



2024 Development Charge Background Study

County of Oxford

For Public Circulation and Comment

April 12, 2024

Watson & Associates Economists Ltd.
905-272-3600
info@watsonecon.ca

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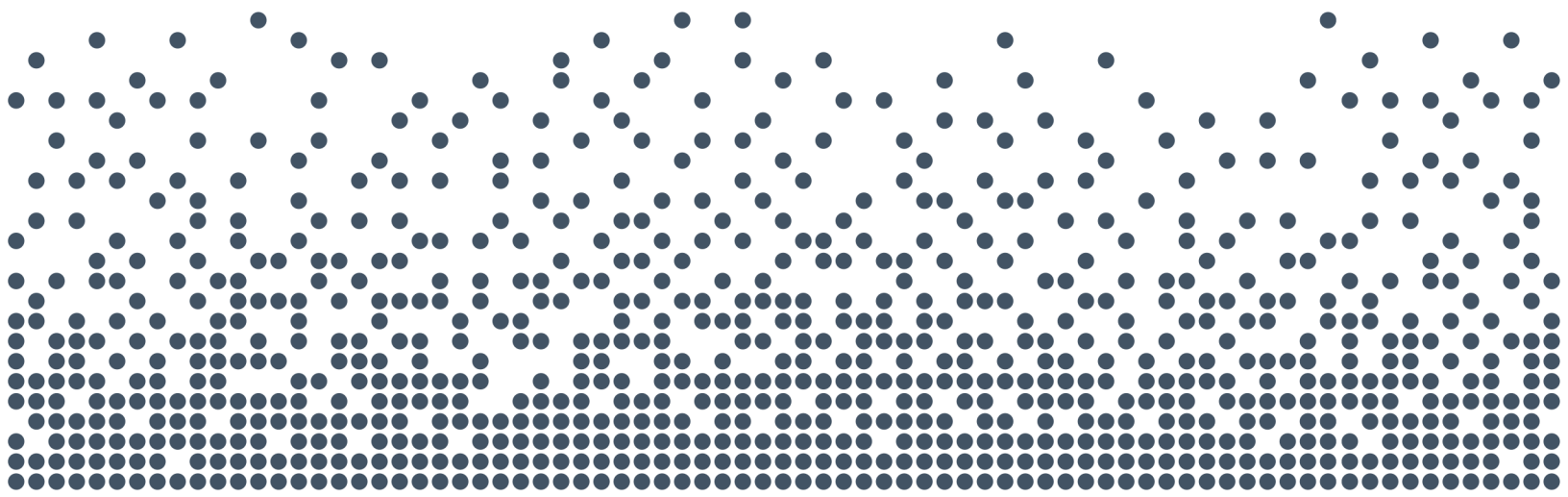
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List of Acronyms and Abbreviations

Acronym	Full Description of Acronym
D.C.	Development charge
D.C.A.	<i>Development Charges Act</i> , 1997 as amended
G.F.A.	Gross floor area
LPAT.	Local Planning Appeal Tribunal
N.F.P.O.W.	No Fixed Place of Work
O.L.T.	Ontario Land Tribunal
O.M.B.	Ontario Municipal Board
O. Reg.	Ontario Regulation
P.O.A.	Provincial Offences Act
P.P.U.	Persons per unit
s.s.	Subsection
sq.m.	square metre
sq.ft.	square foot
km	kilometer



Executive Summary



Executive Summary

1. The report provided herein represents the Development Charges (D.C.) Background Study for County of Oxford (County) required by the *Development Charges Act, 1997* (D.C.A.). This report has been prepared in accordance with the methodology required under the D.C.A. The contents include the following:
 - Chapter 1 – Introduction and overview of the legislative requirements of the D.C.A.;
 - Chapter 2 – Current County D.C. policy;
 - Chapter 3 – Summary of the residential and non-residential growth forecasts for the County;
 - Chapter 4 – Approach to calculating the D.C.;
 - Chapter 5 – Review of historical service standards and identification of D.C. recoverable capital costs to service growth;
 - Chapter 6 – Calculation of the D.C.s;
 - Chapter 7 – D.C. policy recommendations and D.C. by-law rules;
 - Chapter 8 – Asset management plan requirements of the D.C.A.; and
 - Chapter 9 – By-law implementation.

2. D.C.s provide for the recovery of growth-related capital expenditures from new development. The D.C.A. is the statutory basis to recover these charges. The methodology is detailed in Chapter 4; a simplified summary is provided below:
 - 1) Identify amount, type and location of growth;
 - 2) Identify servicing needs to accommodate growth;
 - 3) Identify capital costs to provide services to meet the needs;
 - 4) Deduct:
 - Grants, subsidies and other contributions;
 - Benefit to existing development;
 - Amounts in excess of 15-year historical service calculation;
 - D.C. reserve funds;



- 5) Net costs are then allocated between residential and non-residential benefit; and
 - 6) Net costs divided by growth to provide the D.C. calculation.
3. Changes to the D.C.A. were introduced through four bills passed in the Ontario legislature since the County's last D.C. by-law amendment: Bill 109, Bill 23, Bill 97, and Bill 134. The following provides a brief summary of the recent changes.

Bill 109: *More Homes for Everyone Act, 2022*

On April 14, 2022, Bill 109 received Royal Assent. One of the changes of the Bill and Ontario Regulation (O. Reg.) 438/22 that took effect upon Royal Assent included amending the D.C.A. and O. Reg. 82/98 related to the requirements for the information which is to be included in the annual Treasurer's statement on D.C. reserve funds and the requirement for publication of the statement. Further information is provided in subsection 1.3.5.

Bill 23: *More Homes Built Faster Act, 2022*

On November 28, 2022, Bill 23 received Royal Assent. This Act amends a number of pieces of legislation including the *Planning Act* and the D.C.A. Subsequently, further amendments to these provisions were made through Bills 97 and 134. The following provides a summary of the changes to the D.C.A. (further details are provided in subsection 1.3.6 of this report):

- Additional residential unit exemption: Allowance of a third unit to be exempt from D.C.s in existing and new residential dwellings;
- Removal of housing as an eligible D.C. service;
- New statutory exemptions for affordable units, attainable units (to be in effect upon proclamation by the Lieutenant Governor);
- New statutory exemptions for inclusionary zoning units, and non-profit housing developments;
- Historical level of service extended to 15-year period instead of the prior 10-year period;
- Capital cost definition may be revised to prescribe services for which land or an interest in land will be restricted;
- Capital cost definition has been revised to remove studies;



- Mandatory reduction for new D.C. by-laws passed after November 28, 2022, as follows:
 - Year 1 – 80% of the maximum charge;
 - Year 2 – 85% of the maximum charge;
 - Year 3 – 90% of the maximum charge;
 - Year 4 – 95% of the maximum charge; and
 - Year 5 to expiry – 100% of the maximum charge.
 - D.C. by-law expiry will be 10 years after the date the by-law comes into force (unless repealed earlier);
 - D.C. for rental housing developments to receive a discount as follows:
 - Three or more bedrooms – 25% reduction;
 - Two bedrooms – 20% reduction; and
 - All other bedroom quantities – 15% reduction.
 - Maximum interest rate for installments and determination of charge for eligible site plan and zoning by-law amendment applications to be set at the average prime rate plus 1%; and
 - Requirement to allocate funds received– municipalities will be required to spend or allocate at least 60% of their reserve fund at the beginning of the year for water, wastewater, and services related to a highway.
4. The County is undertaking a D.C. public process and anticipates passing new by-laws for the eligible services. The mandatory public meeting has been set for May 8, 2024 with adoption of the by-laws anticipated for June 12, 2024, with an effective date of June 13, 2024 in advance of the expiry of the current by-law on June 26, 2024.
5. The growth forecast (Chapter 3) on which the D.C. is based, projects the following population, housing and non-residential floor area for the 10-year (2024 to 2034) period.



Table ES-1
Summary of Growth Forecast by Planning Period

Measure	10 Year 2024 to 2034
(Net) Population Increase	25,779
Residential Unit Increase	12,315
Non-Residential – Gross Floor Area Increase (sq.m.)	1,051,560

Source: Watson & Associates Economists Ltd. forecast 2024.

6. Chapter 5 herein provides, in detail and by service area, the gross capital costs for the increase in need to service new development and the respective deductions that have been made to arrive at the D.C. recoverable costs included in the calculation of the charge. The following services are calculated based on a County-wide 10-year forecast:

- Services related to a highway (including municipal works facilities, fleet and equipment);
- Ambulance services;
- Long-term care services;
- Waste diversion services; and
- Library services (not imposed in the City of Woodstock);

The following services are calculated based on a 10-year area specific forecast:

- Water services; and
- Wastewater services.

A summary of the total growth-related costs is provided below in Table ES-2.



Table ES-2
Summary of Expenditures Anticipated Over the Respective Forecast Periods

Summary of Expenditures Anticipated Over the Life of the By-laws	Expenditure Amount
Total Gross Capital Costs	\$580,333,000
Less: Benefit to Existing Development	\$241,947,000
Less: Post Planning Period Benefit	\$49,193,000
Less: Other Deductions	\$43,339,000
Less: Existing D.C. Reserve Funds	\$16,985,000
Net Costs to be Recovered from Development Charges	\$228,868,000

Based on the above table, the County plans to spend \$580 million over the 10-year planning period of which \$229 million (39%) is recoverable from D.C.s. Of the net \$229 million included in the calculation, \$172 million is recoverable from residential development and \$57 million from non-residential development. It is noted also that any exemptions or reductions in the charges would reduce this recovery further. This suggests that non-D.C. costs over the forecast period will total \$351 million. As part of the D.C. background study process we have undertaken an assessment of the D.C. revenue foregone that would occur based on current exemptions and reduction policies. This analysis suggests that the shortfall in D.C. revenue as a result of these policies would total \$95 million over the forecast period or 41% of D.C. recoverable costs ¹.

This report has undertaken a calculation of charges based on the anticipated development summarized in Table ES-1 and the future identified needs (presented in Table ES-2). Charges have been provided on an area-specific basis for water and wastewater services and a County-wide basis for all other services (Library services are not applicable in Woodstock). The corresponding County-wide and area-specific charges for a single and semi-detached unit are summarized in Table ES-3. These rates would be reduced by 20% during the first year of the by-laws as per the Bill 23 requirements to reduce the charge during the first four years of the by-laws. The schedule of charges per non-residential sq.m. of G.F.A. are presented in Table ES-4. In tables ES-3 and ES-4

¹ D.C. revenue foregone is based on statutory exemptions/reductions contained in the D.C.A. (including affordable housing exemptions that are not yet in effect) and exemption policies in the current D.C. by-laws.



the serviced area for the purpose of the area-specific charges is shown in parentheses.



Table ES-3
Summary of Residential of Development Charges per Single and Semi-Detached Dwelling Unit

Description	Woodstock	Tillsonburg	Ingersoll	Blandford-Blenheim (Plattsville)	Blandford-Blenheim (Drumbo)	East Zorra-Tavistock (Tavistock)	East Zorra-Tavistock (Innerkip)	Norwich (Norwich)	Zorra (Thamesford)	Zorra (Embro)	South-West Oxford (Mt. Elgin)
County-Wide Services	6,301	7,836	7,836	7,836	7,836	7,836	7,836	7,836	7,836	7,836	7,836
Area-Specific Services											
Water	3,322	6,377	5,777	5,102	2,372	7,298	111	3,894	3,561	2,673	3,387
Wastewater	3,497	1,273	8,908	6,671	30,915	32,967	16,052	5,999	9,101	7,687	11,676
Total County-Wide	6,301	7,836	7,836	7,836	7,836	7,836	7,836	7,836	7,836	7,836	7,836
Total with Water/Wastewater	13,120	15,487	22,521	19,609	41,123	48,101	23,999	17,730	20,498	18,196	22,899
Total County-Wide (Year 1, 80%)	5,041	6,269	6,269	6,269	6,269	6,269	6,269	6,269	6,269	6,269	6,269
Total with Water/Wastewater (Year 1, 80%)	10,496	12,390	18,017	15,687	32,898	38,481	19,199	14,184	16,399	14,557	18,320

Table ES-4
Summary of Non-Residential Development Charges per Non-Residential sq.m. of G.F.A.

Description	Woodstock	Tillsonburg	Ingersoll	Blandford-Blenheim (Plattsville)	Blandford-Blenheim (Drumbo)	East Zorra-Tavistock (Tavistock)	East Zorra-Tavistock (Innerkip)	Norwich (Norwich)	Zorra (Thamesford)	Zorra (Embro)	South-West Oxford (Mt. Elgin)
County-Wide Services	15.59	16.44	16.44	16.44	16.44	16.44	16.44	16.44	16.44	16.44	16.44
Area-Specific Services											
Water	17.82	42.30	13.47	24.45	4.90	26.17	0.70	11.72	22.79	6.61	6.96
Wastewater	19.03	7.23	31.64	10.66	97.59	95.23	62.84	37.59	26.48	8.65	26.64
Total County-Wide	15.59	16.44	16.44	16.44	16.44	16.44	16.44	16.44	16.44	16.44	16.44
Total with Water/Wastewater	52.45	65.97	61.55	51.55	118.94	137.84	79.98	65.76	65.71	31.70	50.04
Total County-Wide (Year 1, 80%)	12.47	13.15	13.15	13.15	13.15	13.15	13.15	13.15	13.15	13.15	13.15
Total with Water/Wastewater (Year 1, 80%)	41.96	52.78	49.24	41.24	95.15	110.28	63.98	52.61	52.57	25.36	40.03

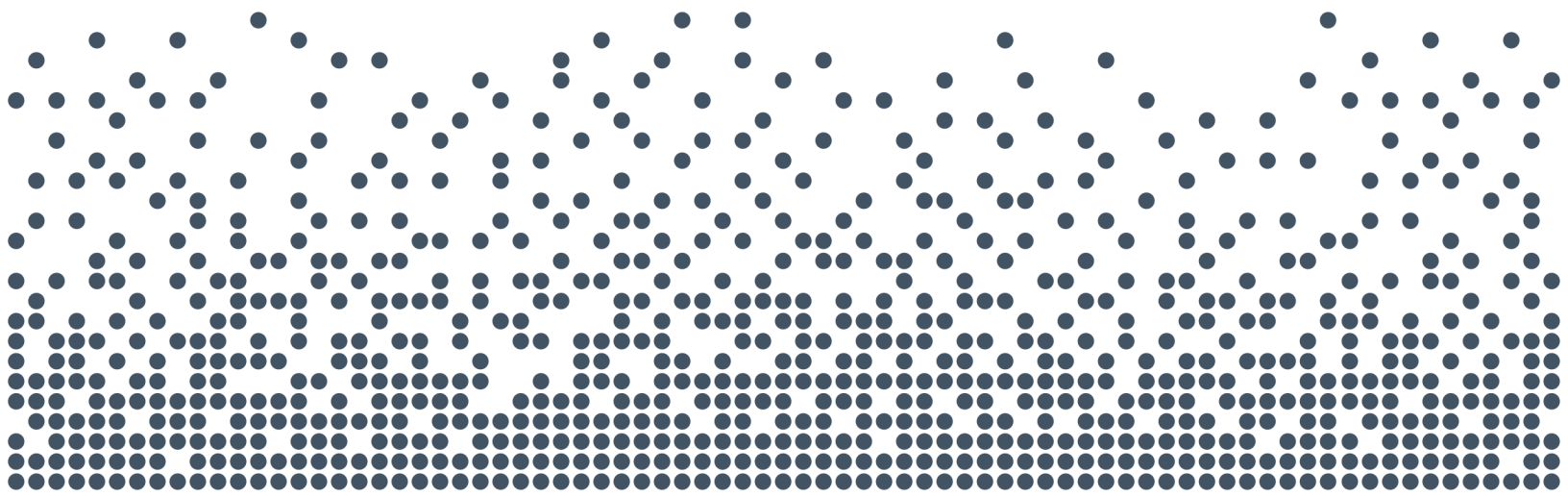


7. Chapter 7 outlines the D.C. by-law policy recommendations and rules as summarized below:

- Timing of Collection:
 - D.C.s to be calculated and payable at the time of building permit issuance
 - D.C.s for developments proceeding through Site Plan or Zoning By-law Amendment applications will be determined based on the charges in effect on the day of the application (charges to be frozen for a maximum period of two years after planning application approval)
 - Rental housing and institutional developments would pay D.C.s in six equal annual payments, commencing from the date of occupancy
- Statutory D.C. Exemptions:
 - Upper/Lower Tier Governments and School Boards
 - Development of lands intended for use by a university that received operating funds from the Government
 - Existing industrial building expansions (may expand by 50% with no D.C.)
 - Additional residential units in existing and new residential buildings
 - May add up to two apartments for a single detached, semi-detached or row house (only one unit can be in an ancillary structure)
 - One additional unit or 1% of the units in an existing rental residential building with four or more residential units
 - Non-profit housing
 - Inclusionary zoning affordable units
- D.C. Discounts for rental housing development based on dwelling unit type:
 - >2 bedrooms - 25% discount
 - 2 bedrooms - 20% discount
 - <2 bedrooms - 15% discount
- Mandatory reduction of the charge:
 - Year 1 – 80% of the maximum charge
 - Year 2 – 85% of the maximum charge



- Year 3 – 90% of the maximum charge
 - Year 4 – 95% of the maximum charge, and
 - Year 5 to expiry – 100% of the maximum charge
 - Non-Statutory Deductions:
 - Industrial uses;
 - Non-residential farm buildings (excluding bunk houses);
 - Places of worship;
 - Public hospitals;
 - Development in Central Business District and Entrepreneurial Areas;
 - Temporary buildings and structures;
 - Long-term care homes;
 - Affordable housing;
 - Temporary dwelling units; and
 - Private schools
 - Redevelopment credits provided where building permit issuance occurs within five years for conversion or demolitions of existing structures
 - Charges to be indexed annually on the date the by-law comes in to force, in accordance with the D.C.A.
8. Council will consider the findings and recommendations provided in the report and, in conjunction with public input, approve such policies and rates it deems appropriate. These directions will refine the draft D.C. by-law which is appended in Appendix E. These decisions may include:
- adopting the charges and policies recommended herein;
 - considering additional exemptions to the by-laws; and
 - considering reductions in the charge by class of development (e.g., obtained by removing certain services on which the charge is based and/or by a general reduction in the charge).



Development Charge Background Study



Chapter 1

Introduction



1. Introduction

1.1 Purpose of this Document

This background study has been prepared pursuant to the requirements of the Development Charges Act 1997 (s.10), and accordingly, recommends new Development Charges (D.C.s) and policies for the County of Oxford (County).

The County retained Watson & Associates Economists Ltd. (Watson) to undertake the D.C. study process. Watson worked with senior staff of the County in preparing this D.C. analysis and the policy recommendations. The study process was also undertaken with the County of Oxford and other area-municipalities¹ to allow for consistency in the methodology undertaken and the governing by-law policies, to the extent possible.

This D.C. background study, containing the proposed D.C. by-law, will be distributed to members of the public in order to provide interested parties with sufficient background information on the legislation, the study's recommendations, and an outline of the basis for these recommendations.

This report has been prepared, in the first instance, to meet the statutory requirements applicable to the County's D.C. background study, as summarized in Chapter 4. It also addresses the forecast amount, type, and location of growth (Chapter 3), the requirement for "rules" governing the imposition of the charges (Chapter 7), and the proposed by-law to be made available as part of the approval process (Appendix E).

In addition, the report is designed to set out sufficient background on the legislation and the policies underlying the proposed by-law, to make the exercise understandable to interested parties. Finally, the D.C. background study addresses post-adoption implementation requirements (Chapter 9) which are critical to the successful application of the new policy.

