple St to Toronto St | 2023 - 2023 | \$ 1,301,695 | \$ - | \$ 1,301,6 | 74% | \$ 958,797 | \$ 342,898 | \$ - | \$ 342,898 | \$ |
| 1.1.113 2A - Bryne Drive Culvert (Whiskey Creek DC) | 2023 - 2023 | \$ 859,772 | \$ - | \$ 859,7 | 74% | \$ 633,287 | \$ 226,485 | \$ - | \$ 226,485 | \$ |
| Subtotal Stormwater Drainage and Ponds | | \$ 462,231,933 | \$ - | \$ 462,231,9 | 3 | \$ 340,468,915 | \$ 121,763,018 | \$ 4,837,086 | \$ 116,925,932 | \$ |



CITY OF BARRIE AREA-SPECIFIC DEVELOPMENT CHARGES FORMER CITY OF BARRIE DEVELOPMENT-RELATED CAPITAL PROGRAM

STORMWATER DRAINAGE AND CONTROL SERVICES

| | | Gross | Grants/ | Net | Ineligib | le Costs | Total | | DC Eligible Costs | |
|---|-------------|----------------|-----------------|----------------|--------------|----------------|----------------|--------------|-------------------|-------|
| Project Description | Timing | Project | Subsidies/Other | Municipal | Replacement | Replacement | DC Eligible | Available | 2023- | Post |
| | | Cost | Recoveries | Cost | & BTE Shares | & BTE Shares | Costs | DC Reserves | 2041 | 2041* |
| | | | | | | | | | | |
| 2.0 Adjustment For Funded Shares Of Projects | | | | | | | | | | |
| 1.1.1 Prior funded shares of projects | 2023 - 2023 | \$ (6,933,228) | \$ - | \$ (6,933,228) | 0% | \$ - | \$ (6,933,228) | \$ - | \$ (6,933,228) | \$ - |
| Subtotal Adjustment For Funded Shares Of Projects | | \$ (6,933,228) | \$ - | \$ (6,933,228) | | \$ - | \$ (6,933,228) | \$ - | \$ (6,933,228) | \$ - |
| | | | | | | | | | | |
| TOTAL STORMWATER DRAINAGE AND CONTROL SERVICES | | \$ 455,298,705 | \$ - | \$ 455,298,705 | | \$ 340,468,915 | \$ 114,829,790 | \$ 4,837,086 | \$ 109,992,704 | \$ - |
| | | | | | | | | | | |

*Development related costs to be considered for funding from other tools and/or future DC Studies.

| Residential Development Charge Calculation | | |
|---|-------|--------------|
| Residential Share of 2023 - 2041 DC Eligible Costs | 80.9% | \$89,035,869 |
| Long-Term Growth in Population in New Units | | 48,436 |
| Unadjusted Development Charge Per Capita | | \$1,838.22 |
| Non-Residential Retail Development Charge Calculation | | |
| Non-Residential Share of 2023 - 2041 DC Eligible Costs | 7.9% | \$8,740,885 |
| Long-Term Growth in Square Metres | | 612,700 |
| Unadjusted Development Charge Per Square Metre | | \$14.27 |
| Non-Residential Non-Retail Development Charge Calculation | | |
| Non-Residential Share of 2023 - 2041 DC Eligible Costs | 11.1% | \$12,215,949 |
| Long-Term Growth in Square Metres | | 1,233,120 |
| Unadjusted Development Charge Per Square Metre | | \$9.91 |

Current Reserve Fund Balance \$4,837,086



CITY OF BARRIE

CASHFLOW AND DETERMINATION OF DEVELOPMENT CHARGE STORMWATER DRAINAGE AND CONTROL SERVICES RESIDENTIAL DEVELOPMENT CHARGE (in \$000)

| STORMWATER DRAINAGE AND CONTROL SERVIC | 2023 | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | 2030 | 2031 | 2032 |
|---|-------------|-------------|-------------|-------------|-------------|-------------|-----------|------------|------------|-----------|
| OPENING CASH BALANCE | \$3,915.5 | (\$1,608.4) | (\$4,792.2) | (\$3,683.4) | (\$1,884.9) | (\$1,852.7) | \$3,395.4 | \$7,361.1 | \$12,495.3 | \$7,894.8 |
| 2023 - 2041 RESIDENTIAL FUNDING REQUIREMENTS | | | | | | | | | | |
| - Prior Growth (Funding from DC Reserve Balance) | \$3,033.7 | \$426.8 | \$26.8 | \$26.8 | \$26.8 | \$26.8 | \$26.8 | \$26.8 | \$26.8 | \$26.8 |
| - Stormwater Drainage And Control Services : Non Int | \$7,101.80 | \$7,607.0 | \$3,604.9 | \$2,161.6 | \$4,990.7 | \$0.0 | \$0.0 | \$0.0 | \$6,448.0 | \$5,712.2 |
| - Stormwater Drainage And Control Services : Inflated | \$10,135.5 | \$8,194.5 | \$3,778.4 | \$2,322.4 | \$5,431.1 | \$29.6 | \$30.1 | \$30.7 | \$7,586.2 | \$6,858.6 |
| NEW RESIDENTIAL DEVELOPMENT | | | | | | | | | | |
| - Population Growth in New Units | 2,525 | 2,773 | 2,564 | 2,206 | 2,806 | 2,614 | 1,847 | 2,292 | 1,250 | 2,294 |
| REVENUE | | | | | | | | | | |
| - DC Receipts: Inflated | \$4,626.0 | \$5,182.0 | \$4,887.27 | \$4,289.0 | \$5,564.6 | \$5,287.6 | \$3,810.8 | \$4,823.5 | \$2,683.2 | \$5,022.8 |
| INTEREST | | | | | | | | | | |
| - Interest on Opening Balance | \$137.0 | (\$88.5) | \$0.0 | (\$202.6) | (\$103.7) | (\$101.9) | \$118.8 | \$257.6 | \$437.3 | \$276.3 |
| - Interest on In-year Transactions | (\$151.5) | (\$82.8) | \$0.0 | \$34.4 | \$2.3 | \$92.0 | \$66.2 | \$83.9 | (\$134.8) | (\$50.5) |
| TOTAL REVENUE | \$4,611.6 | \$5,010.7 | \$4,887.3 | \$4,120.8 | \$5,463.3 | \$5,277.7 | \$3,995.8 | \$5,165.0 | \$2,985.7 | \$5,248.6 |
| CLOSING CASH BALANCE | (\$1,608.4) | (\$4,792.2) | (\$3,683.4) | (\$1,884.9) | (\$1,852.7) | \$3,395.4 | \$7,361.1 | \$12,495.3 | \$7,894.8 | \$6,284.9 |

| STORMWATER DRAINAGE AND CONTROL SERVICI | 2034 | 2035 | 2036 | 2037 | 2038 | 2039 | 2040 | 2041 | TOTAL |
|---|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-------------|
| OPENING CASH BALANCE | \$4,833.3 | \$3,625.1 | \$2,647.9 | \$2,116.1 | \$1,379.3 | \$608.1 | \$23.6 | (\$140.2) | |
| 2023 - 2041 RESIDENTIAL FUNDING REQUIREMENTS | | | | | | | | | |
| - Stormwater Drainage And Control Services : Non Infl | \$5,712.2 | \$5,712.2 | \$5,712.2 | \$5,712.2 | \$5,712.2 | \$5,712.2 | \$5,712.2 | \$5,712.2 | \$89,035.9 |
| - Stormwater Drainage And Control Services : Inflated | \$7,135.6 | \$7,278.4 | \$7,423.9 | \$7,572.4 | \$7,723.9 | \$7,878.3 | \$8,035.9 | \$8,196.6 | \$112,637.9 |
| NEW RESIDENTIAL DEVELOPMENT | | | | | | | | | |
| - Population Growth in New Units | 2,544 | 2,670 | 2,876 | 2,806 | 2,809 | 2,898 | 3,070 | 3,188 | 48,436 |
| r opaliation arower in rice office | 2,511 | 2,070 | 2,010 | 2,000 | 2,003 | 2,000 | 5,070 | 0,100 | 40,400 |
| REVENUE | | | | | | | | | |
| - DC Receipts: Inflated | \$5,795.2 | \$6,203.9 | \$6,816.2 | \$6,783.3 | \$6,926.3 | \$7,288.7 | \$7,875.7 | \$8,342.0 | \$107,576.8 |
| INTEREST | | | | | | | | | |
| - Interest on Opening Balance | \$169.2 | \$126.9 | \$92.7 | \$74.1 | \$48.3 | \$21.3 | \$0.8 | (\$7.7) | \$1,476.0 |
| - Interest on In-year Transactions | (\$36.9) | (\$29.5) | (\$16.7) | (\$21.7) | (\$21.9) | (\$16.2) | (\$4.4) | \$2.5 | (\$330.4) |
| interest on in year transactions | (ψ30.3) | (ΨΣ3.3) | (\$10.7) | (ΨΖΙ.// | (Ψ21.5) | (\$10.2) | (ψτ.τ) | Ψ2.5 | (ψ330.4) |
| TOTAL REVENUE | \$5,927.5 | \$6,301.2 | \$6,892.1 | \$6,835.6 | \$6,952.7 | \$7,293.8 | \$7,872.1 | \$8,336.8 | \$108,722.4 |
| | | | | | | | | | |
| CLOSING CASH BALANCE | \$3,625.1 | \$2,647.9 | \$2,116.1 | \$1,379.3 | \$608.1 | \$23.6 | (\$140.2) | \$0.0 | |
| | | | | | | | | | |

| 2023 Adjusted Charge Per Capita | \$1,832.10 |
|---------------------------------|------------|
|---------------------------------|------------|

| Allocation of Capital Program | |
|------------------------------------|-------|
| Residential Sector | 80.9% |
| Non-Residential Sector | 19.1% |
| Rates for 2023 | |
| Inflation Rate | 2.0% |
| Interest Rate on Positive Balances | 3.5% |
| Interest Rate on Negative Balances | 5.5% |



CITY OF BARRIE

CASHFLOW AND DETERMINATION OF DEVELOPMENT CHARGE STORMWATER DRAINAGE AND CONTROL SERVICES RETAIL DEVELOPMENT CHARGE

(in \$000)

| STORMWATER DRAINAGE AND CONTROL SERVICES | 2023 | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | 2030 | 2031 | 2032 |
|--|-----------|-----------|-------------|-------------|-------------|-------------|-----------|-----------|----------|-----------|
| OPENING CASH BALANCE | \$384.4 | (\$368.3) | (\$925.2) | (\$1,031.8) | (\$961.9) | (\$1,162.3) | (\$793.7) | (\$364.3) | \$130.1 | (\$64.2) |
| 2023 - 2041 NON-RESIDENTIAL FUNDING REQUIREMENTS | ; | | | | | | | | | |
| - Prior Growth (Funding from DC Reserve Balance) | \$297.82 | \$41.9 | \$2.6 | \$2.6 | \$2.6 | \$2.6 | \$2.6 | \$2.6 | \$2.6 | \$2.6 |
| - Stormwater Drainage And Control Services : Non Inflate | \$697.2 | \$746.8 | \$353.9 | \$212.2 | \$490.0 | \$0.0 | \$0.0 | \$0.0 | \$633.0 | \$560.8 |
| - Stormwater Drainage And Control Services : Inflated | \$995.0 | \$804.5 | \$370.9 | \$228.0 | \$533.2 | \$2.9 | \$3.0 | \$3.0 | \$744.8 | \$673.3 |
| NON-RESIDENTIAL SPACE GROWTH | | | | | | | | | | |
| - Growth in Square Metres | 16,974 | 18,829 | 20,719 | 22,609 | 24,499 | 26,388 | 28,278 | 30,133 | 32,023 | 30,098 |
| REVENUE | | | | | | | | | | |
| - DC Receipts: Inflated | \$249.4 | \$282.2 | \$316.7 | \$352.5 | \$389.6 | \$428.0 | \$467.9 | \$508.5 | \$551.2 | \$528.5 |
| INTEREST | | | | | | | | | | |
| - Interest on Opening Balance | \$13.5 | (\$20.3) | (\$50.9) | (\$56.8) | (\$52.9) | (\$63.9) | (\$43.7) | (\$20.0) | \$4.6 | (\$3.5) |
| - Interest on In-year Transactions | (\$20.5) | (\$14.4) | (\$1.5) | \$2.2 | (\$3.9) | \$7.4 | \$8.1 | \$8.8 | (\$5.3) | (\$4.0) |
| TOTAL REVENUE | \$242.3 | \$247.5 | \$264.3 | \$297.9 | \$332.8 | \$371.6 | \$432.4 | \$497.4 | \$550.5 | \$521.0 |
| CLOSING CASH BALANCE | (\$368.3) | (\$925.2) | (\$1,031.8) | (\$961.9) | (\$1,162.3) | (\$793.7) | (\$364.3) | \$130.1 | (\$64.2) | (\$216.6) |

| STORMWATER DRAINAGE AND CONTROL SERVICES | 2034 | 2035 | 2036 | 2037 | 2038 | 2039 | 2040 | 2041 | TOTAL |
|---|---------------------|---------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|-------------------------|
| OPENING CASH BALANCE | (\$288.1) | (\$342.5) | (\$378.0) | (\$385.1) | (\$369.0) | (\$327.4) | (\$258.0) | (\$150.1) | |
| 2023 - 2041 NON-RESIDENTIAL FUNDING REQUIREMENTS - Stormwater Drainage And Control Services : Non Inflata - Stormwater Drainage And Control Services : Inflated | \$560.8 \$700.5 | \$560.8 \$714.5 | \$560.8 \$728.8 | \$560.8 \$743.4 | \$560.8 \$758.3 | \$560.8 \$773.4 | \$560.8 \$788.9 | \$560.8 \$804.7 | \$8,740.9 \$11,058.0 |
| NON-RESIDENTIAL SPACE GROWTH - Growth in Square Metres | 36,294 | 37,477 | 39,055 | 40,239 | 41,422 | 42,606 | 44,184 | 45,762 | 612,699 |
| REVENUE - DC Receipts: Inflated | \$663.0 | \$698.3 | \$742.3 | \$780.1 | \$819.1 | \$859.3 | \$909.0 | \$960.3 | \$7,587.0 |
| INTEREST - Interest on Opening Balance - Interest on In-year Transactions | (\$15.8) (\$1.0) | (\$18.8) (\$0.4) | (\$20.8) \$0.2 | (\$21.2) \$0.6 | (\$20.3) \$1.1 | (\$18.0) \$1.5 | (\$14.2) \$2.1 | (\$8.3) \$2.7 | (\$382.5) (\$25.2) |
| TOTAL REVENUE | \$646.1 | \$679.0 | \$721.7 | \$759.5 | \$799.8 | \$842.8 | \$896.9 | \$954.7 | \$7,179.3 |
| CLOSING CASH BALANCE | (\$342.5) | (\$378.0) | (\$385.1) | (\$369.0) | (\$327.4) | (\$258.0) | (\$150.1) | \$0.0 | |

2023 Adjusted Charge Per Square Metre \$14.69

| Allocation of Capital Program | |
|------------------------------------|-------|
| Residential Sector | 80.9% |
| Retail Sector | 7.9% |
| Non-Retail Sector | 11.1% |
| Rates for 2023 | |
| Inflation Rate | 2.0% |
| Interest Rate on Positive Balances | 3.5% |
| Interest Rate on Negative Balances | 5.5% |
| | |



CITY OF BARRIE

CASHFLOW AND DETERMINATION OF DEVELOPMENT CHARGE STORMWATER DRAINAGE AND CONTROL SERVICES NON-RETAIL DEVELOPMENT CHARGE (in \$000)

| STORMWATER DRAINAGE AND CONTROL | 2023 | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | 2030 | 2031 | 2032 |
|--|-----------|-------------|-------------|-------------|-------------|-------------|-----------|---------|-----------|---------|
| OPENING CASH BALANCE | \$537.2 | (\$466.7) | (\$1,187.5) | (\$1,269.4) | (\$1,094.9) | (\$1,285.8) | (\$670.3) | \$43.0 | \$860.8 | \$719.3 |
| 2023 - 2041 NON-RESIDENTIAL FUNDING REQUIRE | MENTS | | | | | | | | | |
| - Prior Growth (Funding from DC Reserve Balanc | \$416.23 | \$58.6 | \$3.7 | \$3.7 | \$3.7 | \$3.7 | \$3.7 | \$3.7 | \$3.7 | \$3.7 |
| - Stormwater Drainage And Control Services : No | \$974.4 | \$1,043.7 | \$494.6 | \$296.6 | \$684.7 | \$0.0 | \$0.0 | \$0.0 | \$884.7 | \$783.7 |
| - Stormwater Drainage And Control Services : Inf | \$1,390.6 | \$1,124.3 | \$518.4 | \$318.6 | \$745.2 | \$4.1 | \$4.1 | \$4.2 | \$1,040.9 | \$941.0 |
| NON-RESIDENTIAL SPACE GROWTH | | | | | | | | | | |
| - Non-Retail Growth in Square Metres | 39,366 | 43,729 | 48,092 | 52,440 | 56,863 | 61,211 | 65,574 | 69,937 | 74,285 | 67,169 |
| REVENUE | | | | | | | | | | |
| - DC Receipts: Inflated | \$395.2 | \$447.8 | \$502.3 | \$558.7 | \$617.9 | \$678.5 | \$741.4 | \$806.5 | \$873.8 | \$805.9 |
| INTEREST | | | | | | | | | | |
| - Interest on Opening Balance | \$18.8 | (\$25.7) | (\$65.3) | (\$69.8) | (\$60.2) | (\$70.7) | (\$36.9) | \$1.5 | \$30.1 | \$25.2 |
| - Interest on In-year Transactions | (\$27.4) | (\$18.6) | (\$0.4) | \$4.2 | (\$3.5) | \$11.8 | \$12.9 | \$14.0 | (\$4.6) | (\$3.7) |
| TOTAL REVENUE | \$386.6 | \$403.5 | \$436.6 | \$493.1 | \$554.2 | \$619.6 | \$717.4 | \$822.1 | \$899.4 | \$827.4 |
| CLOSING CASH BALANCE | (\$466.7) | (\$1,187.5) | (\$1,269.4) | (\$1,094.9) | (\$1,285.8) | (\$670.3) | \$43.0 | \$860.8 | \$719.3 | \$605.7 |

| STORMWATER DRAINAGE AND CONTROL | 2034 | 2035 | 2036 | 2037 | 2038 | 2039 | 2040 | 2041 | TOTAL |
|--|---------|---------|-----------|-----------|-----------|-----------|-----------|-----------|------------|
| OPENING CASH BALANCE | \$487.4 | \$364.4 | \$256.2 | \$145.5 | \$82.5 | \$33.7 | \$5.8 | (\$6.6) | |
| 2023 - 2041 NON-RESIDENTIAL FUNDING REQUIRE | EMENTS | | | | | | | | |
| - Stormwater Drainage And Control Services : No | \$783.7 | \$783.7 | \$783.7 | \$783.7 | \$783.7 | \$783.7 | \$783.7 | \$783.7 | \$12,215.9 |
| - Stormwater Drainage And Control Services : Inf | \$979.0 | \$998.6 | \$1,018.6 | \$1,039.0 | \$1,059.7 | \$1,080.9 | \$1,102.5 | \$1,124.6 | \$15,454.2 |
| NON-RESIDENTIAL SPACE GROWTH | | | | | | | | | |
| - Non-Retail Growth in Square Metres | 67,510 | 69,185 | 69,461 | 73,430 | 74,704 | 76,376 | 77,553 | 78,908 | 1,233,126 |
| REVENUE | | | | | | | | | |
| - DC Receipts: Inflated | \$842.7 | \$880.9 | \$902.1 | \$972.7 | \$1,009.4 | \$1,052.6 | \$1,090.2 | \$1,131.5 | \$10,850.7 |
| INTEREST | | | | | | | | | |
| - Interest on Opening Balance | \$17.1 | \$12.8 | \$9.0 | \$5.1 | \$2.9 | \$1.2 | \$0.2 | (\$0.4) | (\$187.9) |
| - Interest on In-year Transactions | (\$3.7) | (\$3.2) | (\$3.2) | (\$1.8) | (\$1.4) | (\$0.8) | (\$0.3) | \$0.1 | (\$31.0) |
| TOTAL REVENUE | \$856.0 | \$890.4 | \$907.9 | \$976.0 | \$1,010.9 | \$1,053.0 | \$1,090.1 | \$1,131.2 | \$10,631.7 |
| CLOSING CASH BALANCE | \$364.4 | \$256.2 | \$145.5 | \$82.5 | \$33.7 | \$5.8 | (\$6.6) | \$0.0 | |

2023 Adjusted Charge Per Square Metre \$10.04

| Allocation of Conital Busyness | |
|------------------------------------|--------|
| Allocation of Capital Program | 00.004 |
| Residential Sector | 80.9% |
| Retail Sector | 7.9% |
| Non-Retail Sector | 11.1% |
| | |
| Rates for 2023 | |
| Inflation Rate | 2.0% |
| Interest Rate on Positive Balances | 3.5% |
| Interest Rate on Negative Balances | 5.5% |
| | |



Appendix E.2 Former Municipal Boundary: Water Services – Distribution Systems



Water Services – Distribution Systems

This appendix provides a brief outline of the infrastructure included in the Water Services - Distribution Systems development charge. The development-related projects outlined in this appendix are required to service the demands of new development to 2041 located within the Former Municipal Boundary and are therefore calculated on an area-specific basis.

The following sections describe the individual components included in the Water Services - Distribution Systems service category. The analysis is set out in the tables which follow.

Table E.2-1 2023-2041 Development-Related Capital Forecast and Calculation of the Discounted Growth-Related Net Capital Costs

Table E.2-2 Cash Flow Analysis

A. Development-Related Capital Program

i. Gross Capital Program Costs

The capital program includes for the recovery of a negative reserve fund balance (\$6.20 million), water distribution projects (\$48.05 million) and an adjustment for shares of projects which have previously been funded from development charges (\$6.16 million). The total gross cost of the capital program amounts to \$47.71 million.

ii. Grants, Subsidies and Other Recoveries

No grants, subsidies or other recoveries have been identified for this service, therefore no adjustments are made.



iii. Replacement and Benefit to Existing Shares

In total, \$11.76 million has been identified as a benefit to existing or replacement shares for projects and is removed from the total DC eligible costs. If an existing pipe is to be replaced as part of a proposed project, the benefit to existing shares are determined based on the age of the existing pipe and the estimated useful life as well as the cost to replace the existing pipe at the current standard. New water linear assets have no benefit to existing share given these projects would not be constructed in absence of growth and are needed to service future development.

iv. Available DC Reserve Funds

The current reserve fund balance is in a deficit position of \$5.82 million and is included for recovery in the capital program.

v. Other Development-Related / Post-Period Benefit Shares

The projects included in the capital program are required to service growth over the planning horizon. Therefore, no post-period shares of projects have been identified.

vi. 2023-2041 DC Eligible Development Related Costs

After adjusting for ineligible shares of projects, the total DC eligible inperiod recoverable capital costs amount to \$36.75 million and is included for recovery in the DC rate calculation.

B. Cash Flow Analysis

The long-term cash-flow analysis takes into consideration expenditure timing and revenue projections. The effect of the analysis is an increase in the development charge rates as a result of the capital program being largely front-ended. The adjusted residential charge amounts to \$665.94 per



capita, the retail cash-flow amounts to \$14.34 per square metre of gross floor area and non-retail amounts to \$8.74 per square metre.

The following table summarizes the calculation of the Water Services – Distribution Systems development charge:

| | | WATE | R SERVICES - DISTI | RIBUTION SYSTEMS SU | JMMARY | | |
|----------------|------------------------|-----------|--------------------|---------------------|-----------|-----------------|---------------------|
| 202 | 23 - 2041 | | Unadjusted | | | Adjusted | |
| Development-Re | elated Capital Program | | Development Charge | e | | Development Cha | rge |
| Total | Net DC Recoverable | \$/capita | Retail \$/sq.m | Non-Retail\$/sq.m | \$/capita | Retail \$/sq.m | Non- Retail \$/sq.m |
| \$47,709,340 | \$35,951,230 | \$472.81 | \$9.46 | \$5.88 | \$665.94 | \$14.34 | \$8.74 |
| | | | | | | | |



CITY OF BARRIE AREA-SPECIFIC DEVELOPMENT CHARGES FORMER CITY OF BARRIE

DEVELOPMENT-RELATED CAPITAL PROGRAM WATER SERVICES - DISTRIBUTION SYSTEMS

| | | | | Gross | Grants, | ′ | | Net | Ineligib | le Cos | sts | Total | | DC | Eligible Costs | ; | |
|----------------|--|------------------|--------------|------------------|-------------------------|---|------|---------------------|-----------------------------|--------|-------------------------|-------------------------|--------------------------|----|-------------------|----|------------|
| roject Descrip | ption | Tim | ing | Project Cost | Subsidies/0 Recoveri | | | ınicipal Cost | Replacement & BTE Shares | | placement STE Shares | DC Eligible Costs | Available DC Reserves | | 2023- 2041 | | Post 2041* |
| ATER SERVIO | CES - DISTRIBUTION SYSTEMS | | | | | | | | | | | | | | | | |
| 1.0 Recove | ery of Negative Reserve Fund Balance | | | | | | | | | | | | | | | | |
| 1.1.1 | Balance as of December 31, 2022 | 2023 - | 2023 | \$ 5,819,498 | \$ | - | \$ | 5,819,498 | 0% | \$ | - | \$ 5,819,498 | \$ - | \$ | 5,819,498 | \$ | |
| | Subtotal Recovery of Negative Reserve Fund Balance | | | \$ 5,819,498 | \$ | - | \$ | 5,819,498 | | \$ | - | \$ 5,819,498 | \$ - | \$ | 5,819,498 | \$ | |
| 2.0 Water I | Distribution Projects | | | | | | | | | | | | | | | | |
| 2.1.1 | 0569 Sunnidale Road - Wellington Street North to Letitia Street; Zone 2N Reinforcement (ZONE1NEW-25) | 2023 - | 2023 | \$ 12,950,280 | \$ | - | \$ 1 | 12,950,280 | 8% | \$ | 1,011,445 | \$ 11,938,835 | \$ - | \$ | 11,938,835 | \$ | |
| 2.1.2 | Poyntz Street - Dunlop Street East north to Worsley Street (2013); Zone 1 Reinforcement (existing 250mm/300mm pipes) (400mm) (ZONE1NEW-17) | 2023 - | 2023 | \$ 1,141,560 | \$ | - | \$ | 1,141,560 | 64% | \$ | 730,408 | \$ 411,152 | \$ - | \$ | 411,152 | \$ | |
| 2.1.3 | Poyntz Street - Worsley Street north to Berczy Street; Zone 1 Reinforcement (existing 300mm pipe) (400mm) (ZONE1NEW-36) | 2023 - | 2023 | \$ 889,920 | \$ | - | \$ | 889,920 | 71% | \$ | 632,989 | \$ 256,931 | \$ - | \$ | 256,931 | \$ | |
| 2.1.4 | Tiffin Street - Ferndale Drive North east to Patterson Road (2012); Zone 1 Reinforcement (existing 300mm pipe) (400mm pipe) (ZONE1NEW-31) Duckworth Street - St Vincent Street north to Codrington Street (2015); Zone 2N Reinforcement | 2023 - | 2023 | \$ 2,214,000 | \$ | - | \$ | 2,214,000 | 0% | \$ | - | \$ 2,214,000 | \$ - | \$ | 2,214,000 | \$ | |
| 2.1.5 | (no existing pipe along road, a 150mm/200mm pipe route along 2 roads to pipe outlet) (300mm) (ZONE2NNEW-12E) | 2023 - | 2023 | \$ 452,520 | \$ | - | \$ | 452,520 | 3% | \$ | 13,854 | \$ 438,666 | \$ - | \$ | 438,666 | \$ | |
| 2.1.6 | Duckworth Street - Codrington Street north to Napier Street (2015); Zone 2N Reinforcement (existing 100mm/150mm pipe) (300mm) (ZONE2NNEW-13) | 2023 - | 2023 | \$ 942,840 | \$ | - | \$ | 942,840 | 4% | \$ | 36,524 | \$ 906,316 | \$ - | \$ | 906,316 | \$ | |
| 2.1.7 | Duckworth Street - Napier Street north to Steel Street (2015); Zone 2N Reinforcement (existing 150mm pipe) (300mm) (ZONE2NNEW-14) | 2023 - | 2023 | \$ 1,395,360 | \$ | - | \$ | 1,395,360 | 14% | \$ | 197,896 | \$ 1,197,464 | \$ - | \$ | 1,197,464 | \$ | |
| 2.1.8 | Duckworth Street - Steel Street north to Grove Street East (2015); Zone 2N Reinforcement (existing 150mm/200mm pipe) (ZONE2NNEW-16) | 2023 - | 2023 | \$ 1,739,880 | \$ | - | \$ | 1,739,880 | 51% | \$ | 893,096 | \$ 846,784 | \$ - | \$ | 846,784 | \$ | |
| 2.1.9 | Duckworth Street - Grove Street East north to Bernick Drive (2011); Zone 2N Reinforcement (existing 150mm/200mm pipe) - Proposed 300mm (ZONE2NNEW-5) | 2023 - | 2023 | _, | \$ | | | 1,576,800 | 39% | \$ | , | \$ 959,573 | | \$ | 959,573 | \$ | |
| 2.1.10 | Harvie Road Pumping Station Interconnection (400mm) (0417) Cundles Road East - St Vincent St east 300m; Zone 2N Reinforcement (existing 200mm pipe) (300mm) (ZONEZNNEW-20) | 2023 - 2023 - | 2023 2023 | \$, | \$ | | \$ | 32,400 1,087,560 | 0% 58% | \$ | - 628,676 | \$ 32,400 \$ 458,884 | \$ - \$ - | \$ | 32,400 458,884 | 5 | |
| 2.1.12 | Southin (ZONEZINEW-ZU) Bayview Drive - Big Bay Point Road north to Little Avenue (2014); Zone 2S Reinforcement (existing 300mm pipe) (ZONEZSNEW-2) | 2023 - | 2023 | \$ 6,390,360 | \$ | - | \$ | 6,390,360 | 47% | \$ | 2,989,092 | \$ 3,401,268 | \$ - | \$ | 3,401,268 | \$ | |
| 2.1.13 | Little Avenue - Garden Drive east to Huronia Road (2021); Zone 3S Reinforcement (existing 300mm pipe) (400mm) (ZONE2SNEW-38) | 2023 - | 2023 | \$ 630,720 | \$ | - | \$ | 630,720 | 45% | \$ | 284,814 | \$ 345,906 | \$ - | \$ | 345,906 | \$ | |
| 2.1.14 | Tiffin Street - Patterson Road east to Dyment Road (2012); Zone 1 Reinforcement (existing 300mm pipe) (ZONE1NEW-32) | 2031 - | 2041 | \$ 821,880 | \$ | - | \$ | 821,880 | 16% | \$ | 134,141 | \$ 687,739 | \$ - | \$ | 687,739 | \$ | |
| 2.1.15 | Tiffin Street – Dyment Road East to Anne Street South; Zone 1 Reinforcement (upsizing existing 300 mm) (ZONE1NEW-33) | 2031 - | 2041 | \$ 3,697,920 | \$ | - | \$ | 3,697,920 | 24% | \$ | 892,248 | \$ 2,805,672 | \$ - | \$ | 2,805,672 | \$ | |
| 2.1.16 | Miller Drive - Sproule Drive north to Edgehill Drive (2013); Zone 1 Reinforcement (existing 150mm pipe) (ZONE1NEW-34) | 2031 - | 2041 | \$ 2,066,040 | \$ | - | \$ | 2,066,040 | 41% | \$ | 840,924 | \$ 1,225,116 | \$ - | \$ | 1,225,116 | \$ | |
| 2.1.17 | Dunlop Street E - Mulcaster Street east to Poyntz Street; Zone 1 Reinforcement (existing 250mm pipe) (ZONE1NEW-43A) | 2023 - | 2023 | \$ 799,200 | \$ | - | \$ | 799,200 | 0% | \$ | - | \$ 799,200 | \$ - | \$ | 799,200 | \$ | |
| 2.1.18 | Berczy Street - Eugina Street north to Codrington Pumping Station (2013); Zone 1 Reinforcement (existing 300mm pipe) (ZONE2NNEW-12) | 2023 - | 2023 | \$ 639,360 | \$ | - | \$ | 639,360 | 61% | \$ | 389,114 | \$ 250,246 | \$ - | \$ | 250,246 | \$ | |