The chapters in the report are supported by appendices containing the data required to explain and substantiate the calculation of the charge. A full discussion of the statutory

¹ Coordinated review included the County of Oxford and all area municipalities with the exception of the City of Woodstock.



requirements for the preparation of a background study and calculation of a D.C. is provided herein.

Large data tables contained within the report can be provided in an accessible format upon request to the County.

1.2 Summary of the Process

A public meeting required under Section 12 of the D.C.A. has been scheduled for May 8, 2024, at least two weeks after the posting of the D.C. background study and draft D.C. by-law on the County's website. Its purpose is to present the background study and draft D.C. by-law to the public and to solicit public input on the matter. The public meeting is also being held to answer any questions regarding the study's purpose, methodology and the proposed D.C. by-law for the County.

In accordance with the legislation, the background study and proposed D.C. by-law will be available for public review at least 60 days prior to by-law passage.

The process to be followed in finalizing the report and recommendations includes:

- consideration of responses received prior to, at or immediately following the public meeting; and
- finalization of the report and Council consideration of the by-law subsequent to the public meeting.

Table 1-1 outlines the study process to date and the proposed schedule to be followed with respect to the D.C. by-law adoption process.

Table 1-1
Schedule of Key D.C. Process Dates

Process Steps	Dates
1. Project initiation meeting with Steering Committee	May 2023
2. Data collection and staff interviews	June 2023 to December 2023



Process Steps	Dates
3. Steering Committee discussion on D.C. By-Law implementation policies	August 29, 2023
4. Presentation of draft findings and D.C. policy discussion with municipal Staff	January 2023
5. Presentation of draft findings and by-law policies to D.C. Steering Committee	February 5, 2024
6. Presentation of draft findings and D.C. policies to Council	March 13, 2024
7. D.C. Background Study and draft D.C. by-law available to public	Before April 12, 2024
8. Public Meeting of Council	May 8, 2024
9. D.C. By-law passage (anticipated)	June 12, 2024
10. D.C. By-Law effective date	June 13, 2024
11. Newspaper notice given of by-law passage	By 20 days after passage
12. Last day for by-law appeal	40 days after passage
13. Municipality makes available D.C. pamphlet	by 60 days after in force date

1.3 Changes to the Development Charges Act, 1997

Since 2021, when the County last amended their D.C. by-laws, a number of changes to the Development Charges Act, 1997 have been introduced through various legislation including the following:

- More Homes for Everyone Act, 2022 (Bill 109)
- More Homes Built Fast Act, 2022 (Bill 23); and
- Affordable Homes and Good Jobs Act, 2023 (Bill 134).



The following provides an overview of the changes to the D.C.A. that each of these pieces of legislation provided.

1.3.1 More Homes for Everyone Act, 2022 (Bill 109)

On April 14, 2022, Bill 109 received Royal Assent. One of the changes of the Bill and Ontario Regulation (O. Reg.) 438/22 that took effect upon Royal Assent included amending the D.C.A. and O. Reg. 82/98 related to the requirements for the information which is to be included in the annual Treasurer's statement on D.C. reserve funds and the requirement for publication of the statement. The following additional information must be provided for each D.C. service being collected for during the year:

- a) whether, as of the end of the year, the municipality expects to incur the amount of capital costs that were estimated, in the relevant development charge background study, to be incurred during the term of the applicable development charge by-law;
- b) if the answer to a) is no, the amount the municipality now expects to incur and a statement as to why this amount is expected; and
- c) if no money was spent from the reserve fund during the year, a statement as to why there was no spending during the year.

The changes to the D.C.A. has also been amended to now require that the annual Treasurer's statement be made available to the public on the website of the municipality or, if there is no such website, in the municipal office.

1.3.2 More Homes Built Fast Act, 2022 (Bill 23)

On November 28, 2022, Bill 23 received Royal Assent. This Act amends a number of pieces of legislation including the *Planning Act* and the D.C.A. Subsequently the proposed exemptions for affordable units was further amended through Bill 134. The following provides a summary of the changes to the D.C.A.:

1.3.2.1 Additional Residential Unit Exemption

The rules for these exemptions are now provided in the D.C.A., rather than the regulations and are summarized as follows:



- Exemption for residential units in existing rental residential buildings – For rental residential buildings with four or more residential units, the greater of one unit or 1% of the existing residential units will be exempt from D.C.
- Exemption for additional residential units in existing and new residential buildings – The following developments will be exempt from a D.C.:
 - A second unit in a detached, semi-detached, or rowhouse if all buildings and ancillary structures cumulatively contain no more than one residential unit;
 - A third unit in a detached, semi-detached, or rowhouse if no ancillary buildings or structures contain any residential units; and
 - One residential unit in a building or structure ancillary to a detached, semi-detached, or rowhouse on a parcel of land, if the detached, semi-detached, or rowhouse contains no more than two residential units and no other buildings or ancillary structures contain any residential units.
 - Bill 97 (*The Helping Homebuyers, Protecting Tenants Act*), extended the mandatory exemption from payment of D.C.s for addition residential units new residential buildings or in existing houses to all lands versus just urban lands.

1.3.2.2 *Removal of Housing as an Eligible D.C. Service*

Housing services is removed as an eligible service. Municipalities with by-laws that include a charge for housing services can no longer collect for this service.

1.3.2.3 *New Statutory Exemptions for Affordable Units, Attainable Units, and Inclusionary Zoning Units*

Affordable units, attainable units, inclusionary zoning units and non-profit housing developments will be exempt from the payment of D.C.s, as follows:

- Affordable Rental Units:
 - The rent is no greater than the lesser of,
 - the income-based affordable rent for the residential unit set out in the Affordable Residential Units bulletin, as identified by the Minister of Municipal Affairs and Housing in accordance with subsection (5), and
 - the average market rent identified for the residential unit set out in the Affordable Residential Units bulletin.



- Affordable Owned Units:
 - The price of the residential unit is no greater than the lesser of,
 - the income-based affordable purchase price for the residential unit set out in the Affordable Residential Units bulletin, as identified by the Minister of Municipal Affairs and Housing in accordance with subsection (6), and
 - 90 per cent of the average purchase price identified for the residential unit set out in the Affordable Residential Units bulletin.
- Attainable Units: Excludes affordable units and rental units; will be defined as prescribed development or class of development and sold to a person who is at “arm’s length” from the seller.
 - Note: for affordable and attainable units, the municipality shall enter into an agreement that ensures the unit remains affordable or attainable for 25 years. Also exemptions for affordable and attainable units will come into effect on a day to be named by proclamation of the Lieutenant Governor.
- Inclusionary Zoning Units: Affordable housing units required under inclusionary zoning by-laws are exempt from a D.C.

1.3.2.4 New Statutory Exemption for Non-Profit Housing

Non-profit housing development has been removed from the instalment payment section of the Act (section 26.1), as these units are now exempt from the payment of D.C.s.

1.3.2.5 Rental Housing Discount

The D.C. payable for rental housing development will be reduced based on the number of bedrooms in each unit as follows:

- Three or more bedrooms – 25% reduction;
- Two bedrooms – 20% reduction; and
- All other bedroom quantities – 15% reduction.

1.3.2.6 Historical Level of Service extended to 15-year period instead of the historical 10-year period

Prior to Royal Assent of Bill 23, the increase in need for service was limited by the average historical level of service calculated over the 10-year period preceding the



preparation of the D.C. background study. This average historical level of service is now extended to the historical 15-year period.

1.3.2.7 Revised Definition of Capital Costs

The definition of capital costs has been revised to remove studies. Further, the regulations to the Act will prescribe services for which land or an interest in land will be restricted. As at the time of writing, no services have been prescribed for this purpose.

1.3.2.8 Mandatory Phase-in of a D.C.

For all D.C. by-laws passed after January 1, 2022, the charge must be phased-in annually over the first five years the by-law is in force, as follows:

- Year 1 – 80% of the maximum charge;
- Year 2 – 85% of the maximum charge;
- Year 3 – 90% of the maximum charge;
- Year 4 – 95% of the maximum charge; and
- Year 5 to expiry – 100% of the maximum charge.

1.3.2.9 D.C. By-law Expiry

A D.C. by-law now expires ten years after the day it comes into force (unless the by-law provides for an earlier expiry date). This extends the by-law's maximum life from what was previously five years.

1.3.2.10 Maximum Interest Rate for Instalments and Determination of Charge for Eligible Site Plan and Zoning By-law Amendment Applications

The Act allows interest to be charged on D.C.s calculated at the time of Site Plan or Zoning By-law Amendment applications (S.26.2 of the Act) and for mandatory installment payments (S. 26.1 of the Act). No maximum interest rate was previously prescribed, which allowed municipalities to choose the interest rate to impose. As per Bill 23, the maximum interest rate is set at the average prime rate plus 1%. This maximum interest rate provision would apply to all instalment payments and eligible site plan and zoning by-law amendment applications occurring after November 28, 2022.



1.3.2.11 Requirement to Allocate Funds Received

Annually, beginning in 2023, municipalities will be required to spend or allocate at least 60% of the monies in a reserve fund at the beginning of the year for water services, wastewater services, and services related to a highway. Other services may be prescribed by the regulation.



Chapter 2

Current County of Oxford D.C. Policy



2. Current County of Oxford D.C. Policy

2.1 By-law Enactment

The County adopted their current D.C. by-laws on June 26, 2019, which provides for County-wide and area-specific D.C.s to be imposed. These by-laws will expire on June 26, 2024 and the following sections review the current D.C. policies within the by-laws.

2.2 Services Covered

The following County-wide services are included under current by-laws:

- Services related to a highway (including municipal works facilities, fleet and equipment);
- Ambulance services;
- Administration Studies;
- Waste diversion services; and
- Library services (not imposed in the City of Woodstock).

The following services are calculated base on a 10-year area specific forecast:

- Water services; and
- Wastewater services.

2.3 Timing of D.C. Calculation and Payment

Calculation and payment of D.C.s are due and payable at the time of building permit issuance for the development. The D.C.A. also allow the County to enter into alternative payment agreements with owners.

2.4 Indexing

The by-laws provide for annual indexing of the charges on April 1st of each year. Table 2-1 provides the charges currently in effect as of April 1, 2024, for residential and non-residential development types, as well as the breakdown of the charges by service.



Table 2-1
County of Oxford
2024 Development Charges

Service Component	RESIDENTIAL DWELLINGS ¹				NON-RESIDENTIAL	
	Single Detached & Semi Detached	APARTMENTS		Other Multiples	\$/sq m of Floor Area	Per Wind Turbine
		2-Bedroom & Larger	Bachelor & 1-Bedroom			
Growth-Related Studies	151	80	55	94	0.55	151
Land Ambulance	482	257	173	302	1.87	482
Roads and Related	3,894	2,075	1,405	2,447	15.01	3,894
Waste Diversion	46	24	16	31	0.22	-
Library Service ¹	638	340	230	401	0.58	-
Total	5,211	2,776	1,879	3,275	18.23	4,527

1. The charge for library service is not applicable in Woodstock

Area	Service	RESIDENTIAL DWELLINGS				NON-RESIDENTIAL
		Single Detached & Semi Detached	2-Bedroom & Larger	Bachelor & 1-Bedroom	Other Multiples	\$/sq m of Floor Area
Woodstock	Water	2,491	1,327	899	1,565	9.83
	Wastewater	4,488	2,392	1,617	2,819	17.23
Tillsonburg	Water	2,283	1,217	822	1,433	10.66
	Wastewater	6,879	3,666	2,480	4,321	32.09
Ingersoll	Water	1,997	1,066	722	1,255	6.65
	Wastewater	7,946	4,237	2,866	4,991	26.42
Thamesford	Water	8,997	4,797	3,244	5,652	29.88
	Wastewater	-	-	-	-	-
Norwich	Water	2,401	1,281	866	1,509	8.50
	Wastewater	11,339	6,045	4,090	7,124	40.16
Tavistock	Water	1,733	925	626	1,091	6.10
	Wastewater	15,556	8,294	5,609	9,774	54.63
Plattsville	Water	7,931	4,229	2,859	4,982	37.02
	Wastewater	20,617	10,990	7,437	12,953	96.23
Drumbo	Water	-	-	-	-	-
	Wastewater	5,883	3,138	2,122	3,697	15.01
Mt. Elgin	Water	8,458	4,509	3,050	5,314	24.47
	Wastewater	89	46	33	55	0.24

2.5 Redevelopment Credits

D.C. credits for residential and non-residential redevelopments, are provided for demolitions/conversions of development that pre-exists five years prior to the date of payment of the D.C.



2.6 Area to Which the By-law Applies and Exemptions

The current by-laws provide for the following statutory exemptions, including those that have been revised or introduced since the time of by-law passage:

- Upper/Lower Tier Governments and School Boards
- Development of lands intended for use by a university that received operating funds from the Government
- Existing industrial building expansions (may expand by 50% with no D.C.)
- Additional residential units in existing and new residential buildings
 - May add up to two apartments for a single detached, semi-detached or row house (only one unit can be in an ancillary structure)
 - One additional unit or 1% of the units in an existing rental residential building with four or more residential units
- Non-profit housing
- Inclusionary zoning affordable units
- D.C. Discounts for rental housing development based on dwelling unit type:
 - >2 bedrooms - 25% discount
 - 2 bedrooms - 20% discount
 - <2 bedrooms - 15% discount

The D.C. by-laws also provide non-statutory exemptions from payment of D.C.s with respect to:

- Industrial uses;
- Non-residential farm buildings;
- Places of worship;
- Public hospitals;
- Development in Central Business District and Entrepreneurial Areas;
- Temporary buildings and structures;
- Long-term care homes;
- Affordable housing;
- Temporary dwelling units; and
- Private schools.



Chapter 3

Anticipated Development in the County of Oxford



3. Anticipated Development in the County of Oxford

The growth forecast contained in this chapter (with supplemental tables in Appendix A) provides for the anticipated development for which the County will be required to provide services over a 10-year (2024 to 2034) time horizon.

Chapter 4 provides the methodology for calculating a D.C. as per the D.C.A. Figure 4-1 presents this methodology graphically. It is noted in the first box of the schematic that in order to determine the D.C. that may be imposed, it is a requirement of subsection 5 (1) of the D.C.A. that “the anticipated amount, type and location of development, for which development charges can be imposed, must be estimated.”

3.1 Basis of Population, Household and Non-Residential Gross Floor Area Forecast

The D.C. growth forecast has been derived by Watson. In preparing the growth forecast, the following information sources were consulted to assess the residential and non-residential development potential for the County over the forecast period, including:

- County of Oxford 2019 Development Charges Background Study, April 29, 2019, Watson & Associates Economists Ltd.
- Oxford County Phase One Comprehensive Review; March 2020, Hemson Consulting Ltd.
- 2011, 2016 and 2021 population, household and employment Census data;
- Historical residential building permit data over the 2013 to June 2023 year-to-date period;
- Residential and non-residential supply opportunities as identified by County of Oxford staff; and
- Discussions from County and area municipal staff regarding anticipated residential and non-residential development in the County of Oxford.

3.2 Summary of Growth Forecast

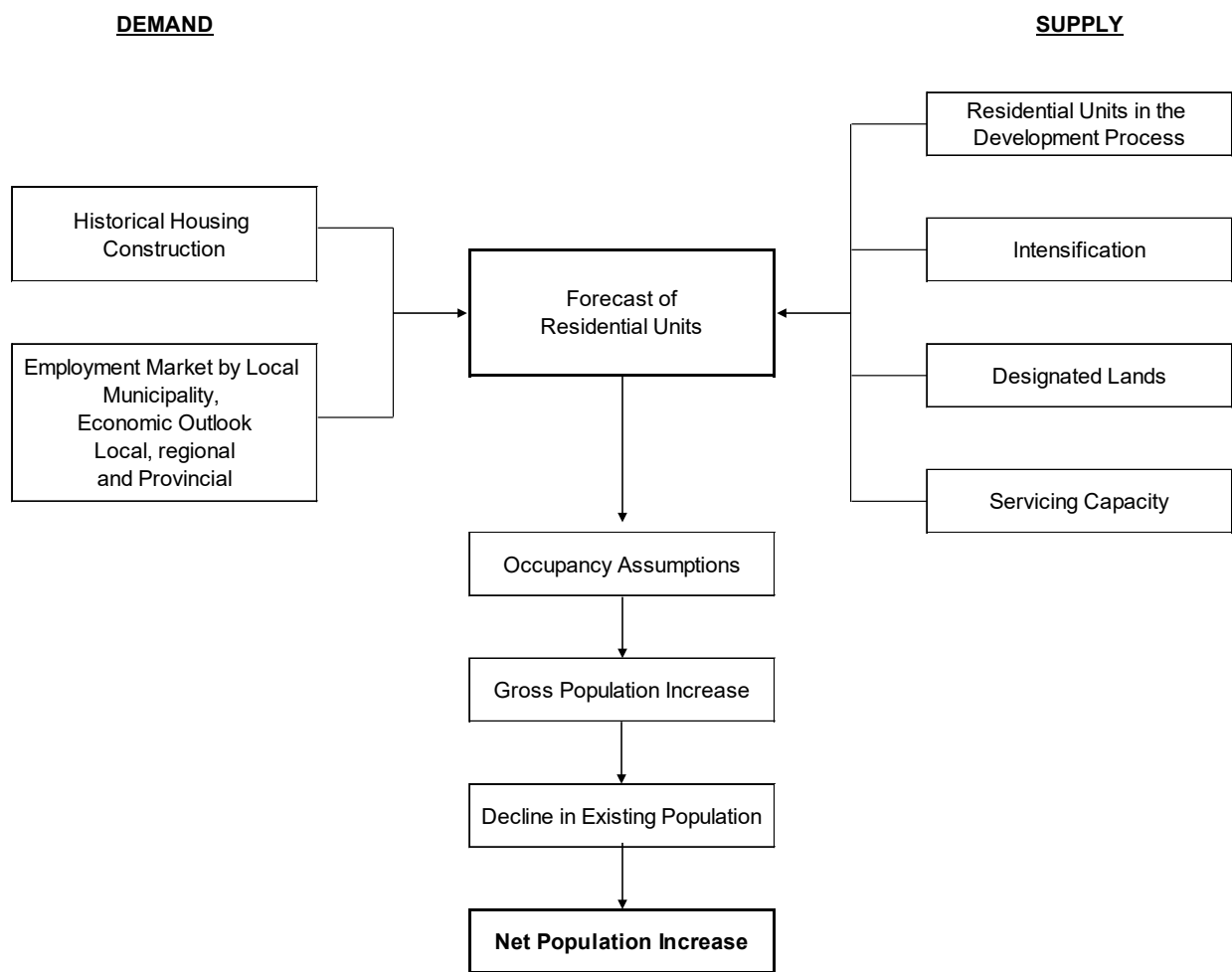
A detailed analysis of the residential and non-residential growth forecasts is provided in Appendix A and the methodology employed is illustrated in Figure 3-1. The discussion



provided herein summarizes the anticipated growth for the County and describes the basis for the forecast. The results of the residential growth forecast analysis are summarized in Table 3-1 below, and Schedule 1 in Appendix A.

As identified in Table 3-1 and Appendix A – Schedule 1, population in the County of Oxford (excluding census undercount) is anticipated to reach approximately 154,320 by 2034, resulting in an increase of approximately 25,780 persons, respectively. ^[1]

Figure 3-1
Population and Household Forecast Model



^[1] The population figures used in the calculation of the 2024 D.C. exclude the net Census undercount, which is estimated at approximately 2.9%. Population figures presented herein have been rounded.