CITY OF BARRIE AREA-SPECIFIC DEVELOPMENT CHARGES FORMER CITY OF BARRIE

DEVELOPMENT-RELATED CAPITAL PROGRAM WATER SERVICES - DISTRIBUTION SYSTEMS

| | | | | | Gross | Grants/ | | Net | Ineligib | le Co | osts | | Total | | DC | C Eligible Costs | | |
|--|---|--|--|---------------------------------------|---|------------------------------|-------------------------------------|---|-------------------------------|----------------------|---|---------|---|------------------------------|----------------------|---|-------------------|-------|
| Project Descrip | ption | Tir | ning | | Project | Subsidies/Other | ł | Municipal | Replacement | Re | eplacement | 1 | DC Eligible | Available | | 2023- | | Post |
| | | | | | Cost | Recoveries | | Cost | & BTE Shares | & | BTE Shares | | Costs | DC Reserves | 1 | 2041 | | 2041* |
| 2.1.19 2.1.20 2.1.21 2.1.22 2.1.23 2.1.24 | Eugina Street – Berczy Street East to Albert Street; Zone 2N Reinforcement (upsizing existing 100 mm) (ZONE2NNEW-12A) Eugina Street - Albert Street east to Dundonald Street (2013) Zone 2N Reinforcement (existing 100mm pipe) (ZONE2NNEW-12B) Eugina Street - Dundonald Street east to St Vincent Street (2013); Zone 2N Reinforcement (existing 150mm pipe) (ZONE2NNEW-12C) Eugina Street - St. Vincent Street west 5 metres (2013); Zone 2N Reinforcement (existing 150mm pipe) (ZONE2NNEW-12D) Stanford Street cul-de-sac connection pipe to Short Street cul-de-sac (2021); Zone 1 Reinforcement (ZONE1NEW-35) Innisfil BPS to Little Ave and Bayview (400mm); Zone 2S Reinforcement (ZONE2SNEW-210) Subtotal Water Distribution Projects | 2023 2023 2023 2023 2023 2031 2024 | - 2023 - 2023 - 2023 - 2023 - 2023 - 2041 - 2041 | 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 | 543,240 652,320 1,269,000 18,360 617,760 5,477,760 48,047,040 | \$ - \$ - \$ - \$ - | \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ | 543,240 652,320 1,269,000 18,360 617,760 5,477,760 48,047,040 | 63% 51% 62% 0% 0% | \$ \$ \$ \$ \$ \$ \$ | 344,329 335,046 786,287 - - - - 11,758,110 | s s s s | 198,911 317,274 482,713 18,360 617,760 5,477,760 36,288,930 | \$ - \$ - \$ - \$ - | \$ \$ \$ \$ \$ \$ \$ | 198,911 317,274 482,713 18,360 617,760 5,477,760 36,288,930 | \$ \$ \$ \$ \$ \$ | |
| 3.1.1 | ment For Funded Shares Of Projects Prior funded shares of projects Subtotal Adjustment For Funded Shares Of Projects R SERVICES - DISTRIBUTION SYSTEMS | 2023 | - 2023 | \$ \$ | (6,157,198) (6,157,198) 47,709,340 | \$ - | \$ \$ | (6,157,198) (6,157,198) 47,709,340 | 0% | \$ | - 11,758,110 | \$ \$ | (6,157,198) (6,157,198) 35,951,230 | \$ - | \$ | (6,157,198) (6,157,198) 35,951,230 | \$ | - |

*Development related costs to be considered for funding from other tools and/or future DC Studies.

| Residential Development Charge Calculation | | |
|---|-------|--------------|
| Residential Share of 2023 - 2041 DC Eligible Costs | 63.7% | \$22,901,137 |
| Long-Term Growth in Population in New Units | | 48,436 |
| Unadjusted Development Charge Per Capita | | \$472.81 |
| Non-Residential Retail Development Charge Calculation | | |
| Non-Residential Share of 2023 - 2041 DC Eligible Costs | 16.1% | \$5,793,842 |
| Long-Term Growth in Square Metres | | 612,700 |
| Unadjusted Development Charge Per Square Metre | | \$9.46 |
| Non-Residential Non-Retail Development Charge Calculation | | |
| Non-Residential Share of 2023 - 2041 DC Eligible Costs | 20.2% | \$7,256,251 |
| Long-Term Growth in Square Metres | | 1,233,120 |
| Unadjusted Development Charge Per Square Metre | | \$5.88 |

Current Reserve Fund Balance (\$5,819,498)



APPENDIX E.2 TABLE 2-1

CITY OF BARRIE

CASHFLOW AND DETERMINATION OF DEVELOPMENT CHARGE WATER SERVICES - DISTRIBUTION SYSTEMS RESIDENTIAL DEVELOPMENT CHARGE (in \$000)

| WATER SERVICES - DISTRIBUTION SYSTEMS | 2023 | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | 2030 | 2031 | 2032 |
|---|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| OPENING CASH BALANCE | (\$3,707.1) | (\$18,636.1) | (\$17,945.7) | (\$16,370.9) | (\$15,894.4) | (\$14,924.0) | (\$14,007.0) | (\$13,590.1) | (\$12,780.2) | (\$13,090.2) |
| 2023 - 2041 RESIDENTIAL FUNDING REQUIREMENTS | | | | | | | | | | |
| - Prior Growth (Funding from DC Reserve Balance) | \$0.0 | \$0.0 | \$0.0 | \$0.0 | \$0.0 | \$0.0 | \$0.0 | \$0.0 | \$0.0 | \$0.0 |
| - Water Services - Distribution Systems: Non Inflated | \$16,012.53 | \$193.9 | \$193.9 | \$193.9 | \$193.9 | \$193.9 | \$193.9 | \$193.9 | \$502.9 | \$502.9 |
| - Water Services - Distribution Systems: Inflated | \$16,012.5 | \$197.7 | \$201.7 | \$205.7 | \$209.8 | \$214.0 | \$218.3 | \$222.7 | \$589.2 | \$601.0 |
| NEW RESIDENTIAL DEVELOPMENT | | | | | | | | | | |
| - Population Growth in New Units | 2,525 | 2,773 | 2,564 | 2,206 | 2,806 | 2,614 | 1,847 | 2,292 | 1,250 | 2,294 |
| REVENUE | | | | | | | | | | |
| - DC Receipts: Inflated | \$1,681.5 | \$1,883.6 | \$1,776.46 | \$1,559.0 | \$2,022.7 | \$1,922.0 | \$1,385.2 | \$1,753.3 | \$975.3 | \$1,825.7 |
| INTEREST | | | | | | | | | | |
| - Interest on Opening Balance | (\$203.9) | (\$1,025.0) | \$0.0 | (\$900.4) | (\$874.2) | (\$820.8) | (\$770.4) | (\$747.5) | (\$702.9) | (\$720.0) |
| - Interest on In-year Transactions | (\$394.1) | \$29.5 | \$0.0 | \$23.7 | \$31.7 | \$29.9 | \$20.4 | \$26.8 | \$6.8 | \$21.4 |
| TOTAL REVENUE | \$1,083.5 | \$888.1 | \$1,776.5 | \$682.3 | \$1,180.2 | \$1,131.0 | \$635.2 | \$1,032.6 | \$279.2 | \$1,127.2 |
| CLOSING CASH BALANCE | (\$18,636.1) | (\$17,945.7) | (\$16,370.9) | (\$15,894.4) | (\$14,924.0) | (\$14,007.0) | (\$13,590.1) | (\$12,780.2) | (\$13,090.2) | (\$12,564.0) |

| WATER SERVICES - DISTRIBUTION SYSTEMS | 2034 | 2035 | 2036 | 2037 | 2038 | 2039 | 2040 | 2041 | TOTAL |
|---|--------------|--------------|--------------|-------------|-------------|-------------|-------------|-------------|--------------|
| OPENING CASH BALANCE | (\$11,893.1) | (\$11,040.1) | (\$10,001.7) | (\$8,692.8) | (\$7,337.3) | (\$5,867.8) | (\$4,197.2) | (\$2,231.7) | |
| 2023 - 2041 RESIDENTIAL FUNDING REQUIREMENTS | | | | | | | | | |
| - Water Services - Distribution Systems: Non Inflated | \$502.9 | \$502.9 | \$502.9 | \$502.9 | \$502.9 | \$502.9 | \$502.9 | \$502.9 | \$22,901.1 |
| - Water Services - Distribution Systems: Inflated | \$625.3 | \$637.8 | \$650.5 | \$663.5 | \$676.8 | \$690.3 | \$704.1 | \$718.2 | \$24,652.3 |
| NEW RESIDENTIAL DEVELOPMENT | | | | | | | | | |
| - Population Growth in New Units | 2,544 | 2,670 | 2,876 | 2,806 | 2,809 | 2,898 | 3,070 | 3,188 | 48,436 |
| REVENUE | | | | | | | | | |
| - DC Receipts: Inflated | \$2,106.5 | \$2,255.0 | \$2,477.6 | \$2,465.6 | \$2,517.6 | \$2,649.3 | \$2,862.7 | \$3,032.2 | \$39,102.7 |
| INTEREST | | | | | | | | | |
| - Interest on Opening Balance | (\$654.1) | (\$607.2) | (\$550.1) | (\$478.1) | (\$403.5) | (\$322.7) | (\$230.8) | (\$122.7) | (\$10,825.4) |
| - Interest on In-year Transactions | \$25.9 | \$28.3 | \$32.0 | \$31.5 | \$32.2 | \$34.3 | \$37.8 | \$40.5 | \$82.0 |
| TOTAL REVENUE | \$1,478.3 | \$1,676.1 | \$1,959.5 | \$2,019.1 | \$2,146.3 | \$2,360.9 | \$2,669.6 | \$2,950.0 | \$28,359.4 |
| CLOSING CASH BALANCE | (\$11,040.1) | (\$10,001.7) | (\$8,692.8) | (\$7,337.3) | (\$5,867.8) | (\$4,197.2) | (\$2,231.7) | \$0.0 | |

| 2023 Adjusted Charge Per Capita | \$665.94 |
|---------------------------------|----------|
|---------------------------------|----------|

| Allocation of Capital Program | |
|------------------------------------|-------|
| Residential Sector | 63.7% |
| Non-Residential Sector | 36.3% |
| | |
| Rates for 2023 | |
| Inflation Rate | 2.0% |
| Interest Rate on Positive Balances | 3.5% |
| Interest Rate on Negative Balances | 5.5% |
| | |



APPENDIX E.2 TABLE 2-2

CITY OF BARRIE

CASHFLOW AND DETERMINATION OF DEVELOPMENT CHARGE WATER SERVICES - DISTRIBUTION SYSTEMS RETAIL DEVELOPMENT CHARGE (in \$000)

| WATER SERVICES - DISTRIBUTION SYSTEMS | 2023 | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | 2030 | 2031 | 2032 |
|---|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| OPENING CASH BALANCE | (\$937.9) | (\$4,901.8) | (\$4,942.2) | (\$4,951.4) | (\$4,926.7) | (\$4,864.8) | (\$4,762.4) | (\$4,615.9) | (\$4,422.1) | (\$4,269.6) |
| 2023 - 2041 NON-RESIDENTIAL FUNDING REQUIREMEN | TS | | | | | | | | | |
| - Prior Growth (Funding from DC Reserve Balance) | \$0.00 | \$0.0 | \$0.0 | \$0.0 | \$0.0 | \$0.0 | \$0.0 | \$0.0 | \$0.0 | \$0.0 |
| - Water Services - Distribution Systems: Non Inflated | \$4,051.1 | \$49.0 | \$49.0 | \$49.0 | \$49.0 | \$49.0 | \$49.0 | \$49.0 | \$127.2 | \$127.2 |
| - Water Services - Distribution Systems: Inflated | \$4,051.1 | \$50.0 | \$51.0 | \$52.0 | \$53.1 | \$54.1 | \$55.2 | \$56.3 | \$149.1 | \$152.0 |
| NON-RESIDENTIAL SPACE GROWTH | | | | | | | | | | |
| - Growth in Square Metres | 16,974 | 18,829 | 20,719 | 22,609 | 24,499 | 26,388 | 28,278 | 30,133 | 32,023 | 30,098 |
| REVENUE | | | | | | | | | | |
| - DC Receipts: Inflated | \$243.4 | \$275.4 | \$309.1 | \$344.0 | \$380.2 | \$417.7 | \$456.6 | \$496.3 | \$538.0 | \$515.7 |
| INTEREST | | | | | | | | | | |
| - Interest on Opening Balance | (\$51.6) | (\$269.6) | (\$271.8) | (\$272.3) | (\$271.0) | (\$267.6) | (\$261.9) | (\$253.9) | (\$243.2) | (\$234.8) |
| - Interest on In-year Transactions | (\$104.7) | \$3.9 | \$4.5 | \$5.1 | \$5.7 | \$6.4 | \$7.0 | \$7.7 | \$6.8 | \$6.4 |
| TOTAL REVENUE | \$87.1 | \$9.7 | \$41.8 | \$76.8 | \$115.0 | \$156.5 | \$201.7 | \$250.1 | \$301.6 | \$287.3 |
| CLOSING CASH BALANCE | (\$4,901.8) | (\$4,942.2) | (\$4,951.4) | (\$4,926.7) | (\$4,864.8) | (\$4,762.4) | (\$4,615.9) | (\$4,422.1) | (\$4,269.6) | (\$4,134.4) |

| WATER SERVICES - DISTRIBUTION SYSTEMS | 2034 | 2035 | 2036 | 2037 | 2038 | 2039 | 2040 | 2041 | TOTAL |
|---|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-----------|-------------|
| OPENING CASH BALANCE | (\$3,895.2) | (\$3,612.0) | (\$3,281.4) | (\$2,892.3) | (\$2,447.5) | (\$1,943.1) | (\$1,374.3) | (\$728.6) | |
| 2023 - 2041 NON-RESIDENTIAL FUNDING REQUIREMENT | S | | | | | | | | |
| - Water Services - Distribution Systems: Non Inflated | \$127.2 | \$127.2 | \$127.2 | \$127.2 | \$127.2 | \$127.2 | \$127.2 | \$127.2 | \$5,793.8 |
| - Water Services - Distribution Systems: Inflated | \$158.2 | \$161.4 | \$164.6 | \$167.9 | \$171.2 | \$174.7 | \$178.1 | \$181.7 | \$6,236.9 |
| NON-RESIDENTIAL SPACE GROWTH | | | | | | | | | |
| - Growth in Square Metres | 36,294 | 37,477 | 39,055 | 40,239 | 41,422 | 42,606 | 44,184 | 45,762 | 612,699 |
| REVENUE | | | | | | | | | |
| - DC Receipts: Inflated | \$647.0 | \$681.5 | \$724.4 | \$761.3 | \$799.3 | \$838.6 | \$887.1 | \$937.1 | \$7,404.3 |
| INTEREST | | | | | | | | | |
| - Interest on Opening Balance | (\$214.2) | (\$198.7) | (\$180.5) | (\$159.1) | (\$134.6) | (\$106.9) | (\$75.6) | (\$40.1) | (\$3,377.5) |
| - Interest on In-year Transactions | \$8.6 | \$9.1 | \$9.8 | \$10.4 | \$11.0 | \$11.6 | \$12.4 | \$13.2 | (\$5.3) |
| TOTAL REVENUE | \$441.4 | \$491.9 | \$553.7 | \$612.6 | \$675.7 | \$743.4 | \$823.9 | \$910.3 | \$4,021.5 |
| CLOSING CASH BALANCE | (\$3,612.0) | (\$3,281.4) | (\$2,892.3) | (\$2,447.5) | (\$1,943.1) | (\$1,374.3) | (\$728.6) | (\$0.0) | |

2023 Adjusted Charge Per Square Metre \$14.34

| Allocation of Capital Program | |
|------------------------------------|-------|
| Residential Sector | 63.7% |
| Retail Sector | 16.1% |
| Non-Retail Sector | 20.2% |
| Rates for 2023 | |
| Inflation Rate | 2.0% |
| Interest Rate on Positive Balances | 3.5% |
| Interest Rate on Negative Balances | 5.5% |
| | |



APPENDIX E.2 TABLE 2-3

CITY OF BARRIE

CASHFLOW AND DETERMINATION OF DEVELOPMENT CHARGE WATER SERVICES - DISTRIBUTION SYSTEMS NON-RETAIL DEVELOPMENT CHARGE (in \$000)

| WATER SERVICES - DISTRIBUTION SYSTEMS | 2023 | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | 2030 | 2031 | 2032 |
|---|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| OPENING CASH BALANCE | (\$1,174.6) | (\$6,098.7) | (\$6,101.1) | (\$6,056.6) | (\$5,961.0) | (\$5,809.0) | (\$5,596.3) | (\$5,317.6) | (\$4,967.2) | (\$4,656.2) |
| 2023 - 2041 NON-RESIDENTIAL FUNDING REQUIR | EMENTS | | | | | | | | | |
| - Prior Growth (Funding from DC Reserve Balanc | \$0.00 | \$0.0 | \$0.0 | \$0.0 | \$0.0 | \$0.0 | \$0.0 | \$0.0 | \$0.0 | \$0.0 |
| - Water Services - Distribution Systems: Non Infl | \$5,073.6 | \$61.4 | \$61.4 | \$61.4 | \$61.4 | \$61.4 | \$61.4 | \$61.4 | \$159.3 | \$159.3 |
| - Water Services - Distribution Systems: Inflated | \$5,073.6 | \$62.7 | \$63.9 | \$65.2 | \$66.5 | \$67.8 | \$69.2 | \$70.6 | \$186.7 | \$190.4 |
| NON-RESIDENTIAL SPACE GROWTH | | | | | | | | | | |
| - Non-Retail Growth in Square Metres | 39,366 | 43,729 | 48,092 | 52,440 | 56,863 | 61,211 | 65,574 | 69,937 | 74,285 | 67,169 |
| REVENUE | | | | | | | | | | |
| - DC Receipts: Inflated | \$344.2 | \$389.9 | \$437.4 | \$486.5 | \$538.1 | \$590.8 | \$645.6 | \$702.3 | \$760.9 | \$701.8 |
| INTEREST | | | | | | | | | | |
| - Interest on Opening Balance | (\$64.6) | (\$335.4) | (\$335.6) | (\$333.1) | (\$327.9) | (\$319.5) | (\$307.8) | (\$292.5) | (\$273.2) | (\$256.1) |
| - Interest on In-year Transactions | (\$130.1) | \$5.7 | \$6.5 | \$7.4 | \$8.3 | \$9.2 | \$10.1 | \$11.1 | \$10.0 | \$8.9 |
| TOTAL REVENUE | \$149.5 | \$60.2 | \$108.4 | \$160.8 | \$218.5 | \$280.5 | \$347.9 | \$420.9 | \$497.8 | \$454.6 |
| CLOSING CASH BALANCE | (\$6,098.7) | (\$6,101.1) | (\$6,056.6) | (\$5,961.0) | (\$5,809.0) | (\$5,596.3) | (\$5,317.6) | (\$4,967.2) | (\$4,656.2) | (\$4,392.0) |

| WATER SERVICES - DISTRIBUTION SYSTEMS | 2034 | 2035 | 2036 | 2037 | 2038 | 2039 | 2040 | 2041 | TOTAL |
|---|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-----------|-------------|
| OPENING CASH BALANCE | (\$4,101.0) | (\$3,781.5) | (\$3,414.6) | (\$3,012.8) | (\$2,530.5) | (\$1,993.6) | (\$1,393.1) | (\$730.8) | |
| 2023 - 2041 NON-RESIDENTIAL FUNDING REQUIR | EMENTS | | | | | | | | |
| - Water Services - Distribution Systems: Non Infl | \$159.3 | \$159.3 | \$159.3 | \$159.3 | \$159.3 | \$159.3 | \$159.3 | \$159.3 | \$7,256.3 |
| - Water Services - Distribution Systems: Inflated | \$198.1 | \$202.1 | \$206.1 | \$210.2 | \$214.4 | \$218.7 | \$223.1 | \$227.6 | \$7,811.1 |
| NON-RESIDENTIAL SPACE GROWTH | | | | | | | | | |
| - Non-Retail Growth in Square Metres | 67,510 | 69,185 | 69,461 | 73,430 | 74,704 | 76,376 | 77,553 | 78,908 | 1,233,126 |
| REVENUE | | | | | | | | | |
| - DC Receipts: Inflated | \$733.8 | \$767.1 | \$785.6 | \$847.0 | \$879.0 | \$916.6 | \$949.4 | \$985.3 | \$9,448.7 |
| INTEREST | | | | | | | | | |
| - Interest on Opening Balance | (\$225.6) | (\$208.0) | (\$187.8) | (\$165.7) | (\$139.2) | (\$109.6) | (\$76.6) | (\$40.2) | (\$3,874.2) |
| - Interest on In-year Transactions | \$9.4 | \$9.9 | \$10.1 | \$11.1 | \$11.6 | \$12.2 | \$12.7 | \$13.3 | (\$3.2) |
| TOTAL REVENUE | \$517.7 | \$569.0 | \$607.9 | \$692.5 | \$751.4 | \$819.2 | \$885.5 | \$958.3 | \$5,571.3 |
| CLOSING CASH BALANCE | (\$3,781.5) | (\$3,414.6) | (\$3,012.8) | (\$2,530.5) | (\$1,993.6) | (\$1,393.1) | (\$730.8) | (\$0.0) | |

2023 Adjusted Charge Per Square Metre \$8.74

| Allocation of Capital Program | |
|------------------------------------|-------|
| Residential Sector | 63.7% |
| Retail Sector | 16.1% |
| Non-Retail Sector | 20.2% |
| | |
| Rates for 2023 | |
| Inflation Rate | 2.0% |
| Interest Rate on Positive Balances | 3.5% |
| Interest Rate on Negative Balances | 5.5% |
| | |



Appendix E.3 Former Municipal Boundary: Wastewater Services – Collection Systems



Wastewater Services – Collection Systems

This appendix provides a brief outline of the infrastructure included in the Wastewater Services – Collection Systems development charge. The development-related projects outlined in this appendix are required to service the demands of new development within the Former Municipal Boundary to 2041.

The following describes the components included in the Wastewater Services – Collection Systems service category. The analysis is set out in the tables which follow. The tables include:

Table E.3-1 2023-2041 Development-Related Capital Forecast and Calculation of the Discounted Growth-Related Net Capital Costs

Table E.2-2 Cash Flow Analysis

A. Development-Related Capital Program

i. Gross Capital Program Costs

The capital program includes for the recovery of a negative reserve fund balance (\$3.63 million), wastewater collection projects (\$158.51 million) and an adjustment for shares of projects which have previously been funded from development charges (\$2.90 million). The total gross cost of the capital program amounts to \$159.23 million.

ii. Grants, Subsidies and Other Recoveries

No grants, subsidies or other recoveries have been identified for this service, therefore no adjustments are made.



iii. Replacement and Benefit to Existing Shares

In total, \$28.52 million has been identified as a benefit to existing or replacement shares for projects and is removed from the total DC eligible costs. If an existing pipe is to be replaced as part of a proposed project, the benefit to existing shares are determined based on the age of the existing pipe and the estimated useful life as well as the cost to replace the existing pipe at the current standard. New wastewater linear assets have no benefit to existing share given these projects would not be constructed in absence of growth and are needed to service future development.

iv. Available DC Reserve Funds

The current reserve fund balance is in a deficit position of \$3.63 million and is included for recovery in the capital program.

v. Other Development-Related / Post-Period Benefit Shares

The projects included in the capital program are required to service growth over the planning horizon. Therefore, no post-period shares of projects have been identified.

vi. 2023-2041 DC Eligible Development Related Costs

After adjusting for ineligible shares of projects, the total DC eligible inperiod recoverable capital costs amount to \$130.71 million and is included for recovery in the DC rate calculation.

B. Cash Flow Analysis

The long-term cash-flow analysis takes into consideration expenditure timing and revenue projections. The adjusted residential charge amounts to \$1,758.66 per capita, the retail cash-flow amounts to \$36.25 per square metre of gross floor area and non-retail amounts to \$22.32 per square metre.



The following table summarizes the calculation of the Wastewater Services

- Collection Systems development charge:

| | | WASIEV | VATER SERVICES - C | OLLECTION SYSTEMS | SUMMART | | |
|----------------|-----------------------|------------|--------------------|-------------------|------------|-----------------|---------------------|
| 202 | 23 - 2041 | | Unadjusted | | | Adjusted | |
| Development-Re | lated Capital Program | | Development Charge | е | | Development Cha | rge |
| Total | Net DC Recoverable | \$/capita | Retail \$/sq.m | Non-Retail\$/sq.m | \$/capita | Retail \$/sq.m | Non- Retail \$/sq.n |
| \$159,230,050 | \$159,230,050 | \$1,719.05 | \$34.38 | \$21.39 | \$1,758.66 | \$36.25 | \$22.32 |



CITY OF BARRIE AREA-SPECIFIC DEVELOPMENT CHARGES FORMER CITY OF BARRIE

DEVELOPMENT-RELATED CAPITAL PROGRAM WASTEWATER SERVICES - COLLECTION SYSTEMS

| | | | Gross | Grants/ | | Net | Ineligib | ie Co | SIS | - 1 | otal | | DC | Eligible Costs | |
|--|------|--------|------------------|-----------------------------|----|-------------------|-----------------------------|-------|-------------------------|-------|-------------------|--------------------------|----|----------------|------------|
| oject Description | Tir | ming | Project Cost | Subsidies/Oth Recoveries | er | Municipal Cost | Replacement & BTE Shares | l | placement STE Shares | | Eligible Costs | Available DC Reserves | | 2023- 2041 | Post 2041* |
| STEWATER SERVICES - COLLECTION SYSTEMS | | | | | | | | | | | | | | | |
| 1.0 Recovery of Negative Reserve Fund Balance | | | | | | | | | | | | | | | |
| 1.1.1 Balance as of December 31, 2022 | 2023 | - 2023 | \$ 3,625,232 | \$ - | \$ | 3,625,232 | 0% | \$ | - | \$: | 3,625,232 | \$ - | \$ | 3,625,232 | \$ |
| Subtotal Recovery of Negative Reserve Fund Balance | | | \$ 3,625,232 | \$ - | \$ | 3,625,232 | | \$ | - | \$ 3 | 3,625,232 | \$ - | \$ | 3,625,232 | \$ |
| 2.0 Wastewater Collection Systems | | | | | | | | | | | | | | | |
| 2.1.1 Flow Monitoring Program for I/I investigation, Project WC2018-04 | 2023 | - 2041 | \$ 10,000,000 | \$ - | \$ | 10,000,000 | 0% | \$ | - | \$ 10 | 0,000,000 | \$ - | \$ | 10,000,000 | \$ |
| 7.1.2 Tiffin Street sanitary sewer, sewer replacement to meet City's level of service requirements with future growth, replace 114m of existing 450mm with new 600mm, typical depth =6.5m | 2032 | - 2041 | \$ 663,389 | \$ - | \$ | 663,389 | 20% | \$ | 135,060 | \$ | 528,329 | \$ - | \$ | 528,329 | \$ |
| 2.1.3 Stunden Lane sanitary sewer, Sewer replacement to meet City's level of service requirements with future growth, replace 281m of existing 375 with new 525mmm, typical depth=9.5m | 2032 | - 2041 | \$ 2,059,724 | \$ - | \$ | 2,059,724 | 29% | \$ | 587,864 | \$ | 1,471,860 | \$ - | \$ | 1,471,860 | \$ |
| 2.1.4 Lakeshore South Trunk Sewer, sewer twin to meet City's level of service requirements with future growth, twin 754m of existing 900mm with new 1050mm, typical depth=11m | 2032 | - 2041 | \$ 81,673,624 | \$ - | \$ | 81,673,624 | 11% | \$ | 9,049,058 | \$ 72 | 2,624,566 | \$ - | \$ | 72,624,566 | \$ |
| Easement south of Tiffin sanitary sewer, sewer replacement to meet City's level of service requirements with future growth, replace 707m of existing 600mm with new 750mm, typical | 2032 | - 2041 | \$ 5,214,765 | \$ - | \$ | 5,214,765 | 26% | \$ | 1,342,573 | \$ | 3,872,192 | \$ - | \$ | 3,872,192 | \$ |
| depth=5.5m Mapleview Drive West, Veterans to Hwy, sewer replacement to meet City's level of service | | | | | | | | | | | | | | | |
| 2.1.6 requirements with future growth, replace 1347m of existing 600mm with new 675mm, typical depth=9m | 2032 | - 2041 | \$ 11,262,703 | \$ - | \$ | 11,262,703 | 32% | \$ | 3,610,549 | \$ | 7,652,154 | \$ - | \$ | 7,652,154 | \$ |
| 2.1.7 Brock Street sanitary sewer, sewer replacement to meet City's level of service requirements for future growth, replace 1609m of existing 750mm with new 900mm, typical depth=5m | 2032 | - 2041 | \$ 12,693,102 | \$ - | \$ | 12,693,102 | 55% | \$ | 7,011,071 | \$! | 5,682,031 | \$ - | \$ | 5,682,031 | \$ |
| 2.1.8 Brock Street sanitary sewer, sewer replacement to meet City's level of service requirements for future growth, replace 119m of existing 825mm with new 900mm, tyipcal depth=6m | 2032 | - 2041 | \$ 1,016,304 | \$ - | \$ | 1,016,304 | 55% | \$ | 561,358 | \$ | 454,946 | \$ - | \$ | 454,946 | \$ |
| 2.1.9 Kierland Road sanitary sewer, sewer replacement to meet City's level of service requirements for future growth, replace 446m of existing 525mm with new 600mm, typical depth=5.5m | 2032 | - 2041 | \$ 2,377,469 | \$ - | \$ | 2,377,469 | 33% | \$ | 789,506 | \$: | 1,587,963 | \$ - | \$ | 1,587,963 | \$ |
| 2.1.10 Patterson Road sanitary sewer, sewer replacement to meet City's level of service requirements for future growth, replace 10m of existing 250mm with new 300mm, typical depth=4m | 2032 | - 2041 | \$ 30,418 | \$ - | \$ | 30,418 | 11% | \$ | 3,489 | \$ | 26,929 | \$ - | \$ | 26,929 | \$ |
| 2.1.11 Tiffin Street Sanitary Sewer, sewer replacement to meet City's level of service under existing conditions, replace 1352m of existing 600mm with new 900mm, typical depth=7.5m | 2023 | - 2023 | \$ 12,936,299 | \$ - | \$ | 12,936,299 | 31% | \$ | 3,975,158 | \$ 8 | 8,961,141 | \$ - | \$ | 8,961,141 | \$ |
| 2.1.12 Tiffin Street sanitary sewer, sewer replacement to meet City's level of service under existing conditions, replace 240m of 750mm with new 900mm, typical depth=7m | 2023 | - 2023 | \$ 2,214,152 | \$ - | \$ | 2,214,152 | 0% | \$ | - | \$ 2 | 2,214,152 | \$ - | \$ | 2,214,152 | \$ |
| Sanitary sewer downstream of Minets Point PS, (on White Oaks Dirve and easement from White 2.1.13 Oaks Drive to Lakeshore) sewer replacement to meet City's level of service requirements under existing conditions, replace 220m of existing 250mm with new 375mm, typical depth=6m Mapleview Drive sanitary sewer east of Holly PS, sewer replacement to meet City's level of | 2023 | - 2023 | \$ 1,020,740 | \$ - | \$ | 1,020,740 | 24% | \$ | 240,066 | \$ | 780,674 | \$ - | \$ | 780,674 | \$ |
| 2.1.14 service requirements under existing conditions, replace 28m of existing 450mm with new 525mm, typical depth=4m | 2023 | - 2023 | \$ 462,605 | \$ - | \$ | 462,605 | 32% | \$ | 147,965 | \$ | 314,640 | \$ - | \$ | 314,640 | \$ |
| 2.1.15 Monitoring and assessment of Penetanguishene Sideroad sanitary sewer, downstream of PS1, to confirm need for sewer replacement to meet City's level of service requirements | 2023 | - 2023 | \$ 392,209 | \$ - | \$ | 392,209 | 0% | \$ | - | \$ | 392,209 | \$ - | \$ | 392,209 | \$ |