**Table 3-1
County of Oxford
Residential Growth Forecast Summary**

	Year	Population (Including Census Undercount) ^[1]	Excluding Census Undercount			Housing Units					Person Per Unit (P.P.U.): Total Population/ Total Households	
			Population	Institutional Population	Population Excluding Institutional Population	Singles & Semi-Detached	Multiple Dwellings ^[2]	Apartments ^[3]	Other	Total Households		Equivalent Institutional Households
Historical	Mid 2011	108,760	105,719	1,609	104,110	32,463	3,133	5,453	505	41,554	1,463	2.544
	Mid 2016	114,060	110,862	1,707	109,155	34,275	3,465	6,185	335	44,260	1,552	2.505
	Mid 2021	125,080	121,580	1,526	120,054	36,468	3,989	7,030	321	47,808	1,387	2.543
Forecast	Mid 2024	132,240	128,541	1,618	126,923	37,888	4,896	7,682	321	50,787	1,471	2.531
	Mid 2034	158,760	154,320	2,031	152,289	44,740	7,195	10,471	321	62,727	1,846	2.460
Incremental	Mid 2011 - Mid 2016	5,300	5,143	98	5,045	1,812	332	732	-170	2,706	89	
	Mid 2016 - Mid 2021	11,020	10,718	-181	10,899	2,193	524	845	-14	3,548	-165	
	Mid 2021 - Mid 2024	7,160	6,961	92	6,869	1,420	907	652	0	2,979	84	
	Mid 2024 - Mid 2034	26,520	25,779	413	25,366	6,852	2,299	2,789	0	11,940	375	

[1] Population includes the Census undercount estimated at approximately 2.9% and has been rounded.

[2] Includes townhouses and apartments in duplexes.

[3] Includes bachelor, 1-bedroom, and 2-bedroom+ apartment units.

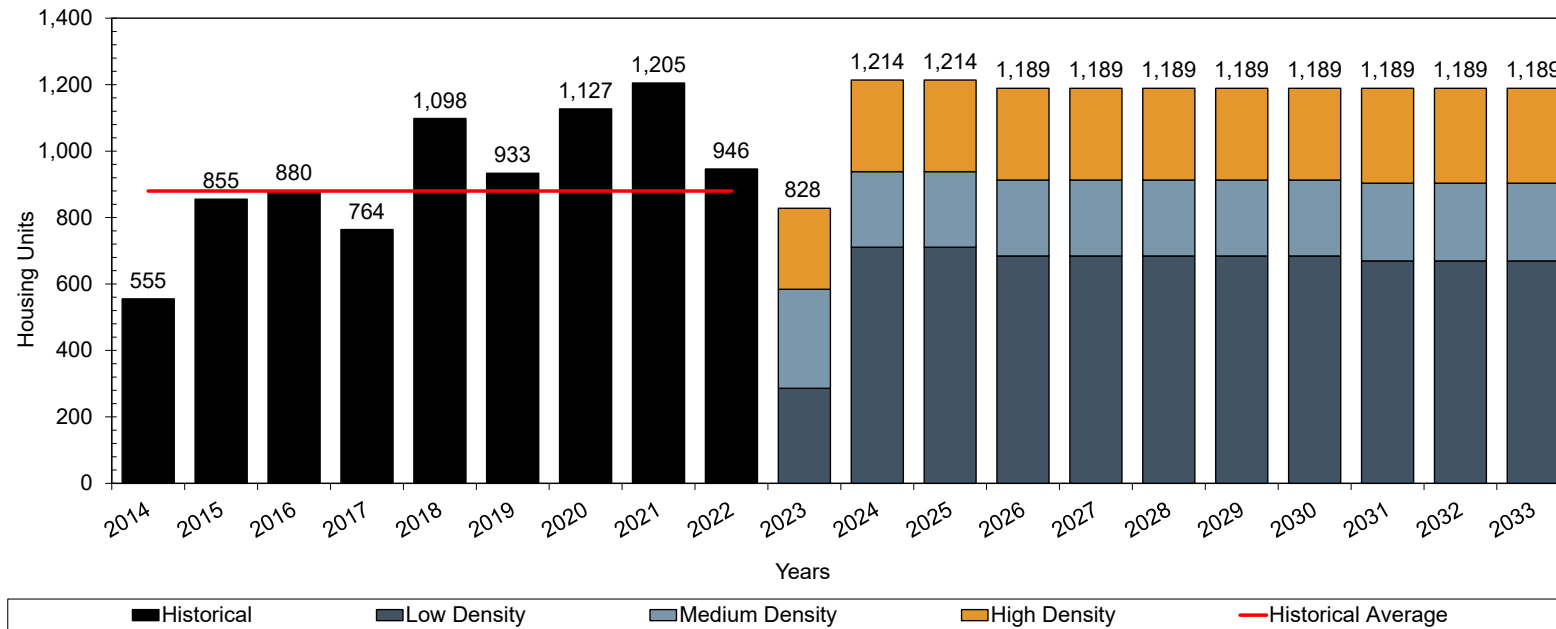
Notes:

Numbers may not add due to rounding.

Source: Watson & Associates Economists Ltd.



Figure 3-2
County of Oxford
Annual Housing Forecast ^[1]



^[1] Growth forecast represents calendar year.

Source: Historical housing activity derived from County of Oxford building permit data, 2013 to 2022, and 2023 estimated based on June-2023 year-to-date building permit data by Watson & Associates Economists Ltd.



Provided below is a summary of the key assumptions and findings regarding the County of Oxford D.C. growth forecast:

1. Unit Mix (Appendix A – Schedules 1 and 5)

- The housing unit mix for the County was derived from a detailed review of historical development activity (as per Schedule 5), as well as active residential development applications and discussions with County staff regarding anticipated development trends for the County of Oxford.
- Based on the above indicators, the 2024 to 2034 household growth forecast for the County is comprised of a unit mix of 58% low density units (single detached and semi-detached), 19% medium density (multiples except apartments) and 23% high density (bachelor, 1-bedroom and 2-bedroom apartments).

2. Geographic Location of Residential Development (Appendix A – Schedule 2a and 2b)

- Schedule 2a summarizes the anticipated amount, type, and location of development by area for the County of Oxford.
- In accordance with forecast demand and available land supply, the amount and percentage of forecast housing growth between 2024 and 2034 by development location is summarized below.

Table 3-2
County of Oxford
Geographic Location of Residential Development

Development Location	Amount of Housing Growth, 2024 to 2034	Percentage of Housing Growth, 2024 to 2034
City of Woodstock	5,165	43%
Town of Tillsonburg	2,670	22%
Town of Ingersoll	1,145	11%
Township of Blandford-Blenheim	445	4%



Development Location	Amount of Housing Growth, 2024 to 2034	Percentage of Housing Growth, 2024 to 2034
Township of East Zorra-Tavistock	720	6%
Township of Norwich	685	7%
Township of South-West Oxford	355	3%
Township of Zorra	745	6%
County of Oxford	11,940	100%

Note: Figures may not sum precisely due to rounding.

3. Planning Period

- Short- and longer-term time horizons are required for the D.C. process. The D.C.A. limits the planning horizon for transit services to a 10-year planning horizon. All other services can utilize a longer planning period if the municipality has identified the growth-related capital infrastructure needs associated with the longer-term growth planning period.

4. Population in New Units (Appendix A – Schedules 3 and 4

- The number of housing units to be constructed by 2034 in the County of Oxford over the forecast period is presented in Table 3-1. Over the 2024 to 2034 forecast period, the County is anticipated to average approximately 1,195 new housing units per year.
- Institutional population ^[1] is anticipated to increase by approximately 410 people between 2024 to 2034.
- Population in new units is derived from Schedules 3 and 4, which incorporate historical development activity, anticipated units (see unit mix discussion) and average persons per unit (P.P.U.) by dwelling type for new units.

^[1] Institutional population largely includes special care facilities such as nursing home or residences for senior citizens. A P.P.U. of 1.100 depicts 1-bedroom and 2-or-more-bedroom units in collective households.



- Schedule 6a summarizes the average P.P.U. assumed for new housing units by age and type of dwelling based on Statistics Canada 2021 custom Census data for the County of Oxford. The total calculated P.P.U. for all density types has been adjusted accordingly to account for the P.P.U. trends which has been recently experienced in both new and older units. Forecasted 15-year average P.P.U.s by dwelling type are as follows:
 - Low density: 3.120
 - Medium density: 2.209
 - High density: 1.465

5. Existing Units and Population Change (Appendix A – Schedules 3 and 4)

- Existing households for mid-2024 are based on the 2021 Census households, plus estimated residential units constructed between mid-2021 to the beginning of the growth period, assuming a minimum six-month lag between construction and occupancy (see Schedule 3).
- The change in average occupancy levels for existing housing units is calculated in Schedules 3 through 4.^[1] The forecast population change in existing households over the 2024 to 2034 forecast period is forecast to decline by approximately 5,180.

6. Employment (Appendix A – Schedules 8a, 8b, 8c and 8d)

- The employment projections provided herein are largely based on the activity rate method, which is defined as the number of jobs in the County divided by the number of residents. Key employment sectors include primary, industrial, commercial/population-related, institutional, and work at home, which are considered individually below.

^[1] Change in occupancy levels for existing households occurs due to aging of the population and family life cycle changes, lower fertility rates and changing economic conditions.



- 2016 employment data ^{[1],[2]} (place of work) for the County of Oxford is outlined in Schedule 8a. The 2016 employment base is comprised of the following sectors:
 - 1,365 primary (3%);
 - 4,800 work at home employment (9%);
 - 23,308 industrial (45%);
 - 14,468 commercial/population-related (28%); and
 - 7,675 institutional (15%).
- The 2016 employment by usual place of work, including work at home, is 51,615. An additional 5,740 employees have been identified for the County of Oxford in 2016 that have no fixed place of work (N.F.P.O.W.).^[3]
- Total employment, including work at home and N.F.P.O.W. for the County of Oxford is anticipated to reach approximately 78,670 by mid-2034. This represents an employment increase of approximately 12,790 for the 10-year forecast period.
- Schedule 8b, Appendix A, summarizes the employment forecast, excluding work at home employment and N.F.P.O.W. employment, which is the basis for the D.C. employment forecast. The impact on municipal services from work at home employees has already been included in the population forecast. The need for municipal services related to N.F.P.O.W. employees has largely been included in the employment forecast by usual place of work (i.e., employment and gross floor area generated from N.F.P.O.W. construction employment). Furthermore, since these employees have no fixed work address, they cannot be captured in the non-residential G.F.A. calculation. Accordingly, work at home and N.F.P.O.W. employees have been removed from the D.C.A. employment forecast and calculation.

^[1] 2016 employment is based on Statistics Canada 2016 Place of Work Employment dataset by Watson & Associates Economists Ltd.

^[2] Statistics Canada 2021 Census place of work employment data has been reviewed. The 2021 Census employment results have not been utilized due to a significant increase in work at home employment captured due to Census enumeration occurring during the provincial COVID-19 lockdown from April 1, 2021 to June 14, 2021.

^[3] No fixed place of work is defined by Statistics Canada as "persons who do not go from home to the same workplace location at the beginning of each shift. Such persons include building and landscape contractors, travelling salespersons, independent truck drivers, etc."



- Total employment for the County of Oxford (excluding work at home and N.F.P.O.W. employment) is anticipated to reach approximately 62,730 by mid-2034. This represents an employment increase of approximately 10,100 for the 10-year forecast period. ^[1]

7. Non-Residential Sq.ft. Estimates (G.F.A.), Appendix A – Schedule 8b)

- Square footage estimates were calculated in Schedule 8b based on the following employee density assumptions:
 - 1,735 sq.ft. per employee for industrial;
 - 503 sq.ft. per employee for commercial/population-related; and
 - 680 sq.ft. per employee for institutional employment.
- The County-wide incremental G.F.A. is anticipated to increase by 11.4 million sq.ft. over the 10-year forecast period.
- In terms of percentage growth, the 2024 to 2034 incremental G.F.A. forecast by sector is broken down as follows:
 - Industrial – 76%;
 - commercial/population-related – 15%; and
 - institutional – 9%.

8. Geographic Location of Non-Residential Development (Appendix A, Schedule 8c)

- Schedule 8c summarizes the anticipated amount, type and location of non-residential development by servicing area for the County of Oxford by area.
- The amount and percentage of forecast total non-residential growth between 2024 and 2034 by development location is summarized below.

^[1] G.F.A. and employment associated within special care institutional dwellings treated as residential, resulting in an institutional employment difference between Schedules 8a and 8b. Total employment growth in Schedule 8b (excluding work at home and N.F.P.O.W. employment) has been downwardly adjusted to account for institutional employment associated with special care facilities. Total employment in Schedule 8b is anticipated to reach approximately 62,540 by mid-2034.



Table 3-3
County of Oxford
Geographic Location of Non-Residential Development

Development Location	Amount of Non-Residential G.F.A. (sq.ft.), 2024 to 2034	Percentage of Non-Residential G.F.A., 2024 to 2034
City of Woodstock	5,677,400	50%
Town of Tillsonburg	1,597,000	14%
Town of Ingersoll	2,147,800	19%
Township of Blandford-Blenheim	1,083,500	10%
Township of East Zorra-Tavistock	264,100	2%
Township of Norwich	247,600	2%
Township of South-West Oxford	138,300	1%
Township of Zorra	163,200	1%
County of Oxford	11,318,900	100%

Note: Figures may not sum precisely due to rounding.



Chapter 4

The Approach to the Calculation of the Charge



4. The Approach to the Calculation of the Charge

4.1 Introduction

This chapter addresses the requirements of subsection 5 (1) of the D.C.A. with respect to the establishment of the need for service which underpins the D.C. calculation. These requirements are illustrated schematically in Figure 4-1.

4.2 Services Potentially Involved

Table 4-2 lists the full range of municipal services that are provided by the County.

A number of these services are not listed as eligible services for inclusion in a D.C. by-law as per subsection 2 (4) of the D.C.A. These are shown as “ineligible” on Table 4-2. Two ineligible costs defined in subsection 5 (3) of the D.C.A. are “computer equipment” and “rolling stock with an estimated useful life of (less than) seven years.” Furthermore, studies are also no longer an eligible capital cost. In addition, local roads are covered separately under subdivision agreements and related means (as are other local services). Services which are potentially eligible for inclusion in the County’s D.C. are indicated with a “Yes.”

4.3 Increase in the Need for Service

The D.C. calculation commences with an estimate of “the increase in the need for service attributable to the anticipated development,” for each service to be covered by the by-law. There must be some form of link or attribution between the anticipated development and the estimated increase in the need for service. While the need could conceivably be expressed generally in terms of units of capacity, subsection 5 (1) 3, which requires that Council indicate that it intends to ensure that such an increase in need will be met, suggests that a project-specific expression of need would be most appropriate.



Figure 4-1
The Process of Calculating a Development Charge under the Act that must be followed

The Process of Calculating a Development Charge under the Act that must be followed

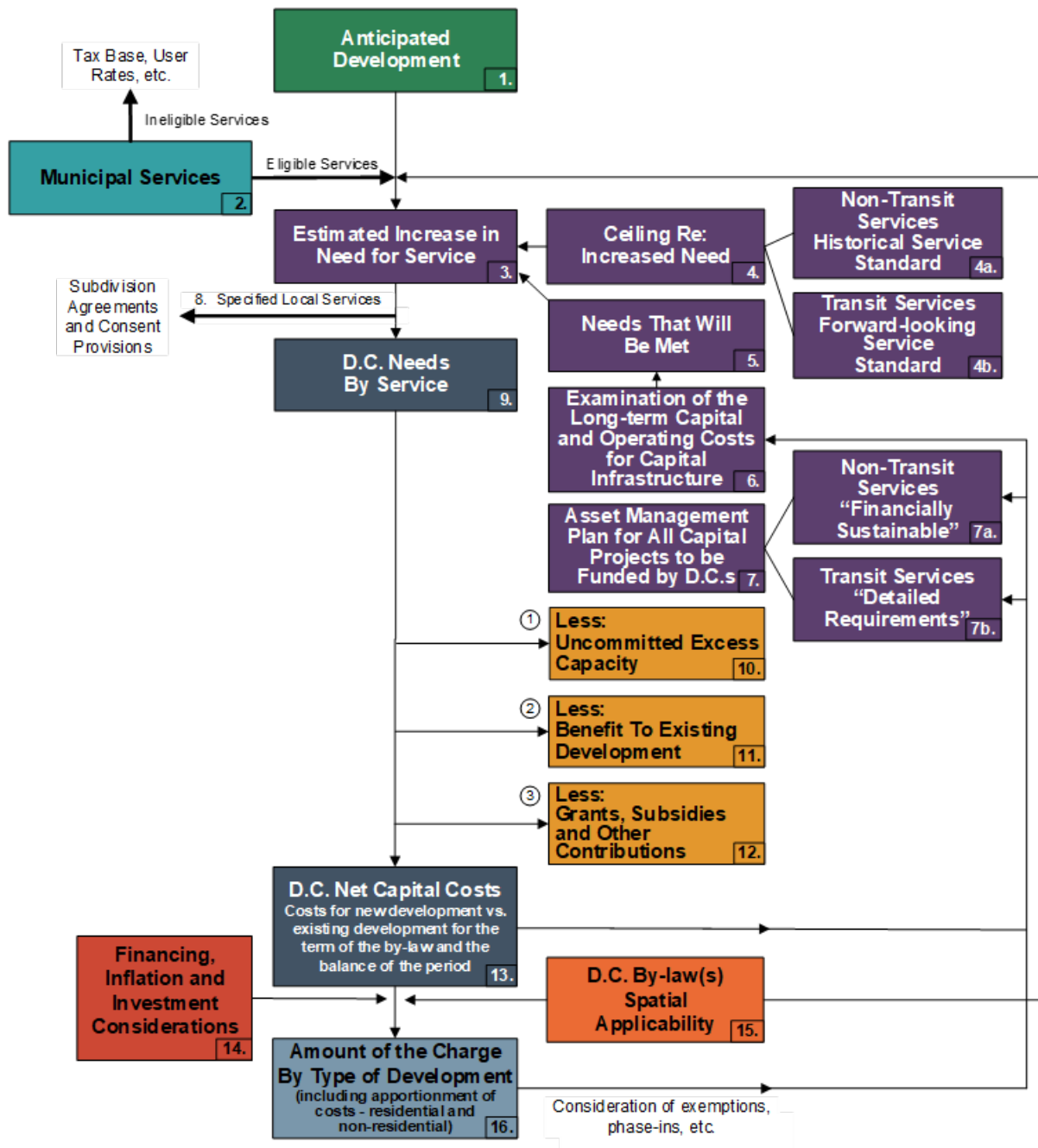




Table 4-1
Categories of Municipal Services to be Addressed as Part of the Calculation – Eligibility Legend

Eligibility for Inclusion in the D.C. Calculation	Description
Yes	Municipality provides the service – service has been included in the D.C. calculation.
No	Municipality provides the service – service has not been included in the D.C. calculation.
n/a	Municipality does not provide the service.
Ineligible	Service is ineligible for inclusion in the D.C. calculation.