CITY OF BARRIE AREA-SPECIFIC DEVELOPMENT CHARGES FORMER CITY OF BARRIE DEVELOPMENT-RELATED CAPITAL PROGRAM

WASTEWATER SERVICES - COLLECTION SYSTEMS

| | | | Gross | Grants/ | | Net | Ineligible Costs | | | Total | DC Eligible Costs | | | | |
|--|------|--------|----------------|-----------|-------|----------------|------------------|---------|---------|----------------|-------------------|----------------|----|-------|--|
| roject Description | Ti | ming | Project | Subsidies | Other | Municipal | Replacement | Replac | ement | DC Eligible | Available | 2023- | | Post | |
| | | | Cost | Recove | ries | Cost | & BTE Shares | & BTE | Shares | Costs | DC Reserves | 2041 | | 2041* | |
| Penvil Trail sanitary sewer, sewer replacement to meet City's level of service requirements under | | | | | | | | | | | | | | | |
| existing conditions, replace 737m of existing 250mm with new 375mm, typical depth=3.5m, replace 212m of existing 375mm with new 450mm (typical depth of 7,5m), replace 64m of existing | 2023 | - 2023 | \$ 2,689,098 | \$ \$ | - | \$ 2,689,098 | 12% | \$ | 331,314 | \$ 2,357,784 | \$ - | \$ 2,357,784 | \$ | | |
| 250mm with new 300mm (typical depth of 3.5m) Bear Eco sanitary sewer, sewer replacement to meet City's level of service requirements under | | | | | | | | | | | | | | | |
| 2.1.17 existing conditions, replace 840m of existing 250mm sanitary sewer with new 375mm, typical depth=5.5m | 2023 | - 2023 | \$ 3,233,429 | \$ | - | \$ 3,233,429 | 18% | \$! | 587,261 | \$ 2,646,168 | \$ - | \$ 2,646,168 | \$ | | |
| 2.1.18 Monitoring and assessment of Lougheed Road sanitary sewer (375mm) to confirm need for sewer replacement to meet City's level of service requirements | 2023 | - 2023 | \$ 108,000 | \$ | - | \$ 108,000 | 0% | \$ | - | \$ 108,000 | \$ - | \$ 108,000 | \$ | | |
| 2.1.19 Monitoring and assessment of Montserrand Street sanitary sewer (300mm) to confirm need for sewer replacement to meet City's level of service requirements | 2023 | - 2023 | \$ 108,000 | \$ | - | \$ 108,000 | 0% | \$ | - | \$ 108,000 | \$ - | \$ 108,000 | \$ | | |
| 2.1.20 Ardagh Street, Essa to Morrow, replace 220m of existing 250mm diameter sanitary sewer with new 300mm diameter (typical depth of 3.5m) | 2023 | - 2023 | \$ 645,509 | \$ | - | \$ 645,505 | 23% | \$ | 146,108 | \$ 499,397 | \$ - | \$ 499,397 | \$ | | |
| 2.1.21 Morrow Road, Ardagh to 2017 construction limits, replace 595m of existing 250mm diameter sanitary sewer with new 375mm diameter (typical depth of 3.5m) | 2023 | - 2023 | \$ 2,170,98 | \$ | - | \$ 2,170,981 | 0% | \$ | - | \$ 2,170,981 | \$ - | \$ 2,170,981 | \$ | | |
| 2.1.22 Monitoring and assessment of Duckworth Street sanitary sewer (375mm) to confirm need for sewer replacement to meet City's level of service requirements | 2023 | - 2023 | \$ 108,000 | \$ | - | \$ 108,000 | 0% | \$ | - | \$ 108,000 | \$ - | \$ 108,000 | \$ | | |
| 2.1.23 Pumping Station 1 Improvements, increase storage by 95m3 | 2032 | - 2041 | \$ 882,229 | \$ | - | \$ 882,229 | 0% | \$ | - | \$ 882,229 | \$ - | \$ 882,229 | \$ | | |
| 2.1.24 PS 1 Improvements - Twin 253m of 400mm diameter forcemain | 2023 | - 2023 | \$ 1,906,72 | . \$ | - | \$ 1,906,721 | 0% | \$ | - | \$ 1,906,721 | \$ - | \$ 1,906,721 | \$ | | |
| 2.1.25 PS2 Improvements - Twin 343m - 250mm diameter forcemain | 2023 | - 2023 | \$ 1,193,078 | \$ | - | \$ 1,193,078 | 0% | \$ | - | \$ 1,193,078 | \$ - | \$ 1,193,078 | \$ | | |
| 2.1.26 PS 12 Improvements Capacity Increase at Tynedale PS (PS12), to firm capacity of 15 L/s | 2032 | - 2041 | \$ 357,178 | \$ | - | \$ 357,178 | 0% | \$ | - | \$ 357,178 | \$ - | \$ 357,178 | \$ | | |
| 2.1.27 PS 12 Improvements -Twin 375m-100mm diameter forcemain | 2023 | - 2023 | \$ 1,086,988 | \$ | - | \$ 1,086,988 | 0% | \$ | - | \$ 1,086,988 | \$ - | \$ 1,086,988 | \$ | | |
| Subtotal Wastewater Collection Systems | | | \$ 158,506,710 | \$ | - | \$ 158,506,710 | | \$ 28, | 518,400 | \$ 129,988,310 | \$ - | \$ 129,988,310 | \$ | | |
| 3.0 Adjustment For Funded Shares Of Projects | | | | | | | | | | | | | | | |
| 3.1.1 Prior funded shares of projects | 2023 | - 2023 | \$ (2,901,89) |) \$ | - | \$ (2,901,891) | 0% | \$ | - | \$ (2,901,891) | \$ - | \$ (2,901,891 | \$ | | |
| Subtotal Adjustment For Funded Shares Of Projects | | | \$ (2,901,89) | .) \$ | - | \$ (2,901,891) | | \$ | - | \$ (2,901,891) | \$ - | \$ (2,901,891 | \$ | | |
| | | | | | | | | | | | | | | | |
| OTAL WASTEWATER SERVICES - COLLECTION SYSTEMS | | | \$ 159,230,050 | \$ | - | \$ 159,230,050 | | \$ 28,5 | 18,400 | \$ 130,711,650 | \$ - | \$ 130,711,650 | \$ | | |

^{*}Development related costs to be considered for funding from other tools and/or future DC Studies.

| Residential Development Charge Calculation | | |
|---|-------|--------------|
| Residential Share of 2023 - 2041 DC Eligible Costs | 63.7% | \$83,264,062 |
| Long-Term Growth in Population in New Units | | 48,436 |
| Unadjusted Development Charge Per Capita | | \$1,719.05 |
| Non-Residential Retail Development Charge Calculation | | |
| Non-Residential Share of 2023 - 2041 DC Eligible Costs | 16.1% | \$21,065,278 |
| Long-Term Growth in Square Metres | | 612,700 |
| Unadjusted Development Charge Per Square Metre | | \$34.38 |
| Non-Residential Non-Retail Development Charge Calculation | | |
| Non-Residential Share of 2023 - 2041 DC Eligible Costs | 20.2% | \$26,382,310 |
| Long-Term Growth in Square Metres | | 1,233,120 |
| Unadjusted Development Charge Per Square Metre | | \$21.39 |

Current Reserve Fund Balance (\$3,625,232)



APPENDIX E.3 TABLE 2-1

CITY OF BARRIE

CASHFLOW AND DETERMINATION OF DEVELOPMENT CHARGE WASTEWATER SERVICES - COLLECTION SYSTEMS RESIDENTIAL DEVELOPMENT CHARGE (in \$000)

| WASTEWATER SERVICES - COLLECTION SYSTEM | 2023 | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | 2030 | 2031 | 2032 |
|--|--------------|--------------|--------------|-------------|-------------|-----------|------------|------------|------------|------------|
| OPENING CASH BALANCE | (\$2,309.3) | (\$14,955.0) | (\$11,064.2) | (\$6,721.6) | (\$3,264.2) | \$1,622.1 | \$6,466.7 | \$10,030.9 | \$14,701.4 | \$17,437.0 |
| 2023 - 2041 RESIDENTIAL FUNDING REQUIREMENTS | | | | | | | | | | |
| - Prior Growth (Funding from DC Reserve Balance) | \$0.00 | \$0.0 | \$0.0 | \$0.0 | \$0.0 | \$0.0 | \$0.0 | \$0.0 | \$0.0 | \$0.0 |
| - Wastewater Services - Collection Systems: Non Infl | \$16,624.31 | \$335.3 | \$335.3 | \$335.3 | \$335.3 | \$335.3 | \$335.3 | \$335.3 | \$335.3 | \$6,395.8 |
| - Wastewater Services - Collection Systems: Inflated | \$16,624.3 | \$342.0 | \$348.8 | \$355.8 | \$362.9 | \$370.2 | \$377.6 | \$385.1 | \$392.8 | \$7,643.5 |
| NEW RESIDENTIAL DEVELOPMENT | | | | | | | | | | |
| - Population Growth in New Units | 2,525 | 2,773 | 2,564 | 2,206 | 2,806 | 2,614 | 1,847 | 2,292 | 1,250 | 2,294 |
| REVENUE | | | | | | | | | | |
| - DC Receipts: Inflated | \$4,440.6 | \$4,974.3 | \$4,691.39 | \$4,117.1 | \$5,341.6 | \$5,075.6 | \$3,658.1 | \$4,630.2 | \$2,575.7 | \$4,821.5 |
| INTEREST | | | | | | | | | | |
| - Interest on Opening Balance | (\$127.0) | (\$822.5) | \$0.0 | (\$369.7) | (\$179.5) | \$56.8 | \$226.3 | \$351.1 | \$514.5 | \$610.3 |
| - Interest on In-year Transactions | (\$335.1) | \$81.1 | \$0.0 | \$65.8 | \$87.1 | \$82.3 | \$57.4 | \$74.3 | \$38.2 | (\$77.6) |
| TOTAL REVENUE | \$3,978.6 | \$4,232.8 | \$4,691.4 | \$3,813.2 | \$5,249.2 | \$5,214.7 | \$3,941.8 | \$5,055.6 | \$3,128.4 | \$5,354.1 |
| CLOSING CASH BALANCE | (\$14,955.0) | (\$11,064.2) | (\$6,721.6) | (\$3,264.2) | \$1,622.1 | \$6,466.7 | \$10,030.9 | \$14,701.4 | \$17,437.0 | \$15,147.6 |

| WASTEWATER SERVICES - COLLECTION SYSTEMS | 2034 | 2035 | 2036 | 2037 | 2038 | 2039 | 2040 | 2041 | TOTAL |
|---|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|---------------------------|
| OPENING CASH BALANCE | \$12,962.4 | \$10,961.0 | \$9,129.1 | \$7,670.4 | \$5,958.2 | \$4,153.7 | \$2,466.5 | \$1,118.9 | |
| 2023 - 2041 RESIDENTIAL FUNDING REQUIREMENTS - Wastewater Services - Collection Systems: Non Infla - Wastewater Services - Collection Systems: Inflated | \$6,395.8 \$7,952.3 | \$6,395.8 \$8,111.4 | \$6,395.8 \$8,273.6 | \$6,395.8 \$8,439.1 | \$6,395.8 \$8,607.9 | \$6,395.8 \$8,780.0 | \$6,395.8 \$8,955.6 | \$6,395.8 \$9,134.7 | \$83,264.1 \$103,253.9 |
| NEW RESIDENTIAL DEVELOPMENT - Population Growth in New Units | 2,544 | 2,670 | 2,876 | 2,806 | 2,809 | 2,898 | 3,070 | 3,188 | 48,436 |
| REVENUE - DC Receipts: Inflated | \$5,562.9 | \$5,955.2 | \$6,543.0 | \$6,511.4 | \$6,648.7 | \$6,996.5 | \$7,560.0 | \$8,007.6 | \$103,265.1 |
| INTEREST - Interest on Opening Balance - Interest on In-year Transactions | \$453.7 (\$65.7) | \$383.6 (\$59.3) | \$319.5 (\$47.6) | \$268.5 (\$53.0) | \$208.5 (\$53.9) | \$145.4 (\$49.0) | \$86.3 (\$38.4) | \$39.2 (\$31.0) | \$2,695.2 (\$397.0) |
| TOTAL REVENUE | \$5,950.9 | \$6,279.5 | \$6,814.9 | \$6,726.8 | \$6,803.4 | \$7,092.9 | \$7,608.0 | \$8,015.8 | \$105,563.2 |
| CLOSING CASH BALANCE | \$10,961.0 | \$9,129.1 | \$7,670.4 | \$5,958.2 | \$4,153.7 | \$2,466.5 | \$1,118.9 | \$0.0 | |

| 2023 Adjusted Charge Per Capita | \$1,758.66 |
|---------------------------------|------------|
| | |

| Allocation of Capital Program | |
|------------------------------------|-------|
| Residential Sector | 63.7% |
| Non-Residential Sector | 36.3% |
| | |
| Rates for 2023 | |
| Inflation Rate | 2.0% |
| Interest Rate on Positive Balances | 3.5% |
| Interest Rate on Negative Balances | 5.5% |
| | |



APPENDIX E.3 TABLE 2-2

CITY OF BARRIE

CASHFLOW AND DETERMINATION OF DEVELOPMENT CHARGE WASTEWATER SERVICES - COLLECTION SYSTEMS RETAIL DEVELOPMENT CHARGE

(in \$000)

| WASTEWATER SERVICES - COLLECTION SYSTEMS | 2023 | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | 2030 | 2031 | 2032 |
|--|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-----------|-----------|-----------|
| OPENING CASH BALANCE | (\$584.2) | (\$4,305.6) | (\$3,922.0) | (\$3,432.4) | (\$2,827.8) | (\$2,098.6) | (\$1,234.6) | (\$225.1) | \$940.2 | \$2,255.9 |
| 2023 - 2041 NON-RESIDENTIAL FUNDING REQUIREMENT: | 3 | | | | | | | | | |
| - Prior Growth (Funding from DC Reserve Balance) | \$0.00 | \$0.0 | \$0.0 | \$0.0 | \$0.0 | \$0.0 | \$0.0 | \$0.0 | \$0.0 | \$0.0 |
| - Wastewater Services - Collection Systems: Non Inflated | \$4,205.8 | \$84.8 | \$84.8 | \$84.8 | \$84.8 | \$84.8 | \$84.8 | \$84.8 | \$84.8 | \$1,618.1 |
| - Wastewater Services - Collection Systems: Inflated | \$4,205.8 | \$86.5 | \$88.2 | \$90.0 | \$91.8 | \$93.6 | \$95.5 | \$97.4 | \$99.4 | \$1,933.8 |
| NON-RESIDENTIAL SPACE GROWTH | | | | | | | | | | |
| - Growth in Square Metres | 16,974 | 18,829 | 20,719 | 22,609 | 24,499 | 26,388 | 28,278 | 30,133 | 32,023 | 30,098 |
| REVENUE | | | | | | | | | | |
| - DC Receipts: Inflated | \$615.3 | \$696.2 | \$781.4 | \$869.8 | \$961.3 | \$1,056.2 | \$1,154.5 | \$1,254.8 | \$1,360.2 | \$1,304.0 |
| INTEREST | | | | | | | | | | |
| - Interest on Opening Balance | (\$32.1) | (\$236.8) | (\$215.7) | (\$188.8) | (\$155.5) | (\$115.4) | (\$67.9) | (\$12.4) | \$32.9 | \$79.0 |
| - Interest on In-year Transactions | (\$98.7) | \$10.7 | \$12.1 | \$13.6 | \$15.2 | \$16.8 | \$18.5 | \$20.3 | \$22.1 | (\$17.3) |
| TOTAL REVENUE | \$484.5 | \$470.1 | \$577.9 | \$694.6 | \$821.0 | \$957.6 | \$1,105.1 | \$1,262.7 | \$1,415.1 | \$1,365.6 |
| CLOSING CASH BALANCE | (\$4,305.6) | (\$3,922.0) | (\$3,432.4) | (\$2,827.8) | (\$2,098.6) | (\$1,234.6) | (\$225.1) | \$940.2 | \$2,255.9 | \$1,687.8 |

| WASTEWATER SERVICES - COLLECTION SYSTEMS | 2034 | 2035 | 2036 | 2037 | 2038 | 2039 | 2040 | 2041 | TOTAL |
|--|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|--------------------------|
| OPENING CASH BALANCE | \$1,314.4 | \$974.1 | \$670.0 | \$424.6 | \$223.5 | \$70.2 | (\$31.1) | (\$56.3) | |
| 2023 - 2041 NON-RESIDENTIAL FUNDING REQUIREMENTS - Wastewater Services - Collection Systems: Non Inflated - Wastewater Services - Collection Systems: Inflated | \$1,618.1 \$2,011.9 | \$1,618.1 \$2,052.1 | \$1,618.1 \$2,093.2 | \$1,618.1 \$2,135.0 | \$1,618.1 \$2,177.7 | \$1,618.1 \$2,221.3 | \$1,618.1 \$2,265.7 | \$1,618.1 \$2,311.0 | \$21,065.3 \$26,122.6 |
| NON-RESIDENTIAL SPACE GROWTH - Growth in Square Metres | 36,294 | 37,477 | 39,055 | 40,239 | 41,422 | 42,606 | 44,184 | 45,762 | 612,699 |
| REVENUE - DC Receipts: Inflated | \$1,635.9 | \$1,723.0 | \$1,831.5 | \$1,924.8 | \$2,021.0 | \$2,120.3 | \$2,242.8 | \$2,369.4 | \$18,720.5 |
| INTEREST - Interest on Opening Balance - Interest on In-year Transactions | \$46.0 (\$10.3) | \$34.1 (\$9.0) | \$23.5 (\$7.2) | \$14.9 (\$5.8) | \$7.8 (\$4.3) | \$2.5 (\$2.8) | (\$1.7) (\$0.6) | (\$3.1) \$1.0 | (\$735.3) (\$30.6) |
| TOTAL REVENUE | \$1,671.6 | \$1,748.1 | \$1,847.8 | \$1,933.8 | \$2,024.5 | \$2,120.0 | \$2,240.5 | \$2,367.3 | \$17,954.5 |
| CLOSING CASH BALANCE | \$974.1 | \$670.0 | \$424.6 | \$223.5 | \$70.2 | (\$31.1) | (\$56.3) | \$0.0 | |

2023 Adjusted Charge Per Square Metre \$36.25

| Allocation of Capital Program | |
|------------------------------------|-------|
| Residential Sector | 63.7% |
| Retail Sector | 16.1% |
| Non-Retail Sector | 20.2% |
| Rates for 2023 | |
| Inflation Rate | 2.0% |
| Interest Rate on Positive Balances | 3.5% |
| Interest Rate on Negative Balances | 5.5% |
| | |



APPENDIX E.3 TABLE 2-3

CITY OF BARRIE

CASHFLOW AND DETERMINATION OF DEVELOPMENT CHARGE WASTEWATER SERVICES - COLLECTION SYSTEMS NON-RETAIL DEVELOPMENT CHARGE (in \$000)

| WASTEWATER SERVICES - COLLECTION SYST | 2023 | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | 2030 | 2031 | 2032 |
|---|-------------|-------------|-------------|-------------|-------------|-------------|-----------|-----------|-----------|-----------|
| OPENING CASH BALANCE | (\$731.7) | (\$5,281.5) | (\$4,669.3) | (\$3,902.3) | (\$2,967.9) | (\$1,850.4) | (\$536.8) | \$988.9 | \$2,723.7 | \$4,668.9 |
| 2023 - 2041 NON-RESIDENTIAL FUNDING REQUIR | EMENTS | | | | | | | | | |
| - Prior Growth (Funding from DC Reserve Balanc | \$0.00 | \$0.0 | \$0.0 | \$0.0 | \$0.0 | \$0.0 | \$0.0 | \$0.0 | \$0.0 | \$0.0 |
| - Wastewater Services - Collection Systems: Non | \$5,267.4 | \$106.2 | \$106.2 | \$106.2 | \$106.2 | \$106.2 | \$106.2 | \$106.2 | \$106.2 | \$2,026.5 |
| - Wastewater Services - Collection Systems: Infla | \$5,267.4 | \$108.4 | \$110.5 | \$112.7 | \$115.0 | \$117.3 | \$119.6 | \$122.0 | \$124.5 | \$2,421.9 |
| NON-RESIDENTIAL SPACE GROWTH | | | | | | | | | | |
| - Non-Retail Growth in Square Metres | 39,366 | 43,729 | 48,092 | 52,440 | 56,863 | 61,211 | 65,574 | 69,937 | 74,285 | 67,169 |
| REVENUE | | | | | | | | | | |
| - DC Receipts: Inflated | \$878.6 | \$995.5 | \$1,116.7 | \$1,242.0 | \$1,373.7 | \$1,508.3 | \$1,648.1 | \$1,793.0 | \$1,942.5 | \$1,791.6 |
| INTEREST | | | | | | | | | | |
| - Interest on Opening Balance | (\$40.2) | (\$290.5) | (\$256.8) | (\$214.6) | (\$163.2) | (\$101.8) | (\$29.5) | \$34.6 | \$95.3 | \$163.4 |
| - Interest on In-year Transactions | (\$120.7) | \$15.5 | \$17.6 | \$19.8 | \$22.0 | \$24.3 | \$26.7 | \$29.2 | \$31.8 | (\$17.3) |
| TOTAL REVENUE | \$717.6 | \$720.5 | \$877.5 | \$1,047.1 | \$1,232.5 | \$1,430.9 | \$1,645.4 | \$1,856.8 | \$2,069.7 | \$1,937.6 |
| CLOSING CASH BALANCE | (\$5,281.5) | (\$4,669.3) | (\$3,902.3) | (\$2,967.9) | (\$1,850.4) | (\$536.8) | \$988.9 | \$2,723.7 | \$4,668.9 | \$4,184.7 |

| WASTEWATER SERVICES - COLLECTION SYST | 2034 | 2035 | 2036 | 2037 | 2038 | 2039 | 2040 | 2041 | TOTAL |
|--|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|--------------------------|
| OPENING CASH BALANCE | \$3,675.2 | \$3,139.7 | \$2,621.0 | \$2,079.7 | \$1,626.9 | \$1,187.1 | \$774.6 | \$376.3 | |
| 2023 - 2041 NON-RESIDENTIAL FUNDING REQUIRE | EMENTS | | | | | | | | |
| - Wastewater Services - Collection Systems: Non - Wastewater Services - Collection Systems: Infla | \$2,026.5 \$2,519.7 | \$2,026.5 \$2,570.1 | \$2,026.5 \$2,621.5 | \$2,026.5 \$2,673.9 | \$2,026.5 \$2,727.4 | \$2,026.5 \$2,782.0 | \$2,026.5 \$2,837.6 | \$2,026.5 \$2,894.3 | \$26,382.3 \$32,716.1 |
| NON-RESIDENTIAL SPACE GROWTH - Non-Retail Growth in Square Metres | 67,510 | 69,185 | 69,461 | 73,430 | 74,704 | 76,376 | 77,553 | 78,908 | 1,233,126 |
| REVENUE - DC Receipts: Inflated | \$1,873.4 | \$1,958.3 | \$2,005.4 | \$2,162.4 | \$2,243.9 | \$2,340.0 | \$2,423.6 | \$2,515.3 | \$24,121.4 |
| INTEREST | | | | | | | | | |
| - Interest on Opening Balance - Interest on In-year Transactions | \$128.6 (\$17.8) | \$109.9 (\$16.8) | \$91.7 (\$16.9) | \$72.8 (\$14.1) | \$56.9 (\$13.3) | \$41.5 (\$12.2) | \$27.1 (\$11.4) | \$13.2 (\$10.4) | (\$253.8) (\$34.1) |
| TOTAL REVENUE | \$1,984.3 | \$2,051.4 | \$2,080.2 | \$2,221.1 | \$2,287.6 | \$2,369.4 | \$2,439.3 | \$2,518.0 | \$23,833.4 |
| CLOSING CASH BALANCE | \$3,139.7 | \$2,621.0 | \$2,079.7 | \$1,626.9 | \$1,187.1 | \$774.6 | \$376.3 | \$0.0 | |

| 2023 Adjusted Charge Per Square Metre | \$22.32 |
|---------------------------------------|---------|
| | |

| Allocation of Capital Program | |
|------------------------------------|-------|
| Residential Sector | 63.7% |
| Retail Sector | 16.1% |
| Non-Retail Sector | 20.2% |
| Rates for 2023 | |
| Inflation Rate | 2.0% |
| Interest Rate on Positive Balances | 3.5% |
| Interest Rate on Negative Balances | 5.5% |
| | |



Appendix E.4 Secondary Plan Areas: Water Services – Distribution Systems



Water Services - Distribution Systems

This appendix provides a brief outline of the infrastructure included in the Water Services – Distribution Systems development charge for the Secondary Plan Areas of Salem & Hewitt's. The development-related projects outlined in this appendix are required to service the demands of new development to 2041 in the Secondary Plan Area.

The following sections describe the individual components included in the Water Services – Distribution Systems service category. The analysis is set out in the tables which follow. The tables include:

Table E.4-1 2023-2041 Development-Related Capital Forecast and Calculation of the Discounted Growth-Related Net Capital Costs

Table E.4-2 Cash Flow Analysis

A. Development-Related Capital Program

i. Gross Capital Program Costs

The capital program includes for the recovery of a negative reserve fund balance (\$12.98 million), linear assets related to water distribution (\$226.25 million), and an adjustment for shares of projects which have previously been funded from development charges (\$12.75 million). The total capital program amounts to \$226.37 million.

ii. Grants, Subsidies and Other Recoveries

No grants, subsidies or other recoveries have been identified for this service, therefore no adjustments are made.



iii. Replacement and Benefit to Existing Shares

The water distribution assets identified in the capital program are required to service growth in the Secondary Plan Areas to 2041. As the program includes net new assets required to service this development, no benefit to existing or replacement shares have been identified.

iv. Available DC Reserve Funds

The current reserve fund balance is in a deficit position of \$12.87 million and is included for recovery in the capital program.

v. Other Development-Related / Post-Period Benefit Shares

The projects included in the capital program are required to service growth over the planning horizon. Therefore, no post-period shares of projects have been identified.

vi. 2023-2041 DC Eligible Development Related Costs

The total DC eligible in-period recoverable capital costs amount to \$226.37 million and is included for recovery in the DC rate calculation.

B. Cash Flow Analysis

The long-term cash-flow analysis takes into consideration expenditure timing and revenue projections. The effect of the analysis is an increase in the development charge rates as a result of the capital program being largely front-ended. The adjusted residential charge amounts to \$4,645.42 per capita, the retail cash-flow amounts to \$103.25 per square metre of gross floor area and non-retail amounts to \$41.92 per square metre.

The following table summarizes the calculation of the Water Services – Distribution Systems development charge:

| | | WATE | D SERVICES DIST | RIBUTION SYSTEMS S | IIMMAADV | | |
|-----------------|-----------------------|------------|--------------------|--------------------|------------|-----------------|--------------------|
| 202 | 3 - 2041 | WATE | Unadjusted | NIBUTION STSTEMS S | OWNART | Adjusted | |
| Development-Rel | lated Capital Program | | Development Charge | е | | Development Cha | rge |
| Total | Net DC Recoverable | \$/capita | Retail \$/sq.m | Non-Retail\$/sq.m | \$/capita | Retail \$/sq.m | Non- Retail \$/sq. |
| \$226,371,932 | \$226,371,932 | \$3,874.64 | \$77.49 | \$41.32 | \$4,645.42 | \$103.25 | \$41.92 |



CITY OF BARRIE

AREA-SPECIFIC DEVELOPMENT CHARGES SECONDARY PLAN AREAS SALEM & HEWITTS DEVELOPMENT-RELATED CAPITAL PROGRAM WATER SERVICES - DISTRIBUTION SYSTEMS

| | | | Gross | G | rants/ | Net | Ineligib | ole Costs | | | Total | | | DC Eligible Costs | | | |
|---|-------------|----|------------|-------|------------|------------------|--------------|-----------|--------|----|-------------|---------|------|-------------------|------------|----|------|
| Project Description | Timing | | Project | Subsi | lies/Other | Municipal | Replacement | Repla | cement | | DC Eligible | Availab | ole | | 2023- | P | ost |
| | | | Cost | Re | overies | Cost | & BTE Shares | & BTE | Shares | | Costs | DC Rese | rves | | 2041 | 20 | 041* |
| WATER SERVICES - DISTRIBUTION SYSTEMS | | | | | | | | | | | | | | | | | |
| 1.0 Recovery of Negative Reserve Fund Balance | | | | | | | | | | | | | | | | | |
| 1.1.1 Balance as of December 31, 2022 | 2023 - 2023 | \$ | 12.871.887 | \$ | - | \$ 12,871,887 | 0% | \$ | _ | \$ | 12,871,887 | \$ | _ | \$ | 12,871,887 | \$ | _ |
| Subtotal Recovery of Negative Reserve Fund Balance | | - | 12,871,887 | \$ | - | \$ 12,871,887 | | \$ | - | \$ | 12,871,887 | \$ | - | \$ | 12,871,887 | \$ | - |
| 2.0 Water Distribution Systems | | | | | | | | | | | | | | | | | |
| 2.1.1 Essa Road - Mapleview Drive West south to Athabaska Road (ANNEX-11104) | 2023 - 2024 | \$ | 3,336,747 | \$ | - | \$ 3,336,747 | 0% | \$ | - | \$ | 3,336,747 | \$ | - | \$ | 3,336,747 | \$ | - |
| 2.1.2 Essa Road - Athabaska Road south to Street A (400mm) (ANNEX-11105) | 2023 - 2024 | \$ | 2,112,615 | \$ | - | \$ 2,112,615 | 0% | \$ | - | \$ | 2,112,615 | \$ | - | \$ | 2,112,615 | \$ | - |
| 2.1.3 Essa Road - Street A south to Salem Road (400mm) (ANNEX-11106) | 2023 - 2024 | \$ | 1,382,085 | \$ | - | \$ 1,382,085 | 0% | \$ | - | \$ | 1,382,085 | \$ | - | \$ | 1,382,085 | \$ | |
| 2.1.4 Essa Road - Salem Road south to Street L (ANNEX-11146) | 2023 - 2024 | \$ | 1,125,412 | \$ | - | \$ 1,125,412 | 0% | \$ | - | \$ | 1,125,412 | \$ | - | \$ | 1,125,412 | \$ | |
| 2.1.5 Essa Road - Street L south to McKay Road West (ANNEX-11309) | 2024 - 2041 | \$ | 4,126,510 | \$ | - | \$ 4,126,510 | 0% | \$ | - | \$ | 4,126,510 | \$ | - | \$ | 4,126,510 | \$ | |
| 2.1.6 Salem Road - Essa Road east to Street B (ANNEX-11110) | 2023 - 2024 | \$ | 4,481,903 | \$ | - | \$ 4,481,903 | 0% | \$ | - | \$ | 4,481,903 | \$ | - | \$ | 4,481,903 | \$ | |
| 2.1.7 Salem Road - Street B east to Reid Drive (ANNEX-11111) | 2023 - 2024 | \$ | 6,245,774 | \$ | - | \$ 6,245,774 | 0% | \$ | - | \$ | 6,245,774 | \$ | - | \$ | 6,245,774 | \$ | |
| 2.1.8 Salem Road - Reid Drive east to Veterans Drive (ANNEX-11112) | 2023 - 2024 | \$ | 3,980,354 | \$ | - | \$ 3,980,354 | 0% | \$ | - | \$ | 3,980,354 | \$ | - | \$ | 3,980,354 | \$ | |
| Salem/Lockhart Road - Salem Road Reservoir & Pumping Station east to Huronia Road - Proposed | 2024 2031 | \$ | 27,446,040 | \$ | - | \$ 27,446,040 | 0% | | | \$ | 27,446,040 | \$ | - | \$ | 27,446,040 | \$ | |
| 2.1.9 750mm (ANNEX-11230) | - | | | | | | | \$ | - | | | | | | | | |
| 2.1.10 Salem Road - Veterans Drive east to Salem Road Reservoir & Pumping Station (ANNEX-11235) | 2024 - 2031 | \$ | 4,511,160 | \$ | - | \$ 4,511,160 | 0% | \$ | - | \$ | 4,511,160 | \$ | - | \$ | 4,511,160 | \$ | |
| 2.1.11 Salem Road Reservoir (ANNEX11250) | 2024 - 2031 | \$ | 62,247,960 | \$ | - | \$ 62,247,960 | 0% | \$ | - | \$ | 62,247,960 | \$ | - | \$ | 62,247,960 | \$ | |
| 2.1.12 Veterans Drive - Salem Road south to Street D (ANNEX - 11121 | 2023 - 2024 | \$ | 5,347,689 | \$ | - | \$ 5,347,689 | 0% | \$ | - | \$ | 5,347,689 | \$ | - | \$ | 5,347,689 | \$ | |
| 2.1.13 Veterans Drive - Street D south to Street E (ANNEX-11124) | 2023 - 2024 | \$ | 3,510,696 | \$ | - | \$ 3,510,696 | 0% | \$ | - | \$ | 3,510,696 | \$ | - | \$ | 3,510,696 | \$ | |
| 2.1.14 Veterans Drive - Street E south to McKay Road West (ANNEX-11127) | 2023 - 2024 | \$ | 2,898,366 | \$ | - | \$ 2,898,366 | 0% | \$ | - | \$ | 2,898,366 | \$ | - | \$ | 2,898,366 | \$ | |
| 2.1.15 McKay Road West - 165 metres west of Reid Drive east to Reid Drive (ANNEX-11129) | 2023 - 2023 | \$ | 663,120 | \$ | - | \$ 663,120 | 0% | \$ | - | \$ | 663,120 | \$ | - | \$ | 663,120 | \$ | |
| McKay Road West - Veterans Drive east 410 metres to Hwy 400 proposed western interchange | 2023 2024 | \$ | 3,944,704 | \$ | - | \$ 3,944,704 | 0% | | | \$ | 3,944,704 | \$ | - | \$ | 3,944,704 | \$ | |
| 2.1.16 boundary (ANNEX-11144) | - | | | | | | | \$ | - | | | | | | | | |
| 2.1.17 McKay Road West - Street F east 620 metres (ANNEX-115997) | 2023 - 2023 | \$ | 2,491,560 | \$ | - | \$ 2,491,560 | 0% | \$ | - | \$ | 2,491,560 | \$ | - | \$ | 2,491,560 | \$ | |
| 2.1.18 McKay Road West - Essa Road east to Street C (ANNEX-11308) | 2024 - 2041 | \$ | 1,667,520 | \$ | - | \$ 1,667,520 | 0% | \$ | - | \$ | 1,667,520 | \$ | - | \$ | 1,667,520 | \$ | |
| 2.1.19 McKay Road West - Hwy 400 interchange east to Street K (ANNEX-11420) | 2024 - 2041 | | 1,104,840 | \$ | - | \$ 1,104,840 | 0% | \$ | - | \$ | 1,104,840 | \$ | - | \$ | 1,104,840 | \$ | |
| 2.1.20 McKay Road West - Reid Drive east to Veterans Drive (ANNEX-11128) | 2023 - 2023 | \$ | | \$ | - | \$ | 0% | \$ | - | \$ | | \$ | - | \$ | | \$ | |