Table 4-2
Categories of Municipal Services to be Addressed as Part of the Calculation

Categories of Municipal Services	Inclusion in the D.C. Calculation	Service Components
1. Water supply services, including distribution and treatment services	Yes	1.1 Treatment plants
	Yes	1.2 Distribution systems
	n/a	1.3 Local systems
	No	1.4 Vehicles and equipment ¹
2. Wastewater services, including sewers and treatment services	Yes	2.1 Treatment plants
	Yes	2.2 Sewage trunks
	n/a	2.3 Local systems
	No	2.4 Vehicles and equipment ¹
3. Stormwater Drainage and Control Services	Yes	3.1 Main channels and drainage trunks
	Yes	3.2 Channel connections
	No	3.3 Retention/detention ponds

¹ with a 7+ year useful life



Categories of Municipal Services	Inclusion in the D.C. Calculation	Service Components
4. Services Related to a Highway	Yes	4.1 Arterial roads
	Yes	4.2 Collector roads
	Yes	4.3 Bridges, Culverts and Roundabouts
	No	4.4 Local municipal roads
	Yes	4.5 Traffic signals
	Yes	4.6 Sidewalks and streetlights
	Yes	4.7 Active Transportation
	Yes	4.8 Works Yard
	Yes	4.9 Rolling stock ¹
5. Electrical Power Services	n/a	5.1 Electrical substations
	n/a	5.2 Electrical distribution system
	n/a	5.3 Electrical system rolling stock ¹
6. Transit Services	n/a	6.1 Transit vehicles ¹ & facilities
	n/a	6.2 Other transit infrastructure
7. Waste Diversion Services	Yes	7.1 Waste diversion facilities
	Yes	7.2 Waste diversion vehicles and equipment ¹
8. Policing Services	n/a	8.1 Police detachments
	n/a	8.2 Police rolling stock ¹
	n/a	8.3 Small equipment and gear
9. Fire Protection Services	n/a	9.1 Fire stations
	n/a	9.2 Fire Vehicles ¹
	n/a	9.3 Fire Equipment and gear
10. Ambulance Services	Yes	10.1 Ambulance station space
	Yes	10.2 Vehicles ¹
11. Services provided by a board within the meaning of the <i>Public Libraries Act</i>	Yes	11.1 Public library space (incl. furniture and equipment)
	n/a	11.2 Library vehicles ¹
	Yes	11.3 Library materials
12. Services Related to Long-Term Care	Yes	12.1 Long-Term Care space
	No	12.2 Vehicles ¹

¹ with a 7+ year useful life



Categories of Municipal Services	Inclusion in the D.C. Calculation	Service Components
13. Parks and Recreation Services	Ineligible n/a n/a n/a n/a	13.1 Acquisition of land for parks, woodlots and E.S.A.s 13.2 Development of municipal parks 13.3 Parks rolling stock ¹ and yards 13.4 Facilities, such as arenas, indoor pools, fitness facilities, community centres, etc. 13.5 Recreation vehicles and equipment ¹
14. Services Related to Public Health	No No	14.1 Public Health department space 14.2 Public Health department vehicles ¹
15. Child Care and Early Years Programs and Services within the meaning of Part VI of the <i>Child Care and Early Years Act, 2014</i> and any related services.	No No	15.1 Childcare space 15.2 Vehicles ¹
16. Services related to proceedings under the <i>Provincial Offences Act, including by-law enforcement services and municipally administered court services</i>	No No	16.1 P.O.A. space, including by-law enforcement and municipally administered court services 16.2 Vehicles ¹
17. Services Related to Emergency Preparedness	No No	17.1 Emergency Preparedness Space 17.2 Equipment
18. Services Related to Airports	n/a Ineligible	18.1 Airports (in the Regional Municipality of Waterloo) 18.2 Other Airports
19. Other	Yes	19.1 Interest on money borrowed to pay for growth-related capital

¹ with a 7+ year useful life



4.4 Local Service Policy

Some of the need for services generated by additional development consists of local services related to a plan of subdivision. As such, they will be required as a condition of subdivision agreements or consent conditions. The County's Local Service Policy has been approved by County Council as a separate policy document.

4.5 Capital Forecast

Paragraph 7 of subsection 5 (1) of the D.C.A. requires that “the capital costs necessary to provide the increased services must be estimated.” The Act goes on to require potential cost reductions and the regulation sets out the way in which such costs are to be presented. These requirements are outlined below.

These estimates involve capital costing of the increased services discussed above. This entails costing actual projects or the provision of service units, depending on how each service has been addressed.

The capital costs include:

- a) costs to acquire land or an interest therein (including a leasehold interest);
- b) costs to improve land;
- c) costs to acquire, lease, construct or improve buildings and structures;
- d) costs to acquire, lease or improve facilities, including rolling stock (with a useful life of 7 or more years), furniture and equipment (other than computer equipment), materials acquired for library circulation, reference, or information purposes; and
- e) interest on money borrowed to pay for the above-referenced costs.

In order for an increase in need for service to be included in the D.C. calculation, municipal Council must indicate “that it intends to ensure that such an increase in need will be met” (subsection 5 (1) 3). This can be done if the increase in service forms part of a Council-approved Official Plan, capital forecast, or similar expression of the intention of Council (O. Reg. 82/98 section 3). The capital program contained herein reflects the County's approved and proposed capital budgets and master servicing/needs studies.



4.6 Treatment of Credits

Section 8, paragraph 5, of O. Reg. 82/98 indicates that a D.C. background study must set out “the estimated value of credits that are being carried forward relating to the service.” Subsection 17, paragraph 4, of the same regulation indicates that, “...the value of the credit cannot be recovered from future D.C.s,” if the credit pertains to an ineligible service. This implies that a credit for eligible services can be recovered from future D.C.s. As a result, this provision should be made in the calculation, in order to avoid a funding shortfall with respect to future service needs.

The County has no outstanding D.C. credit obligations.

4.7 Eligible Debt and Committed Excess Capacity

Section 66 of the D.C.A. states that for the purposes of developing a D.C. by-law, a debt incurred with respect to an eligible service may be included as a capital cost, subject to any limitations or reductions in the Act. Similarly, s.18 of O. Reg. 82/98 indicates that debt with respect to an ineligible service may be included as a capital cost, subject to several restrictions.

In order for such costs to be eligible, two conditions must apply. First, they must have funded excess capacity which is able to meet service needs attributable to the anticipated development. Second, the excess capacity must be “committed,” that is, either before or at the time it was created, Council must have expressed a clear intention that it would be paid for by D.C.s or other similar charges. For example, this may have been done as part of previous D.C. processes.

4.8 Existing Reserve Funds

Section 35 of the D.C.A. states that:

“The money in a reserve fund established for a service may be spent only for capital costs determined under paragraphs 2 to 8 of subsection 5(1).”

There is no explicit requirement under the D.C.A. calculation method set out in s.s.5(1) to net the outstanding reserve fund balance as part of making the D.C. calculation; however, s.35 does restrict the way in which the funds are used in future.



The County D.C. Reserve Funds balances, by service, are presented in Table 4-3 below. 2022 year-end reserve fund balances have been adjusted to account for eligible and actual reserve fund draws and commitments occurring over the 2019 to 2023 period. Furthermore, the reserve funds have also been adjusted to account for actual 2023 D.C. revenues. These balances have been applied against future spending requirements for all services.



Table 4-3
County of Oxford
Estimated D.C. Reserve Funds Balances

Service	Totals
Services Related to a Highway	(\$3,036,603)
Library	\$521,344
Long-term Care Facilities	\$0
Ambulance	\$514,908
Waste Diversion	\$48,942
Water Services - Woodstock	(\$386,661)
Wastewater Services - Woodstock	\$4,815,422
Water Services - Tillsonburg	\$709,140
Wastewater Services - Tillsonburg	\$4,114,697
Water Services - Ingersoll	(\$774,366)
Wastewater Services - Ingersoll	(\$1,214,644)
Water Services - Plattsville	(\$339,452)
Wastewater Services - Plattsville	(\$770,865)
Water Services - Drumbo	\$7,444
Wastewater Services - Drumbo	(\$6,440,821)
Water Services - Tavistock	\$592,991
Wastewater Services - Tavistock	(\$152,476)
Water Services - Norwich	\$118,713
Wastewater Services - Norwich	\$4,045,335
Water Services - Thamesford	\$1,185,778
Wastewater Services -Thamesford	\$147,258
Water Services - Mount Elgin	\$162,970
Wastewater Services - Mount Elgin	(\$560)
Water Services - Innerkip	\$0
Wastewater Services - Innerkip	\$0
Water Services - Embro	\$0
Wastewater Services - Embro	\$0
Total	\$3,868,495

4.9 Deductions

The D.C.A. potentially requires that four deductions be made to the increase in the need for service. These relate to:

- the level of service ceiling;
- uncommitted excess capacity;
- benefit to existing development; and
- anticipated grants, subsidies, and other contributions.



The requirements behind each of these reductions are addressed as follows:

4.9.1 Reduction Required by Level of Service Ceiling

This is designed to ensure that the increase in need included in 4.3 does “...not include an increase that would result in the level of service (for the additional development increment) exceeding the average level of the service provided in the Municipality over the 15-year period immediately preceding the preparation of the background study...” O. Reg. 82.98 (s.4) goes further to indicate that, “...both the quantity and quality of a service shall be taken into account in determining the level of service and the average level of service.”

In many cases, this can be done by establishing a quantity measure in terms of units as floor area, land area or road length per capita, and a quality measure in terms of the average cost of providing such units based on replacement costs, engineering standards or recognized performance measurement systems, depending on circumstances. When the quantity and quality factors are multiplied together, they produce a measure of the level of service which meets the requirements of the Act, i.e., cost per unit.

The average service level calculation sheets for each service component in the D.C. calculation are set out in Appendix B.

4.9.2 Reduction for Uncommitted Excess Capacity

Paragraph 5 of subsection 5 (1) requires a deduction from the increase in the need for service attributable to the anticipated development that can be met using the municipality’s “excess capacity,” other than excess capacity which is “committed.”

“Excess capacity” is undefined, but in this case must be able to meet some or all of the increase in need for service, in order to potentially represent a deduction. The deduction of uncommitted excess capacity from the future increase in the need for service would normally occur as part of the conceptual planning and feasibility work associated with justifying and sizing new facilities, e.g., if a road widening to accommodate increased traffic is not required because sufficient excess capacity is already available, then widening would not be included as an increase in need, in the first instance.



4.9.3 Reduction for Benefit to Existing Development

Section 5 (1) 6 of the D.C.A. provides that, “The increase in the need for service must be reduced by the extent to which an increase in service to meet the increased need would benefit existing development.” The general guidelines used to consider benefit to existing development included:

- the repair or unexpanded replacement of existing assets that are in need of repair;
- an increase in average service level of quantity or quality (compare water as an example);
- the elimination of a chronic servicing problem not created by growth; and
- providing services where none previously existed (generally considered for water or wastewater services).

This step involves a further reduction in the need by the extent to which such an increase in service would benefit existing development. The level of service cap in section 4.9.1 is related but is not the identical requirement. Sanitary, storm, and water trunks are highly localized to growth areas and can be more readily allocated in this regard than other services such as services related to a highway, which do not have a fixed service area.

Where existing development has an adequate service level which will not be tangibly increased by an increase in service, no benefit would appear to be involved. For example, where expanding existing library facilities simply replicates what existing residents are receiving, they receive very limited (or no) benefit as a result. On the other hand, where a clear existing service problem is to be remedied, a deduction should be made accordingly.

In the case of services such as recreation facilities, community parks, libraries, etc., the service is typically provided on a municipal-wide system basis. For example, facilities of the same type may provide different services (i.e., leisure pool vs. competitive pool), different programs (i.e., hockey vs. figure skating), and different time availability for the same service (i.e., leisure skating available on Wednesdays in one arena and Thursdays in another). As a result, residents will travel to different facilities to access the services they want at the times they wish to use them, and facility location generally does not correlate directly with residence location. Even where it does, displacing users



from an existing facility to a new facility frees up capacity for use by others and generally results in only a very limited benefit to existing development. Further, where an increase in demand is not met for a number of years, a negative service impact to existing development is involved for a portion of the planning period.

4.9.4 Reduction for Anticipated Grants, Subsidies and Other Contributions

This step involves reducing the capital costs necessary to provide the increased services by capital grants, subsidies, and other contributions (including direct developer contributions required due to the local service policy) made or anticipated by Council and in accordance with various rules such as the attribution between the share related to new vs. existing development. That is, some grants and contributions may not specifically be applicable to growth or where Council targets fundraising as a measure to offset impacts on taxes (O. Reg. 82/98, section 6).

4.10 Municipal-Wide vs. Area Rating

This step involves determining whether all the subject costs are to be recovered on a uniform municipal-wide basis or whether some or all are to be recovered on an area-specific basis. Under the D.C.A., it is now mandatory to “consider” area-rating of services (providing charges for specific areas and services), however, it is not mandatory to implement area-rating. Further discussion is provided in section 7.3.8.

4.11 Allocation of Development

This step involves relating the costs involved to anticipated development for each period under consideration and using allocations between residential and non-residential development and between one type of development and another, to arrive at a schedule of charges.



Chapter 5

D.C.-Eligible Cost Analysis by Service



5. D.C.-Eligible Cost Analysis by Service

5.1 Introduction

This chapter outlines the basis for calculating eligible costs for the D.C.s to be applied on a uniform and area-specific basis. In each case, the required calculation process set out in subsection 5 (1) paragraphs 2 to 7 in the D.C.A. and described in Chapter 4 was followed in determining D.C. eligible costs.

The nature of the capital projects and timing identified in this chapter reflects Council's current intention. Over time, however, County projects and Council priorities change; and accordingly, Council's intentions may alter, and different capital projects (and timing) may be necessary to meet the need for services required by new growth.

5.2 Service Levels and County-Wide 10-Year Capital Costs for D.C. Calculation

This section evaluates the development-related capital requirements for County-wide services over the 10-year planning period (2024-2034). Each service is evaluated on two format sheets: the average historical 15-year level of service calculation (see Appendix B), which "caps" the D.C. amounts; and the infrastructure cost calculation, which determines the potential D.C. recoverable cost.

5.2.1 Services Related to a Highway

The County currently provides Services Related to a Highway utilizing an inventory of 685 km of roads, 164 bridges and culverts, and 37 signalized intersections. The services are also managed through the use of 74,800 sq.ft. of public works facility space and 52 vehicles. This total historical level of investment results in an average level of service of \$15,287 per capita over the past 15-years. When applied against the anticipated population growth over the 10-year forecast period (i.e., 25,779 net population growth including institutional population), this results in a maximum D.C. eligible amount of \$394.1 million that could be included in the calculation of the charge.

The County has completed a Transportation Master Plan in 2023 that examined the transportation needs for the County over the period to 2046. This Master Plan, the County's 10-year capital budget and the D.C. Technical Study undertaken by HDR Inc.



serve the basis of the capital needs that have been included in the calculation of the charge over the 10-year forecast period. In total, \$140.3 million in gross capital costs of growth-related projects have been identified. \$74.3 million has been deducted as a benefit to existing development and a further \$1.8 million has been deducted for other deductions. After removing \$9.3 million for growth-related costs that are of a benefit to growth beyond the 10-year forecast period and adding \$3.0 million for existing reserve fund deficits that must be recovered from the next increment of development, \$57.9 million of costs are included in the calculation of the charge.

These D.C. eligible costs are then attributed 72% to residential development and 28% to non-residential development based on the relationship of population to employment growth anticipated over the 10-year forecast period (i.e., 25,779 population and 9,904 employment). These growth-related projects and costs are detailed in Table 5-1.

5.2.2 Ambulance Services

Ambulance Services are provided in the County utilizing 32,600 sq.ft. of facility space, 21 vehicles, and 117 equipped paramedics. This total historical level of investment results in an average level of service of \$186 per capita over the past 15-years. When applied against the anticipated population growth over the 10-year forecast period (i.e., 25,779 net population growth including institutional population), this results in a maximum D.C. eligible amount of \$4.8 million that could be included in the calculation of the charge.

To provide service to new development over the 10-year forecast period, \$8.3 million in gross capital costs of growth-related projects have been identified, including additional ambulances, paramedics and garage space. \$7.2 million has been deducted as a benefit to existing development and a further \$515,000 has been deducted for D.C. reserve funds already collected towards these needs resulting in \$604,000 being included in the calculation of the charge.

These D.C. eligible costs are then attributed 72% to residential development and 28% to non-residential development based on the relationship of population to employment growth anticipated over the 10-year forecast period (i.e., 25,779 population and 9,904 employment). These growth-related projects and costs are detailed in Table 5-2.



5.2.3 Long-Term Care Services

The County provides Long-Term Care Services through the operation of 168,600 sq.ft. of facility space across three facilities in the County. This total historical level of investment results in an average level of service of \$1,306 per capita over the past 15-years. When applied against the anticipated population growth over the 10-year forecast period (i.e., 25,779 net population growth including institutional population), this results in a maximum D.C. eligible amount of \$33.7 million that could be included in the calculation of the charge.

To provide service to new development over the 10-year forecast period a new 160-bed facility is proposed. The gross capital costs, including the net present value of future interest payments is \$118.6 million. \$82.8 million has been deducted as a benefit to existing development and \$18.9 million has been deducted for future construction funding resulting in \$16.8 million being included in the calculation of the charge.

These D.C. eligible costs are then attributed 100% to residential development as they are the beneficiaries of this service. These growth-related projects and costs are detailed in Table 5-3.

5.2.4 Waste Diversion Services

The County provides Waste Diversion through curbside collection of recyclable materials and waste diversion facilities. In total, the share of facility space related to the diversion of waste totals 83,159 sq.ft. In addition, there are 42.2 equivalent vehicle and equipment items related to waste diversion. This total historical level of investment results in an average level of service of \$85 per capita over the past 15-years. When applied against the anticipated population growth over the 10-year forecast period (i.e., 25,779 net population growth including institutional population), this results in a maximum D.C. eligible amount of \$2.2 million that could be included in the calculation of the charge.

To provide service to new development over the 10-year forecast period, the capital component of collection costs and a new organics processing facility have been identified. The gross capital costs are \$6.3 million. \$4.7 million has been deducted as a benefit to existing development and \$166,400 has been deducted as a benefit to growth beyond the 10-year forecast period. After deducting the existing reserve fund balance of \$49,000, \$1.3 million has been included in the calculation of the charge.



These D.C. eligible costs are then attributed 100% to residential development as they are the beneficiaries of this service. These growth-related projects and costs are detailed in Table 5-4.

5.2.5 Library Services

The County provides Library Services across the County, with the exception of in the City of Woodstock. Library Services are provided through 48,585 sq.ft. of facility space and the maintenance of 148,852 collection items. This total historical level of investment results in an average level of service of \$933 per capita over the past 15-years. When applied against the anticipated population growth over the 10-year forecast period (i.e., 25,779 net population growth including institutional population), this results in a maximum D.C.-eligible amount of \$14.2 million that could be included in the calculation of the charge.

To provide service to new development over the 10-year forecast period, a provision for new facility space and collection materials have been identified. The gross capital costs are \$9.4 million from which \$521,000 has been deducted recognizing the existing reserve fund balance. This results in \$8.9 million being included in the calculation of the charge.

These D.C. eligible costs are then attributed 95% to residential development as they are the primary users for Library Services. These growth-related projects and costs are detailed in Table 5-4.