CITY OF BARRIE AREA-SPECIFIC DEVELOPMENT CHARGES

SECONDARY PLAN AREAS SALEM & HEWITTS DEVELOPMENT-RELATED CAPITAL PROGRAM WATER SERVICES - DISTRIBUTION SYSTEMS

| | | | Gross | Grants/ | | Net | Ineligib | le Costs | | Total | | DC E | ligible Costs | | |
|---|--------|------|-----------------|---------------|----|--------------|--------------|----------|--------|-----------------|-------------|------|---------------|-----|-------------|
| Project Description | Tim | ing | Project | Subsidies/Oth | er | Municipal | Replacement | Replac | cement | DC Eligible | Available | | 2023- | Po | st |
| | | | Cost | Recoveries | | Cost | & BTE Shares | & BTE | Shares | Costs | DC Reserves | | 2041 | 204 | 11 * |
| | | | | | | | | | | | | | | | |
| McKay Road West - 410 metres east of Veterans (Hwy 400 proposed western interchange boundary) | 2023 | 2023 | \$ 3,972,240 | \$ - | \$ | 3,972,240 | 0% | | | \$ 3,972,240 | \$ - | \$ | 3,972,240 | \$ | - |
| 2.1.21 east to Hwy 400 proposed eastern interchange boundary (ANNEX-11145) | - | | | | | | | \$ | - | | | | | | |
| 2.1.22 McKay Road West - Street G east to Street F (ANNEX-11201) | 2024 - | 2031 | \$ 784,080 | \$ - | \$ | 784,080 | 0% | \$ | - | \$ 784,080 | \$ - | \$ | 784,080 | \$ | - |
| 2.1.23 McKay Road West - Street H east to Street G (ANNEX-11204) | 2024 - | 2031 | \$ 843,480 | \$ - | \$ | 843,480 | 0% | \$ | - | \$ 843,480 | \$ - | \$ | 843,480 | \$ | - |
| 2.1.24 McKay Road West - Street I east to Street H (ANNEX-11301) | 2032 - | 2041 | \$ 2,812,320 | \$ - | \$ | 2,812,320 | 0% | \$ | - | \$ 2,812,320 | \$ - | \$ | 2,812,320 | \$ | - |
| 2.1.25 McKay Road West - Street C east to Street I (ANNEX-11303) | 2032 - | 2041 | \$ 803,520 | \$ - | \$ | 803,520 | 0% | \$ | - | \$ 803,520 | \$ - | \$ | 803,520 | \$ | - |
| 2.1.26 Mapleview Drive East - Madelaine Drive east to Royal Jubilee Drive (ANNEX-11151) | 2023 - | 2025 | \$ 20,866,890 | \$ - | \$ | 20,866,890 | 0% | \$ | - | \$ 20,866,890 | \$ - | \$ | 20,866,890 | \$ | - |
| 2.1.27 Mapleview Drive East - Huronia Road east to Madelaine Drive (600mm) (ANNEX-11235) | 2023 - | 2023 | \$ 16,530,480 | \$ - | \$ | 16,530,480 | 0% | \$ | - | \$ 16,530,480 | \$ - | \$ | 16,530,480 | \$ | - |
| 2.1.28 Lockhart Road from Priscilla's PI to Street P (400mm pipe - 3km) (ANNEX-12220) | 2023 - | 2024 | \$ 12,054,960 | \$ - | \$ | 12,054,960 | 0% | \$ | - | \$ 12,054,960 | \$ - | \$ | 12,054,960 | \$ | - |
| 2.1.29 Lockhart Road from Street P to Street M (400mm pipe - 1.4km) (ANNEX-12331) | 2024 - | 2031 | \$ 5,625,720 | \$ - | \$ | 5,625,720 | 0% | \$ | - | \$ 5,625,720 | \$ - | \$ | 5,625,720 | \$ | - |
| 2.1.30 Big Bay Point Road - Street N east to 20 Sideroad (ANNEX-12501) | 2023 - | 2024 | \$ 2,671,920 | \$ - | \$ | 2,671,920 | 0% | \$ | - | \$ 2,671,920 | \$ - | \$ | 2,671,920 | \$ | - |
| 2.1.31 Big Bay Point Road - 210 metres east of The Queensway east to Street M (ANNEX-12110) | 2023 - | 2023 | \$ 1,342,596 | \$ - | \$ | 1,342,596 | 0% | \$ | - | \$ 1,342,596 | \$ - | \$ | 1,342,596 | \$ | - |
| 2.1.32 Big Bay Point Road - Street M east to Street N (ANNEX-12115) | 2023 - | 2023 | \$ 984,960 | \$ - | \$ | 984,960 | 0% | \$ | - | \$ 984,960 | \$ - | \$ | 984,960 | \$ | - |
| 2.1.33 Huronia Road - Mapleview Drive East south to Lockhart Road (ANNEX-11231) | 2024 - | 2031 | \$ 14,327,280 | \$ - | \$ | 14,327,280 | 0% | \$ | - | \$ 14,327,280 | \$ - | \$ | 14,327,280 | \$ | - |
| Subtotal Water Distribution Systems | | | \$ 226,245,499 | \$ - | \$ | 226,245,499 | | \$ | - | \$ 226,245,499 | \$ - | \$ 2 | 226,245,499 | \$ | - |
| 3.0 Adjustment For Funded Shares Of Projects | | | | | | | | | | | | | | | |
| 3.1.1 Prior funded shares of projects | 2023 - | 2041 | \$ (12,745,454) | \$ - | \$ | (12,745,454) | 0% | \$ | - | \$ (12,745,454) | \$ - | \$ | (12,745,454) | \$ | - |
| Subtotal Adjustment For Funded Shares Of Projects | | | \$ (12,745,454) | \$ - | \$ | (12,745,454) | | \$ | - | \$ (12,745,454) | \$ - | \$ | (12,745,454) | \$ | - |
| TOTAL WATER SERVICES - DISTRIBUTION SYSTEMS | | | \$ 226,371,932 | \$ - | \$ | 226,371,932 | | \$ | - | \$ 226,371,932 | \$ - | \$ 2 | 26,371,932 | \$ | _ |

^{*}Development related costs to be considered for funding from other tools and/or future DC Studies.

| Residential Development Charge Calculation | | |
|---|------|---------------|
| Residential Share of 2023 - 2041 DC Eligible Costs | #### | \$172,367,208 |
| Long-Term Growth in Population in New Units | | 44,486 |
| Unadjusted Development Charge Per Capita | | \$3,874.64 |
| Non-Residential Retail Development Charge Calculation | | |
| Non-Residential Share of 2023 - 2041 DC Eligible Costs | 7.0% | \$15,827,902 |
| Long-Term Growth in Square Metres | | 204,250 |
| Unadjusted Development Charge Per Square Metre | | \$77.49 |
| Non-Residential Non-Retail Development Charge Calculation | | |
| Non-Residential Share of 2023 - 2041 DC Eligible Costs | #### | \$38,176,822 |
| Long-Term Growth in Square Metres | | 923,885 |
| Unadjusted Development Charge Per Square Metre | | \$41.32 |

Current Reserve Fund Balance (\$12,871,887)



APPENDIX E.4 TABLE 2-1

CITY OF BARRIE

CASHFLOW AND DETERMINATION OF DEVELOPMENT CHARGE WATER SERVICES - DISTRIBUTION SYSTEMS RESIDENTIAL DEVELOPMENT CHARGE (in \$000)

| WATER SERVICES - DISTRIBUTION SYSTEMS | 2023 | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | 2030 | 2031 | 2032 |
|---|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| OPENING CASH BALANCE | (\$9,801.1) | (\$53,005.0) | (\$80,787.0) | (\$82,721.6) | (\$81,017.3) | (\$81,401.5) | (\$79,956.4) | (\$73,426.7) | (\$67,959.1) | (\$55,454.6) |
| 2023 - 2041 RESIDENTIAL FUNDING REQUIREMENTS | | | | | | | | | | |
| - Prior Growth (Funding from DC Reserve Balance) | \$0.0 | \$0.0 | \$0.0 | \$0.0 | \$0.0 | \$0.0 | \$0.0 | \$0.0 | \$0.0 | \$0.0 |
| - Water Services - Distribution Systems: Non Inflated | \$54,585.86 | \$36,311.2 | \$16,097.7 | \$10,801.4 | \$10,801.4 | \$10,801.4 | \$10,801.4 | \$10,801.4 | \$10,801.4 | \$56.4 |
| - Water Services - Distribution Systems: Inflated | \$54,585.9 | \$37,037.4 | \$16,748.0 | \$11,462.6 | \$11,691.8 | \$11,925.7 | \$12,164.2 | \$12,407.5 | \$12,655.6 | \$67.4 |
| NEW RESIDENTIAL DEVELOPMENT | | | | | | | | | | |
| - Population Growth in New Units | 2,812 | 2,709 | 3,065 | 3,572 | 3,121 | 3,460 | 4,378 | 4,076 | 5,258 | 1,428 |
| REVENUE | | | | | | | | | | |
| - DC Receipts: Inflated | \$13,062.9 | \$12,836.1 | \$14,813.44 | \$17,609.1 | \$15,693.5 | \$17,746.1 | \$22,903.5 | \$21,750.1 | \$28,618.5 | \$7,927.8 |
| INTEREST | | | | | | | | | | |
| - Interest on Opening Balance | (\$539.1) | (\$2,915.3) | \$0.0 | (\$4,549.7) | (\$4,455.9) | (\$4.477.1) | (\$4,397.6) | (\$4,038.5) | (\$3,737.7) | (\$3,050.0) |
| - Interest on In-year Transactions | (\$1,141.9) | (\$665.5) | \$0.0 | \$107.6 | \$70.0 | \$101.9 | \$187.9 | \$163.5 | \$279.4 | \$137.6 |
| TOTAL REVENUE | \$11,382.0 | \$9,255.3 | \$14,813.4 | \$13,167.0 | \$11,307.6 | \$13,370.8 | \$18,693.8 | \$17,875.1 | \$25,160.1 | \$5,015.4 |
| CLOSING CASH BALANCE | (\$53,005.0) | (\$80,787.0) | (\$82,721.6) | (\$81,017.3) | (\$81,401.5) | (\$79,956.4) | (\$73,426.7) | (\$67,959.1) | (\$55,454.6) | (\$50,506.6) |

| 2034 | 2035 | 2036 | 2037 | 2038 | 2039 | 2040 | 2041 | TOTAL |
|--------------|---|--|---|---|---|--|--|---|
| (\$45,547.0) | (\$40,765.4) | (\$36,132.4) | (\$32,171.1) | (\$26,326.3) | (\$19,753.2) | (\$12,943.6) | (\$6,462.1) | |
| | | | | | | | | |
| \$56.4 | \$56.4 | \$56.4 | \$56.4 | \$56.4 | \$56.4 | \$56.4 | \$56.4 | \$172,367.2 |
| \$70.1 | \$71.5 | \$72.9 | \$74.4 | \$75.9 | \$77.4 | \$78.9 | \$80.5 | \$181,416.4 |
| | | | | | | | | |
| 1,252 | 1,159 | 985 | 1,233 | 1,273 | 1,229 | 1,099 | 1,022 | 44,486 |
| | | | | | | | | |
| \$7,231.5 | \$6,828.3 | \$5,919.2 | \$7,557.7 | \$7,959.0 | \$7,837.5 | \$7,148.7 | \$6,780.8 | \$237,896.8 |
| | | | | | | | | |
| (\$2,505.1) | (\$2,242.1) | (\$1,987.3) | (\$1,769.4) | (\$1,447.9) | (\$1,086.4) | (\$711.9) | (\$355.4) | (\$47,044.3) |
| \$125.3 | \$118.2 | \$102.3 | \$131.0 | \$138.0 | \$135.8 | \$123.7 | \$117.3 | \$365.0 |
| \$4,851.8 | \$4,704.4 | \$4,034.2 | \$5,919.3 | \$6,649.0 | \$6,886.9 | \$6,560.5 | \$6,542.6 | \$191,217.5 |
| (\$40,765.4) | (\$36,132.4) | (\$32,171.1) | (\$26,326.3) | (\$19,753.2) | (\$12,943.6) | (\$6,462.1) | (\$0.0) | |
| | (\$45,547.0) \$56.4 \$70.1 1,252 \$7,231.5 (\$2,505.1) \$125.3 \$4,851.8 | (\$45,547.0) (\$40,765.4) \$56.4 \$56.4 \$70.1 \$71.5 1,252 1,159 \$7,231.5 \$6,828.3 (\$2,505.1) (\$2,242.1) \$125.3 \$118.2 \$4,851.8 \$4,704.4 | (\$45,547.0) (\$40,765.4) (\$36,132.4) \$56.4 \$56.4 \$56.4 \$70.1 \$71.5 \$72.9 1,252 1,159 985 \$7,231.5 \$6,828.3 \$5,919.2 (\$2,505.1) (\$2,242.1) (\$1,987.3) \$125.3 \$118.2 \$102.3 \$4,851.8 \$4,704.4 \$4,034.2 | (\$45,547.0) (\$40,765.4) (\$36,132.4) (\$32,171.1) \$56.4 \$56.4 \$56.4 \$56.4 \$70.1 \$71.5 \$72.9 \$74.4 1,252 1,159 985 1,233 \$7,231.5 \$6,828.3 \$5,919.2 \$7,557.7 (\$2,505.1) (\$2,242.1) (\$1,987.3) (\$1,769.4) \$125.3 \$118.2 \$102.3 \$131.0 \$4,851.8 \$4,704.4 \$4,034.2 \$5,919.3 | (\$45,547.0) (\$40,765.4) (\$36,132.4) (\$32,171.1) (\$26,326.3) \$56.4 \$56.4 \$56.4 \$56.4 \$70.1 \$71.5 \$72.9 \$74.4 \$75.9 1,252 1,159 985 1,233 1,273 \$7,231.5 \$6,828.3 \$5,919.2 \$7,557.7 \$7,959.0 (\$2,505.1) (\$2,242.1) (\$1,987.3) (\$1,769.4) (\$1,447.9) \$125.3 \$118.2 \$102.3 \$131.0 \$138.0 \$4,851.8 \$4,704.4 \$4,034.2 \$5,919.3 \$6,649.0 | (\$45,547.0) (\$40,765.4) (\$36,132.4) (\$32,171.1) (\$26,326.3) (\$19,753.2) \$56.4 \$56.4 \$56.4 \$56.4 \$56.4 \$70.1 \$71.5 \$72.9 \$74.4 \$75.9 \$77.4 1,252 1,159 985 1,233 1,273 1,229 \$7,231.5 \$6,828.3 \$5,919.2 \$7,557.7 \$7,959.0 \$7,837.5 (\$2,505.1) (\$2,242.1) (\$1,987.3) (\$1,769.4) (\$1,447.9) (\$1,086.4) \$125.3 \$118.2 \$102.3 \$131.0 \$138.0 \$135.8 \$4,851.8 \$4,704.4 \$4,034.2 \$5,919.3 \$6,649.0 \$6,886.9 | (\$45,547.0) (\$40,765.4) (\$36,132.4) (\$32,171.1) (\$26,326.3) (\$19,753.2) (\$12,943.6) \$56.4 \$56.4 \$56.4 \$56.4 \$56.4 \$56.4 \$56.4 \$70.1 \$71.5 \$72.9 \$74.4 \$75.9 \$77.4 \$78.9 \$7,231.5 \$6,828.3 \$5,919.2 \$7,557.7 \$7,959.0 \$7,837.5 \$7,148.7 (\$2,505.1) (\$2,242.1) (\$1,987.3) (\$1,769.4) (\$1,447.9) (\$1,086.4) (\$711.9) \$125.3 \$118.2 \$102.3 \$131.0 \$138.0 \$135.8 \$123.7 \$4,851.8 \$4,704.4 \$4,034.2 \$5,919.3 \$6,649.0 \$6,886.9 \$6,560.5 | (\$45,547.0) (\$40,765.4) (\$36,132.4) (\$32,171.1) (\$26,326.3) (\$19,753.2) (\$12,943.6) (\$6,462.1) \$56.4 \$56.7 \$57.95.0 \$7,837.5 \$7,148.7 \$6,780.8 |

| 2023 Adjusted Charge Per Capita | \$4,645.42 |
|---------------------------------|------------|
| | |

| Allocation of Capital Program | |
|------------------------------------|-------|
| Residential Sector | 76.1% |
| Non-Residential Sector | 23.9% |
| Rates for 2023 | |
| Inflation Rate | 2.0% |
| Interest Rate on Positive Balances | 3.5% |
| Interest Rate on Negative Balances | 5.5% |
| | |



APPENDIX E.4 TABLE 2-2

CITY OF BARRIE

CASHFLOW AND DETERMINATION OF DEVELOPMENT CHARGE WATER SERVICES - DISTRIBUTION SYSTEMS RETAIL DEVELOPMENT CHARGE (in \$000)

| WATER SERVICES - DISTRIBUTION SYSTEMS | 2023 | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | 2030 | 2031 | 2032 |
|---|-------------|-------------|-------------|-------------|--------------|--------------|--------------|--------------|--------------|--------------|
| OPENING CASH BALANCE | (\$900.0) | (\$5,330.0) | (\$8,242.2) | (\$9,294.5) | (\$9,796.3) | (\$10,233.4) | (\$10,599.6) | (\$10,887.4) | (\$11,084.3) | (\$11,185.6) |
| 2023 - 2041 NON-RESIDENTIAL FUNDING REQUIREMENT | S | | | | | | | | | |
| - Prior Growth (Funding from DC Reserve Balance) | \$0.00 | \$0.0 | \$0.0 | \$0.0 | \$0.0 | \$0.0 | \$0.0 | \$0.0 | \$0.0 | \$0.0 |
| - Water Services - Distribution Systems: Non Inflated | \$5,012.4 | \$3,334.3 | \$1,478.2 | \$991.9 | \$991.9 | \$991.9 | \$991.9 | \$991.9 | \$991.9 | \$5.2 |
| - Water Services - Distribution Systems: Inflated | \$5,012.4 | \$3,401.0 | \$1,537.9 | \$1,052.6 | \$1,073.6 | \$1,095.1 | \$1,117.0 | \$1,139.3 | \$1,162.1 | \$6.2 |
| NON-RESIDENTIAL SPACE GROWTH | | | | | | | | | | |
| - Growth in Square Metres | 7,256 | 8,091 | 8,891 | 9,691 | 10,501 | 11,302 | 12,102 | 12,937 | 13,737 | 12,902 |
| REVENUE | | | | | | | | | | |
| - DC Receipts: Inflated | \$749.2 | \$852.1 | \$955.0 | \$1,061.8 | \$1,173.6 | \$1,288.3 | \$1,407.1 | \$1,534.3 | \$1,661.7 | \$1,592.0 |
| INTEREST | | | | | | | | | | |
| - Interest on Opening Balance | (\$49.5) | (\$293.2) | (\$453.3) | (\$511.2) | (\$538.8) | (\$562.8) | (\$583.0) | (\$598.8) | (\$609.6) | (\$615.2) |
| - Interest on In-year Transactions | (\$117.2) | (\$70.1) | (\$16.0) | \$0.2 | \$1.7 | \$3.4 | \$5.1 | \$6.9 | \$8.7 | \$27.8 |
| TOTAL REVENUE | \$582.4 | \$488.8 | \$485.7 | \$550.8 | \$636.5 | \$728.9 | \$829.2 | \$942.4 | \$1,060.9 | \$1,004.5 |
| CLOSING CASH BALANCE | (\$5,330.0) | (\$8,242.2) | (\$9,294.5) | (\$9,796.3) | (\$10,233.4) | (\$10,599.6) | (\$10,887.4) | (\$11,084.3) | (\$11,185.6) | (\$10,187.3) |
| | · | | | | | | | | | |

| 2034 | 2035 | 2036 | 2037 | 2038 | 2039 | 2040 | 2041 | TOTAL |
|-------------|---|---|--|---|--|--|---|--|
| (\$9,551.5) | (\$8,815.6) | (\$7,971.8) | (\$6,997.6) | (\$5,897.8) | (\$4,663.0) | (\$3,283.5) | (\$1,733.3) | |
| TS | | | | | | | | |
| \$5.2 | \$5.2 | \$5.2 | \$5.2 | \$5.2 | \$5.2 | \$5.2 | \$5.2 | \$15,827.9 |
| \$6.4 | \$6.6 | \$6.7 | \$6.8 | \$7.0 | \$7.1 | \$7.2 | \$7.4 | \$16,658.9 |
| | | | | | | | | |
| 9,706 | 10,023 | 10,445 | 10,761 | 11,078 | 11,394 | 11,816 | 12,238 | 204,261 |
| | | | | | | | | |
| \$1,246.0 | \$1,312.4 | \$1,395.0 | \$1,466.0 | \$1,539.3 | \$1,614.9 | \$1,708.2 | \$1,804.6 | \$18,876.2 |
| | | | | | | | | |
| (\$525.3) | (\$484.9) | (\$438.4) | (\$384.9) | (\$324.4) | (\$256.5) | (\$180.6) | (\$95.3) | (\$7,209.2) |
| \$21.7 | \$22.9 | \$24.3 | \$25.5 | \$26.8 | \$28.1 | \$29.8 | \$31.5 | (\$34.6) |
| \$742.3 | \$850.4 | \$980.9 | \$1,106.6 | \$1,241.8 | \$1,386.6 | \$1,557.4 | \$1,740.7 | \$11,632.4 |
| (\$8,815.6) | (\$7,971.8) | (\$6,997.6) | (\$5,897.8) | (\$4,663.0) | (\$3,283.5) | (\$1,733.3) | (\$0.0) | |
| | (\$9,551.5) TS \$5.2 \$6.4 9,706 \$1,246.0 (\$525.3) \$21.7 \$742.3 | (\$9,551.5) (\$8,815.6) TS \$5.2 \$5.2 \$6.4 \$6.6 9,706 10,023 \$1,246.0 \$1,312.4 (\$525.3) (\$484.9) \$21.7 \$22.9 \$742.3 \$850.4 | (\$9,551.5) (\$8,815.6) (\$7,971.8) TS \$5.2 \$5.2 \$5.2 \$5.2 \$5.2 \$6.4 \$6.6 \$6.7 9,706 10,023 10,445 \$1,246.0 \$1,312.4 \$1,395.0 (\$525.3) (\$484.9) (\$438.4) \$21.7 \$22.9 \$24.3 \$742.3 \$850.4 \$980.9 | (\$9,551.5) (\$8,815.6) (\$7,971.8) (\$6,997.6) TS \$5.2 \$5.2 \$5.2 \$5.2 \$5.2 \$5.2 \$6.4 \$6.6 \$6.7 \$6.8 9,706 10,023 10,445 10,761 \$1,246.0 \$1,312.4 \$1,395.0 \$1,466.0 (\$525.3) (\$484.9) (\$438.4) (\$384.9) \$21.7 \$22.9 \$24.3 \$25.5 \$742.3 \$850.4 \$980.9 \$1,106.6 | (\$9,551.5) (\$8,815.6) (\$7,971.8) (\$6,997.6) (\$5,897.8) TS \$5.2 \$5.2 \$5.2 \$5.2 \$5.2 \$5.2 \$5.2 \$5.2 | (\$9,551.5) (\$8,815.6) (\$7,971.8) (\$6,997.6) (\$5,897.8) (\$4,663.0) TS \$5.2 \$5.2 \$5.2 \$5.2 \$5.2 \$5.2 \$5.2 \$5.2 | TS \$5.2 \$5.2 \$5.2 \$5.2 \$5.2 \$5.2 \$5.2 \$5.2 | (\$9,551.5) (\$8,815.6) (\$7,971.8) (\$6,997.6) (\$5,897.8) (\$4,663.0) (\$3,283.5) (\$1,733.3) TS \$5.2 \$5.2 \$5.2 \$5.2 \$5.2 \$5.2 \$5.2 \$5.2 |

| 2023 Adjusted Charge Per Square Metre | \$103.25 |
|---------------------------------------|----------|
| | |

| Allocation of Capital Program | |
|------------------------------------|-------|
| Residential Sector | 76.1% |
| Retail Sector | 7.0% |
| Non-Retail Sector | 16.9% |
| | |
| Rates for 2023 | |
| Inflation Rate | 2.0% |
| Interest Rate on Positive Balances | 3.5% |
| Interest Rate on Negative Balances | 5.5% |
| | |



APPENDIX E.4 TABLE 2-3

CITY OF BARRIE

CASHFLOW AND DETERMINATION OF DEVELOPMENT CHARGE WATER SERVICES - DISTRIBUTION SYSTEMS NON-RETAIL DEVELOPMENT CHARGE (in \$000)

| WATER SERVICES - DISTRIBUTION SYSTEMS | 2023 | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | 2030 | 2031 | 2032 |
|---|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| OPENING CASH BALANCE | (\$2,170.8) | (\$13,016.9) | (\$20,240.4) | (\$23,009.8) | (\$24,486.9) | (\$25,843.1) | (\$27,069.3) | (\$28,149.5) | (\$29,067.0) | (\$29,805.2) |
| 2023 - 2041 NON-RESIDENTIAL FUNDING REQUIR | REMENTS | | | | | | | | | |
| - Prior Growth (Funding from DC Reserve Balanc | \$0.00 | \$0.0 | \$0.0 | \$0.0 | \$0.0 | \$0.0 | \$0.0 | \$0.0 | \$0.0 | \$0.0 |
| - Water Services - Distribution Systems: Non Infl | \$12,090.0 | \$8,042.4 | \$3,565.4 | \$2,392.4 | \$2,392.4 | \$2,392.4 | \$2,392.4 | \$2,392.4 | \$2,392.4 | \$12.5 |
| - Water Services - Distribution Systems: Inflated | \$12,090.0 | \$8,203.2 | \$3,709.4 | \$2,538.8 | \$2,589.6 | \$2,641.4 | \$2,694.2 | \$2,748.1 | \$2,803.0 | \$14.9 |
| NON-RESIDENTIAL SPACE GROWTH | | | | | | | | | | |
| - Non-Retail Growth in Square Metres | 39,366 | 43,729 | 48,092 | 52,440 | 56,863 | 61,211 | 65,574 | 69,937 | 74,285 | 67,169 |
| REVENUE | | | | | | | | | | |
| - DC Receipts: Inflated | \$1,650.3 | \$1,869.9 | \$2,097.6 | \$2,333.0 | \$2,580.3 | \$2,833.2 | \$3,095.8 | \$3,367.9 | \$3,648.8 | \$3,365.2 |
| INTEREST | | | | | | | | | | |
| - Interest on Opening Balance | (\$119.4) | (\$715.9) | (\$1,113.2) | (\$1,265.5) | (\$1,346.8) | (\$1,421.4) | (\$1,488.8) | (\$1,548.2) | (\$1,598.7) | (\$1,639.3) |
| - Interest on In-year Transactions | (\$287.1) | (\$174.2) | (\$44.3) | (\$5.7) | (\$0.3) | \$3.4 | \$7.0 | \$10.8 | \$14.8 | \$58.6 |
| TOTAL REVENUE | \$1,243.8 | \$979.8 | \$940.0 | \$1,061.8 | \$1,233.3 | \$1,415.2 | \$1,614.1 | \$1,830.5 | \$2,064.9 | \$1,784.6 |
| CLOSING CASH BALANCE | (\$13,016.9) | (\$20,240.4) | (\$23,009.8) | (\$24,486.9) | (\$25,843.1) | (\$27,069.3) | (\$28,149.5) | (\$29,067.0) | (\$29,805.2) | (\$28,035.5) |

| 2034 | 2035 | 2036 | 2037 | 2038 | 2039 | 2040 | 2041 | TOTAL |
|--------------|--|--|--|--|---|--|---|--|
| (\$26,091.8) | (\$23,962.1) | (\$21,553.4) | (\$18,922.4) | (\$15,847.0) | (\$12,447.0) | (\$8,676.6) | (\$4,539.5) | |
| EMENTS | | | | | | | | |
| \$12.5 | \$12.5 | \$12.5 | \$12.5 | \$12.5 | \$12.5 | \$12.5 | \$12.5 | \$38,176.8 |
| \$15.5 | \$15.8 | \$16.2 | \$16.5 | \$16.8 | \$17.1 | \$17.5 | \$17.8 | \$40,181.1 |
| | | | | | | | | |
| 67,510 | 69,185 | 69,461 | 73,430 | 74,704 | 76,376 | 77,553 | 78,908 | 1,233,126 |
| | | | | | | | | |
| \$3,519.0 | \$3,678.4 | \$3,766.9 | \$4,061.8 | \$4,214.9 | \$4,395.5 | \$4,552.5 | \$4,724.6 | \$45,309.0 |
| | | | | | | | | |
| (\$1,435.1) | (\$1,317.9) | (\$1,185.4) | (\$1,040.7) | (\$871.6) | (\$684.6) | (\$477.2) | (\$249.7) | (\$18,778.3) |
| \$61.3 | \$64.1 | \$65.6 | \$70.8 | \$73.5 | \$76.6 | \$79.4 | \$82.4 | (\$95.0) |
| \$2,145.2 | \$2,424.6 | \$2,647.1 | \$3,091.9 | \$3,416.8 | \$3,787.5 | \$4,154.6 | \$4,557.3 | \$26,435.6 |
| (\$23,962.1) | (\$21,553.4) | (\$18,922.4) | (\$15,847.0) | (\$12,447.0) | (\$8,676.6) | (\$4,539.5) | (\$0.0) | |
| | (\$26,091.8) EMENTS \$12.5 \$15.5 67,510 \$3,519.0 (\$1,435.1) \$61.3 \$2,145.2 | (\$26,091.8) (\$23,962.1) EMENTS \$12.5 \$12.5 \$15.5 \$15.8 67,510 69,185 \$3,519.0 \$3,678.4 (\$1,435.1) (\$1,317.9) \$61.3 \$64.1 \$2,145.2 \$2,424.6 | (\$26,091.8) (\$23,962.1) (\$21,553.4) EMENTS \$12.5 \$12.5 \$12.5 \$15.5 \$15.8 \$16.2 67,510 69,185 69,461 \$3,519.0 \$3,678.4 \$3,766.9 (\$1,435.1) (\$1,317.9) (\$1,185.4) \$61.3 \$64.1 \$65.6 \$2,145.2 \$2,424.6 \$2,647.1 | (\$26,091.8) (\$23,962.1) (\$21,553.4) (\$18,922.4) EMENTS \$12.5 \$12.5 \$12.5 \$12.5 \$12.5 \$15.5 \$15.8 \$16.2 \$16.5 67,510 69,185 69,461 73,430 \$3,519.0 \$3,678.4 \$3,766.9 \$4,061.8 (\$1,435.1) (\$1,317.9) (\$1,185.4) (\$1,040.7) \$61.3 \$64.1 \$65.6 \$70.8 \$2,145.2 \$2,424.6 \$2,647.1 \$3,091.9 | (\$26,091.8) (\$23,962.1) (\$21,553.4) (\$18,922.4) (\$15,847.0) EMENTS \$12.5 \$12.5 \$12.5 \$12.5 \$12.5 \$12.5 \$12.5 \$15.5 \$16.8 67,510 69,185 69,461 73,430 74,704 \$3,519.0 \$3,678.4 \$3,766.9 \$4,061.8 \$4,214.9 (\$1,435.1) (\$1,317.9) (\$1,185.4) (\$1,040.7) (\$871.6) \$61.3 \$64.1 \$65.6 \$70.8 \$73.5 \$2,145.2 \$2,424.6 \$2,647.1 \$3,091.9 \$3,416.8 | (\$26,091.8) (\$23,962.1) (\$21,553.4) (\$18,922.4) (\$15,847.0) (\$12,447.0) EMENTS \$12.5 \$12.5 \$12.5 \$12.5 \$12.5 \$12.5 \$12.5 \$12.5 \$15.5 \$15.5 \$15.8 \$16.2 \$16.5 \$16.8 \$17.1 67,510 69,185 69,461 73,430 74,704 76,376 \$3,519.0 \$3,678.4 \$3,766.9 \$4,061.8 \$4,214.9 \$4,395.5 (\$1,435.1) (\$1,317.9) (\$1,185.4) (\$1,040.7) (\$871.6) (\$684.6) \$61.3 \$64.1 \$65.6 \$70.8 \$73.5 \$76.6 \$2,145.2 \$2,424.6 \$2,647.1 \$3,091.9 \$3,416.8 \$3,787.5 | (\$26,091.8) (\$23,962.1) (\$21,553.4) (\$18,922.4) (\$15,847.0) (\$12,447.0) (\$8,676.6) EMENTS \$12.5 \$12.5 \$12.5 \$12.5 \$12.5 \$12.5 \$12.5 \$12.5 \$12.5 \$12.5 \$15.5 \$15.5 \$15.8 \$16.2 \$16.5 \$16.8 \$17.1 \$17.5 \$17. | (\$26,091.8) (\$23,962.1) (\$21,553.4) (\$18,922.4) (\$15,847.0) (\$12,447.0) (\$8,676.6) (\$4,539.5) EMENTS \$12.5 \$12. |

| 2023 Adjusted Charge Per Square Metre | \$41.92 |
|---------------------------------------|---------|
| | |

| Allocation of Capital Program | |
|------------------------------------|-------|
| Residential Sector | 76.1% |
| Retail Sector | 7.0% |
| Non-Retail Sector | 16.9% |
| Rates for 2023 | |
| Inflation Rate | 2.0% |
| Interest Rate on Positive Balances | 3.5% |
| Interest Rate on Negative Balances | 5.5% |
| | |



Appendix E.5 Secondary Plan Areas: Wastewater Services – Collection Systems



Wastewater Services – Collection Systems

This appendix provides a brief outline of the infrastructure included in the Wastewater Services – Collection Systems development charge for the Secondary Plan Areas of Salem & Hewitt's in the City. The development-related projects outlined in this appendix are required to service the demands of new development to 2041 in the Secondary Plan Areas.

The following discusses the individual components included in the Wastewater Services – Collection Systems service category. The analysis is set out in the tables which follow. The tables include:

Table E.5-1 2023-2041 Development-Related Capital Forecast and Calculation of the Discounted Growth-Related Net Capital Costs

Table E.5-2 Cash Flow Analysis

A. Development-Related Capital Program

i. Gross Capital Program Costs

The capital program includes for the recovery of a negative reserve fund balance (\$22.35 million), linear assets related to wastewater collection (\$179.36 million), and an adjustment for shares of projects which have previously been funded from development charges (\$11.36 million). The total capital program amounts to \$190.35 million.

ii. Grants, Subsidies and Other Recoveries

No grants, subsidies or other recoveries have been identified for this service, therefore no adjustments are made.



iii. Replacement and Benefit to Existing Shares

Similar to the water distribution assets described in Appendix E.4, the wastewater collection assets identified in the capital program are required to service growth in the Secondary Plan Areas to 2041. As the program includes net new assets required to service this development, no benefit to existing or replacement shares have been identified.

iv. Available DC Reserve Funds

The current reserve fund balance is in a deficit position of \$22.35 million and is included for recovery in the capital program.

v. Other Development-Related / Post-Period Benefit Shares

The projects included in the capital program are required to service growth over the planning horizon. Therefore, no post-period shares of projects have been identified.

vi. 2023-2041 DC Eligible Development Related Costs

The total DC eligible in-period recoverable capital costs amount to \$190.35 million and is included for recovery in the DC rate calculation.

B. Cash Flow Analysis

The long-term cash-flow analysis takes into consideration expenditure timing and revenue projections. The effect of the analysis is an increase in the development charge rates as a result of the capital program being largely front-ended. The adjusted residential charge amounts to \$4,055.49 per capita, the retail cash-flow amounts to \$89.99 per square metre of gross floor area and non-retail amounts to \$36.54 per square metre.

The following table summarizes the calculation of the Wastewater Services – Collection Systems development charge:

| | | WACTEN | NATER CERVICES C | COLLECTION SYSTEMS | CUMMARY | | | | | | | |
|----------------|--|------------|------------------|--------------------|------------|--------------------|---------------------|--|--|--|--|--|
| | | WASTE | | OLLECTION STSTEMS | SUMIMART | | | | | | | |
| 202 | 23 - 2041 | | Unadjusted | | | Adjusted | | | | | | |
| Development-Re | Development-Related Capital Program Development Charge | | | | | Development Charge | | | | | | |
| Total | Net DC Recoverable | \$/capita | Retail \$/sq.m | Non-Retail\$/sq.m | \$/capita | Retail \$/sq.m | Non- Retail \$/sq.m | | | | | |
| \$190,348,417 | \$190,348,417 | \$3,258.05 | \$65.16 | \$34.75 | \$4,055.49 | \$89.99 | \$36.54 | | | | | |
| | | | | | | | | | | | | |



APPENDIX E.5 TABLE 1

CITY OF BARRIE AREA-SPECIFIC DEVELOPMENT CHARGES SECONDARY PLAN AREAS SALEM & HEWITTS DEVELOPMENT-RELATED CAPITAL PROGRAM WASTEWATER SERVICES - COLLECTION SYSTEMS

| 2023 - 202 2023 - 202 2023 - 202 | \$ | Project Cost 22,347,618 22,347,618 9,616,156 | | \$ \$ | 22,347,618 22,347,618 | Replacement & BTE Shares 0% | | Shares | \$ | 22,347,618 22,347,618 | - | es · | 2023- 2041 \$ 22,347,618 \$ 22,347,618 | \$ | Post 2041* |
|----------------------------------|---|--|---|---|---|--|--|---|--|---|--|---|---|--|--|
| 2023 - 202 | \$ | 22,347,618 | | \$ \$ | | 0% | <u>\$</u> \$ | | - I - | | - | -1 | | <u>\$</u> | |
| 2023 - 202 | \$ | 22,347,618 | | \$ | | 0% | \$ | | - I - | | - | -1 | | <u>\$</u> \$ | |
| 2023 - 202 | \$ | 22,347,618 | | \$ | | 0% | \$ | | - I - | | - | -1 | | \$ | |
| | | | \$ - | \$ | 22,347,618 | | \$ | - | \$ | 22,347,618 | \$ | - : | \$ 22,347,618 | \$ | |
| | 4 \$ | 0.616.156 | | | | | | | | | | | | | _ |
| | 4 \$ | 0.616.156 | | | | | | | | | | | | | |
| 2023 - 202 | | 9,010,150 | \$ - | \$ | 9,616,156 | 0% | \$ | - | \$ | 9,616,156 | \$ | - : | \$ 9,616,156 | \$ | - |
| 2023 202 | 4 \$ | 26,579,655 | \$ - | \$ | 26,579,655 | 0% | \$ | - | \$ | 26,579,655 | \$ | - : | \$ 26,579,655 | \$ | - |
| | | | | \$ | 40,685,760 | 0% | \$ | - | \$ | | | - : | \$ 40,685,760 | \$ | |
| | - 1 | | | _ | | | \$ | - | \$ | | | - : | | \$ | |
| | | , , | | | , , | | \$ | | \$ | | | - : | | \$ | |
| | | | \$ - | | | | \$ | | \$ | | | - : | | \$ | |
| | | | • | _ | , , | | \$ | | \$ | , , | | | | \$ | |
| | | | | | | | - | | \$ | | | - 1 | | \$ | |
| 2024 - 202 | 5 \$ | 4,205,215 | \$ - | \$ | 4,205,215 | 0% | \$ | - | \$ | 4,205,215 | \$ | - ; | \$ 4,205,215 | \$ | |
| 2024 - 202 | 5 \$ | 3,986,294 | \$ - | \$ | 3,986,294 | 0% | \$ | - | \$ | 3,986,294 | \$ | - : | \$ 3,986,294 | \$ | |
| 2032 - 204 | 1 \$ | 25,218,112 | \$ - | \$ | 25,218,112 | 0% | \$ | - | \$ | 25,218,112 | \$ | - : | \$ 25,218,112 | \$ | |
| 2032 - 204 | 1 \$ | 5,078,406 | \$ - | \$ | 5,078,406 | 0% | \$ | - | \$ | | | - : | \$ 5,078,406 | \$ | |
| 2032 - 204 | 1 \$ | 904,886 | \$ - | \$ | 904,886 | 0% | \$ | - | \$ | 904,886 | \$ | - : | \$ 904,886 | \$ | |
| 2032 - 204 | 1 \$ | 904,886 | \$ - | \$ | 904,886 | 0% | \$ | - | \$ | 904,886 | \$ | - : | \$ 904,886 | \$ | |
| 2022 204 | 1 ¢ | 2 705 221 | ¢ | | 2 705 221 | 00/ | ¢ | | • | 2 705 221 | ¢ | | ¢ 2705221 | ¢ | |
| 2032 - 204 | 1 Φ | 2,750,551 | 9 - | Φ | 2,750,331 | 076 | φ | - | 9 | 2,750,331 | Φ | · . | \$ 2,750,001 | D. | |
| 2024 202 | 1 ¢ | 3 333 533 | ¢ | | 3 333 533 | 00/ | • | | 0 | 3 333 E33 | ¢ | | ¢ 3377 E77 | • | |
| 2024 - 203 | τ φ | 3,322,322 | Ψ - | φ | 3,322,322 | U76 | a a | | 9 | 3,322,322 | Ψ | -1 | ψ 3,322,322 | 9 | |
| | \$ | 179,361,447 | \$ - | \$ | 179,361,447 | | \$ | - | \$ | 179,361,447 | \$ | - : | \$ 179,361,447 | \$ | |
| | 2025 - 202 2025 - 202 2023 - 202 2024 - 203 2024 - 202 2024 - 202 2024 - 202 2024 - 202 2032 - 204 2032 - 204 2032 - 204 2032 - 204 | 2025 - 2026 \$ 2025 - 2026 \$ 2023 - 2024 \$ 2024 - 2031 \$ 2024 - 2025 \$ 2024 - 2025 \$ 2024 - 2025 \$ 2024 - 2025 \$ 2024 - 2025 \$ 2032 - 2041 \$ 2032 - 2041 \$ 2032 - 2041 \$ 2032 - 2041 \$ 2032 - 2041 \$ 2032 - 2041 \$ 2032 - 2041 \$ 2032 - 2041 \$ | 2025 - 2026 \$ 40,685,760 2025 - 2026 \$ 16,753,150 2023 - 2024 \$ 9,295,485 2024 - 2031 \$ 25,218,112 2024 - 2031 \$ 1,391,344 2024 - 2025 \$ 3,406,133 2024 - 2025 \$ 3,986,294 2032 - 2041 \$ 25,218,112 2032 - 2041 \$ 5,078,406 2032 - 2041 \$ 904,886 2032 - 2041 \$ 904,886 2032 - 2041 \$ 2,795,331 2024 - 2031 \$ 2,795,331 2024 - 2031 \$ 3,322,522 | 2025 - 2026 \$ 40,685,760 \$ - 2025 - 2026 \$ 16,753,150 \$ - 2023 - 2024 \$ 9,295,485 \$ - 2024 - 2031 \$ 25,218,112 \$ - 2024 - 2031 \$ 1,391,344 \$ - 2024 - 2025 \$ 3,406,133 \$ - 2024 - 2025 \$ 4,205,215 \$ - 2024 - 2025 \$ 3,986,294 \$ - 2032 - 2041 \$ 25,218,112 \$ - 2032 - 2041 \$ 5,078,406 \$ - 2032 - 2041 \$ 904,886 \$ - 2032 - 2041 \$ 904,886 \$ - 2032 - 2041 \$ 2,795,331 \$ - | 2025 2026 \$ 40,685,760 \$ - \$ 2025 2026 \$ 16,783,150 \$ - \$ 2023 2024 \$ 9,295,485 \$ - \$ 2024 2031 \$ 25,218,112 \$ - \$ 2024 2031 \$ 1,391,344 \$ - \$ 2024 2025 \$ 3,406,133 \$ - \$ 2024 2025 \$ 4,205,215 \$ - \$ 2024 2025 \$ 3,986,294 \$ - \$ 2032 2041 \$ 25,218,112 \$ - \$ 2032 2041 \$ 25,218,112 \$ - \$ 2032 2041 \$ 5,078,406 \$ - \$ 2032 2041 \$ 904,886 \$ - \$ 2032 2041 \$ 904,886 \$ - \$ 2032 2041 \$ 2,795,331 \$ - \$ 2032 2041 \$ 2,795,331 \$ - \$ | 2025 - 2026 \$ 40,685,760 \$ - \$ 40,685,760 2025 - 2026 \$ 16,753,150 \$ - \$ 16,753,150 2023 - 2024 \$ 9,295,485 \$ - \$ 9,295,485 2024 - 2031 \$ 25,218,112 \$ - \$ 25,218,112 2024 - 2031 \$ 1,391,344 \$ - \$ 1,391,344 2024 - 2025 \$ 3,406,133 \$ - \$ 3,406,133 2024 - 2025 \$ 4,205,215 \$ - \$ 4,205,215 2024 - 2025 \$ 3,986,294 \$ - \$ 3,986,294 2032 - 2041 \$ 25,218,112 \$ - \$ 25,218,112 2032 - 2041 \$ 5,078,406 \$ - \$ 5,078,406 2032 - 2041 \$ 904,886 \$ - \$ 904,886 2032 - 2041 \$ 904,886 \$ - \$ 904,886 2032 - 2041 \$ 2,795,331 \$ - \$ 2,795,331 2024 - 2031 \$ 3,322,522 \$ - \$ 3,3322,522 | 2025 - 2026 \$ 40,685,760 \$ - \$ 40,685,760 0% 2025 - 2026 \$ 16,753,150 \$ - \$ 16,753,150 0% 2023 - 2024 \$ 9,295,485 \$ - \$ 9,295,485 0% 2024 - 2031 \$ 25,218,112 \$ - \$ 25,218,112 0% 2024 - 2031 \$ 1,391,344 \$ - \$ 1,391,344 0% 2024 - 2025 \$ 3,406,133 \$ - \$ 3,406,133 0% 2024 - 2025 \$ 4,205,215 \$ - \$ 4,205,215 0% 2024 - 2025 \$ 3,986,294 \$ - \$ 3,986,294 0% 2032 - 2041 \$ 25,218,112 \$ - \$ 25,218,112 0% 2032 - 2041 \$ 5,078,406 \$ - \$ 5,078,406 0% 2032 - 2041 \$ 904,886 \$ - \$ 904,886 0% 2032 - 2041 \$ 904,886 \$ - \$ 904,886 0% 2032 - 2041 \$ 2,795,3 | 2025 - 2026 \$ 40,685,760 \$ - \$ 40,685,760 0% \$ 2025 - 2026 \$ 16,753,150 \$ - \$ 16,753,150 0% \$ 2023 - 2024 \$ 9,295,485 \$ - \$ 9,295,485 0% \$ 2024 - 2031 \$ 25,218,112 \$ - \$ 25,218,112 0% \$ 2024 - 2035 \$ 1,391,344 \$ - \$ 1,391,344 0% \$ 2024 - 2025 \$ 3,406,133 \$ - \$ 3,406,133 0% \$ 2024 - 2025 \$ 3,406,133 \$ - \$ 4,205,215 0% \$ 2024 - 2025 \$ 3,986,294 \$ - \$ 3,986,294 0% \$ 2024 - 2025 \$ 3,986,294 \$ - \$ 3,986,294 0% \$ 2032 - 2041 \$ 25,218,112 \$ - \$ 25,218,112 0% \$ 2032 - 2041 \$ 25,218,112 \$ - \$ 25,218,112 0% \$ 2032 - 2041 \$ 904,886 \$ - \$ 904,886 0% \$ 2032 - 2041 \$ 904,886 \$ - \$ 904,886 0% \$ 2032 - 2041 \$ 2,795,331 \$ - \$ 2,795,331 0% \$ 2024 - 2031 \$ 3,322,522 \$ - \$ 3,3322,522 0% \$ \$ - \$ 3,3322,522 \$ - \$ 3,3322,522 \$ - \$ 3,3322,522 \$ 0% \$ \$ - \$ \$ 3,3322,522 \$ - \$ \$ 3,3322,522 \$ - \$ \$ \$ 3,3322,522 \$ - \$ \$ 3,3322,522 \$ - \$ \$ \$ 3,3322,522 \$ - \$ \$ \$ 3,3322,522 \$ - \$ \$ \$ 3,3322,522 \$ - \$ \$ \$ 3,3322,522 \$ - \$ \$ \$ 3,3322,522 \$ - \$ \$ \$ 3,3322,522 \$ - \$ \$ \$ 3,3322,522 \$ - \$ \$ \$ 3,3322,522 \$ - \$ \$ \$ 3,3322,522 \$ - \$ \$ \$ 3,3322,522 \$ - \$ \$ \$ 3,3322,522 \$ - \$ \$ \$ 3,3322,522 \$ - \$ \$ \$ 3,3322,522 \$ - \$ \$ \$ 3,3322,522 \$ - \$ \$ \$ 3,3322,522 \$ - \$ \$ \$ \$ 3,3322,522 \$ - \$ \$ \$ \$ 3,3322,522 | 2025 - 2026 \$ 40,685,760 \$ - \$ 40,685,760 0% \$ - 2025 - 2026 \$ 16,753,150 \$ - \$ 16,753,150 0% \$ - 2023 - 2024 \$ 9,295,485 \$ - \$ 9,295,485 0% \$ - 2024 - 2031 \$ 25,218,112 \$ - \$ 25,218,112 0% \$ - 2024 - 2031 \$ 1,391,344 \$ - \$ 1,391,344 0% \$ - 2024 - 2025 \$ 3,406,133 \$ - \$ 3,406,133 0% \$ - 2024 - 2025 \$ 3,406,133 \$ - \$ 4,205,215 0% \$ - 2024 - 2025 \$ 3,986,294 \$ - \$ 3,986,294 0% \$ - 2025 \$ 3,986,294 \$ - \$ 3,986,294 0% \$ - 2024 - 2025 \$ 3,986,294 \$ - \$ 3,986,294 0% \$ - 2024 - 2021 \$ 25,218,112 \$ - \$ 25,218,112 0% \$ - 2024 - 2025 \$ 3,986,294 \$ - \$ 3,986,294 0% \$ - 2025 \$ 3,986,294 \$ - \$ 3,986,294 0% \$ - 2025 \$ 3,986,294 \$ - \$ 3,986,294 0% \$ - 2025 \$ 3,986,294 \$ - \$ 3,986,294 0% \$ - 2026 \$ 2027 \$ 202 | 2025 - 2026 \$ 40,685,760 \$ - \$ 40,685,760 0% \$ - \$ 40,685,760 0% \$ - \$ 2025 - 2026 \$ 16,753,150 0% \$ - \$ 16,753,150 0% \$ - \$ 2024 - \$ 2024 \$ 9,295,485 0% \$ - \$ 25,218,112 0% \$ -< | 2025 - 2026 \$ 40,685,760 \$ - \$ 40,685,760 0% \$ - \$ 40,685,760 2025 - 2026 \$ 16,753,150 \$ - \$ 16,753,150 0% \$ - \$ 16,753,150 2023 - 2024 \$ 9,295,485 \$ - \$ 9,295,485 0% \$ - \$ 9,295,485 2024 - 2031 \$ 25,218,112 \$ - \$ 25,218,112 0% \$ - \$ 25,218,112 2024 - 2031 \$ 1,391,344 \$ - \$ 1,391,344 0% \$ - \$ 1,391,344 2024 - 2025 \$ 3,406,133 \$ - \$ 3,406,133 0% \$ - \$ 3,406,313 2024 - 2025 \$ 3,986,294 \$ - \$ 4,205,215 0% \$ - \$ 3,986,294 2032 - 2041 \$ 25,218,112 \$ - \$ 25,218,112 0% \$ - \$ 25,218,112 2032 - 2041 \$ 5,078,406 \$ - \$ 5,078,406 \$ - \$ 5,078,406 2032 - 2041 \$ 904,886 \$ - \$ 904,886 0% \$ - \$ 904,886 2032 - 2041 \$ 904,886 \$ - | 2025 - 2026 \$ 40,685,760 \$ - \$ 40,685,760 \$ - \$ 40,685,760 \$ - \$ 40,685,760 \$ - \$ 40,685,760 \$ - \$ 40,685,760 \$ - \$ 40,685,760 \$ - \$ 16,753,150 \$ - \$ 16,753,150 \$ - \$ 16,753,150 \$ - \$ 16,753,150 \$ - \$ 16,753,150 \$ - \$ 16,753,150 \$ - \$ 16,753,150 \$ - \$ 16,753,150 \$ - \$ 25,218,112 \$ - \$ 25,218,112 \$ - \$ 9,295,485 \$ - \$ 9,295,485 \$ - \$ 9,295,485 \$ - \$ 9,295,485 \$ - \$ 9,295,485 \$ - \$ 9,295,485 \$ - \$ 9,295,485 \$ - \$ 9,295,485 \$ - \$ 9,295,485 \$ - \$ 9,295,485 \$ - \$ 9,295,485 \$ - \$ 9,295,485 \$ - \$ 9,295,485 \$ - \$ 9,295,485 \$ - \$ 9,295,485 \$ - \$ 9,295,485 \$ - \$ 9,295,485 \$ - \$ 25,218,112 \$ 25,218,112 \$ - \$ 25,218,112 \$ - \$ 25,218,112 \$ - \$ 1,391,344 90% \$ - \$ 3,40 | 2025 - 2026 \$ 40,685,760 \$ - \$ 40,685,760 0% \$ - \$ 16,753,150 \$ - \$ 2025 - 2026 \$ 16,753,150 \$ - \$ 16,753,150 0% \$ - \$ 16,753,150 \$ - \$ 2024 - 2031 \$ 25,218,112 \$ - \$ 25,218,112 0% \$ - \$ 25,218,112 \$ - \$ 25,218,112 0% \$ - \$ 1,391,344 \$ - \$ 1,391,344 0% \$ - \$ 1,391,344 \$ - \$ 2024 - 2025 \$ 3,406,133 \$ - \$ 3,406,133 \$ - \$ 3,406,133 \$ - \$ 4,205,215 \$ - \$ 4,205,215 0% \$ - \$ 4,205,215 \$ - \$ 2024 - 2025 \$ 3,986,294 \$ - \$ 3,986,294 \$ | 2025 - 2026 \$ 40,685,760 \$ - \$ 40,685,760 0% \$ - \$ 40,685,760 | 2025 - 2026 \$ 40,685,760 \$ - \$ 40,685,760 \$ - \$ 40,685,760 \$ - \$ 40,685,760 \$ - \$ 40,685,760 \$ - \$ 40,685,760 \$ - \$ 40,685,760 \$ - \$ 40,685,760 \$ - \$ 40,685,760 \$ - \$ 40,685,760 \$ - \$ 40,685,760 \$ - \$ 40,685,760 \$ - \$ 40,685,760 \$ - \$ 40,685,760 \$ - \$ 40,685,760 \$ - \$ 40,685,760 \$ - \$ 40,685,760 \$ - \$ 16,753,150 \$ - \$ 16,753,150 \$ - \$ 16,753,150 \$ - \$ 16,753,150 \$ - \$ 16,753,150 \$ - \$ 16,753,150 \$ - \$ 9,295,485 \$ - \$ 9,295,485 \$ - \$ 9,295,485 \$ - \$ 9,295,485 \$ - \$ 9,295,485 \$ - \$ 9,295,485 \$ - \$ 9,295,485 \$ - \$ 9,295,485 \$ - \$ 9,295,485 \$ - \$ 9,295,485 \$ - \$ 9,295,485 \$ - \$ 9,295,485 \$ - \$ 9,295,485 \$ - \$ 9,295,485 \$ - \$ 1,391,444 \$ - \$ 1,391,444 \$ - \$ 1, |



APPENDIX E.5 TABLE 1

CITY OF BARRIE AREA-SPECIFIC DEVELOPMENT CHARGES SECONDARY PLAN AREAS SALEM & HEWITTS DEVELOPMENT-RELATED CAPITAL PROGRAM WASTEWATER SERVICES - COLLECTION SYSTEMS

| | | Gross | Grants/ | Net | Ineligib | le Costs | Total | | DC Eligible Costs | i |
|--|-------------|------------------------------------|-------------------------------|------------------------------------|-----------------------------|---------------------|------------------------------------|--------------------------|------------------------------------|---------------|
| Project Description | | Project Cost | Subsidies/Other Recoveries | Municipal Cost | Replacement & BTE Shares | | DC Eligible Costs | Available DC Reserves | 2023- 2041 | Post 2041* |
| 3.0 Adjustment For Funded Shares Of Projects 3.1.1 Prior funded shares of projects Subtotal Adjustment For Funded Shares Of Projects | 2023 - 2041 | \$ (11,360,648) \$ (11,360,648) | | \$ (11,360,648) \$ (11,360,648) | | <u>\$ -</u> \$ - | \$ (11,360,648) \$ (11,360,648) | | \$ (11,360,648) \$ (11,360,648) | |
| TOTAL WASTEWATER SERVICES - COLLECTION SYSTEMS | | \$ 190,348,417 | s - | \$ 190,348,417 | | \$ - | \$ 190,348,417 | \$ - | \$ 190,348,417 | \$ - |

*Development related costs to be considered for funding from other tools and/or future DC Studies.

| Residential Development Charge Calculation | | |
|---|------|---------------|
| Residential Share of 2023 - 2041 DC Eligible Costs | #### | \$144,937,692 |
| Long-Term Growth in Population in New Units | | 44,486 |
| Unadjusted Development Charge Per Capita | | \$3,258.05 |
| Non-Residential Retail Development Charge Calculation | | |
| Non-Residential Share of 2023 - 2041 DC Eligible Costs | 7.0% | \$13,309,142 |
| Long-Term Growth in Square Metres | | 204,250 |
| Unadjusted Development Charge Per Square Metre | | \$65.16 |
| Non-Residential Non-Retail Development Charge Calculation | | |
| Non-Residential Share of 2023 - 2041 DC Eligible Costs | #### | \$32,101,584 |
| Long-Term Growth in Square Metres | | 923,885 |
| Unadjusted Development Charge Per Square Metre | | \$34.75 |

Current Reserve Fund Balance (\$22,347,618)



APPENDIX E.5 TABLE 2-1

CITY OF BARRIE

CASHFLOW AND DETERMINATION OF DEVELOPMENT CHARGE WASTEWATER SERVICES - COLLECTION SYSTEMS RESIDENTIAL DEVELOPMENT CHARGE (in \$000)

| WASTEWATER SERVICES - COLLECTION SYSTEM | 2023 | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | 2030 | 2031 | 2032 | | | |
|--|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--|--|--|
| OPENING CASH BALANCE | (\$17,016.2) | (\$41,046.4) | (\$57,077.5) | (\$73,980.8) | (\$88,708.7) | (\$82,283.6) | (\$73,734.7) | (\$60,188.0) | (\$46,975.7) | (\$26,991.5) | | | |
| 2023 - 2041 RESIDENTIAL FUNDING REQUIREMENTS | | | | | | | | | | | | | |
| - Prior Growth (Funding from DC Reserve Balance) | \$0.00 | \$0.0 | \$0.0 | \$0.0 | \$0.0 | \$0.0 | \$0.0 | \$0.0 | \$0.0 | \$0.0 | | | |
| - Wastewater Services - Collection Systems: Non Infl | \$33,880.25 | \$24,128.3 | \$28,677.0 | \$24,261.6 | \$2,393.6 | \$2,393.6 | \$2,393.6 | \$2,393.6 | \$2,393.6 | \$2,202.2 | | | |
| - Wastewater Services - Collection Systems: Inflated | \$33,880.2 | \$24,610.9 | \$29,835.5 | \$25,746.6 | \$2,590.9 | \$2,642.7 | \$2,695.6 | \$2,749.5 | \$2,804.5 | \$2,631.9 | | | |
| NEW RESIDENTIAL DEVELOPMENT | | | | | | | | | | | | | |
| - Population Growth in New Units | 2,812 | 2,709 | 3,065 | 3,572 | 3,121 | 3,460 | 4,378 | 4,076 | 5,258 | 1,428 | | | |
| REVENUE | | | | | | | | | | | | | |
| - DC Receipts: Inflated | \$11,404.0 | \$11,206.0 | \$12,932.25 | \$15,372.9 | \$13,700.5 | \$15,492.5 | \$19,994.9 | \$18,988.0 | \$24,984.2 | \$6,921.1 | | | |
| INTEREST | | | | | | | | | | | | | |
| - Interest on Opening Balance | (\$935.9) | (\$2,257.6) | \$0.0 | (\$4.068.9) | (\$4.879.0) | (\$4.525.6) | (\$4.055.4) | (\$3,310.3) | (\$2.583.7) | (\$1,484.5) | | | |
| - Interest on In-year Transactions | (\$618.1) | (\$368.6) | \$0.0 | (\$285.3) | \$194.4 | \$224.9 | \$302.7 | \$284.2 | \$388.1 | \$75.1 | | | |
| TOTAL REVENUE | \$9,850.0 | \$8,579.9 | \$12,932.3 | \$11,018.7 | \$9,016.0 | \$11,191.7 | \$16,242.3 | \$15,961.8 | \$22,788.7 | \$5,511.6 | | | |
| CLOSING CASH BALANCE | (\$41,046.4) | (\$57,077.5) | (\$73,980.8) | (\$88,708.7) | (\$82,283.6) | (\$73,734.7) | (\$60,188.0) | (\$46,975.7) | (\$26,991.5) | (\$24,111.8 | | | |

| WASTEWATER SERVICES - COLLECTION SYSTEMS | 2034 | 2035 | 2036 | 2037 | 2038 | 2039 | 2040 | 2041 | TOTAL |
|---|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|----------------------------|
| OPENING CASH BALANCE | (\$21,353.6) | (\$18,890.5) | (\$16,705.9) | (\$15,265.5) | (\$12,348.4) | (\$8,973.5) | (\$5,581.2) | (\$2,675.7) | |
| 2023 - 2041 RESIDENTIAL FUNDING REQUIREMENTS - Wastewater Services - Collection Systems: Non Infla - Wastewater Services - Collection Systems: Inflated | \$2,202.2 \$2,738.2 | \$2,202.2 \$2,793.0 | \$2,202.2 \$2,848.8 | \$2,202.2 \$2,905.8 | \$2,202.2 \$2,963.9 | \$2,202.2 \$3,023.2 | \$2,202.2 \$3,083.7 | \$2,202.2 \$3,145.3 | \$144,937.7 \$156,375.0 |
| NEW RESIDENTIAL DEVELOPMENT - Population Growth in New Units | 1,252 | 1,159 | 985 | 1,233 | 1,273 | 1,229 | 1,099 | 1,022 | 44,486 |
| REVENUE - DC Receipts: Inflated | \$6,313.2 | \$5,961.1 | \$5,167.5 | \$6,597.9 | \$6,948.2 | \$6,842.2 | \$6,240.9 | \$5,919.7 | \$207,685.8 |
| INTEREST - Interest on Opening Balance - Interest on In-year Transactions | (\$1,174.5) \$62.6 | (\$1,039.0) \$55.4 | (\$918.8) \$40.6 | (\$839.6) \$64.6 | (\$679.2) \$69.7 | (\$493.5) \$66.8 | (\$307.0) \$55.3 | (\$147.2) \$48.6 | (\$35,025.7) \$731.2 |
| TOTAL REVENUE | \$5,201.3 | \$4,977.6 | \$4,289.3 | \$5,823.0 | \$6,338.8 | \$6,415.5 | \$5,989.1 | \$5,821.1 | \$173,391.2 |
| CLOSING CASH BALANCE | (\$18,890.5) | (\$16,705.9) | (\$15,265.5) | (\$12,348.4) | (\$8,973.5) | (\$5,581.2) | (\$2,675.7) | \$0.0 | |

| 2023 Adjusted Charge Per Capita | \$4,055.49 |
|---------------------------------|------------|
| | |

| Allocation of Capital Program | |
|------------------------------------|-------|
| Residential Sector | 76.1% |
| Non-Residential Sector | 23.9% |
| Rates for 2023 | |
| Inflation Rate | 2.0% |
| Interest Rate on Positive Balances | 3.5% |
| Interest Rate on Negative Balances | 5.5% |
| | |