**Table 5-1
Infrastructure Costs Covered in the D.C. Calculation – Services Related to a Highway**

Prj. No	County Project #	Increased Service Needs Attributable to Anticipated Development	Timing (year)	Gross Capital Cost Estimate (2024\$)	Post Period Benefit	Other Deductions	Net Capital Cost	Less:		Potential D.C. Recoverable Cost		
								Benefit to Existing Development	Grants, Subsidies and Other Contributions Attributable to New Development	Total	Residential Share 72%	Non-Residential Share 28%
		2024-2033										
		Implement Annual Capital Programs										
1	930076	Pedestrian Crossings	2024-2026	2,565,000	-		2,565,000	2,052,000		513,000	369,360	143,640
2	930078	Intersection Illumination	2025-2026	325,000	-		325,000	260,000		65,000	46,800	18,200
3	930078	Intersection Illumination - Punkeydoodles Corners	2024	50,000	-	33,500	16,500	13,200		3,300	2,376	924
4	930198	Urban Storm Sewer - Oxford Road 9 / King Street (Oxford Road 10 to Town Limits)	2024-2025	1,475,000	109,700		1,365,300	737,500		627,800	452,016	175,784
5	930198	Urban Storm Sewer - Oxford Road 9 (Oxford Road 2 to #226 Ingersoll Road) - Phase 2	2024	50,000	3,700		46,300	25,000		21,300	15,336	5,964
6	930198	Urban Storm Sewer - Oxford Road 2 (Oxford Road 12 to West Limit of Woodstock)	2024-2026	510,000	15,200		494,800	408,000		86,800	62,496	24,304
7	930198	Urban Storm Sewer - Oxford Road 35 (Oxford Road 59 to Oxford Road 54)	2024-2025	530,000	15,800		514,200	424,000		90,200	64,944	25,256
8	930198	Urban Storm Sewer - Oxford Road 12 (Oxford Road 2 to Queen Street)	2025-2027	510,000	37,900		472,100	255,000		217,100	156,312	60,788
9	930198	Urban Storm Sewer - Oxford Road 59 (Wilson Street to Norwich Avenue)	2025-2027	520,000	15,500		504,500	416,000		88,500	63,720	24,780
10	930198	Urban Storm Sewer - Oxford Road 59 (Salter Avenue to Juliana Drive)	2028	230,000	6,800		223,200	184,000		39,200	28,224	10,976
11	930198	Urban Storm Sewer - Oxford Road 35 (Woodall Way to Oxford Road 4)	2028	200,000	14,900		185,100	100,000		85,100	61,272	23,828
12	930199	Rural Storm Sewer - Oxford Road 119 & Road 64	2024	600,000	2,200	570,000	27,800	15,000		12,800	9,216	3,584
13	930199	Rural Storm Sewer - Oxford Road 59 (within the village of Burgessville)	2024-2025	550,000	40,900		509,100	275,000		234,100	168,552	65,548
14	930199	Rural Storm Sewer - Oxford Road 8 & Oxford Road 36	2024	150,000	20,100		129,900	15,000		114,900	82,728	32,172
15	930199	Rural Storm Sewer - Stream Realignment near Oxford Road 16	2025	900,000	66,900		833,100	450,000		383,100	275,832	107,268
16	930199	Rural Storm Sewer - Oxford Road 18 (Oxford Road 13 to Highway 19)	2029	500,000	14,900		485,100	400,000		85,100	61,272	23,828
17	930199	Rural Storm Sewer - Oxford Road 19 (Highway 19 to Norfolk County Border)	2028	2,800,000	83,300		2,716,700	2,240,000		476,700	343,224	133,476
18	930199	Rural Storm Sewer - Oxford Road 20 (Tilsonburg to Brownsville)	2031	300,000	8,900		291,100	240,000		51,100	36,792	14,308
19	930199	Rural Storm Sewer - Oxford Road 22 (in the village of Bright)	2027	150,000	11,200		138,800	75,000		63,800	45,936	17,864
20	930300	Traffic Signal - Optimization/Upgrades	2024-2033	990,000	-		990,000	495,000		495,000	356,400	138,600
21	930301	Traffic Calming	2024-2025	1,525,000	-		1,525,000	1,220,000		305,000	219,600	85,400
		Road Widening										
22	930119	Harris St & Clarke Intersection Design & Construction (Roundabout)	2027-2028	6,100,000	816,400		5,283,600	610,000		4,673,600	3,364,992	1,308,608
23	930119	Clarke St to 401 widening	2028	1,700,000	202,200		1,497,800	340,000		1,157,800	833,616	324,184



Table 5-1 (Cont'd)
Infrastructure Costs Covered in the D.C. Calculation – Services Related to a Highway

Prj. No	County Project #	Increased Service Needs Attributable to Anticipated Development	Timing (year)	Gross Capital Cost Estimate (2024\$)	Post Period Benefit	Other Deductions	Net Capital Cost	Less:			Potential D.C. Recoverable Cost		
								Benefit to Existing Development	Grants, Subsidies and Other Contributions Attributable to New Development	Total	Residential Share	Non-Residential Share	
		2024-2033									72%	28%	
		Major Road Reconstruction / Rehabilitation:		-	-		-	-		-	-	-	
24	930003	Oxford Road 3 (Road part of Princeton Drainage Project by Township of BB and includes Urbanization)	2024	2,700,000	200,700		2,499,300	1,350,000		1,149,300	827,496	321,804	
25	930009	Oxford Road 9 (Oxford Road 2 to #226 Ingersoll Road) - Phase 2	2024	1,568,428	112,900	50,000	1,405,528	759,200		646,328	465,356	180,972	
26	930035	Oxford Road 35 (Oxford Road 59 to Oxford Road 54)	2024-2025	4,950,000	147,200		4,802,800	3,960,000		842,800	606,816	235,984	
27	930035	Oxford Road 35 (Oxford Road 54 to Lansdowne Avenue)	2026	9,500,000	282,500		9,217,500	7,600,000		1,617,500	1,164,600	452,900	
28	930002	Oxford Road 2 (Oxford Road 12 to West Limit Woodstock)	2024-2026	3,200,000	95,200		3,104,800	2,560,000		544,800	392,256	152,544	
29	930059	Oxford Road 59 (Wilson St to Norwich Ave)	2025-2027	2,250,000	66,900		2,183,100	1,800,000		383,100	275,832	107,268	
30	930059	Oxford Road 59 (Cedar St to Parkinson Rd)	2027	1,900,000	56,500		1,843,500	1,520,000		323,500	232,920	90,580	
31	930059	Oxford Road 59 (Salter Ave to Juliana Dr.)	2028	2,070,000	61,600		2,008,400	1,656,000		352,400	253,728	98,672	
32	930019	Oxford Road 19 (Highway 19 to Norfolk County Border)	2024-2028	26,687,914	793,700		25,894,214	21,350,300		4,543,914	3,271,618	1,272,296	
33	930018	Oxford Road 18 (Oxford Road 13 to Highway 19)	2026-2029	6,050,000	179,900		5,870,100	4,840,000		1,030,100	741,672	288,428	
34	930020	Oxford Road 20 (Tilsonburg to Brownsville)	2026-2031	3,550,000	105,600		3,444,400	2,840,000		604,400	435,168	169,232	
		Road Urbanization:		-	-		-	-		-	-	-	
35	930035	Oxford Road 35 (Woodall Way to Oxford Road 4)	2027-2028	1,900,000	122,700	250,000	1,527,300	825,000		702,300	505,656	196,644	
36	930009	Oxford Road 9 / King Street (Oxford Road 10 to Town Limits)	2024-2025	2,800,000	208,200		2,591,800	1,400,000		1,191,800	858,096	333,704	
37	930008	Oxford Road 22 / Oxford Road 8 (in the village of Bright)	2027	1,350,000	100,400		1,249,600	675,000		574,600	413,712	160,888	
38	930150	Oxford Road 59 (within the village of Burgessville)	2024-2025	1,600,000	119,000		1,481,000	800,000		681,000	490,320	190,680	
		Bridge/Culvert Rehabilitations		-	-		-	-		-	-	-	
39	930200	Culvert Repl. 843164 - OR 16, 1.9km E of 119	2024	665,000	32,600		632,400	445,600		186,800	134,496	52,304	
		Active Transportation		-	-		-	-		-	-	-	
40	930079	Oxford Road 24 from Tavistock to Oxford Road 5	2024	500,000	18,600	250,000	231,400	125,000		106,400	76,608	29,792	
41	930079	Oxford Road 9 from Woodstock to Ingersoll	2026	750,000	55,800		694,200	375,000		319,200	229,824	89,376	
42	930079	Oxford Road 119 from Ingersoll to Thamesford	2025	600,000	44,600		555,400	300,000		255,400	183,888	71,512	
43	930079	Oxford Road 10 from Oxford Road 27 to Oxford Road 20	2025	450,000	33,500		416,500	225,000		191,500	137,880	53,620	
44	930079	Oxford Road 10 from HWY 401 to Oxford Road 27	2025	750,000	55,800		694,200	375,000		319,200	229,824	89,376	
45	930079	Oxford Road 59 from HWY 401 to Oxford Road 46	2028	500,000	37,200		462,800	250,000		212,800	153,216	59,584	
46	930079	Oxford Road 29/Oxford Road 4 from Oxford Road 36 to Oxford Road 35	2029	1,500,000	111,500		1,388,500	750,000		638,500	459,720	178,780	
47	930079	Oxford Road 59 from Oxford Road 8 to Oxford Road 34	2029	650,000	48,300		601,700	325,000		276,700	199,224	77,476	
48	930079	Oxford Road 20 from Oxford Road 10 to Tillsonburg	2031	500,000	37,200		462,800	250,000		212,800	153,216	59,584	
49	930079	Oxford Road 13 from Oxford Road 46 to Springford	2032	500,000	37,200		462,800	250,000		212,800	153,216	59,584	
50	930079	Oxford Road 119 from Oxford Road 28 to Kintore	2029	700,000	52,000		648,000	350,000		298,000	214,560	83,440	
51	930079	Oxford Road 6 from Oxford Road 8 to Oxford Road 28	2033	450,000	33,500		416,500	225,000		191,500	137,880	53,620	
52	930079	Oxford Road 28 from Oxford Road 6 to Oxford 119	2033	850,000	63,200		786,800	425,000		361,800	260,496	101,304	



Table 5-1 (Cont'd)
Infrastructure Costs Covered in the D.C. Calculation – Services Related to a Highway

Prj. No	County Project #	Increased Service Needs Attributable to Anticipated Development	Timing (year)	Gross Capital Cost Estimate (2024\$)	Post Period Benefit	Other Deductions	Net Capital Cost	Less:		Potential D.C. Recoverable Cost		
								Benefit to Existing Development	Grants, Subsidies and Other Contributions Attributable to New Development	Total	Residential Share	Non-Residential Share
		2024-2033								72%	28%	
		Undertake Intersection Upgrades / Improvements:			-		-	-		-	-	-
53	930015	Oxford Road 15 & Springbank Avenue - North Right Turn Lane	2024	570,000	84,800		485,200	-		485,200	349,344	135,856
54	930077	Oxford Road 6 & Oxford Road 16 - Overhead Flashing Lights	2024	50,000	1,500		48,500	40,000		8,500	6,120	2,380
55	930077	Oxford Road 59 & Oxford Road 28 - Overhead Flashing Lights	2024	50,000	1,500		48,500	40,000		8,500	6,120	2,380
56	930077	Oxford Road 2 & Middleton Street - Turning Lanes & Other Improvements	2024-2030	2,125,000	284,400		1,840,600	212,500		1,628,100	1,172,232	455,868
57	930300	Oxford Road 2 & Middleton Street - Signalization	2030	500,000	66,900		433,100	50,000		383,100	275,832	107,268
58	930059	Oxford Road 59 & Pattullo Avenue - Realignment (City of Woodstock Led)	2025-2026	1,650,000	220,800		1,429,200	165,000		1,264,200	910,224	353,976
59	930077	Oxford Road 12 (Mill St) and Oxford Road 2 (Dundas St.) - Phase 2 - North Right Turn Lane	2027	625,000	46,500		578,500	312,500		266,000	191,520	74,480
60	930300	Oxford Road 20 (North Street) & Oxford Road 53 (Tilson Avenue) - Signalization	2026	500,000	66,900		433,100	50,000		383,100	275,832	107,268
61	930077	Oxford Road 2 & 35th Line - EB Left Turn Lane	2025-2026	375,000	11,200		363,800	300,000		63,800	45,936	17,864
62	930077	Oxford Road 24 & Oxford Road 5 (Punkeydoodles Corner) - Realignment	2024	1,130,000	34,200	670,000	425,800	230,000		195,800	140,976	54,824
63	930077	Oxford Road 12 & Juliana Drive - Roundabout	2032	6,000,000	803,000		5,197,000	600,000		4,597,000	3,309,840	1,287,160
64	930077	Oxford Road 12 & Athlone Avenue - Roundabout	2030	6,000,000	803,000		5,197,000	600,000		4,597,000	3,309,840	1,287,160
65	930077	Oxford Road 4 & Oxford Road 2	2030	25,000	3,300		21,700	2,500		19,200	13,824	5,376
66	930077	Oxford Road 59 and Airport Road	2024-2031	2,060,000	275,700		1,784,300	206,000		1,578,300	1,136,376	441,924
67	930004	Oxford Road 4 & Oxford Road 15 Intersection	2024-2025	1,500,000	200,700		1,299,300	150,000		1,149,300	827,496	321,804
68	930004	Oxford 17 & Oxford Road 4 Intersection	2025-2029	11,800,000	1,579,200		10,220,800	1,180,000		9,040,800	6,509,376	2,531,424
		Undertake Other Infrastructure Projects:			-		-	-				
69	930197	Strik Drain Stormwater Management Facility	2024	667,500	49,600		617,900	333,800		284,100	204,552	79,548
		Reserve Fund Adjustment								3,036,603	2,186,354	850,249
		Total		140,298,841	9,333,700	1,823,500	129,141,641	74,328,100	-	57,850,145	41,652,104	16,198,041



**Table 5-2
Infrastructure Costs Covered in the D.C. Calculation – Ambulance Services**

Prj.No	Increased Service Needs Attributable to Anticipated Development 2024-2033	Timing (year)	Gross Capital Cost Estimate (2024\$)	Post Period Benefit	Net Capital Cost	Less:		Potential D.C. Recoverable Cost		
						Benefit to Existing Development	Grants, Subsidies and Other Contributions Attributable to New Development	Total	Residential Share 72%	Non- Residential Share 28%
1	Ambulances (17)	2024-2033	6,055,200	-	6,055,200	5,242,500		812,700	585,144	227,556
2	Equipment for Full time Paramedics (8 per year)	2024-2033	346,800	-	346,800	300,300		46,500	33,480	13,020
3	Equipment for Part time Paramedics (3 per year)	2024-2033	112,700	-	112,700	97,600		15,100	10,872	4,228
4	Garage Space	2024-2033	1,823,500	-	1,823,500	1,578,800		244,700	176,184	68,516
			-	-	-	-		-	-	-
	Reserve Fund Adjustmnet		-	-	-	-		(514,908)	(370,734)	(144,174)
			-	-	-	-		-	-	-
			-	-	-	-		-	-	-
	Total		8,338,200	-	8,338,200	7,219,200	-	604,092	434,946	169,146



**Table 5-3
Infrastructure Costs Covered in the D.C. Calculation – Long-Term Care Services**

Prj.No	Increased Service Needs Attributable to Anticipated Development	Timing (year)	Gross Capital Cost Estimate (2024\$)	Post Period Benefit	Other Deductions	Net Capital Cost	Less:		Potential D.C. Recoverable Cost		
							Benefit to Existing Development	Grants, Subsidies and Other Contributions Attributable to New Development	Total	Residential Share	Non-Residential Share
	2024-2033									100%	0%
1	160-Bed Expansion	2028	90,500,000	-	14,467,827	76,032,173	63,183,500		12,848,673	12,848,673	-
2	160-Bed Expansion (Net Present Value of future Interest Payments) ¹	2028	28,122,686	-	4,495,847	23,626,839	19,634,200		3,992,639	3,992,639	-
			-	-		-	-		-	-	-
			-	-		-	-		-	-	-
			-	-		-	-		-	-	-
			-	-		-	-		-	-	-
			-	-		-	-		-	-	-
			-	-		-	-		-	-	-
	Total		118,622,686	-	18,963,674	99,659,011	82,817,700	-	16,841,311	16,841,311	-

1. Net of one-time planning and development grants



**Table 5-4
Infrastructure Costs Covered in the D.C. Calculation – Waste Diversion Services**

Prj. No	Increased Service Needs Attributable to Anticipated Development 2024-2033	Timing (year)	Gross Capital Cost Estimate (2024\$)	Post Period Benefit	Net Capital Cost	Less:		Potential D.C. Recoverable Cost		
						Benefit to Existing Development	Grants, Subsidies and Other Contributions Attributable to New Development	Total	Residential Share 100%	Non-Residential Share 0%
1	NPV of Provision for Waste Diversion Collection Contract ¹	2024-2033	411,743	-	411,743	-		411,743	411,743	-
2	Organics Processing Facility	2026	5,850,000	166,400	5,683,600	4,700,300		983,300	983,300	-
					-	-		-	-	-
	Reserve Fund Adjustment				-	-		(48,942)	(48,942)	-
					-	-		-	-	-
					-	-		-	-	-
					-	-		-	-	-
	Total		6,261,743	166,400	6,095,343	4,700,300	-	1,346,100	1,346,100	-

1. Capital cost component of waste diversion contract. Recycling (2024-2026) and Organics (2026-2033)



**Table 5-5
Infrastructure Costs Covered in the D.C. Calculation – Library Services**

Prj.No	Increased Service Needs Attributable to Anticipated Development	Timing (year)	Gross Capital Cost Estimate (2024\$)	Post Period Benefit	Net Capital Cost	Less:		Potential D.C. Recoverable Cost		
						Benefit to Existing Development	Grants, Subsidies and Other Contributions Attributable to New Development	Total	Residential Share	Non-Residential Share
	2024-2033								95%	5%
1	Collection Materials	2024-2033	2,405,517	-	2,405,517	-		2,405,517	2,285,241	120,276
2	Facility Provision	2024-2033	7,000,000	-	7,000,000	-		7,000,000	6,650,000	350,000
				-	-	-		-	-	-
	Reserve Fund Adjustment			-	-	-		(521,344)	(495,277)	(26,067)
				-	-	-		-	-	-
				-	-	-		-	-	-
	Total		9,405,517	-	9,405,517	-	-	8,884,173	8,439,964	444,209



5.3 10-Year Capital Costs for D.C. Calculation for Area-Specific Services

This section evaluates the development-related capital requirements for area-specific water and wastewater services over the 10-year planning period (2024-2034).

The County has completed a Water and Wastewater Master Plan in 2023 that examined the servicing needs for the County over the period to 2046. This Master Plan, the County's 10-year capital budget and the D.C. Technical Study undertaken by GM BluePlan serve as the basis of the capital needs that have been included in the calculation of the charge over the 10-year forecast period. Consistent with the County's past D.C. background studies and by-laws, the water and wastewater costs have been assessed on an area-specific basis by serviced area. The service areas are as follows:

- City of Woodstock
- Town of Tillsonburg
- Town of Ingersoll
- Village of Plattsville
- Village of Drumbo
- Village of Tavistock
- Village of Innerkip
- Village of Norwich
- Village of Thamesford
- Village of Embro
- Village of Mt. Elgin

Table 5-6 summarizes the total capital costs and deductions that have been made in arriving at the D.C. recoverable costs by service area.

In total, \$284.3 million in gross capital costs of growth-related projects have been identified. \$72.9 million has been deducted as a benefit to existing development and a further \$22.6 million has been deducted for other deductions for municipal and developer contributions. After removing \$39.7 million for growth-related costs that are of a benefit to growth beyond the 10-year forecast period and deducting \$5.8 million for existing reserve fund balances, \$143.3 million of costs are included in the calculation of the charge.



These D.C. eligible costs are then attributed to residential development and non-residential development based on anticipated water and wastewater flows within each service area over the 10-year forecast period.

These growth-related projects and costs are detailed further in Table 5-7 to 5-28.



**Table 5-6
Infrastructure Costs Covered in the D.C. Calculation – Water and Wastewater Summary**

Service Area	Increased Service Needs Attributable to Anticipated Development 2024-2033	Gross Capital Cost Estimate (2024\$)	Post Period Benefit	Other Deductions	Net Capital Cost	Less:			Potential D.C. Recoverable Cost		
						Benefit to Existing Development	Grants, Subsidies and Other Contributions Attributable to New Development	Reserve Fund Adjustment	Total	Residential Share	Non-Residential Share
Woodstock	Water	37,360,868	7,311,000	-	30,049,868	7,901,300	-	386,661	22,535,229	13,133,678	9,401,551
	Wastewater	54,406,999	9,797,800	548,422	44,060,777	15,337,500	-	(4,815,422)	23,907,855	13,849,610	10,058,245
Tilsonburg	Water	26,407,596	-	4,000	26,403,596	4,771,300	-	(709,140)	20,923,156	14,773,477	6,149,680
	Wastewater	14,427,500	4,875,474	19,500	9,532,526	1,735,500	-	(4,114,697)	3,682,329	2,714,953	967,375
Ingersoll	Water	14,891,661	3,470,600	-	11,421,061	4,034,200	-	774,366	8,161,227	5,491,056	2,670,171
	Wastewater	21,818,430	4,986,100	-	16,832,330	3,247,600	-	1,214,644	14,799,374	8,501,716	6,297,658
Plattsville	Water	2,973,850	-	-	2,973,850	2,407,200	-	339,452	906,102	865,648	40,454
	Wastewater	1,794,048	-	-	1,794,048	1,403,100	-	770,865	1,161,813	1,143,992	17,821
Drumbo	Water	4,456,955	373,900	-	4,083,055	3,595,300	-	(7,444)	480,311	455,589	24,722
	Wastewater	1,227,837	313,400	-	914,437	542,600	-	6,440,821	6,812,658	6,291,330	521,329
Tavistock	Water	14,941,462	501,500	-	14,439,962	9,902,400	-	(592,991)	3,944,571	3,379,134	565,437
	Wastewater	45,712,979	1,584,500	21,980,264	22,148,215	4,997,000	-	152,476	17,303,691	15,362,586	1,941,105
Innerkip	Water	293,844	13,500	-	280,344	264,500	-	-	15,844	15,638	206
	Wastewater	8,379,562	1,837,000	-	6,542,562	4,308,100	-	-	2,234,462	2,216,287	18,175
Norwich	Water	5,409,329	853,200	-	4,556,129	2,598,456	-	(118,713)	1,838,960	1,603,512	235,448
	Wastewater	11,321,355	2,907,400	-	8,413,955	1,523,800	-	(4,045,335)	2,844,820	2,178,851	665,969
Thamesford	Water	3,482,750	-	-	3,482,750	515,300	-	(1,185,778)	1,781,672	1,691,222	90,450
	Wastewater	7,540,307	-	-	7,540,307	2,675,300	-	(147,258)	4,717,749	4,605,783	111,966
Embro	Water	639,683	56,100	-	583,583	278,700	-	-	304,883	246,257	58,626
	Wastewater	1,298,471	124,700	-	1,173,771	401,700	-	-	772,071	696,681	75,390
Mt. Elgin	Water	1,298,382	3,600	-	1,294,782	194,400	-	(162,970)	937,411	858,864	78,548
	Wastewater	4,206,087	683,600	-	3,522,487	246,700	-	560	3,276,347	2,974,125	302,222
	Total	284,289,955	39,693,374	22,552,186	222,044,395	72,881,956	-	(5,819,904)	143,342,535	103,049,987	40,292,549



**Table 5-7
Infrastructure Costs Covered in the D.C. Calculation – Woodstock Water Services**

Prj.No	County Prj.No	Increased Service Needs Attributable to Anticipated Development 2024-2033	Timing (year)	Gross Capital Cost Estimate (2024\$)	Post Period Benefit	Net Capital Cost	Benefit to Existing Development	Less:	Potential D.C. Recoverable Cost		
								Grants, Subsidies and Other Contributions Attributable to New Development	Total	Residential Share 58%	Non-Residential Share 42%
<u>CAPACITY</u>											
1	1-260000-26006-6019	Water Efficiency/Buy-Back Program	2024	100,000	-	100,000	-		100,000	58,281	41,719
2	900016 SCADA Implementation - Woodstock	Implementation of SCADA projects in Woodstock	2024-2031	2,475,582	74,500	2,401,082	2,228,000		173,082	100,873	72,209
3	960159 WDSTK	Thornton to Woodstock Feedermain Replacement	2024-2027	11,320,210	2,726,400	8,593,810	2,264,000		6,329,810	3,689,055	2,640,756
4	960144 WDSTK	Zone 1 Pressure Control Valve and Control Building to Southside Supply	2028-2029	554,000	83,400	470,600	277,000		193,600	112,831	80,769
5	960166 WDSTK	Thornton to HWY 401 crossing Feedermain Upgrade (RELINING 401 CROSSING)	2025-2026	1,206,000	181,500	1,024,500	603,000		421,500	245,653	175,847
6	960125 WDSTK	Thornton WTP High Lift Pumping Upgrades	2028	100,000	24,100	75,900	20,000		55,900	32,579	23,321
7	960145 WDSTK	Well 9 and Well 6 upgrades at Southside WTP	2030	350,000	21,100	328,900	280,000		48,900	28,499	20,401
8	960147 WDSTK	Tower Generators	2030	300,000	18,100	281,900	240,000		41,900	24,420	17,480
<u>DISTRIBUTION - VACANT LANDS WITHIN URBAN BOUNDARY</u>											
9	960154 WDSTK	Karn Rd (Zone 6) Booster Pumping Station	2024	4,750,000	1,287,000	3,463,000	475,000		2,988,000	1,741,426	1,246,574
10	960149	Oversized WM Projects for Developments in City Limits	2024-2025	412,500	124,200	288,300	-		288,300	168,023	120,277
11	960134 WDSTK	Watermain from Karn Rd Booster Pumping Station west to Anderson Street, east along Karn Road and looping back to Booster Pumping Station	2025	650,000	195,700	454,300	-		454,300	264,769	189,531
<u>Existing Distribution System</u>											
12	960155 WDSTK	Zone 3 Booster Pumping Station	2029-2030	2,957,800	445,200	2,512,600	1,478,900		1,033,700	602,447	431,253
13	960127 WDSTK	Zone 3 Pressure Control Valve and Control Building to northern Zone 1 area (near Nellis Booster Pumping Station)	2032-2033	354,000	95,900	258,100	35,400		222,700	129,791	92,909
<u>East Woodstock Secondary Plan Area</u>											
14	960128 WDSTK	Township Rd 3 Watermain from Oxford Road 4 to EPA woodlot area	2027-2028	1,463,200	440,500	1,022,700	-		1,022,700	596,036	426,664



Table 5-7 (cont'd)
Infrastructure Costs Covered in the D.C. Calculation – Woodstock Water Services

Prj.No	County Prj.No	Increased Service Needs Attributable to Anticipated Development 2024-2033	Timing (year)	Gross Capital Cost Estimate (2024\$)	Post Period Benefit	Net Capital Cost	Less:		Potential D.C. Recoverable Cost		
							Benefit to Existing Development	Grants, Subsidies and Other Contributions Attributable to New Development	Total	Residential Share 58%	Non-Residential Share 42%
<u>DISTRIBUTION - EMPLOYMENT LANDS</u>											
<u>Pattullo Industrial Park</u>											
15	960156	Pattullo Industrial Park - Watermain from Patullo Ave from Jack Ross Ave to 150 m E of Alyea St (E of the SPS)	2024	277,805	83,600	194,205	-		194,205	113,184	81,021
<u>North East Industrial Park</u>											
16	960135 WDSTK	Toyota Easement Watermain from Elevated Storage tower to west side of Hwy 401	2025	1,096,000	330,000	766,000	-		766,000	446,430	319,570
17	960135 WDSTK	Toyota Easement Hwy 401 Watermain Crossing	2025	1,116,000	336,000	780,000	-		780,000	454,589	325,411
18	960135 WDSTK	Easement Watermain from east side of Hwy 401 to west limit of Corlett site	2025	431,000	129,800	301,200	-		301,200	175,541	125,659
19	960135 WDSTK	Street C Watermain from Corlett site to Blandford Road	2025	123,000	37,000	86,000	-		86,000	50,121	35,879
20	960135 WDSTK	400 mm watermain internal to development - oversizing	2025	308,000	92,700	215,300	-		215,300	125,478	89,822
21	960135 WDSTK	Blandford Rd Watermain from Street C to Township Road #2	2026	230,000	69,200	160,800	-		160,800	93,715	67,085
<u>South East Industrial Park</u>											
	960160 WDSTK	PHASE II		-	-	-	-		-	-	-
22		WM 400 mm on Pattullo (~ 150 m east of Alyea Street/ opposite SPS to Southwest Limit of study area) 790 meters & WM 400 mm on Pattullo (Southwest Limit of study area to Middletown Line) 944 meters	2029	1,639,000	493,400	1,145,600	-		1,145,600	667,663	477,937
23		Middletown Line Watermain from Pattullo Avenue to Street A	2029	72,000	21,700	50,300	-		50,300	29,315	20,985
24		Net Present Value of Future Debt Payments	2024-2033	5,074,771	-	5,074,771	-		5,074,771	2,957,610	2,117,162
		Reserve Fund Adjustment							386,661	225,348	161,312
		Total		37,360,868	7,311,000	30,049,868	7,901,300	-	22,535,229	13,133,678	9,401,551



**Table 5-8
Infrastructure Costs Covered in the D.C. Calculation – Woodstock Wastewater Services**

Prj.No	County Prj.No	Increased Service Needs Attributable to Anticipated Development	Timing (year)	Gross Capital Cost Estimate (2024\$)	Post Period Benefit	Other Deductions	Net Capital Cost	Less:		Potential D.C. Recoverable Cost		
								Benefit to Existing Development	Grants, Subsidies and Other Contributions Attributable to New Development	Total	Residential Share	Non-Residential Share
		2024-2033			-		-				58%	42%
		CAPACITY			-		-			-	-	-
1	900016	SCADA Implementation - Woodstock	2024-2031	2,584,245	77,900		2,506,345	2,325,800		180,545	104,588	75,957
2	950170	WDSTK Sanitary Trunk Sewer Infiltration and Inflow Reduction	2024-2030	222,250	33,500		188,750	111,100		77,650	44,982	32,668
3	950103	WDSTK Woodstock WWTP Operational Upgrades	2029-2030	14,750,000	2,153,600	453,552	12,142,848	7,148,200		4,994,648	2,893,356	2,101,292
4	950128	WDSTK Thames Valley Sewage Pumping Station	2028-2029	3,085,279	900,900	94,870	2,089,509	-		2,089,509	1,210,434	879,075
5	950159	WDSTK Brick Pond Sanitary Trunk Sewer Re-alignment	2029-2031	5,009,768	754,700		4,255,068	2,504,900		1,750,168	1,013,857	736,311
6	950173	WDSTK Sanitary Sewer Replacement (OR 59 & Fairway)	2025-2026	265,500	16,000		249,500	212,400		37,100	21,492	15,608
7	950162	WDSTK 11th Line Sanitary Sewer	2029-2030	1,188,850	71,600		1,117,250	951,100		166,150	96,249	69,901
8	950140	WDSTK Northwest Trunk Upsizing	2026	500,000	120,500		379,500	100,000		279,500	161,912	117,588
9	911900	WDSTK Woodstock Biogas Project	2024-2025	2,480,000	149,400		2,330,600	1,984,000		346,600	200,782	145,818
		COLLECTION - VACANT LANDS WITHIN URBAN BOUNDARY		-	-		-	-		-	-	-
		Karn Rd Secondary Plan Area		-	-		-	-		-	-	-
10	New	Gravity / Siphon Upsize	2026	545,000	164,200		380,800	-		380,800	220,594	160,206
		East Woodstock Secondary Plan Area		-	-		-	-		-	-	-
11	950164	WDSTK Lansdowne Sewer Ext. 300 meters of 300 mm	2024	500,000	150,600		349,400	-		349,400	202,404	146,996
12	950163	WDSTK Extension of East Trunk Sewer	2025	883,500	266,200		617,300	-		617,300	357,596	259,704
13	950163	WDSTK Lansdowne Sewage Pumping Station	2024	7,500,000	2,259,500		5,240,500	-		5,240,500	3,035,775	2,204,725
14	950163	WDSTK West Trunk Sewer	2025	846,450	255,000		591,450	-		591,450	342,622	248,828
		COLLECTION - EMPLOYMENT LANDS		-	-		-	-		-	-	-
		Pattullo Industrial Park		-	-		-	-		-	-	-
15	950151	Pattullo Industrial Park Sewage Pumping Station	2024	5,421,923	-		5,421,923	-		5,421,923	3,140,872	2,281,051
16	950151	Pattullo Industrial Park Forcemain	2024	401,215	-		401,215	-		401,215	232,420	168,795
17	950151	Pattullo Industrial Park - Sanitary Oversizing	2024	176,000	-		176,000	-		176,000	101,955	74,045



Table 5-8 (cont'd)
Infrastructure Costs Covered in the D.C. Calculation – Woodstock Wastewater Services

Prj.No	County Prj.No	Increased Service Needs Attributable to Anticipated Development	Timing (year)	Gross Capital Cost Estimate (2024\$)	Post Period Benefit	Other Deductions	Net Capital Cost	Less:		Potential D.C. Recoverable Cost		
								Benefit to Existing Development	Grants, Subsidies and Other Contributions Attributable to New Development	Total	Residential Share	Non-Residential Share
		2024-2033		-	-		-	-		-	58%	42%
		North East Industrial Park		-	-		-	-		-	-	-
18	950150 WDSTK	Sewage Pumping Station A	2026	2,228,000	671,200		1,556,800	-		1,556,800	901,841	654,959
19	950150 WDSTK	Dundas Street Forcemain from Houser's Lane (MH SA 992) to Water Tower site	2025	2,100,244	632,700		1,467,544	-		1,467,544	850,135	617,409
20	950150 WDSTK	Toyota Easement Forcemain from Water Tower Site to west side of Hwy 401	2025	424,696	127,900		296,796	-		296,796	171,931	124,865
21	950150 WDSTK	Hwy 401 Forcemain Crossing	2025	424,080	127,800		296,280	-		296,280	171,632	124,648
22	950150 WDSTK	Street C Forcemain from east side of Hwy 401 to SPS A (Blandford Road)	2025	903,000	272,000		631,000	-		631,000	365,533	265,467
23	950150 WDSTK	Blandford Road Forcemain from Street C to SPS A	2025	200,000	60,300		139,700	-		139,700	80,927	58,773
24	950150 WDSTK	Southeast Sanitary Trunk Oversizing Capacity Assessment	2026	100,000	30,100		69,900	-		69,900	40,492	29,408
		South East Industrial Park		-	-		-	-		-	-	-
	950152 WDSTK	<i>PHASE II</i>		-	-		-	-		-	-	-
25		Patullo Avenue Sanitary main from Alyea SPS to southwest limit of South East Secondary Plan Area	2029	1,017,000	306,400		710,600	-		710,600	411,644	298,956
26		Patullo Avenue Sanitary main from South East Secondary Plan Area to Middletown Line	2029	481,000	144,900		336,100	-		336,100	194,700	141,400
27		Middletown Line Sanitary main from Patullo Avenue to Street A	2029	169,000	50,900		118,100	-		118,100	68,414	49,686
		Reserve Fund Adjustment								(4,815,422)	(2,789,531)	(2,025,890)
		Total		54,406,999	9,797,800	548,422	44,060,777	15,337,500	-	23,907,855	13,849,610	10,058,245



**Table 5-9
Infrastructure Costs Covered in the D.C. Calculation – Tillsonburg Water Services**

Prj.No	County Prj.No	Increased Service Needs Attributable to Anticipated Development 2024-2033	Timing (year)	Gross Capital Cost Estimate (2024\$)	Post Period Benefit	Other Deductions	Net Capital Cost	Less:		Potential D.C. Recoverable Cost		
								Benefit to Existing Development	Grants, Subsidies and Other Contributions Attributable to New Development	Total	Residential Share 71%	Non-Residential Share 29%
CAPACITY												
1	1-260000-26006-6019	Water Efficiency/Buy-Back Program	2024	50,000	-	-	50,000	-	-	50,000	35,304	14,696
2	900016 SCADA Implementation - Tillsonburg	Implementation of SCADA projects in Tillsonburg	2024-2031	1,579,638	-	-	1,579,638	1,421,700	-	157,938	111,517	46,421
3	960200 TBURG	Well 7A - Filtration Upgrades	2024-2026	2,231,316	-	-	2,231,316	1,785,100	-	446,216	315,065	131,151
4	960201 TBURG	Well 3 Facility Upgrade	2024-2026	3,147,000	-	-	3,147,000	-	-	3,147,000	2,222,042	924,958
5	960220 TBURG	Backup Power for North Street Pump house	2024	465,000	-	-	465,000	372,000	-	93,000	65,666	27,334
6	960202 TBURG	Replacement of Well 6A	2025	150,000	-	-	150,000	15,000	-	135,000	95,321	39,679
7	960211 TBURG	Broadway Secondary Transmission Main Feed	2027	2,248,500	-	-	2,248,500	224,900	-	2,023,600	1,428,829	594,771
8	960204 TBURG	Bell Mill Replacement Well (for Well 11)	2025	642,000	-	-	642,000	513,600	-	128,400	90,661	37,739
9	960249 TBURG	Oversizing Projects	2024	350,000	-	-	350,000	35,000	-	315,000	222,416	92,584
DISTRIBUTION - VACANT LANDS WITHIN URBAN BOUNDARY												
10	960250 TBURG	Watermain West Town Line from Simcoe Street to Potters Rd.	2029-2030	754,020	-	-	754,020	-	-	754,020	532,400	221,620
11	960251 TBURG	Victoria Wood Subdivision Watermain on Street I from Westin Drive to Street F	2027-2028	350,460	-	-	350,460	-	-	350,460	247,454	103,006
12	960251 TBURG	Victoria Wood Subdivision Watermain on Grandview Drive (near Quarter Townline) West to Street A then N to Concession Street W.	2027-2028	796,500	-	-	796,500	-	-	796,500	562,395	234,105
13	960213 TBURG	Cranberry Road Watermain Extension from Beckett Blvd North to Town Limits	2024-2025	1,556,804	-	4,000	1,552,804	-	-	1,552,804	1,096,408	456,396
14	960245 TBURG	North End Watermain Looping	2024-2025	2,019,924	-	-	2,019,924	404,000	-	1,615,924	1,140,976	474,948
DISTRIBUTION - EMPLOYMENT AREAS												
Innovation Park Industrial Lands												
15	960245 TBURG	Watermain looping VanNorman St watermain loop (off HWY 3)	2033	540,000	-	-	540,000	-	-	540,000	381,285	158,715
Rokeye Sideroad Industrial Lands												
16	960252 TBURG	Vienna Road Watermain Extension from Rouse Street to South on Vienna Road	2029-2030	320,075	-	-	320,075	-	-	320,075	225,999	94,076
17		Provision for Additional Infrastructure	2033	9,206,359	-	-	9,206,359	-	-	9,206,359	6,500,450	2,705,909
				-	-	-	-	-	-	-	-	-
		Reserve Fund Adjustment		-	-	-	-	-	-	(709,140)	(500,711)	(208,429)
				-	-	-	-	-	-	-	-	-
		Total		26,407,596	-	4,000	26,403,596	4,771,300	-	20,923,156	14,773,477	6,149,680