APPENDIX E.5 TABLE 2-2

CITY OF BARRIE

CASHFLOW AND DETERMINATION OF DEVELOPMENT CHARGE WASTEWATER SERVICES - COLLECTION SYSTEMS RETAIL DEVELOPMENT CHARGE

(in \$000)

| WASTEWATER SERVICES - COLLECTION SYSTEMS | 2023 | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | 2030 | 2031 | 2032 |
|--|-------------|-------------|-------------|--------------|--------------|-------------|-------------|-------------|-------------|-------------|
| OPENING CASH BALANCE | (\$1,562.5) | (\$4,174.2) | (\$5,962.8) | (\$8,250.5) | (\$10,182.6) | (\$9,944.0) | (\$9,595.2) | (\$9,126.9) | (\$8,525.1) | (\$7,782.3) |
| 2023 - 2041 NON-RESIDENTIAL FUNDING REQUIREMENT | S | | | | | | | | | |
| - Prior Growth (Funding from DC Reserve Balance) | \$0.00 | \$0.0 | \$0.0 | \$0.0 | \$0.0 | \$0.0 | \$0.0 | \$0.0 | \$0.0 | \$0.0 |
| - Wastewater Services - Collection Systems: Non Inflated | \$3,111.1 | \$2,215.6 | \$2,633.3 | \$2,227.9 | \$219.8 | \$219.8 | \$219.8 | \$219.8 | \$219.8 | \$202.2 |
| - Wastewater Services - Collection Systems: Inflated | \$3,111.1 | \$2,259.9 | \$2,739.7 | \$2,364.2 | \$237.9 | \$242.7 | \$247.5 | \$252.5 | \$257.5 | \$241.7 |
| NON-RESIDENTIAL SPACE GROWTH | | | | | | | | | | |
| - Growth in Square Metres | 7,256 | 8,091 | 8,891 | 9,691 | 10,501 | 11,302 | 12,102 | 12,937 | 13,737 | 12,902 |
| REVENUE | | | | | | | | | | |
| - DC Receipts: Inflated | \$653.0 | \$742.7 | \$832.4 | \$925.5 | \$1,022.9 | \$1,122.9 | \$1,226.4 | \$1,337.3 | \$1,448.4 | \$1,387.5 |
| INTEREST | | | | | | | | | | |
| - Interest on Opening Balance | (\$85.9) | (\$229.6) | (\$328.0) | (\$453.8) | (\$560.0) | (\$546.9) | (\$527.7) | (\$502.0) | (\$468.9) | (\$428.0) |
| - Interest on In-year Transactions | (\$67.6) | (\$41.7) | (\$52.5) | (\$39.6) | \$13.7 | \$15.4 | \$17.1 | \$19.0 | \$20.8 | \$20.1 |
| TOTAL REVENUE | \$499.4 | \$471.4 | \$452.0 | \$432.1 | \$476.6 | \$591.4 | \$715.8 | \$854.3 | \$1,000.3 | \$979.6 |
| CLOSING CASH BALANCE | (\$4,174.2) | (\$5,962.8) | (\$8,250.5) | (\$10,182.6) | (\$9,944.0) | (\$9,595.2) | (\$9,126.9) | (\$8,525.1) | (\$7,782.3) | (\$7,044.4) |

| WASTEWATER SERVICES - COLLECTION SYSTEMS | 2034 | 2035 | 2036 | 2037 | 2038 | 2039 | 2040 | 2041 | TOTAL |
|--|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|--------------------|--------------------------|
| OPENING CASH BALANCE | (\$6,634.6) | (\$6,150.3) | (\$5,585.6) | (\$4,921.8) | (\$4,163.9) | (\$3,304.7) | (\$2,336.7) | (\$1,238.4) | |
| 2023 - 2041 NON-RESIDENTIAL FUNDING REQUIREMENT: - Wastewater Services - Collection Systems: Non Inflated - Wastewater Services - Collection Systems: Inflated | \$202.2 \$251.4 | \$202.2 \$256.5 | \$202.2 \$261.6 | \$202.2 \$266.8 | \$202.2 \$272.2 | \$202.2 \$277.6 | \$202.2 \$283.2 | \$202.2 \$288.8 | \$13,309.1 \$14,359.4 |
| NON-RESIDENTIAL SPACE GROWTH - Growth in Square Metres | 9,706 | 10,023 | 10,445 | 10,761 | 11,078 | 11,394 | 11,816 | 12,238 | 204,261 |
| REVENUE - DC Receipts: Inflated | \$1,086.0 | \$1,143.9 | \$1,215.9 | \$1,277.7 | \$1,341.7 | \$1,407.6 | \$1,488.9 | \$1,572.9 | \$16,452.5 |
| INTEREST - Interest on Opening Balance - Interest on In-year Transactions | (\$364.9) \$14.6 | (\$338.3) \$15.5 | (\$307.2) \$16.7 | (\$270.7) \$17.7 | (\$229.0) \$18.7 | (\$181.8) \$19.8 | (\$128.5) \$21.1 | (\$68.1) \$22.5 | (\$5,799.4) (\$17.0) |
| TOTAL REVENUE | \$735.7 | \$821.2 | \$925.4 | \$1,024.7 | \$1,131.4 | \$1,245.6 | \$1,381.5 | \$1,527.3 | \$10,636.2 |
| CLOSING CASH BALANCE | (\$6,150.3) | (\$5,585.6) | (\$4,921.8) | (\$4,163.9) | (\$3,304.7) | (\$2,336.7) | (\$1,238.4) | \$0.0 | |

2023 Adjusted Charge Per Square Metre \$89.99

| Allocation of Capital Program | |
|------------------------------------|-------|
| Residential Sector | 76.1% |
| Retail Sector | 7.0% |
| Non-Retail Sector | 16.9% |
| Rates for 2023 | |
| Inflation Rate | 2.0% |
| Interest Rate on Positive Balances | 3.5% |
| Interest Rate on Negative Balances | 5.5% |
| | |



APPENDIX E.5 TABLE 2-3

CITY OF BARRIE

CASHFLOW AND DETERMINATION OF DEVELOPMENT CHARGE WASTEWATER SERVICES - COLLECTION SYSTEMS NON-RETAIL DEVELOPMENT CHARGE (in \$000)

| WASTEWATER SERVICES - COLLECTION SYST | 2023 | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | 2030 | 2031 | 2032 |
|---|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| OPENING CASH BALANCE | (\$3,768.8) | (\$10,208.5) | (\$14,696.2) | (\$20,415.8) | (\$25,308.7) | (\$24,996.2) | (\$24,453.9) | (\$23,660.8) | (\$22,594.9) | (\$21,233.8) |
| 2023 - 2041 NON-RESIDENTIAL FUNDING REQUIR | EMENTS | | | | | | | | | |
| - Prior Growth (Funding from DC Reserve Balanc | \$0.00 | \$0.0 | \$0.0 | \$0.0 | \$0.0 | \$0.0 | \$0.0 | \$0.0 | \$0.0 | \$0.0 |
| - Wastewater Services - Collection Systems: Non | \$7,504.0 | \$5,344.1 | \$6,351.5 | \$5,373.6 | \$530.2 | \$530.2 | \$530.2 | \$530.2 | \$530.2 | \$487.8 |
| - Wastewater Services - Collection Systems: Infla | \$7,504.0 | \$5,451.0 | \$6,608.1 | \$5,702.5 | \$573.9 | \$585.3 | \$597.0 | \$609.0 | \$621.2 | \$582.9 |
| NON-RESIDENTIAL SPACE GROWTH | | | | | | | | | | |
| - Non-Retail Growth in Square Metres | 39,366 | 43,729 | 48,092 | 52,440 | 56,863 | 61,211 | 65,574 | 69,937 | 74,285 | 67,169 |
| REVENUE | | | | | | | | | | |
| - DC Receipts: Inflated | \$1,438.4 | \$1,629.8 | \$1,828.3 | \$2,033.4 | \$2,249.0 | \$2,469.4 | \$2,698.3 | \$2,935.4 | \$3,180.3 | \$2,933.2 |
| INTEREST | | | | | | | | | | |
| - Interest on Opening Balance | (\$207.3) | (\$561.5) | (\$808.3) | (\$1,122.9) | (\$1,392.0) | (\$1.374.8) | (\$1,345.0) | (\$1,301.3) | (\$1,242.7) | (\$1,167.9) |
| - Interest on In-year Transactions | (\$166.8) | (\$105.1) | (\$131.4) | (\$100.9) | \$29.3 | \$33.0 | \$36.8 | \$40.7 | \$44.8 | \$41.1 |
| TOTAL REVENUE | \$1,064.3 | \$963.2 | \$888.5 | \$809.7 | \$886.4 | \$1,127.6 | \$1,390.1 | \$1,674.8 | \$1,982.4 | \$1,806.4 |
| CLOSING CASH BALANCE | (\$10,208.5) | (\$14,696.2) | (\$20,415.8) | (\$25,308.7) | (\$24,996.2) | (\$24,453.9) | (\$23,660.8) | (\$22,594.9) | (\$21,233.8) | (\$20,010.3) |

| WASTEWATER SERVICES - COLLECTION SYST | 2034 | 2035 | 2036 | 2037 | 2038 | 2039 | 2040 | 2041 | TOTAL |
|---|--------------|--------------|--------------|--------------|--------------|-------------|-------------|-------------|--------------|
| OPENING CASH BALANCE | (\$18,664.2) | (\$17,187.0) | (\$15,499.5) | (\$13,653.3) | (\$11,456.8) | (\$9,016.8) | (\$6,295.9) | (\$3,299.8) | |
| 2023 - 2041 NON-RESIDENTIAL FUNDING REQUIF | REMENTS | | | | | | | | |
| - Wastewater Services - Collection Systems: Non | \$487.8 | \$487.8 | \$487.8 | \$487.8 | \$487.8 | \$487.8 | \$487.8 | \$487.8 | \$32,101.6 |
| - Wastewater Services - Collection Systems: Infla | \$606.5 | \$618.6 | \$631.0 | \$643.6 | \$656.5 | \$669.6 | \$683.0 | \$696.6 | \$34,634.8 |
| NON-RESIDENTIAL SPACE GROWTH - Non-Retail Growth in Square Metres | 67,510 | 69,185 | 69,461 | 73,430 | 74,704 | 76,376 | 77,553 | 78,908 | 1,233,126 |
| REVENUE - DC Receipts: Inflated | \$3,067.1 | \$3,206.1 | \$3,283.3 | \$3,540.3 | \$3,673.8 | \$3,831.1 | \$3,967.9 | \$4,118.0 | \$39,491.5 |
| INTEREST | | | | | | | | | |
| - Interest on Opening Balance | (\$1,026.5) | (\$945.3) | (\$852.5) | (\$750.9) | (\$630.1) | (\$495.9) | (\$346.3) | (\$181.5) | (\$15,199.3) |
| - Interest on In-year Transactions | \$43.1 | \$45.3 | \$46.4 | \$50.7 | \$52.8 | \$55.3 | \$57.5 | \$59.9 | (\$51.0) |
| TOTAL REVENUE | \$2,083.7 | \$2,306.1 | \$2,477.2 | \$2,840.1 | \$3,096.4 | \$3,390.5 | \$3,679.2 | \$3,996.4 | \$24,241.1 |
| CLOSING CASH BALANCE | (\$17,187.0) | (\$15,499.5) | (\$13,653.3) | (\$11,456.8) | (\$9,016.8) | (\$6,295.9) | (\$3,299.8) | (\$0.0) | |

| 2023 Adjusted Charge Per Square Metre | \$36.54 |
|---------------------------------------|---------|
| | |

| 76.1% |
|-------|
| 7.0% |
| 16.9% |
| |
| |
| 2.0% |
| 3.5% |
| 5.5% |
| |
| |



Appendix F Reserve Fund Balances



Development Charges Reserve Fund Unallocated Balances

The DCA requires that a reserve fund be established for each service for which development charges are collected. Table F-1 presents the uncommitted reserve fund balances that are available to fund the growth-related net capital costs identified in this study. The opening balances of the development charges reserve funds are as of December 31, 2022 since the first capital year of the study is 2023.

As shown on Table F-1, the December 31, 2022 total reserve fund balance was in a positive position of \$79.24 million. The application of each of the reserve funds is discussed in the appendix section related to each service. In the services where the balance is negative, the deficit is recovered up to the limitations allowable under the legislation.

The reserve fund balance associated with the Whiskey Creek Stormwater Ponds and Downstream Conveyance Works has been combined with Former Boundary - Stormwater Drainage And Control Services reserve fund for the purposes of the development charge rate calculation as the Whiskey Creek area-specific charge as been removed as part of this study.



APPENDIX F TABLE 1

DEVELOPMENT CHARGE RESERVE FUND BALANCE BY ACCOUNT AS AT DECEMBER 31, 2022

| Service | Reserve Fund Balance |
|---|-------------------------|
| CITY-WIDE DEVELOPMENT CHARGES | |
| Library Services | \$3,169,263 |
| Protection Services | (\$3,709,723) |
| Parks And Recreation | \$31,241,495 |
| Services Related To A Highway: Public Works And Fleet | \$3,176,665 |
| Transit Services | \$1,420,104 |
| Long Term Care Services | \$100,532 |
| Ambulance Services | (\$3,071,129) |
| Waste Diversion Services | \$1,253,848 |
| Services Related To A Highway: Roads | \$123,910,438 |
| Water Services - Facilities | \$584,655 |
| Water Services - Facilities Related Debt | (\$32,016,295) |
| Wastewater Services - Facilities | \$40,703,840 |
| Wastewater Services - Facilities Related Debt | (\$47,692,059) |
| AREA-SPECIFIC: FORMER CITY OF BARRIE | |
| Stormwater Drainage And Control Services | \$3,078,345 |
| Water Services - Distribution Systems | (\$5,819,498) |
| Wastewater Services - Collection Systems | (\$3,625,232) |
| AREA-SPECIFIC: SALEM & HEWITT'S SECONDARY PLAN AREA | |
| Water Services - Distribution Systems | (\$12,871,887) |
| Wastewater Services - Collection Systems | (\$22,347,618) |
| AREA-SPECIFIC: WHISKEY CREEK ¹ | |
| Stormwater Ponds | \$957,133 |
| Downstream Conveyance Works | \$801,608 |
| TOTAL DEVELOPMENT CHARGE RESERVES | \$79,244,485 |

¹ Whiskey Creek reserve fund balances have been combined with the Area-Specific Former City of Barrie Stormwater Drainage and Control Services reserve for the purposes of this study.



Appendix G Cost of Growth – All Services Excluding Transit



Cost of Growth Analysis – All Services Excluding Transit

Asset Management Plan

The DCA requires that municipalities complete an Asset Management Plan before passing a development charges by-law. A key function of the Asset Management Plan, as required by the legislation, is to demonstrate that all assets funded under the development charges by-law are financially sustainable over their full life cycle.

Asset Types

A summary of the future municipal-owned assets and estimated useful life assumptions for eligible DC services considered as part of the study are outlined in Table G-1 and Table G-2. Although all capital assets considered in the study have been identified, not all assets necessitate future replacement or ongoing maintenance activities. The exception and the justification is as follows:

- Some of the works identified may represent one-time expenditures and may be temporary in nature. Therefore, the assets would not be required to be replaced and no ongoing operation and maintenance costs exist. Such assets are identified as "not a long-term asset" in the table.
- Some projects do not relate to the emplacement of a tangible capital asset—some examples include the acquisition of land or the undertaking of development-related studies. These projects/costs do not necessarily require future replacement or ongoing maintenance. Such projects are identified as "not infrastructure" in the table.



• For assets that have been constructed (i.e. recovery of past debenture commitments) it is assumed that the related contribution is already included within the City's annual provision (see below for additional details). As such, these projects are identified as "not applicable" in the table.

It should be noted that the capital cost estimates prepared for each of the projects identified in this section include grouped costs of various individual elements, which, as a stand-alone item, may have its own useful life. For example, new buildings include: HVAC, structural elements, roof, etc. Accordingly, the average useful life assumptions noted below are applicable to all project components.

Table G-1 – Summary of Municipal Assets Considered City-wide for General Services (Excluding Transit)

| Service | Estimated Useful Life |
|---|------------------------------|
| Library Services | |
| Buildings | 40 years |
| Materials and Equipment | 7 years |
| Protection Services | |
| Buildings | 40 years |
| Vehicles | 10-20 years |
| Equipment | 8 years |
| Parks and Recreation | |
| Parkland Development | 20 years |
| Recreation Facilities | 50 years |
| Fleet | 7-10 years |
| Services Related to a Highway: Public Works | |
| and Fleet | |
| Buildings | 40 years |
| Fleet | 7-10 years |
| Equipment | 7 years |



| Service | Estimated Useful Life |
|--------------------------|------------------------------|
| Ambulance Services | |
| Stations | 40 years |
| Fleet | 10 years |
| Waste Diversion Services | |
| Facilities and Land | 40 years |
| Vehicles and Equipment | 20 years |
| Long Term Care | |
| Buildings | 40 years |
| Waste Diversion | |
| Buildings | 40 years |
| Equipment | 10 years |

Table G-2 – Summary of Municipal Assets Considered for Engineered Services

| Service | Estimated Useful Life |
|---|------------------------------|
| Services Related to a Highway: Roads | |
| Roads | 60 years |
| Intersection Improvement | 60 years |
| Sidewalks | 50 years |
| Cycling Facilities | 35 years |
| Multi-Use Facilities | 20 years |
| Bus Stops | 15 years |
| Wastewater | |
| Debentures | 0 years |
| Peak Attenuation System | 10 years |
| Primary Digester | 50 years |
| Biosolids Thickening System | 45 years |
| Treatment Facility | 40 years |
| Primary Clarifiers | 50 years |
| Collection System (Linear Infrastructure) | 80 years |



| Service | Estimated Useful Life |
|-----------------------|------------------------------|
| Water | |
| Water System Upgrades | 50 years |
| Watermains | 50 years |
| Wells | 50 years |
| Buildings | 50 years |
| Pumps | 20 years |
| Distribution | 60 years |
| Stormwater | |
| Stormwater Pipes | 50 years |
| Buildings | 50 years |
| Ponds | 60 years |

Annual Provision

When assets require rehabilitation or are due for replacement, the source of funds is limited to reserves or contributions from operating. Capital expenditures to carry out the rehabilitation and replacement of aging infrastructure are not growth-related and are therefore not eligible for funding through development charge revenues or other developer contributions.

Based on the information obtained from City's current Asset Management Plans and city staff regarding useful life assumptions and the capital cost of acquiring and/or emplacing each asset, a provision for infrastructure replacement has been calculated for both the general and engineered services, excluding transit related infrastructure. Provisions for infrastructure replacement are initially calculated for each asset based on their useful life and the anticipated cost of replacement. The aggregate of all individual provisions form the required annual capital provision. In calculating the annual provisions, a number of assumptions are made to account for inflation (2.0 per cent) and interest (3.5 per cent).



Consistent with the requirements of the DCA, assets that are proposed to be funded under the development charges by-law have been included in the analysis. As a result, the total calculated annual provision for development charge related infrastructure has been netted down to consider the replacement of existing infrastructure or benefit-to-existing development. However, for reference, the annual replacement provisions associated with the non-development charge funded costs, including costs related to the benefit-to-existing and post-period benefit have also been calculated.

Table G-3 and G-4 provides the calculated annual asset management contribution for both the gross capital expenditures and the share related to the 2023-2032 and 2023-2041 DC recoverable portion. The year 2033 and 2042 have been included to calculate the annual contribution for the 2023-2032 and 2023-2041 periods as the expenditures in 2032 and 2041 will not trigger asset management contributions until 2033 and 2042, respectively. As shown in Table G-3, by 2033, the City will need to fund an additional \$5.90 million per annum in order to properly fund the full life cycle costs of the new assets related to the general services supported under the development charges by-law.

Table G-4 provides a separate analysis of the annual provisions required for the engineered services capital program as the program extends to 2041. As shown in Table G-4, the annual provision in 2042 amounts to \$18.24 million.

Table G-3 – Calculated Annual Provision by 2033 for General Services

| | 2023 | 3 - 2032 | Calculated AMP Annual Provision by 2033 | | |
|---|---------------------|--------------------|---|------------------|--|
| Service | Capita | l Program | | | |
| | DC Related | Non-DC Related* | DC Related | Non-DC Related* | |
| | # 04.007.000 | #10.010.010 | A1 005 770 | \$005.000 | |
| Library Services | \$24,837,990 | \$18,012,010 | \$1,095,778 | \$205,829 | |
| Protection Services | \$47,454,402 | \$24,220,921 | \$1,256,719 | \$287,391 | |
| Parks And Recreation | \$254,253,838 | \$181,478,776 | \$2,266,162 | \$3,645,187 | |
| Services Related To A Highway: Public Works And Fleet | \$46,188,926 | \$82,436,074 | \$878,437 | \$1,210,569 | |
| Ambulance Services | \$7,043,806 | \$27,792,106 | \$89,748 | \$851,924 | |
| Long Term Care Services | \$2,447,924 | \$83,835,755 | \$27,973 | \$958,018 | |
| Waste Diversion Services | \$22,180,152 | \$1,253,848 | \$284,244 | \$14,328 | |
| TOTAL | \$404,407,038 | \$419,029,490 | \$5,899,061 | \$7,173,247 | |

^{*} Includes costs that will be recovered under future development charges studies (i.e. other development-related).



Table G-4 – Calculated Annual Provision for 2042 for Engineered Services

| | 2023 | 3 - 2041 | Calculated AMP Annual Provision by 2042 | | |
|--|-----------------|-----------------|--|-----------------|--|
| Service | Capita | I Program | | | |
| | DC Related | Non-DC Related* | DC Related | Non-DC Related* | |
| | | | | | |
| City-Wide Services | | | | | |
| Services Related To A Highway: Roads | \$2,280,792,431 | \$1,721,081,963 | \$12,564,298 | \$9,692,010 | |
| Water Services - Facilities | \$11,259,995 | \$2,253,112 | \$83,049 | \$16,618 | |
| Wastewater Services - Facilities | \$368,245,971 | \$156,309,969 | \$3,015,870 | \$3,438,697 | |
| Former City of Barrie | | | | | |
| Stormwater Drainage And Control Services | \$109,992,704 | \$345,306,001 | \$573,758 | \$1,694,598 | |
| Water Services - Distribution Systems | \$35,951,230 | \$11,758,110 | \$178,416 | \$57,809 | |
| Wastewater Services - Collection Systems | \$130,711,650 | \$28,518,400 | \$299,524 | \$65,713 | |
| Salem & Hewitt's Seconday Plan Areas | | | | | |
| Water Services - Distribution Systems | \$226,371,932 | \$0 | \$1,112,346 | \$0 | |
| Wastewater Services - Collection Systems | \$190,348,417 | \$0 | \$413,292 | \$0 | |
| TOTAL | \$3,353,674,331 | \$2,265,227,555 | \$18,240,552 | \$14,965,446 | |

^{*} Includes costs that will be recovered under future development charges studies (i.e. other development-related).

Financial Sustainability of the Program

Future Revenue Growth

The calculated annual funding provision should be considered within the context of the City's projected growth. Over the next ten years (to 2032) the City is projected to increase by approximately 25,000 households. In addition, the City will also add nearly 18,460 new employees that will result in approximately 1.36 million square metres of additional non-residential building space.

By 2041, there will be an increase of nearly 42,500 new households. In addition, the City will also add nearly 41,540 new employees that will result in approximately 2.97 million square metres of additional non-residential building space. This growth will have the effect of increasing the overall assessment base and additional user fee and charges revenues to offset the capital asset provisions required to replace the infrastructure proposed to be funded under the development charges by-law. The collection of these



funds is intended to be allocated to the City's reserves for the future replacement of these assets.

Long-Term Capital and Operating Impact Analysis

As shown in Table G-5, by 2032, the City's net operating costs are estimated to increase by \$24.04 million for property tax supported services. Increases in net operating costs will be experienced as new facilities such as community centres are opened. Table G-6 shows that by 2041, the City's net operating costs for engineered services will increase by \$6.82 million. Operating and maintenance costs will also increase as additions to the City's road network are made.

Table G-7 summarizes the components of the development-related capital forecast that will require funding from non-DC sources. In total, \$1.13 billion will need to be financed from non-DC sources over the 2023-2032 and 2023-2041 planning period. In addition, \$1.25 billion in interim DC financing related to post-period shares of projects may be required or these costs may be recovered from other growth funding tools.

The share of the development-related capital forecast requiring funding from non-DC sources of \$1.13 billion is related to replacement of existing City facilities with newer and larger facilities that will benefit the existing community. Council is made aware of these factors so that they understand the operating and capital costs that will not be covered by DCs as it adopts the development-related capital forecast set out in the study.

The Program is Deemed Financially Sustainable

In summary, the asset management plan and long-term capital and operating analysis included in this appendix demonstrates that the City can afford to invest and operate the identified general and engineered services infrastructure over the 10-year and long-term planning period.



In addition, as part of the annual budget update the City also contributes to asset replacement reserves and spends on yearly asset replacement needs as needed.

Through this annual exercise, staff identify the required funding and propose mitigating measures in order to ensure there are sufficient funds in reserves over the long term. Life-cycle funding methodologies are also reviewed in order to ensure that the City is continuing to implement financially sustainable practices for funding the eventual replacement of assets.

The calculated annual provisions identified are considered to be financially sustainable as it is expected that the increased capital asset management requirements can be absorbed by the tax and user base over the long-term.



TABLE G-5

CITY OF BARRIE

COST OF GROWTH ANALYSIS ALL SERVICES EXCLUDING TRANSIT ESTIMATED NET OPERATING COST OF THE PROPOSED 2023-2032 DEVELOPMENT-RELATED CAPITAL PROGRAM

(in constant 2023 dollars)

| Ottomore | Cost Driver | | | Additional | Source and Commentary (1) | | |
|---|-------------|-------------------------------|-------------|----------------------------|--|--|--|
| Category | \$ | unit meaure | Quantity | Operating Costs at 2032 | | | |
| Library Services | | | | \$4,944,077 | | | |
| - Buildings, Land and Furnishings | \$110 | per sq.ft. of new | 45,000 | \$4,944,077 | Based on 2021 FIR and 2023 Capital Program | | |
| | | library space | | | | | |
| Protection Services | | | | \$2,900,000 | | | |
| - Buildings, Land and Furnishings | \$100 | per sq.ft. of new | 29,000 | \$2,900,000 | Based on operating assumptions in comparable municipalities and 2023 Capital Program | | |
| | | fire and police station space | | | | | |
| Parks And Recreation | | | | \$11,281,579 | | | |
| - Buildings, Land & Furnishings | \$23 | per sq.ft. of new | 383,100 | \$8,935,499 | Based on 2021 FIR and 2023 Capital Program | | |
| | | recreation space | | | | | |
| - Park Development and Facilities | \$22.00 | per \$1,000 of total | \$ 106,640 | \$2,346,080 | Based on 2021 FIR and 2023 Capital Program | | |
| | | infrastructure value | | | | | |
| Services Related To A Highway: Public Works And Fleet | | | | \$2,566,800 | | | |
| - Buildings, Land and Fleet | \$20 | per \$1,000 of total | \$ 128,340 | \$2,566,800 | Based on operating assumptions in comparable municipalities and 2023 Capital Program | | |
| | | infrastructure value | | | | | |
| Waste Diversion Services | | | | \$2,345,607 | | | |
| | \$94 | per household | \$ 25,008.0 | \$2,345,607 | Based on 2021 FIR and 2023 Capital Program | | |
| | | infrastructure value | | | | | |
| TOTAL ESTIMATED OPERATING COSTS | | | | \$24,038,063 | | | |



TABLE G-6

CITY OF BARRIE

COST OF GROWTH ANALYSIS ALL SERVICES EXCLUDING TRANSIT ESTIMATED NET OPERATING COST OF THE PROPOSED 2023-2041 DEVELOPMENT-RELATED CAPITAL PROGRAM

(in constant 2023 dollars)

| Category | Cost Driver (in 2023 \$) | | Additional Operating Costs | Source and Commentary (Note 1) | |
|--|-----------------------------|---------------|-------------------------------|--------------------------------|--|
| | \$ | unit meaure | Quantity | at 2041 | |
| Services Related To A Highway: Roads | | | | \$6,815,164 | |
| - Development-Related Roads Infrastructure | \$160 | per household | 42,505 | \$6,815,164 | Based on 2021 FIR and 2023 Capital Program |
| | | | | | |
| TOTAL ESTIMATED OPERATING COSTS | | | | \$6,815,164 | |



TABLE G-7

CITY OF BARRIE SUMMARY OF UNADJUSTED RESIDENTIAL AND NON-RESIDENTIAL DEVELOPMENT CHARGES

| | Development-Related Capital Program (2023 - 2032) | | | | | |
|---|---|--|-------------------------------------|------------------------------------|--|--|
| General Services | Net Municipal Cost (\$000) | Replacement & Benefit to Existing (\$000) | Available DC Reserves (\$000) | Post-Period Benefit* (\$000) | Total DC Eligible Costs for Recovery (\$000) | |
| 1 LIBRARY SERVICES | \$42,850.0 | \$1,350.0 | \$3,169.3 | \$13,492.7 | \$24,838.0 | |
| 2 PROTECTION SERVICES | \$71,675.3 | \$24,220.9 | \$0.0 | \$0.0 | \$47,454.4 | |
| 3 PARKS AND RECREATION | \$435,732.6 | \$33,897.4 | \$31,241.5 | \$116,339.9 | \$254,253.8 | |
| 4 SERVICES RELATED TO A HIGHWAY: PUBLIC WORKS AND FLEET | \$128,625.0 | \$49,245.8 | \$3,176.7 | \$30,013.6 | \$46,188.9 | |
| 5 LONG TERM CARE SERVICES | \$8,466.1 | \$5,917.6 | \$100.5 | \$0.0 | \$2,447.9 | |
| 6 AMBULANCE SERVICES | \$18,370.5 | \$4,216.7 | \$0.0 | \$7,109.9 | \$7,043.8 | |
| 7 WASTE DIVERSION SERVICES | \$23,434.0 | \$0.0 | \$1,253.8 | \$0.0 | \$22,180.2 | |
| TOTAL GENERAL SERVICES | \$729,153.5 | \$118,848.5 | \$38,941.8 | \$166,956.2 | \$404,407.0 | |

^{*}Development related costs to be considered for funding from other tools and/or future DC Studies.

| Engineered Services | | Development-Related Capital Program (2023 - 2041) | | | | | | |
|--|-------------------------------------|--|-------------------------------------|------------------------------------|--|--|--|--|
| | Net Municipal Cost (\$000) | Replacement & Benefit to Existing (\$000) | Available DC Reserves (\$000) | Post-Period Benefit* (\$000) | Total DC Eligible Costs for Recovery (\$000) | | | |
| CITY-WIDE SERVICES | | | | | | | | |
| 1 SERVICES RELATED TO A HIGHWAY: ROADS | \$4,001,874.4 | \$534,464.2 | \$123,910.4 | \$1,062,707.3 | \$2,280,792.4 | | | |
| 2 WATER SERVICES - FACILITIES | \$13,513.1 | \$1,668.5 | \$584.7 | \$0.0 | \$11,260.0 | | | |
| 3 WATER SERVICES - FACILITIES RELATED DEBT | \$151,602.3 | \$0.0 | \$0.0 | \$0.0 | \$151,602.3 | | | |
| 4 WASTEWATER SERVICES - FACILITIES | \$524,555.9 | \$93,056.4 | \$40,703.8 | \$22,549.7 | \$368,246.0 | | | |
| 5 WASTEWATER SERVICES - FACILITIES RELATED DEBT | \$108,531.3 | \$0.0 | \$0.0 | \$0.0 | \$108,531.3 | | | |
| TOTAL CITY-WIDE SERVICES | \$4,800,077.0 | \$629,189.1 | \$165,198.9 | \$1,085,257.0 | \$2,920,432.0 | | | |
| FORMER CITY OF BARRIE | | | | | | | | |
| 1 STORMWATER DRAINAGE AND CONTROL SERVICES | \$455,298.7 | \$340,468.9 | \$4,837.1 | \$0.0 | \$109,992.7 | | | |
| 2 WATER SERVICES - DISTRIBUTION SYSTEMS | \$47,709.3 | \$11,758.1 | \$0.0 | \$0.0 | \$35,951.2 | | | |
| 3 WASTEWATER SERVICES - COLLECTION SYSTEMS | \$159,230.1 | \$28,518.4 | \$0.0 | \$0.0 | \$130,711.7 | | | |
| TOTAL FORMER CITY OF BARRIE | \$662,238.1 | \$380,745.4 | \$4,837.1 | \$0.0 | \$276,655.6 | | | |
| SALEM & HEWITT'S SECONDARY PLAN AREAS | | | | | | | | |
| 1 WATER SERVICES - DISTRIBUTION SYSTEMS | \$226,371.9 | \$0.0 | \$0.0 | \$0.0 | \$226,371.9 | | | |
| 2 WASTEWATER SERVICES - COLLECTION SYSTEMS | \$190,348.4 | \$0.0 | \$0.0 | \$0.0 | \$190,348.4 | | | |
| TOTAL SALEM & HEWITT'S SECONDARY PLAN AREAS | \$416,720.3 | \$0.0 | \$0.0 | \$0.0 | \$416,720.3 | | | |
| TOTAL ENGINEERED SERVICES | \$5,879,035.5 | \$1,009,934.5 | \$170,036.0 | \$1,085,257.0 | \$3,613,807.9 | | | |
| *Development related costs to be considered for funding from other too | ls and/or future DC Studie: | S | | | | | | |
| TOTAL GENERAL AND ENGINEERED SERVICES | \$6,608,188.9 | \$1,128,783.0 | \$208,977.8 | \$1,252,213.2 | \$4,018,215.0 | | | |



Appendix H Local Service Guidelines



Local Service Guidelines

The following guidelines set out in general terms the size and nature of engineered infrastructure that is included in the City of Barrie Development Charge Study or projects which are considered to be a local developer responsibility. Projects eligible to be funded in part by development charges include the following criteria:

- The project will be required to be listed in the most current City of Barrie Development Charges Study.
- If any infrastructure that does not add any additional capacity over and above the capacity requirement for that development, are assumed to be the sole responsibility of the developer.
- Infrastructure that provides servicing or capacity for more than one development is not necessarily fully or partially funded from development charges. If a project is considered fully or partially local in nature, the City will require the benefiting land owners to fund the works directly.