**Table 5-10
Infrastructure Costs Covered in the D.C. Calculation – Tillsonburg Wastewater Services**

Prj.No	County Prj.No	Increased Service Needs Attributable to Anticipated Development 2024-2033	Timing (year)	Gross Capital Cost Estimate (2024\$)	Post Period Benefit	Other Deductions	Net Capital Cost	Less:		Potential D.C. Recoverable Cost		
								Benefit to Existing Development	Grants, Subsidies and Other Contributions Attributable to New Development	Total	Residential Share 74%	Non-Residential Share 26%
<u>CAPACITY</u>												
1	900016 SCADA Implementation - Tillsonburg	Implementation of SCADA projects in Tillsonburg	2024-2031	826,348	-		826,348	743,700		-	-	-
2	950250 TBURG	Sanitary Trunk Sewer Infiltration and Inflow Reduction	2024-2027	217,125	-		217,125	108,600		108,525	80,015	28,510
3	950223 TBURG	Sanitary Gravity Trunk Line replacement and upsizing from Vienna Rd to Wastewater Treatment Plant	2024-2025	188,063	-		188,063	94,000		94,063	69,352	24,711
4	950223 TBURG	Gravity inlet trunk sewer replacement to WWTP	2024-2025	36,138	-		36,138	18,100		18,038	13,299	4,739
<u>COLLECTION - VACANT LANDS WITHIN URBAN BOUNDRY</u>												
5	950222 TBURG	John Pound forcemain replacement and upsizing	2027-2028	1,150,500	-		1,150,500	575,300		575,200	424,091	151,109
6	950220 TBURG	John Pound Sewage Pumping Station capacity enhancements	2027-2028	332,000	-		332,000	-		332,000	244,781	87,219
7	950216 TBURG	Cranberry Road Sanitary Trunk extension on Tillson Ave from North of Beckett Blvd to North Town Limit	2024-2027	1,578,875	-	19,500	1,559,375	-		1,559,375	1,149,716	409,659
<u>COLLECTION - EMPLOYMENT LANDS</u>												
<u>Rokeyby Sideroad Industrial Lands</u>												
8	950218 TBURG	Rouse St Sewage Pumping Station upgrades	2028-2030	1,958,452	-		1,958,452	195,800		1,762,652	1,299,590	463,062
9		Tillsonburg WWTP Phase II	2029-2033	8,140,000	4,875,474		3,264,526	-		3,264,526	2,406,911	857,615
		Reserve Fund Adjustment		-	-		-	-		(4,114,697)	(3,033,736)	(1,080,962)
		Total		14,427,500	4,875,474	19,500	9,532,526	1,735,500	-	3,682,329	2,714,953	967,375



**Table 5-11
Infrastructure Costs Covered in the D.C. Calculation – Ingersoll Water Services**

Prj.No	County Prj.No	Increased Service Needs Attributable to Anticipated Development 2024-2033	Timing (year)	Gross Capital Cost Estimate (2024\$)	Post Period Benefit	Net Capital Cost	Less:		Potential D.C. Recoverable Cost		
							Benefit to Existing Development	Grants, Subsidies and Other Contributions Attributable to New Development	Total	Residential Share 67%	Non-Residential Share 33%
<u>CAPACITY</u>											
1	1-260000-26006-6019	Water Efficiency/Buy-Back Program	2024	50,000	-	50,000	-	-	50,000	33,641	16,359
2	900016 SCADA Implementation - Ingersoll	Implementation of SCADA projects in Ingersoll	2024-2031	2,095,905	67,300	2,028,605	1,886,300	-	142,305	95,746	46,559
3	960317 ING	Water Quality Improvements	2028	700,000	45,000	655,000	560,000	-	95,000	63,918	31,082
4	960310 ING	Well 11 Upgrades	2024-2025	1,803,000	115,800	1,687,200	1,442,400	-	244,800	164,707	80,093
5	960309	ING - WELL 7 UPGRADE	2024	350,000	112,400	237,600	-	-	237,600	159,863	77,737
<u>DISTRIBUTION - VACANT LANDS WITHIN URBAN BOUNDRY</u>											
6	960302 ING	Thames Street South Trunk Watermain Extension from CNR to Holcroft	2024-2025	382,320	98,200	284,120	76,500	-	207,620	139,691	67,929
7	960303 ING	Watermain on Hamilton/King St. from boundary to existing water distribution system (Oakwood)	2024-2025	690,300	199,500	490,800	69,000	-	421,800	283,796	138,004
<u>DISTRIBUTION - EMPLOYMENT AREAS</u>											
<u>WALLACE LINE INDUSTRIAL PARK</u>											
8	960338 ING	Wallace Line Trunk Watermain from Robinson Road to Thomas St.	2024-2025	2,515,160	807,700	1,707,460	-	-	1,707,460	1,148,817	558,643
<u>SOUTHWEST INDUSTRIAL PARK</u>											
9	960337 ING	Wallace Line Second Feedermain from Robinson Road to Hwy 401	2030-2031	47,790	15,300	32,490	-	-	32,490	21,860	10,630
10	960337 ING	Second Feedermain Hwy 401 Crossing - Wallace Line to Union Street	2028-2029	1,298,000	416,800	881,200	-	-	881,200	592,891	288,309
11	960337 ING	Union Road Trunk Watermain from Hwy 401 crossing to Curry Road	2030-2031	1,513,350	486,000	1,027,350	-	-	1,027,350	691,224	336,126
12	960337 ING	Curry Road Trunk Watermain from Union Road to future water tower site	2031-2032	3,445,836	1,106,600	2,339,236	-	-	2,339,236	1,573,890	765,346
		Reserve Fund Adjustment							774,366	521,011	253,355
		Total		14,891,661	3,470,600	11,421,061	4,034,200	-	8,161,227	5,491,056	2,670,171



**Table 5-12
Infrastructure Costs Covered in the D.C. Calculation – Ingersoll Wastewater Services**

Prj.No	County Prj.No	Increased Service Needs Attributable to Anticipated Development 2024-2033	Timing (year)	Gross Capital Cost Estimate (2024\$)	Post Period Benefit	Other Deductions	Net Capital Cost	Less:		Potential D.C. Recoverable Cost		
								Benefit to Existing Development	Grants, Subsidies and Other Contributions Attributable to New Development	Total	Residential Share 57%	Non-Residential Share 43%
CAPACITY												
1	950303 ING	Sanitary Trunk Sewer Infiltration and Inflow Reduction	2032	126,750	19,500		107,250	63,400		43,850	25,190	18,660
2	900016 SCADA Implementation - Ingersoll	Implementation of SCADA projects in Ingersoll	2024-2031	1,295,926	39,800		1,256,126	1,166,300		89,826	51,602	38,224
3	950308 ING	Digester Biogas Project	2025-2026	450,000	27,700		422,300	360,000		62,300	35,789	26,511
COLLECTION - VACANT LANDS WITHIN URBAN BOUNDARY												
4	950329 ING	Second Sanitary Trunk Crossing of Thames River	2026-2028	2,428,200	373,300		2,054,900	1,214,100		840,800	483,010	357,790
SOUTHWEST INDUSTRIAL PARK												
5	950336 - ING	Wallace Line Sanitary Sewer from Midblock Industrial Site to north of CNR to Hamilton	2024-2025	3,455,900	1,062,500		2,393,400	-		2,393,400	1,374,923	1,018,477
6	950336 - ING	Hamilton Road Sanitary Sewer from service lands to east of Ingersoll Street and north to existing 675 mm Trunk Sewer	2024-2025	1,775,000	409,300		1,365,700	443,800		921,900	529,599	392,301
7	950336 - ING	Union Road Sanitary Sewer from Culloden Line to Curry Road	2029-2030	622,804	191,500		431,304	-		431,304	247,769	183,535
8	950336 - ING	Curry Road Sanitary Sewer from Union Road to west limit of CPR	2029-2030	1,137,638	349,800		787,838	-		787,838	452,585	335,253
9	950336 - ING	CPR Easement Sanitary Sewer from Curry Road to West Sewage Pumping Station - south of Hwy 401	2028-2029	680,181	209,100		471,081	-		471,081	270,619	200,461
10	950336 - ING	West Sewage Pumping Station - south of Hwy 401	2028-2030	1,927,527	592,600		1,334,927	-		1,334,927	766,868	568,059
11	950336 - ING	Easement Forcemain Hwy 401 crossing from West Sewage Pumping Station to Clarke Road area (existing system)	2030-2032	2,248,748	691,400		1,557,348	-		1,557,348	894,641	662,707
12	950336 - ING	Curry Road Sanitary Sewer from east limit of CPR to Plank Line	2029-2030	1,089,170	334,900		754,270	-		754,270	433,301	320,968
13	950336 - ING	Plank Line Sewage Pumping Station (south of Hwy 401)	2030-2032	1,135,099	349,000		786,099	-		786,099	451,586	334,513
14	950336 - ING	Easement Forcemain from Plank Line Sewage Pumping Station to West Sewage Pumping Station	2030-2031	1,092,053	335,700		756,353	-		756,353	434,498	321,855
15		NPV Principal Payments & Interest Payments- Ingersoll WWTP (Growth-Related Share)	2024-2033	2,353,435	-		2,353,435	-		2,353,435	1,351,965	1,001,470
		Reserve Fund Adjustment								1,214,644	697,770	516,874
		Total		21,818,430	4,986,100	-	16,832,330	3,247,600	-	14,799,374	8,501,716	6,297,658



Table 5-13
Infrastructure Costs Covered in the D.C. Calculation – Plattsville Water Services

Prj.No	County Prj.No	Increased Service Needs Attributable to Anticipated Development 2024-2033	Timing (year)	Gross Capital Cost Estimate (2024\$)	Post Period Benefit	Net Capital Cost	Less:		Potential D.C. Recoverable Cost		
							Benefit to Existing Development	Grants, Subsidies and Other Contributions Attributable to New Development	Total	Residential Share 96%	Non-Residential Share 4%
1	900016 SCADA Implementation - Plattsville	Implementation of SCADA projects in Plattsville	2024-2031	281,204	-	281,204	253,100		28,104	26,849	1,255
2	960429 Manganese Filtration Townships	Manganese Filtration (Townships) - Plattsville	2030-2032	2,265,000	-	2,265,000	1,812,000		453,000	432,775	20,225
3	960404-PLAT	Backup Generation at WTF	2029	427,646	-	427,646	342,100		85,546	81,727	3,819
		Reserve Fund Adjustment		-	-	-	-		339,452	324,296	15,155
		Total		2,973,850	-	2,973,850	2,407,200	-	906,102	865,648	40,454

Table 5-14
Infrastructure Costs Covered in the D.C. Calculation – Plattsville Wastewater Services

Prj.No	County Prj.No	Increased Service Needs Attributable to Anticipated Development 2024-2033	Timing (year)	Gross Capital Cost Estimate (2024\$)	Post Period Benefit	Net Capital Cost	Less:		Potential D.C. Recoverable Cost		
							Benefit to Existing Development	Grants, Subsidies and Other Contributions Attributable to New Development	Total	Residential Share 98%	Non-Residential Share 2%
1	900016 SCADA Implementation - Plattsville	Implementation of SCADA projects in Plattsville	2024-2033	429,048	-	429,048	386,100		42,948	42,289	659
2	950609-PLAT	Plattsville WWTP Operational Enhancement	2025	1,240,000	-	1,240,000	992,000		248,000	244,196	3,804
3	950611-PLAT	Plattsville Forcemain Twinning and Sewage Pumping Station capacity review	2025	125,000	-	125,000	25,000		100,000	98,466	1,534
		Reserve Fund Adjustment		-	-	-	-		770,865	759,041	11,824
		Total		1,794,048	-	1,794,048	1,403,100	-	1,161,813	1,143,992	17,821



Table 5-15
Infrastructure Costs Covered in the D.C. Calculation – Drumbo Water Services

Prj.No	County Prj.No	Increased Service Needs Attributable to Anticipated Development 2024-2033	Timing (year)	Gross Capital Cost Estimate (2024\$)	Post Period Benefit	Net Capital Cost	Less:		Potential D.C. Recoverable Cost		
							Benefit to Existing Development	Grants, Subsidies and Other Contributions Attributable to New Development	Total	Residential Share 95%	Non-Residential Share 5%
1	900016 SCADA Implementation - Drumbo	Implementation of SCADA projects in Drumbo	2024-2031	296,875	12,900	283,975	267,200		16,775	15,912	863
2	960429-Manganese Filtration Townships	Manganese Filtration (Townships) - Drumbo	2033	2,163,000	187,700	1,975,300	1,730,400		244,900	232,295	12,605
3	960420-DRUMBO	New Well Supply	2029-2031	1,697,080	147,300	1,549,780	1,357,700		192,080	182,193	9,887
4	960421-DRUMBO	Backup generation to Wells 1 and 2A	2025	300,000	26,000	274,000	240,000		34,000	32,250	1,750
		Reserve Fund Adjustment		-	-	-	-		(7,444)	(7,061)	(383)
		Total		4,456,955	373,900	4,083,055	3,595,300	-	480,311	455,589	24,722

Table 5-16
Infrastructure Costs Covered in the D.C. Calculation – Drumbo Wastewater Services

Prj.No	County Prj.No	Increased Service Needs Attributable to Anticipated Development 2024-2033	Timing (year)	Gross Capital Cost Estimate (2024\$)	Post Period Benefit	Net Capital Cost	Less:		Potential D.C. Recoverable Cost		
							Benefit to Existing Development	Grants, Subsidies and Other Contributions Attributable to New Development	Total	Residential Share 92%	Non-Residential Share 8%
1	900016 SCADA Implementation - Drumbo	Implementation of SCADA projects in Drumbo	2024-2031	602,837	27,600	575,237	542,600		32,637	30,140	2,497
2	950810-DRUMBO	Drumbo Wastewater Treatment Capacity Expansion (Phase II)	2024	625,000	285,800	339,200	-		339,200	313,243	25,957
		Reserve Fund Adjustment		-	-	-	-		6,440,821	5,947,947	492,874
		Total		1,227,837	313,400	914,437	542,600	-	6,812,658	6,291,330	521,329



**Table 5-17
Infrastructure Costs Covered in the D.C. Calculation – Tavistock Water Services**

Prj.No	County Prj.No	Increased Service Needs Attributable to Anticipated Development 2024-2033	Timing (year)	Gross Capital Cost Estimate (2024\$)	Post Period Benefit	Net Capital Cost	Benefit to Existing Development	Less:	Potential D.C. Recoverable Cost		
								Grants, Subsidies and Other Contributions Attributable to New Development	Total	Residential Share 86%	Non-Residential Share 14%
1	960437-TAV	New Well Supply - Well #4 and Storage	2024-2027	6,831,000	340,000	6,491,000	3,415,500		3,075,500	2,634,640	440,860
2	960462-TAV	Water Tower Rehabilitation and Repainting	2024-2032	4,030,000	80,200	3,949,800	3,224,000		725,800	621,760	104,040
3	1-260000-26006-6019	Water Efficiency/Buy-Back Program	2024	25,000	2,500	22,500	-		22,500	19,275	3,225
4	900016 SCADA Implementation - Tavistock	Implementation of SCADA projects in Tavistock	2024-2031	185,462	1,800	183,662	166,900		16,762	14,359	2,403
5	960429 Manganese Filtration Tavistock	Manganese Filtration Tavistock	2027-2029	3,870,000	77,000	3,793,000	3,096,000		697,000	597,088	99,912
		Reserve Fund Adjustment		-	-	-	-		(592,991)	(507,988)	(85,003)
		Total		14,941,462	501,500	14,439,962	9,902,400	-	3,944,571	3,379,134	565,437



**Table 5-18
Infrastructure Costs Covered in the D.C. Calculation – Tavistock Wastewater Services**

Prj.No	County Prj.No	Increased Service Needs Attributable to Anticipated Development 2024-2033	Timing (year)	Gross Capital Cost Estimate (2024\$)	Post Period Benefit	Other Deductions	Net Capital Cost	Less:		Potential D.C. Recoverable Cost		
								Benefit to Existing Development	Grants, Subsidies and Other Contributions Attributable to New Development	Total	Residential Share 89%	Non-Residential Share 11%
1	950502-TAVI	Sanitary Trunk Sewer Infiltration and Inflow Reduction	2027-2028	63,300	2,700		60,600	31,700		28,900	25,658	3,242
2	900016 SCADA Implementation - Tavistock	Implementation of SCADA projects in Tavistock	2024-2031	632,770	5,500		627,270	569,500		57,770	51,289	6,481
3	950504-TAV	Tavistock Wastewater Treatment Plant Capacity Expansion	2024-2027	36,470,000	1,262,700	18,235,000	16,972,300	3,394,500		13,577,800	12,054,661	1,523,139
4	950551-TAVI	William St Gravity Sewer Replacement and Upsizing	2026-2027	504,450	21,800		482,650	252,200		230,450	204,598	25,852
5	950513-TAV	William Street Sewage Pumping Station Capacity Expansion	2024-2025	7,490,528	291,800	3,745,264	3,453,464	749,100		2,704,364	2,400,992	303,372
6		NPV Principal Payments & Interest Payments (Growth-Related Share)	2024-2029	551,931	-		551,931	-		551,931	490,016	61,915
				-	-		-	-		-	-	-
		Reserve Fund Adjustment		-	-		-	-		152,476	135,371	17,105
		Total		45,712,979	1,584,500	21,980,264	22,148,215	4,997,000	-	17,303,691	15,362,586	1,941,105

**Table 5-19
Infrastructure Costs Covered in the D.C. Calculation – Innerkip Water Services**

Prj.No	County Prj.No	Increased Service Needs Attributable to Anticipated Development 2024-2033	Timing (year)	Gross Capital Cost Estimate (2024\$)	Post Period Benefit	Net Capital Cost	Less:		Potential D.C. Recoverable Cost		
							Benefit to Existing Development	Grants, Subsidies and Other Contributions Attributable to New Development	Total	Residential Share 99%	Non-Residential Share 1%
1	900016 SCADA Implementation - Innerkip	Implementation of SCADA projects in Innerkip	2024-2031	293,844	13,500	280,344	264,500		15,844	15,638	206
				-	-	-	-		-	-	-
				-	-	-	-		-	-	-
		Total		293,844	13,500	280,344	264,500	-	15,844	15,638	206



**Table 5-20
Infrastructure Costs Covered in the D.C. Calculation – Innerkip Wastewater Services**

Prj.No	County Prj.No	Increased Service Needs Attributable to Anticipated Development 2024-2033	Timing (year)	Gross Capital Cost Estimate (2024\$)	Post Period Benefit	Net Capital Cost	Less:		Potential D.C. Recoverable Cost		
							Benefit to Existing Development	Grants, Subsidies and Other Contributions Attributable to New Development	Total	Residential Share 99%	Non-Residential Share 1%
1	951105-INNERKIP	Woodstock to Innerkip Interconnecting Sanitary Forcemain Twinning	2028-2029	7,646,400	1,724,900	5,921,500	3,823,200		2,098,300	2,081,232	17,068
2	900016 SCADA Implementation - Innerkip	Implementation of SCADA projects in Innerkip	2024-2031	373,692	16,900	356,792	336,300		20,492	20,325	167
3	950103 WDSTK	Woodstock WWTP Operational Upgrades	2029-2030	297,286	67,100	230,186	148,600		81,586	80,923	664
4	950128 WDSTK	Thames Valley Sewage Pumping Station	2028-2029	62,184	28,100	34,084	-		34,084	33,807	277
				-	-	-	-		-	-	-
		Total		8,379,562	1,837,000	6,542,562	4,308,100	-	2,234,462	2,216,287	18,175



**Table 5-21
Infrastructure Costs Covered in the D.C. Calculation – Norwich Water Services**

Prj.No	County Prj.No	Increased Service Needs Attributable to Anticipated Development 2024-2033	Timing (year)	Gross Capital Cost Estimate (2024\$)	Post Period Benefit	Net Capital Cost	Benefit to Existing Development	Less:	Potential D.C. Recoverable Cost		
								Grants, Subsidies and Other Contributions Attributable to New Development	Total	Residential Share 87%	Non-Residential Share 13%
1	960432 NORWICH	New Standpipe at Main St WTF (Well 4)	2028-2029	2,500,300	689,200	1,811,100	250,030		1,561,070	1,361,201	199,869
2	960429 Manganese Filtration Townships - Norwich	New Filtration Facility at Main St WTF	2028-2030	2,472,000	151,400	2,320,600	1,977,600		343,000	299,085	43,915
3	1-260000-26006-6019	Water Efficiency/Buy-Back Program	2024	25,000	-	25,000	-		25,000	21,799	3,201
4	900016 SCADA Implementation - Norwich	Implementation of SCADA projects in Norwich	2024-2031	412,029	12,600	399,429	370,826		28,603	24,941	3,662
				-	-	-	-		-	-	-
		Reserve Fund Adjustment		-	-	-	-		(118,713)	(103,514)	(15,199)
		Total		5,409,329	853,200	4,556,129	2,598,456	-	1,838,960	1,603,512	235,448