The following policy guidelines are general principles by which staff will be guided in considering development applications. Each application will be considered on its own merits having regard to, among other factors, the nature, type and location of the development in any existing or proposed development in its surrounding area. These policy guidelines, the location and type of services required and their relationship to the proposed development and to existing and proposed development in the area, and subsection 59(2) of the *Development Charges Act, 1997*, will also be assessed.



These local service policy guidelines are subject to review and amendment by the City which may be independent of an amendment or update to the City's development charge by-laws.

The detailed engineering requirements for all work and/or development are governed by the City of Barrie Official Plan, or if not specified in the Official Plan, by the approved detailed engineering standards and/or related master plans.

The provision of local services is considered to be a direct developer responsibility under s.59 of the *DCA* and will (or may) be recovered under other agreement(s) with the land owner or developer. The issue of "local services" is being specifically considered for the services outlined in the following sections.



1. Definitions

Arterial Road - As defined in the City of Barrie Official Plan as amended.

AT – Active Transportation

BPS - Booster Pump Station

BTE - Benefit to Existing development

Collector Road - As defined in the City of Barrie Official Plan and includes both minor and major collectors.

Community Park – Community level parks providing facilities for both organized and non-organized sports as well as active and passive recreation activities. Access is focused on Automobile, Cycling and Pedestrian movement.

DCs – Development Charges.

DCA - Development Charges Act, 1997, S.O. 1997, c.27, as amended.

Direct Access – new or upgraded infrastructure required to provide access from the external Road or active transportation network to the area of a Development.

District Park – Generally associated with Facilities, these parks serve multiple neighbourhood communities with a focus on structured sports while providing both active and passive recreation opportunities. Facilities are generally focused on access via public transit, automobiles and cycling.

Former Barrie Municipal Boundary (Former Barrie) – land within Barrie outside of the Salem and Hewitt's Secondary Plan Areas.



Hazel in LSRCA – refers to Ontario Regulation 179/06 lake Simcoe Region Conservation Authority: Regulation of Development, Interference with Wetlands and Alteration to Shorelines and Watercourses: 11 (1). The applicable flood event standards used to determine the maximum susceptibility to flooding of lands or areas within the watersheds in the area of jurisdiction of the Authority are the Hurricane Hazel Flood Event Standard, the Timmins Flood Event Standard, the 100 year Flood Event Standard and the 100 year flood level plus wave uprush, described in Schedule 1. O. Reg. 179/06, s. 11 (1).

Highway – includes a common and public highway, street, avenue, parkway, driveway, square, place, bridge, viaduct or trestle, any part of which is intended for or used by the general public for the passage of vehicles and includes the area between the lateral property lines thereof.

HOV – High Occupancy Vehicles

Lanes – As defined in the City of Barrie Official plan

LID – Low Impact Development (L.I.D.) is a stormwater management approach that manages rainfall at the source using uniformly distributed decentralized micro-scale controls. LID's goal is to mimic a site's predevelopment hydrology by using design techniques that infiltrate, filter, store, evaporate, and detain runoff close to its source.

Local Benefit – infrastructure to be paid for by the developer. Direct developer responsibility under s.59 of DCA (as a local service).

Local Road – As defined in the City of Barrie Official Plan as amended.

LSRCA – Lake Simcoe Region Conservation Authority.

Natural Heritage System (NHS) – A system made up of natural heritage features and areas, and linkages intended to provide connectivity and support natural processes which are necessary to maintain biological and



geological diversity, natural functions, viable populations of indigenous species and ecosystems. Also referred to as Open Space and Environmentally Protected Lands in the City's zoning bylaw.

Neighbourhood Park - Serves as a neighbourhood focal point with a primary focus on children and youth as well as providing additional opportunities for residents within walking distance of the park (800m).

NVCA – Nottawasaga Valley Conservation Authority.

OP – Official Plan.

Pathways – Pedestrian circulation within a Park Block which provide for internal circulation and access. Pathways are generally 3.0m in width and are paved.

Regional Park - Recreation areas which serve passive and active recreation activities that serve a level of interest greater than the local community.

Regulatory Storm – the greater of the regional (Hazel in LSRCA and Timmins in NVCA) or 100 year storm.

Roadways – Sidewalks and multi-use pathways within the road network.

ROW – Right-of-Way.

SWMF - Stormwater Management Facility.

TDM – Travel Demand Management.

Timmins in NVCA – refers to Ontario Regulation 172/06 Nottawasaga Valley Conservation Authority: Regulation of Development Interference with Wetlands and Alterations to Shorelines and Watercourses Section 11 – Flood event standards 11. The applicable flood event standards used to determine the maximum susceptibility to flooding of lands or areas within the watersheds in the area of jurisdiction of the Authority are Timmins Storm



Flood Event Standards, the 100 Year Flood Event Standard and the 100-year flood level plus wave uprush, described in Schedule 1.0. Reg. 172/06, s.11.

TMP – 2019 Transportation Master Plan, or the most current TMP update

Trails – Pedestrian circulation within an Open Space or Environmentally Protected designation which can vary in surface material and width. Trails may also link one or more park block designations with a common linkage that can form part of the internal park circulation such as the water front trails. In this case a pathway can be part of a larger trail network. The following are the Trail Hierarchy Classifications based on the recommendations of the 2019 Transportation Master Plan:

- Type 1 Trail / Waterfront Multi-Use The general function of this trail system is for recreation, leisure and active transportation including commuting functions by providing access to and along the public waterfront. The ease of use rating is 'Easy' with a very high anticipated level of use on weekends and during peak tourist seasons, celebrations and events.
- Type 2 Trail / Multi-Use Trail The general function of this trail system is for recreation, leisure and active transportation including commuting functions, providing access to key destinations such as community centres, parks, key commercial areas, schools etc. Includes loops in neighbourhood parks and access to park facilities/features. The ease of use rating is 'Easy' with a high anticipated level of use.
- Type 3 Trail / Recreational Trail Primarily used for recreation and leisure where active transportation is not a key function but connections to active transportation routes may be facilitated. Generally located in lands designated as Open Space or Environmentally Protected with an ease of use rating ranging from 'Easy' to 'Moderate' including an anticipated level of use rating of 'Moderate'.



- Type 4 Trail / Natural Trail Intended to provide recreation and leisure opportunities to escape the urban environment and experience natural settings within non-programed open space and environmentally protected lands. These trail systems have a general ease of use rating of 'Moderate' to 'Hard' with low to moderate anticipated levels of use.
- Type 5 Trail / Stormwater Management Facility (SWMF) Where feasible SWMFs will be unfenced and serve as key connection points to existing and proposed trail networks. Ease of use rating is 'Moderate' with low to moderate anticipated levels of use.

Village Square – Located within walking distance of residents and provide a social gathering place within neighborhoods. Often these types of facilities provide shade, playgrounds and small urban plazas.



2. Transportation

A highway and services related to a highway are intended for the transportation of people and goods via many different modes including, but not limited to, passenger automobiles, commercial vehicles, transit vehicles, cycling, and walking.

A highway shall consist of all land, services, and infrastructure built to support this movement of people and goods regardless of mode of transportation. As the City continues to grow, it will experience higher-density mixed uses in more compact built form in green field areas and within intensification nodes and corridors in existing settlement areas. This new consideration is supported by highways that accommodate and promote walking, cycling and transit use over auto use and has been identified by the City's TMP and OP.

The overall vision is to create a City which is highly walkable and in which it is easy and convenient to walk, cycle or take transit. The TMP has set targets to reduce trips made by single occupant vehicles; increase trips made by transit; and increase active transportation trips, including cycling and walking.

A. Roads Former Barrie

The costs of the following road items shall be direct developer responsibilities as a local service provision under s. 59 of the DCA in Former Barrie:

 All roads within the City of Barrie not identified as arterial or collector roads in the City of Barrie OP and not included in the DC, inclusive of all land and associated infrastructure related to or within the area needed to



support development or required to link with the area to which the development plan relates is a local service.

 Where roadway improvements (or new construction) are required on arterial or collector roads to support a specific development or required to link the development area with the existing road network, these road improvements are a local service.

The costs of the following road items shall be paid through development charges in Former Barrie:

- New arterial or collector roads external to a Development, not required to provide direct access and which are included in the current DC Study.
 - Upgrades to existing arterial or collector roads external to a
 Development that are not required to provide direct access.
 - Foreseeable intersection improvements, traffic signals and traffic control systems on existing roads that are not required to provide direct access.

B. Roads: Salem and Hewitt's Secondary Planning Areas

The costs of the following road items shall be direct developer responsibilities as a local service provision under s. 59 of the DCA in the Salem and Hewitt's Secondary Planning Areas:

- All roads, other than those designated as arterial roads within the City of Barrie OP, inclusive of all land and associated infrastructure related to or within the area needed to support development or required to link with the area to which the development plan relates is a local service.
- Where roadway improvements are required on arterial roadways to support a specific development or required to link the development area with the existing community, these road improvements are a local service.



The costs of the following road items shall be paid through development charges in the Salem and Hewitt's Secondary Planning Areas:

- New Arterial Roads.
- New Arterial Roads external to a Development, not required to provide
 Direct Access and which are included in the current DC Study.
- Upgrades to existing Arterial Roads external to a Development that are not required to provide Direct Access.
- Foreseeable intersection improvements, traffic signals and traffic control systems on existing Roads that are not required to provide Direct Access.

C. Traffic Control Systems and Intersection Improvements

The costs of the following traffic control systems and intersection improvements shall be direct developer responsibilities as a local service provision under s. 59 of the DCA in both Former Barrie and the Salem and Hewitt's Secondary Planning Areas:

- Intersection improvements to and/or signalization of all roads, private entrances or entrances necessitated by development on any local, collector or arterial road is considered local benefit.
- New or upgraded traffic control systems intended to service a development are considered to be a local benefit.

The costs of the following traffic control systems and intersection improvements infrastructure shall be paid through DCs in both Former Barrie and the Salem and Hewitt's Secondary Planning Areas:

 Foreseeable traffic control systems and intersection improvements on existing or proposed roads, outside of the proposed development, that



are not required to provide Direct Access and which are included in the current DC Study.

D. Streetlights

The costs of the following streetlight items shall be direct developer responsibilities as a local service provision under s. 59 of the DCA in both Former Barrie and the Salem and Hewitt's Secondary Planning Areas:

- Streetlights needed along any roads within or adjacent a specific development not included in the DC Study are considered to be a local benefit.
- Streetlights at any intersections necessitated by a specific development are considered to be a local benefit.

The costs of the following streetlight infrastructure shall be paid through DC in both Former Barrie and the Salem and Hewitt's Secondary Planning Areas:

 Foreseeable streetlights on existing or proposed roads, outside of the proposed development and which are included in the current DC Study.

E. Cycling

The costs of the following cycling infrastructure items shall be direct developer responsibilities as a local service provision under s. 59 of the DCA in both Former Barrie and the Salem and Hewitt's Secondary Planning Areas:

 Bike paths/lanes within a specific development are considered to be a local benefit.



- Bike paths/lanes external to a development and not included in the D.C., which are necessary to connect the development to public spaces and/or other bike infrastructure, are considered to be a local benefit.
- Temporary bike paths/lanes within or external to a specific development necessitated by proposed development are considered to be a local benefit.

The costs of the following cycling infrastructure shall be paid through development charges in both Former Barrie and the Salem and Hewitt's Secondary Planning Areas:

 Foreseeable cycling infrastructure on existing or proposed roads, outside of the proposed development and which are included in the current DC Study.

F. Sidewalks

The costs of the following sidewalk infrastructure items shall be direct developer responsibilities as a local service provision under s. 59 of the D.C.A. in both Former Barrie and the Salem and Hewitt's Secondary Planning Areas:

- Sidewalks on all road internal to the development are considered to be a local benefit.
- Sidewalks on all roads external to a development necessitated by proposed development is considered to be a local benefit.
- Temporary sidewalks within or external to a specific development necessitated by proposed developed are considered to be a local benefit.

The costs of the following sidewalk infrastructure shall be paid through development charges in both Former Barrie and the Salem and Hewitt's Secondary Planning Areas:



 Foreseeable sidewalk infrastructure on existing or proposed roads, outside of the proposed development and which are included in the current DC Study.

G. Transportation Demand Management

The costs of the following transportation demand management infrastructure items shall be direct developer responsibilities as a local service provision under s. 59 of the DCA in both Former Barrie and the Salem and Hewitt's Secondary Planning Areas:

Bike share expansions within existing service areas and in new service areas; cycling amenities including bike racks, lockers, shelters and fix-it stations; pedestrian amenities (e.g. benches); and sustainable mobility programs (e.g. Smart Commute, TDM for higher density developments) necessitated by proposed development and not included in the DC are considered to be a local benefit.

The costs of the following transportation demand management infrastructure shall be paid through development charges in both Former Barrie and the Salem and Hewitt's Secondary Planning Areas:

 Foreseeable transportation demand management infrastructure on existing or proposed roads, outside of the proposed development and which are included in the current DC Study.

H. Noise Abatement Measures

The costs of the following noise abatement measure infrastructure items shall be direct developer responsibilities as a local service provision under s. 59 of the DCA in both Former Barrie and the Salem and Hewitt's Secondary Planning Areas:



Noise abatement measures required to mitigate noise impacts from existing or future local, collector, arterial roads, Hwy 400 or the railway either external or internal to development not in the current DCs where it is a requirement of, or within the area needed to support the development are considered local benefit.

The costs of the following noise abatement measure infrastructure shall be paid through development charges in both Former Barrie and the Salem and Hewitt's Secondary Planning Areas:

 Foreseeable noise abatement measure infrastructure on existing or proposed roads, outside of the proposed development and which are included in the current DC Study.

I. Transit Infrastructure

The costs of the following transit infrastructure items shall be direct developer responsibilities as a local service provision under s. 59 of the DCA in both Former Barrie and the Salem and Hewitt's Secondary Planning Areas:

• Transit node, transit priority measures (e.g., queue jump lanes transit signal priority) bus bays, accessible amenities (including bus pads and shelters with interior heating/benches/next bus electronic signs) and any other bus service stop infrastructure located within local, collector or arterial road corridors, and including transit stations or terminals necessitated by proposed development and not included in the current DC are considered to be local benefit.

The costs of the following transit infrastructure shall be paid through development charges in both Former Barrie and the Salem and Hewitt's Secondary Planning Areas:



 Foreseeable transit infrastructure on existing or proposed roads, outside of the proposed development and which are included in the current DC Study.

J. Transportation Studies

The costs of the following Transportation Studies shall be direct developer responsibilities as a local service provision under s. 59 of the D.C.A. in both Former Barrie and the Salem and Hewitt's Secondary Planning Areas:

 Transportation Studies (including traffic impact studies) undertaken for a specific development are considered to be local benefit.

K. Land Acquisition

The costs of the following land acquisition shall be direct developer responsibilities as a local service provision under s. 59 of the D.C.A. in both Former Barrie and the Salem and Hewitt's Secondary Planning Areas:

- Land Acquisition to widen existing roads or proposed roads (as identified in the OP or the TMP, updated from time to time) shall be secured as a required dedication as part of development approval.
- Land acquisition within or adjacent to the proposed development beyond dedication requirements to achieve transportation corridors as services related to highways including intersection improvements, grade separation infrastructure for the movement of pedestrians, alignment shifts, cyclists, public transit and/or railway shall be a direct developer responsibility.
- Where land acquisition is required in excess of the ROW as identified in the OP, to accommodate external utilities including, but not limited to,



cable, gas, hydro, and telephone, are deemed a local benefit and shall be a direct developer responsibility.

The costs of the following land acquisition shall be paid through DCs in both Former Barrie and the Salem and Hewitt's Secondary Planning Areas:

 Foreseeable land acquisition on existing or proposed roads, outside of the proposed development and which are included in the current DC Study.

L. Traffic Calming

The costs of the following traffic calming infrastructure shall be direct developer responsibilities as a local service provision under s. 59 of the DCA in both Former Barrie and the Salem and Hewitt's Secondary Planning Areas:

 Traffic calming measures required to mitigate impacts from proposed development either external or internal to development not in the current DCs needed to support the development are considered to be a local benefit.

The costs of the following traffic calming infrastructure shall be paid through development charges in both Former Barrie and the Salem and Hewitt's Secondary Planning Areas:

 Foreseeable traffic calming infrastructure on existing or proposed roads, outside of the proposed development and which are included in the current DC Study.



3. Stormwater Drainage Systems

Stormwater minor drainage systems are designed to accommodate drainage to avoid property damage and flooding as well as to minimize impacts from 1 in 5-year rainfall events. Minor systems are typically comprised of underground piping, manholes, catch basins, LID and outfall structures in addition to a rural type drainage system consisting of ditches and culverts.

Stormwater major drainage systems are designed and implemented for flood control to avoid loss of life, injuries, and significant damage to property from events greater than 1 in 5-year return producing unusual high intensity rainfall and/or large volume run-off.

Major systems can be large diameter underground piping, open channels, road overland flow route, stormwater facilities, natural streams, or any combination thereof, capable of conveying run-off, from events up to and including a regulatory storm, to the ultimate receiving stream or water body.

The costs of the following minor and major drainage systems shall be direct developer responsibilities as a local service provision under s. 59 of the DCA in both Former Barrie and the Salem and Hewitt's Secondary Planning Areas:

- Minor drainage systems internal or external to a proposed development, needed to support development to safety convey these flows to a suitable outlet, is considered to be a local benefit.
- Major drainage infrastructure internal or external to a proposed development, needed to support development to safety convey these flows to a suitable outlet, not included in the current DC is considered to be a local benefit.



- Major drainage infrastructure in the current DC that needs to be upsized due to changes in upstream catchment area to support the proposed development is considered to be a local benefit.
- The construction of temporary drainage infrastructure is considered to be a local benefit
- Installation of private drain connections or private systems is considered to be a local benefit.
- Stormwater facilities for quality, volume and/or quantity management, including downstream erosion works, inclusive of land and all associated infrastructure, such as storm water facility planting and appurtenances, maintenance access roads/trails and perimeter fencing is considered to be a local benefit.
- Land to oversize proposed stormwater management facilities to accommodate runoff from new, widened, extended or upgraded municipal local, collector or arterial roads is considered to be a local benefit.
- Erosion works, inclusive of all restoration requirements, related to a proposed development is considered to be a local benefit.
- Monitoring works related to a proposed development is considered to be a local benefit.
- LID features such as infiltration galleries, bioswales, stormceptors, oil and grit separators, rain gardens and permeable pavements related to a proposed development is considered to be a local benefit.
- Any watercourse realignment and/or enclosures within its development limits is considered to be a local benefit.



- Conveyance of upstream existing external flows through a development is considered to be a local benefit.
- Drainage Studies undertaken for a specific development are considered to be a local benefit.
- Watercourses enclosed by a development which needs to be upsized to accommodate increased runoff from upstream development is considered to be a local benefit.

The costs of the following minor and major drainage infrastructure shall be paid through development charges in both Former Barrie and the Salem and Hewitt's Secondary Planning Areas:

- Foreseeable minor and major drainage infrastructure on existing or proposed roads or as a standalone drainage project, outside of the proposed development, which are included in the current DC Study. For greater certainty, direct connects to a development are considered a local service.
- Watercourse works to accommodate runoff external to the development which included in the current DC Study.
- Updates to the City-Wide Master Drainage Plan or related studies.
- Oversizing costs of minor or major drainage infrastructure proposed by a development and included in the current DCs.

The costs of minor drainage system and stormwater quality control infrastructure associated with arterial transportation improvements (within project limits) in the Hewitt's and Salem and Hewitt's Secondary Planning Areas have been included in the road costs and shall be paid through DCs.



4. Water and Wastewater

A. Water Distribution Systems

Water distribution system infrastructure includes local watermains, transmission watermains, booster pump stations, valves, fire hydrants, chambers, PRVs, water reservoirs and other related accessories.

The costs of the following water distribution system infrastructure shall be direct developer responsibilities as a local service provision under s. 59 of the DCA in both Former Barrie and the Salem and Hewitt's Secondary Planning Areas:

- All required local water infrastructure internal to a development less than
 400mm in size is considered to be a local benefit.
- All water infrastructure external to the development, less than 400mm in size, required to provide system security and redundancy is considered to be a local benefit.
- All service connections within a development and connections from external municipal watermains to a development are considered to be a local benefit.
- If external services are required by two or more developments, the developer for the first development will be responsible for the cost of the external services and may enter into front-ending/cost-sharing agreements with other developers independent of the City of Barrie.
- Temporary watermains, water booster pumping stations and/or reservoir required to service a development are considered to be a local benefit.
- Water Distribution Studies undertaken for a specific development are considered to be local benefit.



The costs of the following water distribution infrastructure shall be paid through DCs in both Former Barrie and the Salem and Hewitt's Secondary Planning Areas:

- Transmission watermains 400mm and greater which are included in the current DCs.
- Water reservoirs, BPS and water infrastructure not required for a specific development and which are included in the current DCs.
- Updates to the Water Distribution and Storage Master Plan or related studies.

B. Wastewater Collection Systems

Wastewater collection system infrastructure includes local wastewater sewers, trunk wastewater sewers, maintenance holes, pump stations and other related accessories.

The costs of the following wastewater collection system infrastructure shall be direct developer responsibilities as a local service provision under s. 59 of the DCA in both Former Barrie and the Salem and Hewitt's Secondary Planning Areas:

- All required local wastewater collection system infrastructure internal to a development 375 mm and less in size is considered to be a local benefit.
- All wastewater infrastructure external to the development, 375 mm and less in size, required to service a development is considered to be a local benefit.
- All service connections within a development are considered to be a local benefit.



- If external services are required by two or more developments, the developer for the first development will be responsible for the cost of the external services and may enter into front-ending/cost-sharing agreements with other developers independent of the City of Barrie.
- Temporary wastewater infrastructure required to service a development is considered to be a local benefit.
- Wastewater Collection Studies undertaken for a specific development are considered to be local benefit.

The costs of the following wastewater collection system infrastructure shall be paid through DCs in both Former Barrie and the Salem and Hewitt's Secondary Planning Areas:

- Trunk wastewater sewers greater than 375 mm which are included in the current DCs.
- Pump Stations not required for a specific development and which are included in the current DCs.
- Updates to the Wastewater Collection Master Plan or related studies.

C. Municipal Water Supply

All water supply costs shall be paid through DCs in both the Former Barrie and the Salem and Hewitt's Secondary Planning Areas.

D. Municipal Wastewater Treatment

All wastewater treatment costs shall be paid through development charges in both Former Barrie and the Salem and Hewitt's Secondary Planning Areas.



5. Parkland Development

Parkland Development includes for the development of recreational trails and parkland.

A. Recreational Trails

All recreational trails and multi-use pathways with trail classifications Type 3, Type 4 and Type 5 as identified in the Trails Master Plan, or as part of the City's capital budgeting process, including the associated infrastructure (structures, crossings and appurtenances) within the development area or required connections to a major multi-use trail network or surrounding community facilities and parklands are the direct responsibility of the developer.

All major community recreational multi-use pathways classified as Type 1 and Type 2, including the associated infrastructure (structures, crossings and appurtenances), that service the city-wide active transportation network in accordance with the current Trails Master Plan, or any successor thereto, shall be paid through development charges.

B. Parkland

- Parkland Development for Regional Parks, District Parks, Community Parks, Neighbourhood Parks and Village Squares: responsibility to provide up to base condition is a direct developer responsibility as a local service provision under s. 59 of the DCA including, but not limited to, the following:
 - Clearing and grubbing;
 - Topsoil Stripping and stockpiling, (topsoil or any fill or soils shall not be stockpiled on parkland without the approval of the City);



- Parkland shall be free of any contaminated soil or subsoil;
- Servicing Water, Hydro, Stormwater, Sanitary, Electrical,
 Fibre/phone, catch basins, meter and meter boxes to a point just
 inside the property line as per City requirements. This includes
 providing for catch basins, manholes, access boxes and meter
 boxes within the park property;
- Fine grading of the sub-base (pre-grading) and the supply of topsoil to the required depth as per City requirements;
- Developer shall be responsible for the cost to excavate, remove from site and replace any unsuitable base (sub-grade) material;
- Parkland shall not be mined for engineering fill and replaced with fill or topsoil;
- Parkland shall be conveyed free and clear of all encumbrances;
- When parkland parcels cannot be developed in a timely manner, they shall be graded to ensure positive drainage and seeded to minimize erosion and dust;
- Temporary fencing is required where there is no permanent fence to prevent illegal dumping;
- Temporary Park sign advising future residents that the site is a future park;
- Perimeter fencing of parkland to the City standard located on the public property side of the property line adjacent land uses (residential, industrial, commercial, open space or environmentally protected) as required by the City; and
- Required heritage features within the park as set out within the Planning approval conditions.

Facilities within parkland are included in the D.C.



6. Natural Heritage Systems (N.H.S.)

NHS includes engineered and in situ stream corridors, natural buffers for woodlots, wetland remnants, etc. as well as sub watersheds within the boundaries of the City.

Direct developer responsibility as a local service provision under s. 59 of the DCA, includes but is not limited to the following:

- Riparian planting and landscaping requirements (as required by the City or authorities having jurisdiction), as a result of road construction or other municipal works required to be installed or constructed by the developer within in the NHS.
- Perimeter fencing of the NHS to the City standard located on the public property side of the property line adjacent land uses (residential, industrial, commercial) as required by the City is a direct developer responsibility as a local service provision under s. 59 of the DCA.



Appendix I Approved 2023 DC By-law





BY-LAW NUMBER 2023-074

A By-law of The Corporation of the City of Barrie to establish municipal-wide development charges for the City of Barrie and to repeal By-laws 2019-055, 2021-059 and all amendments thereto.

WHEREAS pursuant to subsection 2(1) of the *Development Charges Act*, 1997, c.27, as amended, a council of a municipality may by by-law impose development charges against land to pay for increased capital costs required because of increased needs for services arising from development if the development of the land requires certain consents, approvals, amendments, conveyances or issuance of a building permit;

AND WHEREAS, on June 21, 2023, the Council of The Corporation of the City of Barrie approved the City of Barrie Development Charge Background Study dated April 21, 2023, as required by s.10 of the Development Charges Act, 1997, which indicates that the development of land within the City of Barrie will increase the need for services;

AND WHEREAS a public meeting has been held, on May 10, 2023, before passage of this by-law with notice given and sufficient information made available to the public pursuant to s.12 of the Development Charges Act, 1997;

AND WHEREAS the Council adopted motion 23-G-155 on June 21, 2023, directed that development charges be imposed on land under development or redevelopment within the geographical limits of the municipality as provided in this By-law;

AND WHEREAS the Council of The Corporation of the City of Barrie deems it expedient to pass such a by-law;

AND WHEREAS, on June 21, 2023, the Council of The Corporation of the City of Barrie approved the City of Barrie Development Charge Background Study dated April 21, 2023 indicating that it intends that the increase in the need for services to service the anticipated development will be met;

AND WHEREAS, on June 21, 2023, the Council determined that no further public meetings were required under s.12 of the *Development Charges Act, 1997*.

NOW THEREFORE the Council of The Corporation of the City of Barrie enacts as follows:

Definitions

1. In this By-law;

"Act" means the Development Charges Act, 1997, S.O. 1997, c. 27, as amended or superseded;

"accessory building" means a building or structure that is naturally and normally incidental to or subordinate in purpose or both, and exclusively devoted to a principal use, building or structure provided that it:

- a) does not contain any water or sewage services;
- b) is used only for accessory storage;
- c) contains an accessory use to an existing industrial use in the principal building on the same lot; and
- d) does not exceed 25% of the existing principal building or 500m2 whichever is less.

"accessory dwelling" means a self-contained residential unit that is subordinate in purpose to another residential dwelling unit upon the same lot;

"ancillary dwelling", means a residential building that would be ancillary to a detached dwelling, semidetached dwelling, or row dwelling and includes an accessory dwelling.

"ancillary structure" has the same meaning as an ancillary dwelling.

"apartment dwelling unit" means any residential dwelling unit within a building containing more than four dwelling units where the residential units are connected by an interior corridor, but does not include special care/special need dwelling unit. Despite the foregoing, an apartment dwelling includes stacked townhouse dwellings;

"back-to-back townhouse dwelling" means a building containing four or more dwelling units separated vertically by a common wall, including a rear common wall, that do not have rear yards.

"bedroom" means a room which can be used as sleeping quarters but does not include a kitchen, bathroom, living room or dining room, but may include a den orstudy;

"City" means the Corporation of the City of Barrie;

"class" means a grouping of services combined to create a single service for the purposes of this Bylaw and as provided in Section 7 of the *Development Charges Act*.

"common area" means an area generally available for use by all occupants. Development charges for common areas in non-residential developments will be calculated at the rate in effect that corresponds with the predominant use of the development. Common areas in residential developments and mixed use developments are exempt from development charges.

"detached dwelling unit" has the same meaning as a "single detached dwelling unit" for the purposes of this by-law.

"dwelling unit" means a suite operated as a housekeeping unit used or intended to be used as a domicile by one or more persons and usually containing cooking, eating, living, sleeping and sanitary facilities and shall include mobile homes;

"Development Charges Act" means the Development Charges Act, 1997, S.O. 1997, c. 27, as amended or superseded;

"existing industrial building" means a building used for or in connection with,

- a) manufacturing, producing, processing, storing or distributing something,
- b) research or development in connection with manufacturing, producing or processing something,
- retail sales by a manufacturer, producer or processor of something they manufactured, produced or processed, if the retail sales are at the site where the manufacturing, producing or processing takes place.
- d) office or administrative purposes, if they are,
 - carried out with respect to manufacturing, producing, processing, storage or distributing of something, and
 - in or attached to the building or structure used for that manufacturing, producing, processing, storage or distribution.

provided that such industrial building or buildings existed on a lot in the City of Barrie;

"gross floor area (gfa)" means the sum total of the total areas of the floors whether above or below grade, measured between the exterior faces of the exterior walls, including part walls, of the building or from the center line of a common wall separating two uses and;

- (i) includes the area of a mezzanine as defined in the Ontario Building Code;
- (ii) excludes those areas used exclusively for parking garages or structures; and
- includes those areas covered by roofs or roof-like structures, but does not include a canopy or seasonal patios associated with a restaurant;

"hospice" means a building or portion of a mixed-use building designed and intended to provide palliative care and emotional support to the terminally ill in a home or homelike setting so that quality of life is maintained, and family members may be active participants in care.

"industrial use" means a use in connection with,

- a) manufacturing, producing, processing, storing or distributing something,
- b) research or development in connection with manufacturing, producing or processing something,
- retail sales by a manufacturer, producer or processor of something they manufactured, produced or processed, if the retail sales are at the site where the manufacturing, producing or processing takes place,
- d) office or administrative purposes, if they are,
 - carried out with respect to manufacturing, producing, processing, storage or distributing of something, and
 - in or attached to the building or structure used for that manufacturing, producing, processing, storage or distribution.

provided that such industrial building or buildings existed on a lot in the City of Barrie;

"institutional development" means development of a building or structure intended for use:

- As a long-term care home within the meaning of Subsection 2 (1) of the Long-Term Care Homes Act, 2007;
- (ii) As a retirement home within the meaning of Subsection 2 (1) of the Retirement Homes Act, 2010;
- (iii) By any of the following post-secondary institutions for the objects of the institution:
 - A university in Ontario that receives direct, regular, and ongoing operating funding from the Government of Ontario,
 - A college or university federated or affiliated with a university described in subclause (1), or
 - An Indigenous Institute prescribed for the purposes of Section 6 of the Indigenous Institutes Act, 2017;
- (iv) As a memorial home, clubhouse, or athletic grounds by an Ontario branch of the Royal Canadian Legion; or
- (v) As a hospice to provide end of life care.

"institutional use" means, notwithstanding any other provisions of this By-law, lands, buildings or structures used or designed or intended for use by an organized body, society or religious group for promoting a public or non-profit purpose;

"interest rate" means a rate equal to the average prime rate on,

- i. October 15 of the previous year, if the adjustment date is January 1,
- ii. January 15 of the same year, if the adjustment date is April 1,
- iii. April 15 of the same year, if the adjustment date is July 1, and
- iv. July 15 of the same year, if the adjustment date is October 1.

The base rate of interest in effect on a particular date shall be,

- i. the base rate for the particular date, if the particular date is an adjustment date, and
- ii. the base rate for the last adjustment date before the particular date, otherwise.

The rate of interest that will be charged shall be an annual interest rate that is one percentage point higher than the base rate of interest in effect for that day.

"live/work unit" means a unit which contains separate residential and non-residential areas intended for both residential and non-residential uses concurrently and shares a common wall or floor with direct access between the residential and non-residential areas.

"local board" has the meaning set out in Section 1 of the Development Charges Act,

"mixed-use buildings" means land, buildings or structures used, or designed or intended for use, for a combination of non-residential and residential uses, including, but not limited to a live/work unit;

"mobile home" means a Building recognized in the Building Code as a "Mobile Home" in accordance with the standard for mobile homes in CSA Z240.2.1 "Structural requirements for Manufactured Homes" or CSA A277 "Procedures for Factory Certification of Buildings".

"non-profit housing development" means the development of a building or structure intended for use as a residential premises (including emergency transitional housing) and developed by,

- a corporation to which the Not-for-Profit Corporations Act, 2010 applies, that is in good standing under that Act and whose primary object is to provide housing,
- a corporation without share capital to which the Canada Not-for-profit Corporations Act applies, that is in good standing under that Act and whose primary object is to provide housing, or
- (c) a non-profit housing co-operative that is in good standing under the Co-operative Corporations Act. 2022, c. 21, Sched. 3, s. 4.

"non profit institution" means:

- (a) a "registered charity" as defined in subsection 248(1) of the *Income Tax Act*, RS.C. 1985, c. 1 (5th Supp.), as amended;
- (b) a corporation that is a non-profit organization for the purposes of paragraph 57(I)(b) of the Corporations Tax Act, R.S.O. 1990, c. C.40; or

 a "religious organization" as defined in subsection 1(1) of the Religious Organizations' Lands Act, R.S.O. 1990, c. R.23;

"non-residential (or a non-residential use)" means lands, buildings, or structures, or portions thereof designed, adopted or used for any purpose other than residential use and includes the non-residential portion of a live/work unit;

"non-retail uses" means all non-residential uses other than retail uses and shall include offices, self-storage, hotels and motels;

"office" means lands, buildings or structures used or designed or intended for use for the practice of a profession, the carrying on of a business or occupation or the conduct of a non-profit organization and shall include but not be limited to the office of a physician, lawyer, dentist, architect, engineer, accountant, real estate or insurance agency, veterinarian, surveyor, appraiser, financial institution, contractor, builder, and developer;

"Official Plan" means the Official Plan of the City and any amendments thereto;

"Ontario Building Code" means the Building Code Act, 1992, S.O. 1992, c.23 as amended or superseded;

"other multiple dwelling units" means all dwelling units other than single detached dwelling units, semi-detached dwelling units, and apartment dwelling units. It does include, but is not limited to, back-to-back townhouse dwellings, row dwellings and the residential component of live/work units;

"owner" means the owner of land or a person who has made application for an approval for the development of land;

"parking structure/garage" means a building provided exclusively for the purpose of vehicle parking;

"Planning Act" means the Planning Act, R.S.O. 1990, c. P.13, as amended or superseded;

"predominant use" means use of a development that is greater than 50% of GFA. GFA for the purpose of calculating predominant use considers only the non-residential use excluding any common area and residential uses. For clarity, the calculation compares the GFA values of retail versus non-residential/non-retail uses.

"rental housing" means development of a building or structure with four or more dwelling units all of which are intended for use as rented residential premises;

"residential development" means land, buildings or portions thereof used, designed or intended to be used as living accommodations for one or more individuals, and shall include a single detached dwelling, a semi-detached dwelling, an other multiple dwelling unit, an apartment dwelling unit, a special care/special dwelling unit, an accessory dwelling, and the residential portion of a mixed-use building;

"residential use" means lands, buildings, or structures designed or intended to be used as living accommodation for one or more individuals:

"retail use" means land, buildings or portions thereof used, designed or intended for use for the purpose of:

- (i) offering foods, wares, merchandise, substances, articles or things for sale directly or
- (ii) providing entertainment to the public and includes the rental of wares, merchandise, substances, article or things
- (iii) offices and storage in connection with or related or ancillary to such retail uses.

Retail uses include, but are not limited to:

(iv) conventional restaurants, fast food restaurants, concert halls, theatres, cinemas, movie houses, automotive fuel stations with or without service facilities, specialty automotive shops, auto repairs, collision services, car or truck washes, auto dealerships, shopping centres, including more than two stores attached and under one ownership, department/discount stores, banks and similar financial institutions, including credit unions (excluding freestanding bank kiosks), warehouse clubs and retail warehouses;

"retail warehouse" means the storage of a seller's inventory and/or the place where online orders are fulfilled. Retail warehouses typically serve functions in the retail supply chain, from storage to packaging and delivering goods to consumers.

"school board" means a board as defined in Section 1(1) of the Education Act,

"semi-detached dwelling unit" means a dwelling unit in a residential building consisting of two dwelling units having one vertical wall, but no other parts, attached to another dwelling unit where the residential units are not connected by an interior corridor;

"services" means services designated in this By-law;

"shell building" means, for the purpose of this by-law, a non-residential building or structure for which at the time a building permit is ready to be issued, the use of the non-residential building or units within the building or structure has not been determined.

"single detached dwelling unit" means a residential building consisting of one dwelling unit and not attached to another structure.

"special care/special need dwelling unit" means a unit intended for residential use, in a building containing more than three (3) such units, which units have a common enclosed entrance, where the occupants have the right to use in common halls, stairs, yards, common rooms and accessory buildings, which units may or may not have exclusive sanitary and/or culinary facilities and are designed to accommodate individuals with special needs, including an independent long-term living arrangement, where support for services such as meal preparation, grocery shopping, laundry, housekeeping, nursing, respite care and attendant services are provided at various levels;

"stacked townhouse dwelling" means a building containing two or more dwelling units where each dwelling unit is separated horizontally and/or vertically from another dwelling unit by a common wall or floor.

"temporary building or structure" means a building or structure which is designed, used or intended for non-residential uses that is constructed, erected or placed upon lands and which is demolished or removed from the lands within three (3) years of building permit issuance (or such extended term permitted by the City) and includes, but is not limited to, sales offices, office trailers, industrial tents, and temporary or seasonal structures such as tents, awnings and environmental coverings.

2. Designation of Services

The services for which development charges are imposed under this By-law are as follows:

- a) Protection
- b) Services Related to a Highway Roads and Related
- c) Services Related to a Highway Public Works and Fleet
- d) Transit
- e) Parks and Recreation
- f) Library Services
- g) Ambulance Services
- h) Long-term Care
- i) Waste Diversion
- j) Water Services Facilities
- k) Water Services Facilities Related Debt
- I) Wastewater Services Facilities
- m) Wastewater Services Facilities Related Debt
- n) Water Services Distribution Systems Salem & Hewitt's Secondary Plan Areas
- o) Wastewater Services Collection Systems Salem & Hewitt's Secondary Plan Areas
- p) Water Services Distribution Systems Former City Municipal Boundary Areas
- q) Wastewater Services Collection Systems Former City Municipal Boundary Areas
- r) Stormwater Drainage and Control Services Former City Municipal Boundary Areas

3. Lands Affected

Where permitted pursuant to the provisions of the *Development Charges Act*, 1997, and not otherwise prohibited by such Act, or otherwise exempted by the provisions of this By-law, this By-law applies to all land, buildings and structures within the City of Barrie.

4. Approvals for Development

- a) Development Charges shall be imposed on all land, buildings or structures that are developed for Residential or Non-Residential Uses if the Development requires:
 - the passing of a Zoning By-law or of an amendment to a Zoning By-law under section 34 of the Planning Act;
 - (ii) the approval of a minor variance under section 45 of the Planning Act;
 - (iii) a conveyance of land to which a by-law passed under subsection 50(7) of the Planning Act applies;
 - (iv) the approval of a plan of subdivision under section 51 of the Planning Act;

- (v) a consent under section 53 of the Planning Act;
- (vi) the approval of a description under section 9 of the Condominium Act, S.O. 1998, c. C.19, as amended, or any successor thereof; or
- (vii) the issuing of a permit under the Building Code Act in relation to a building or structure.
- b) No more than one development charge for each Service designated in section 2 shall be imposed upon any land, buildings or structures to which this By-law applies even though two or more of the actions described in section 4(a) are required before the land, buildings or structures can be developed.
- c) Despite section 4(b), if two or more of the actions described in section 4(a) occur at different times, and if the subsequent action has the effect of increasing the need for municipal services as designated in this by-law, an additional development charge shall be calculated in accordance with the provisions of this by-law.

5. Calculation of Development Charges

- Subject to the provisions of this by-law, development charges against land shall be calculated and collected in accordance with the rates set out in Schedule B as applicable.
- b) The development charge with respect to the use of any land, buildings or structures shall be calculated as follows:
 - i. in the case of residential development or redevelopment, or the residential portion of a mixed-use development, based upon the number and type of dwelling units;
 - ii. in the case of non-residential development or redevelopment, or the non-residential portion
 of a mixed-use development or redevelopment, based on the gross floor area of such
 development or redevelopment.
- c) If at the time a building permit is ready to be issued for a Shell Building and the use of a non-residential building or units within the non-residential building has not been determined, the Treasurer or his/her designate may, in their discretion, and at the request of the owner, permit the owner to pay the lower development charges where the owner agrees to:
 - enter into a deferral agreement with the City to defer an amount of development charges equivalent to the difference between the probable lower charge and higher charge applicable to the development, on terms satisfactory to the Treasurer or his/her designate;
 - a) Where the Treasurer or his/her designate, determines that the building or unit within the building has a first use subject to the lower development charges that portion of the deferral agreement will be revoked.
 - b) Where the Treasurer or his/her designate, determines that the building or unit within the building has a first use subject to development charges that are higher than the lower development charges, the City's terms and conditions of the deferral agreement will become effective.

6. Phase-in of Development Charges

Development charges shall be phased in accordance with the requirements of the Act.

7. Amount of Development Charges

a) Residential

The Development Charges set out in Schedule B shall be imposed on Residential Uses of land, buildings or structures, including a Dwelling Unit accessory to a Non-Residential Use and, in the case of a mixed use building or structure, on the Residential Uses in the mixed use building or structure, including the residential component of a Live/Work unit, according to the type of residential unit and calculated with respect to each of the Services according to the type of Residential Use.

b) Non-Residential

The Development Charges set out in Schedule B shall be imposed on Non-Residential Uses of land, buildings or structures and in the case of a mixed-use building, on the non-residential component of the mixed-use building, including the non-residential component of a Live/Work unit, according to the type and gross floor area of the non-residential component.

8. Timing of Calculation and Payment of Development Charges

- a) Subject to the exemptions set out in this By-law or by statute or regulation, development charges shall be calculated and payable in full in money or by provision of services as may be agreed upon, or by credit granted by the Development Charges Act, 1997 on the date that the first building permit including a conditional permit is issued in relation to a building or structure on land to which a development charge applies with respect to any new or additional gross floor area or any additional dwelling units, or in a manner or at a time otherwise lawfully agreed upon.
- b) Where development charges apply to land in relation to which a building permit is required, the building permit shall not be issued until the development charge has been paid in full.
- c) Notwithstanding subsections (a) and (b), the calculation and payment of development charges may be deferred for any permit or conditional permit that authorizes the construction of only the underground portions of a building.
- d) Notwithstanding subsections (a), (b), and (c), a residential development charge with respect to:
 - (i) Services Related to a Highway (formerly Roads):
 - (ii) Water Services Facilities;
 - (iii) Water Services Facility Related Debt;
 - (iv) Wastewater Services Facilities;
 - (v) Wastewater Services Facilities Related Debt;
 - (vi) Former City Municipal Boundary Areas (where applicable):
 - Stormwater Drainage and Control Services
 - b. Water Services Distribution Systems
 - c. Wastewater Services Collection Systems
 - (vii) Salem & Hewitt's Secondary Plan Areas (where applicable):
 - a. Water Services Distribution Systems
 - Wastewater Services Collection Systems,

as set out in Schedule "B" attached, are payable, with respect to an approval of a plan of subdivision, immediately upon entering into the subdivision agreement, based upon the number and type of residential lots created.

- Development Charges will be calculated at the current rate in effect on the day prior to issuance
 of the building permit or revision to building permit
- f) If construction has not begun after 24 months from the date of issuance of a building permit (conditional or full), a top-up to the rate in effect at that time will apply
- g) Notwithstanding section 8 (a), development charges for rental housing and institutional developments in accordance with Section 26.1 of the *Development Charges Act, 1997*, are due inclusive of interest established from the date the development charge would have been payable in accordance with section 26 of the *Development Charges Act, 1997*, in 6 equal annual payments beginning on the date that is the earlier of:
 - the date of the issuance of a permit under the Building Code Act, 1992 authorizing occupation of the building; and
 - ii. the date the building is first occupied.

and continuing on the following five anniversaries of that date.

i) Where the development of land results from the approval of a site plan or zoning by-law amendment application received on or after January 1, 2020, and the approval of the application occurred within two years of building permit issuance, the development charges under section 7 shall be calculated on the rates set out in Schedule B on the date of the planning application, including interest. Where both planning applications apply, development charges under section 7 shall be calculated on the rates in effect on the day of the later planning application, including interest.

9. Indexing of Development Charges

The development charges set out in Schedule B of this By-law shall be adjusted annually without amendment to this By-law, commencing on January 1, 2024, by the percentage change during the preceding year, as recorded in the Statistics Canada's Construction Cost Index (3rd Quarter - non-residential building – table 18-10- 0135-01), as may be amended or replaced from time to time.

10. Accounting for Development Charges

- Any development charges paid pursuant to this By-law shall be maintained separately from all other revenues or receipts of the City.
- b) The Treasurer of the City shall maintain these monies in separate reserve funds as set out in section 2 "Designation of Services" of this By-law for the services identified in this By-law and shall only permit the monies to be expended in accordance with the provisions of s.35 of the Development Charges Act, 1997:

c) The Treasurer shall provide the Council with an annual statement, on a date directed by the Council, in respect of the reserve funds established under this By-law. This statement shall contain the required information, as set out in s.s.12(1) of O.Reg. 82/98.

11. Exemptions and Discounts

- a) Notwithstanding the provisions of this By-law, development charges shall not be imposed with respect to developments or portions of developments as follows:
 - (i) The enlargement to an existing residential dwelling unit;
 - One or two additional dwelling units in an existing or to be constructed single detached dwelling or prescribed ancillary structure to the existing residential building;
 - (iii) The creation of additional dwelling units equal to the greater of one or 1% of the existing dwelling units in an existing residential rental building containing four or more dwelling units or prescribed ancillary structure to the existing residential building;
 - (iv) The creation of one additional dwelling unit in any other existing or to be constructed residential building, such as a semi-detached or row dwelling or prescribed ancillary structure to the existing residential building; or
 - (v) Notwithstanding subsection (ii) above, development charges shall be imposed if the total gross floor area of the additional one or two units exceeds the gross floor area of the existing dwelling unit.
 - (vi) Notwithstanding subsection (iv) above, development charges shall be imposed if the additional unit has a gross floor area greater than:
 - In the case of a semi-detached or row dwelling, the gross floor area of the existing smallest dwelling unit; and
 - (b) In the case of any other residential building, the gross floor area of the smallest dwelling unit already contained in the residential building.
 - (viii) Land owned by and used for the purposes of The Corporation of the City of Barrie, any other municipality, the Simcoe County District School Board, the Simcoe-Muskoka Catholic District School Board (and any other school board defined in section 1(1) of the Education Act), or any local board or commission;
 - (ix) Non-profit housing development.
 - (x) Inclusionary zoning residential units in respect of residential units that are affordable housing units required to be included in a development or redevelopment pursuant to a bylaw passed under section 34 of the *Planning Act* to give effect to the policies described in subsection 16 (4) of that Act. 2022, c. 21, Sched. 3, s. 4.
 - (x) Temporary Buildings or Structures shall be exempt from the provisions of this By-law. In the event that a Temporary Building or Structure becomes protracted, it shall be deemed not to be nor ever to have been a Temporary Building or Structure, and the Development Charges rate acquired to be paid under this By-law shall become payable on the date the Temporary Building or Structure becomes Protracted.
 - (xi) Institutional development of land, buildings or structures owned by a College of applied arts and technology established pursuant to the *Ministry of Training, Colleges and Universities Act*, R.S.O. 1990, c. M. 19, and used for teaching-related purposes on lands owned by and used for the purposes of the College but does not include student residences;
 - (xii) Institutional development of land, buildings or structures owned by a university established by an Act of the Legislative Assembly of Ontario, and used for teaching-related purposes on lands owned by and used for the purposes of the University, but does not include student residences:
 - (xiii) No development charge shall be imposed on development constituting one or more enlargements of an existing industrial building as defined herein, where attached, up to a maximum of fifty percent (50%) of its gross floor area of the existing industrial building.
 - a) Where a proposed enlargement exceeds fifty percent (50%) of the gross floor area of an existing industrial building, development charges are payable on the amount by which the proposed enlargement exceeds fifty percent (50%) of the gross floor area before the enlargement.

- b) The cumulative total of the gross floor area previously exempted hereunder shall not be included in the determination of the amount of the exemption applicable to any subsequent enlargement and shall be calculated on the basis of the site as it existed on the date immediately prior to the first exemption hereunder.
- c) Where a subdivision of the site subsequent to any enlargement previously exempted hereunder results in the existing industrial building being on a lot separate from the development previously, further exemptions, if any, pertaining to the existing industrial building shall be calculated on the basis of the site as it existed on the date immediately prior to the first exemption hereunder.
- b) If a development involves the demolition of and replacement of a building or structure within 60 months of the demolition permit being issued, or the conversion from one principal use to another, the developer shall be allowed a credit equivalent to:
 - the number of dwelling units demolished/converted multiplied by the applicable residential development charge in place at the time the development charge is payable; and/or
 - (ii) the gross floor area of the building demolished/converted multiplied by the current non-residential development charge in place at the time the development charge is payable. The credit can, in no case, exceed the amount of the development charge that would otherwise be payable;

provided that such amounts shall not exceed, in total, the amount of the Development Charges otherwise payable with respect to the Redevelopment. For greater certainty, any amount of the reductions set out above that exceed the amount of Development Charges otherwise payable with respect to the Redevelopment shall be reduced to zero and shall not be transferred to any other Development or Redevelopment.

- c) Where a building or structure ("former premises") is released by another building or structure on the same site prior to demolition of the former premises, the owner of the building or structure who has paid a development charge on the construction of the replacement building may submit a request to the Treasurer of the Finance Department for a refund from the development charge reserve funds for all or part of the development charge paid under this by-law, or a predecessor by-law. The refund shall be granted so long as:
 - (i) the former premises is lawfully demolished or removed from the land within thirty-six (36) months from the date the interior final inspection process has been closed by the Chief Building Official or an occupancy permit has been issued where applicable for the replacement building or structure; and
 - the replacement building uses the existing municipal service which serviced the former premises.

The refund shall be calculated by determining the development charge that would be payable at the current rate at the time the demolition permit is issued, in respect of the former premises (by using the applicable current rate for the particular type of non-residential premises or dwelling units demolished) as if those former premises were currently being constructed, erected or placed for the first time. The refund shall be paid after confirmation that the former premises have been demolished.

- d) The following designated categories of uses are subject to discounted development charges as noted below:
 - notwithstanding the table of development charges set out Schedule B, development of lands owned by a non-profit institution for institutional uses by the non-profit institution for their own purposes as to 50% of the development charge chargeable;
 - (ii) notwithstanding the table of development charges set out in Schedule B, one accessory building to an existing industrial building be charged \$35.43 per square metre subject to indexing in accordance with Section "9" "Indexing of Development Charges";
 - (iii) notwithstanding the table of development charges set out in Schedule B, in the case of rental housing development, the development charge for a residential unit intended for use as a rental residential premises with three or more bedrooms shall be reduced by 25%;
 - (iv) notwithstanding the table of development charges set out in Schedule B, in the case of rental housing development, the development charge for a residential unit intended for use as a rental residential premises with two bedrooms shall be reduced by 20%;
 - (v) notwithstanding the table of development charges set out in Schedule B, in the case of rental housing development, the development charge for a residential unit intended for use as a rental residential premises not referred to in section (iii) or (iv) above shall be reduced by 15%.

12. By-law Registration

A certified copy of this By-law may be registered on title to any land to which this by-law applies.

13. By-law Administration

This By-law shall be administered by the Treasurer of The Corporation of the City of Barrie.

14. Short Title

This By-law may be referred to as the Barrie City-Wide and Area Specific Development Charges By-law

15. Date By-law Effective

This By-law comes into force on the date following the date of its passage by the Council of the Corporation of the City of Barrie.

16. Headings

The headings in this By-law form no part of this By-law and shall be deemed to be inserted for convenience of reference only.

17. Severability

In the event any provision or part thereof of this By-law is found by a Court of competent jurisdiction to be ultra vires, such provision or part thereof shall be deemed to be severed and the remaining portion of such provision and all other provisions of this By-law shall remain in full force and effect.

18. Schedules

The following schedules shall form part of this By-law:

Schedule A Components of Services Designated in Section 2

Schedule B Residential and Non-Residential Development Charges

Schedule C Map of Former City Municipal Boundary Areas

Schedule D Map of Salem Secondary Plan Area

Schedule E Map of Hewitt's Secondary Plan Area

19. By-laws 2019-055 and 2021-059

By-laws 2019-055 and 2021-059 and all amendments thereto are hereby repealed on the date this By-law comes into effect.

20. Expiry

This By-law shall expire and be deemed to be repealed on June 21, 2033, unless repealed earlier.

READ a first and second time this 21st day of June 2023.

READ a third time and finally passed this 21st day of June 2023.

THE CORPORATION OF THE CITY OF BARRIE

2

CITY CLERK - WENDY-COOKE

By-law Number 2023-074

SCHEDULE "A" COMPONENTS OF SERVICES/CLASSES OF SERVICES DESIGNATED IN SUBSECTION 2.1

Area Specific - Former City Municipal Boundary Areas

Stormwater Drainage and Control Services

Water Services

Distribution Systems

Wastewater Services

Collection Systems

Area Specific - Salem & Hewitt's Secondary Plan Areas

Water Services

Distribution Systems

Wastewater Services

Collection Systems

Municipal Wide D.C.-Eligible Services

Water Services

Facilities

Facilities Related Debt

Wastewater Services

Facilities

Facilities Related Debt

Services Related to a Highway

Roads

Transit

Transit Facilities

Transit Vehicles

Transit Shelters

Library Services

Public Facilities

Library Collection Materials

Parks and Recreation

Parkland Development

Parks Vehicles and Equipment

Waste Diversion

Waste Diversion Facilities

Waste Diversion Vehicles & Equipment

Waste Diversion Carts & Containers

Long Term Care

Long-term Care Facilities

Ambulance Services

Facilities, Vehicles and Equipment

Municipal-Wide D.C.-Eligible Classes

Public Works

Services Related to a Highway

Water Services

Wastewater Services

Stormwater Services

Protection

Fire Facilities

Fire Vehicles

Fire Small Equipment and Gear

Police Facilities

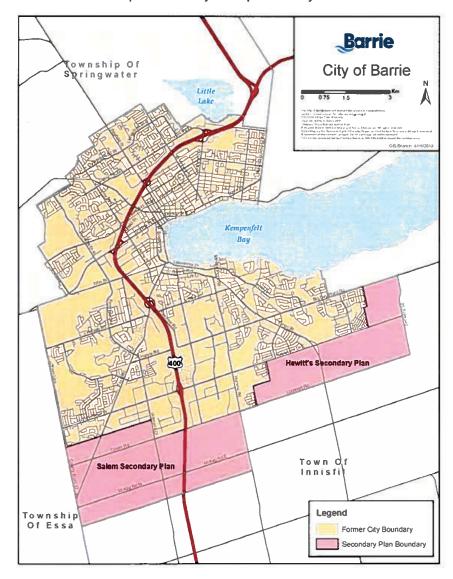
Police Vehicles

Police Small Equipment and Gear

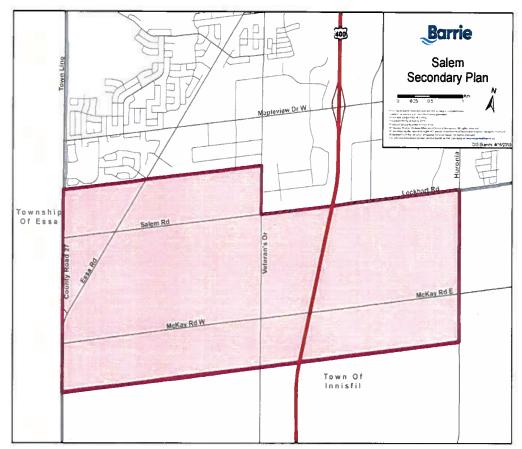
By-law Number 2023-074 SCHEDULE "B" Residential and Non-residential Development Charges

| \$391.69 | \$735.64 | \$39,450 | \$51,287 | \$78,902 | \$94,486 | \$126,077 | TOTAL SALEM & HEWITT'S BOUNDARY PER UNIT |
|-----------------------|-----------|----------------|----------------|---------------------|-----------------|---------------|---|
| \$313.22 | \$542.41 | \$30,750 | \$39,976 | \$61,500 | \$73,647 | \$98,271 | Subtotal City-Wide Charge Per Unit |
| \$78.46 | \$193.23 | \$8,700 | \$11,311 | \$17,402 | \$20,839 | \$27,806 | Subtotal Salem & Hewitt's per Unit |
| \$36.54 | \$89.99 | \$4,055 | \$5,272 | \$8,111 | \$9,713 | \$12,960 | Wastewater Services - Collection Systems |
| \$41.92 | \$103.25 | \$4,645 | \$6,039 | \$9,291 | \$11,126 | \$14,846 | Water Services - Distribution Systems |
| | | | | | | | SALEM & HEWITT'S SECONDARY PLAN AREA |
| | | | | | | | |
| \$354.33 | \$607.69 | \$35,007 | \$45,510 | \$70,013 | \$83,842 | \$111,874 | TOTAL FORMER MUNICIPAL BOUNDARY PER UNIT |
| \$313.22 | \$542.41 | \$30,750 | \$39,976 | \$61,500 | \$73,647 | \$98,271 | Subtotal City-Wide Charge Per Unit |
| \$41.10 | \$65.28 | \$4,257 | \$5,534 | \$8,513 | \$10,195 | \$13,603 | Subtotal Former Boundary per Unit |
| \$22.32 | \$36.25 | \$1,759 | \$2,286 | \$3,517 | \$4,212 | \$5,620 | Wastewater Services - Collection Systems |
| \$8.74 | \$14.34 | \$666 | \$866 | \$1,332 | \$1,595 | \$2,128 | Water Services - Distribution Systems |
| \$10.04 | \$14.69 | \$1,832 | \$2,382 | \$3,664 | \$4,388 | \$5,855 | Stormwater Drainage And Control Services |
| | | | | | | | FORMER MUNICIPAL BOUNDARY |
| | | | | | | | |
| \$313.22 | \$542.41 | \$30,750 | \$39,976 | \$61,500 | \$73,647 | \$98,271 | TOTAL CITY-WIDE CHARGE PER UNIT |
| \$18.75 | \$32.43 | \$1,469 | \$1,909 | \$2,937 | \$3,518 | \$4,694 | Wastewater Services - Facilities Related Debt |
| \$32.73 | \$56.61 | \$2,701 | \$3,512 | \$5,403 | \$6,470 | \$8,633 | Wastewater Services - Facilities |
| \$22.31 | \$38.56 | \$1,788 | \$2,325 | \$3,577 | \$4,284 | \$5,716 | Water Services - Facilities Related Debt |
| \$1.16 | \$2.00 | \$94 | \$122 | \$187 | \$224 | \$299 | Water Services - Facilities |
| \$209.89 | \$362.94 | \$17,302 | \$22,493 | \$34,604 | \$41,440 | \$55,293 | Services Related To A Highway: Roads |
| \$4.12 | \$7.33 | \$361 | \$469 | \$722 | \$864 | \$1,153 | Waste Diversion Services |
| \$1.79 | \$2.90 | \$156 | \$203 | \$313 | \$374 | \$500 | Ambulance Services |
| \$0.00 | \$0.00 | \$43 | \$56 | \$86 | \$102 | \$137 | Long Term Care Services |
| \$7.24 | \$12.81 | \$582 | \$757 | \$1,164 | \$1,394 | \$1,861 | Transit Services |
| \$7.25 | \$12.60 | \$635 | \$826 | \$1,270 | \$1,521 | \$2,030 | Services Related To A Highway: Public Works And Fleet |
| \$0.00 | \$0.00 | \$4,476 | \$5,818 | \$8,951 | \$10,719 | \$14,303 | Parks And Recreation |
| \$7.99 | \$14.21 | \$697 | \$906 | \$1,394 | \$1,669 | \$2,227 | Protection Services |
| \$0.00 | \$0.00 | \$446 | \$580 | \$892 | \$1,068 | \$1,425 | Library Services |
| | | Dwelling Units | Bedroom | pearooms | | Semi-Detached | |
| Non-Retail | Retail | Special | Bachelor and 1 | Apartments 2+ | Other Multiples | Single & | Service |
| | | Special Care/ | Apartments | | | 2 | |
| NON-RESIDENTIAL \$/M2 | NON-RESID | | 7 | RESIDENTIAL \$/UNIT | 20 | | |
| | | | | | | | |

By-law Number 2023-074 SCHEDULE "C" Map of Former City Municipal Boundary Areas



By-law Number 2023-074 SCHEDULE "D" Map of Salem Secondary Plan Area



15 Bill No. 077

By-law 2023-074 SCHEDULE "E" Map of Hewitt's Secondary Plan Area