**Table 5-22
Infrastructure Costs Covered in the D.C. Calculation – Norwich Wastewater Services**

Prj.No	County Prj.No	Increased Service Needs Attributable to Anticipated Development 2024-2033	Timing (year)	Gross Capital Cost Estimate (2024\$)	Post Period Benefit	Net Capital Cost	Less:		Potential D.C. Recoverable Cost		
							Benefit to Existing Development	Grants, Subsidies and Other Contributions Attributable to New Development	Total	Residential Share 77%	Non-Residential Share 23%
		<u>CAPACITY</u>		-	-	-	-		-	-	-
1	900016 SCADA Implementation - Norwich	Implementation of SCADA projects in Norwich	2024-2031	457,905	13,600	444,305	412,100		32,205	24,666	7,539
2	950413-NOR	Sanitary Trunk Sewer Infiltration and Inflow Reduction	2027-2028	63,450	9,400	54,050	31,700		22,350	17,118	5,232
		<u>NORWICH</u>		-	-	-	-		-	-	-
3	950412-NOR	Norwich Wastewater Treatment Plant Capacity Expansion - Phase II	2024-2029	10,800,000	2,884,400	7,915,600	1,080,000		6,835,600	5,235,393	1,600,207
		Reserve Fund Adjustment		-	-	-	-		(4,045,335)	(3,098,326)	(947,009)
		Total		11,321,355	2,907,400	8,413,955	1,523,800	-	2,844,820	2,178,851	665,969



Table 5-23
Infrastructure Costs Covered in the D.C. Calculation – Thamesford Water Services

Prj.No	County Prj.No	Increased Service Needs Attributable to Anticipated Development 2024-2033	Timing (year)	Gross Capital Cost Estimate (2024\$)	Post Period Benefit	Net Capital Cost	Less:		Potential D.C. Recoverable Cost		
							Benefit to Existing Development	Grants, Subsidies and Other Contributions Attributable to New Development	Total	Residential Share 95%	Non-Residential Share 5%
1	960411	Reservoir and Tower CT Enhancement Upgrades	2026	300,000	-	300,000	-		300,000	284,770	15,230
2	900016 SCADA Implementation - Thamesford	Implementation of SCADA projects in Thamesford	2024-2031	572,544	-	572,544	515,300		57,244	54,338	2,906
3	960424	Watermain Trunk Extension	2025-2026	1,188,850	-	1,188,850	-		1,188,850	1,128,496	60,354
				-	-	-	-		-	-	-
4		Provision for Additional Infrastructure	2033	1,421,356	-	1,421,356	-		1,421,356	1,349,198	72,158
		Reserve Fund Adjustment		-	-	-	-		(1,185,778)	(1,125,580)	(60,198)
		Total		3,482,750	-	3,482,750	515,300	-	1,781,672	1,691,222	90,450



Table 5-24
Infrastructure Costs Covered in the D.C. Calculation – Thamesford Wastewater Services

Prj.No	County Prj.No	Increased Service Needs Attributable to Anticipated Development 2024-2033	Timing (year)	Gross Capital Cost Estimate (2024\$)	Post Period Benefit	Net Capital Cost	Less:		Potential D.C. Recoverable Cost		
							Benefit to Existing Development	Grants, Subsidies and Other Contributions Attributable to New Development	Total	Residential Share 98%	Non-Residential Share 2%
1	900016 SCADA Implementation - Thamesford	Implementation of SCADA projects in Thamesford	2024-2031	129,740	-	129,740	116,800		12,940	12,633	307
2	950718 THAMES	Thamesford WWTP Upgrades	2024-2025	5,117,033	-	5,117,033	2,558,500		2,558,533	2,497,811	60,722
				-	-	-	-		-	-	-
3		Provision for Additional Infrastructure	2033	2,293,535	-	2,293,535	-		2,293,535	2,239,102	54,432
				-	-	-	-		-	-	-
		Reserve Fund Adjustment		-	-	-	-		(147,258)	(143,763)	(3,495)
				-	-	-	-				
		Total		7,540,307	-	7,540,307	2,675,300	-	4,717,749	4,605,783	111,966

Table 5-25
Infrastructure Costs Covered in the D.C. Calculation – Embro Water Services

Prj.No	County Prj.No	Increased Service Needs Attributable to Anticipated Development 2024-2033	Timing (year)	Gross Capital Cost Estimate (2024\$)	Post Period Benefit	Net Capital Cost	Less:		Potential D.C. Recoverable Cost		
							Benefit to Existing Development	Grants, Subsidies and Other Contributions Attributable to New Development	Total	Residential Share 81%	Non-Residential Share 19%
1	960451	Reservoir CT Enhancement Upgrades	2031-2032	330,000	51,300	278,700	-		278,700	225,109	53,591
2	900016 SCADA Implementation - Embro	Implementation of SCADA projects in Embro	2024-2031	309,683	4,800	304,883	278,700		26,183	21,148	5,035
				-	-	-	-		-	-	-
				-	-	-	-		-	-	-
		Total		639,683	56,100	583,583	278,700	-	304,883	246,257	58,626



Table 5-26
Infrastructure Costs Covered in the D.C. Calculation – Embro Wastewater Services

Prj.No	County Prj.No	Increased Service Needs Attributable to Anticipated Development 2024-2033	Timing (year)	Gross Capital Cost Estimate (2024\$)	Post Period Benefit	Net Capital Cost	Less:		Potential D.C. Recoverable Cost		
							Benefit to Existing Development	Grants, Subsidies and Other Contributions Attributable to New Development	Total	Residential Share 90%	Non-Residential Share 10%
1	900016 SCADA Implementation - Embro	Implementation of SCADA projects in Embro	2024-2031	359,519	5,000	354,519	323,600		30,919	27,900	3,019
2	NEW	Embro SPS - enhancements	2033	750,000	104,300	645,700	-		645,700	582,650	63,050
3	950103 WDSTK	Woodstock WWTP Operational Upgrades	2029-2030	156,266	10,900	145,366	78,100		67,266	60,697	6,568
4	950128 WDSTK	Thames Valley Sewage Pumping Station	2028-2029	32,686	4,500	28,186	-		28,186	25,434	2,752
				-	-	-	-		-	-	-
		Total		1,298,471	124,700	1,173,771	401,700	-	772,071	696,681	75,390

Table 5-27
Infrastructure Costs Covered in the D.C. Calculation – Mt. Elgin Water Services

Prj.No	County Prj.No	Increased Service Needs Attributable to Anticipated Development 2024-2033	Timing (year)	Gross Capital Cost Estimate (2024\$)	Post Period Benefit	Net Capital Cost	Less:		Potential D.C. Recoverable Cost		
							Benefit to Existing Development	Grants, Subsidies and Other Contributions Attributable to New Development	Total	Residential Share 92%	Non-Residential Share 8%
1	900016 SCADA Implementation - Mt Elgin	Implementation of SCADA projects in Mt Elgin	2024-2031	215,960	3,600	212,360	194,400		17,960	16,455	1,505
2		NPV of future Debt Payments	2024-2033	1,082,422	-	1,082,422	-		1,082,422	991,723	90,698
				-	-	-	-		-	-	-
		Reserve Fund Adjustment		-	-	-	-		(162,970)	(149,315)	(13,656)
		Total		1,298,382	3,600	1,294,782	194,400	-	937,411	858,864	78,548



**Table 5-28
Infrastructure Costs Covered in the D.C. Calculation – Mt Elgin Wastewater Services**

Prj.No	County Prj.No	Increased Service Needs Attributable to Anticipated Development 2024-2033	Timing (year)	Gross Capital Cost Estimate (2024\$)	Post Period Benefit	Net Capital Cost	Less:		Potential D.C. Recoverable Cost		
							Benefit to Existing Development	Grants, Subsidies and Other Contributions Attributable to New Development	Total	Residential Share 91%	Non-Residential Share 9%
1	950905 MT ELGIN -	Mt. Elgin Wastewater Treatment Plant Capacity Expansion Phase 3 and 4	2024-2025	3,238,865	559,200	2,679,665	-		2,679,665	2,432,483	247,182
2	900016 SCADA Implementation - Mount Elgin	Implementation of SCADA projects in Mount Elgin	2024-2031	75,972	1,300	74,672	68,400		6,272	5,693	579
3	950907 Mount Elgin	Forcemain Upsizing	2028	891,250	123,100	768,150	178,300		589,850	535,440	54,410
				-	-	-	-		-	-	-
		Reserve Fund Adjustment		-	-	-	-		560	508	52
		Total		4,206,087	683,600	3,522,487	246,700	-	3,276,347	2,974,125	302,222



Chapter 6

D.C. Calculation



6. D.C. Calculation

The calculation of the maximum D.C.s that could be imposed by Council has been undertaken using a cash-flow approach for the growth-related capital costs identified in Chapter 5. Table 6-1 presents the County-wide D.C. calculation for all County-wide services over the 10-year planning horizon (i.e. 2024-2034). Table 6-2 presents the D.C. calculation for Library services, which are provided by the County in all areas except the City of Woodstock over the 10-year period (i.e. 2024-2034). Finally, Tables 6-3 to 6-13 present the calculations for Water and Wastewater services in the County's various systems over the 10-year planning horizon (i.e. 2024-2034).

The calculation for residential development is generated on a per capita basis and is based upon four forms of housing types (single and semi-detached, apartments 2+ bedrooms, apartment's bachelor and 1 bedroom, all other multiples). Special care/special needs facilities would be considered residential dwelling units and charged the small apartment D.C. The non-residential D.C. has been calculated uniformly on a per sq.m. of G.F.A. basis and on a per bed basis for farm bunk houses.

Wind Turbine developments would be defined as industrial development within the growth forecast. As these developments do not produce G.F.A. similar to other industrial developments, a charging mechanism is deemed. For each Wind Turbine, a charge is deemed equivalent to a residential single detached unit, as it relates to Services Related to a Highway and Ambulance Services only.

The cash-flow calculations of the maximum D.C.s that could be imposed by Council have been undertaken to account for the timing of revenues and expenditures and the resultant financing needs. The cash-flow calculations have been undertaken by service for each forecast development type, i.e. residential, and non-residential. D.C. cash flow calculation tables are provided in Appendix C and have been undertaken to account for 1% earnings on D.C. reserve fund balances and 3% interest charged for reserve fund borrowing.

Table 6-14 summarizes the recommended schedule of charges, reflecting the maximum D.C.s by residential dwelling type, per sq.m. of G.F.A. for non-residential development, per bed for farm bunk houses and per wind turbine. Table 6-15 presents the total charge that would be payable in the first year of the by-law (i.e., 80% of the maximum charge) is also presented.



Tables 6-16 and 6-17 compare the current charges to the calculated charges presented herein for residential (single and semi-detached) and non-residential (per sq.m. of G.F.A.), respectively¹. The residential County-wide charges, including Library Services, will increase by \$2,625 per unit (+50%), while the non-residential County-wide charges will decrease by \$1.79 per sq.m. (-10%). The area specific charges will increase or decrease dependent of the servicing needs identified in the Water and Wastewater Master Plan for the anticipated development.

Table 6-1
County-Wide Services D.C. Calculation
2024-2034

SERVICE/CLASS	2024\$ D.C.-Eligible Cost		2024\$ D.C.-Eligible Cost	
	Residential	Non-Residential	S.D.U.	per sq.m.
	\$	\$	\$	\$
1. Services Related to a Highway	41,652,104	16,198,041	4,258	15.42
2. Ambulance Services	434,946	169,146	48	0.17
3. Long-term Care Facilities	16,841,311	-	1,857	-
4. Waste Diversion Services	1,346,100	-	139	-
TOTAL	\$60,274,462	\$16,367,186	\$6,301	15.59
Financing Costs/(Earnings)	\$1,416,883	\$25,982		
D.C.-Eligible Capital Cost	\$61,691,345	\$16,393,168		
10-Year Gross Population/GFA Growth (sq.m.)	30,546	1,051,560		
Cost Per Capita/Non-Residential GFA (sq.m.)	\$2,019.62	\$15.59		
By Residential Unit Type	P.P.U.			
Single and Semi-Detached Dwelling	3.120	\$6,301		
Other Multiples	2.209	\$4,461		
Apartments - 2 Bedrooms +	1.777	\$3,589		
Apartments - Bachelor and 1 Bedroom	1.128	\$2,278		

¹ Current water and wastewater charges for Embro and Innerkip are connection charges imposed under the authority of the *Municipal Act*



Table 6-2
Library Services D.C. Calculation
2024-2034

SERVICE/CLASS	2024\$ D.C.-Eligible Cost		2024\$ D.C.-Eligible Cost	
	Residential	Non-Residential	S.D.U.	per sq.m.
5. Library Services1	\$ 8,439,964	\$ 444,209	\$ 1,535	\$ 0.85
TOTAL	\$8,439,964	\$444,209	\$1,535	0.85
Financing Costs/(Earnings)	\$42,548	\$2,239		
D.C.-Eligible Capital Cost	\$8,482,512	\$446,448		
10-Year Gross Population/GFA Growth (sq.m.)	17,240	524,113		
Cost Per Capita/Non-Residential GFA (sq.m.)	\$492.03	\$0.85		
By Residential Unit Type	P.P.U.			
Single and Semi-Detached Dwelling	3.120	\$1,535		
Other Multiples	2.209	\$1,087		
Apartments - 2 Bedrooms +	1.777	\$874		
Apartments - Bachelor and 1 Bedroom	1.128	\$555		

Table 6-3
Woodstock Water and Wastewater Services D.C. Calculation
2024-2034

SERVICE/CLASS	2024\$ D.C.-Eligible Cost		2024\$ D.C.-Eligible Cost	
	Residential	Non-Residential	S.D.U.	per sq.m.
6. Woodstock	\$	\$	\$	\$
Water	13,133,678	9,401,551	3,322	17.82
Wastewater	13,849,610	10,058,245	3,497	19.03
TOTAL	\$26,983,288	\$19,459,797	\$6,819	36.86
Financing Costs/(Earnings)	(\$26,717)	(\$19,403)		
D.C.-Eligible Capital Cost	\$26,956,571	\$19,440,394		
10-Year Gross Population/GFA Growth (sq.m.)	13,476	527,448		
Cost Per Capita/Non-Residential GFA (sq.m.)	\$2,000.34	\$36.86		
By Residential Unit Type	P.P.U.			
Single and Semi-Detached Dwelling	3.409	\$6,819		
Other Multiples	2.240	\$4,481		
Apartments - 2 Bedrooms +	1.769	\$3,539		
Apartments - Bachelor and 1 Bedroom	1.124	\$2,247		



Table 6-4
Tillsonburg Water and Wastewater Services D.C. Calculation
2024-2034

SERVICE/CLASS	2024\$ D.C.-Eligible Cost		2024\$ D.C.-Eligible Cost	
	Residential	Non-Residential	S.D.U.	per sq.m.
7. Tillsonburg	\$	\$	\$	\$
Water	14,773,477	6,149,680	6,377	42.30
Wastewater	2,714,953	967,375	1,273	7.23
TOTAL	\$17,488,430	\$7,117,055	\$7,651	49.53
Financing Costs/(Earnings)	\$599,303	\$231,786		
D.C.-Eligible Capital Cost	\$18,087,733	\$7,348,841		
10-Year Gross Population/GFA Growth (sq.m.)	6,463	148,366		
Cost Per Capita/Non-Residential GFA (sq.m.)	\$2,798.66	\$49.53		
By Residential Unit Type	P.P.U.			
Single and Semi-Detached Dwelling	2.734	\$7,651		
Other Multiples	2.179	\$6,098		
Apartments - 2 Bedrooms +	1.745	\$4,885		
Apartments - Bachelor and 1 Bedroom	1.108	\$3,102		

Table 6-5
Ingersoll Water and Wastewater Services D.C. Calculation
2024-2034

SERVICE/CLASS	2024\$ D.C.-Eligible Cost		2024\$ D.C.-Eligible Cost	
	Residential	Non-Residential	S.D.U.	per sq.m.
8. Ingersoll	\$	\$	\$	\$
Water	5,491,056	2,670,171	5,777	13.47
Wastewater	8,501,716	6,297,658	8,908	31.64
TOTAL	\$13,992,771	\$8,967,829	\$14,685	45.11
Financing Costs/(Earnings)	\$56,312	\$32,645		
D.C.-Eligible Capital Cost	\$14,049,084	\$9,000,473		
10-Year Gross Population/GFA Growth (sq.m.)	2,783	199,537		
Cost Per Capita/Non-Residential GFA (sq.m.)	\$5,048.18	\$45.11		
By Residential Unit Type	P.P.U.			
Single and Semi-Detached Dwelling	2.909	\$14,685		
Other Multiples	2.179	\$11,000		
Apartments - 2 Bedrooms +	1.745	\$8,811		
Apartments - Bachelor and 1 Bedroom	1.108	\$5,595		



Table 6-6
Plattsville Water and Wastewater Services D.C. Calculation
2024-2034

SERVICE/CLASS	2024\$ D.C.-Eligible Cost		2024\$ D.C.-Eligible Cost	
	Residential	Non-Residential	S.D.U.	per sq.m.
9. Plattsville				
Water	865,648	40,454	5,102	24.45
Wastewater	1,143,992	17,821	6,671	10.66
TOTAL	\$2,009,640	\$58,275	\$11,773	35.11
Financing Costs/(Earnings)	\$9,284	\$434		
D.C.-Eligible Capital Cost	\$2,018,924	\$58,709		
10-Year Gross Population/GFA Growth (sq.m.)	541	1,672		
Cost Per Capita/Non-Residential GFA (sq.m.)	\$3,731.84	\$35.11		
By Residential Unit Type	P.P.U.			
Single and Semi-Detached Dwelling	3.155	\$11,773		
Other Multiples	2.179	\$8,132		
Apartments - 2 Bedrooms +	1.745	\$6,513		
Apartments - Bachelor and 1 Bedroom	1.108	\$4,136		

Table 6-7
Drumbo Water and Wastewater Services D.C. Calculation
2024-2034

SERVICE/CLASS	2024\$ D.C.-Eligible Cost		2024\$ D.C.-Eligible Cost	
	Residential	Non-Residential	S.D.U.	per sq.m.
10. Drumbo				
Water	455,589	24,722	2,372	4.90
Wastewater	6,291,330	521,329	30,915	97.59
TOTAL	\$6,746,919	\$546,051	\$33,287	102.50
Financing Costs/(Earnings)	\$27,134	\$1,472		
D.C.-Eligible Capital Cost	\$6,774,053	\$547,523		
10-Year Gross Population/GFA Growth (sq.m.)	642	5,342		
Cost Per Capita/Non-Residential GFA (sq.m.)	\$10,551.48	\$102.50		
By Residential Unit Type	P.P.U.			
Single and Semi-Detached Dwelling	3.155	\$33,287		
Other Multiples	2.179	\$22,991		
Apartments - 2 Bedrooms +	1.745	\$18,416		
Apartments - Bachelor and 1 Bedroom	1.108	\$11,695		



Table 6-8
Tavistock Water and Wastewater Services D.C. Calculation
2024-2034

SERVICE/CLASS	2024\$ D.C.-Eligible Cost		2024\$ D.C.-Eligible Cost	
	Residential	Non-Residential	S.D.U.	per sq.m.
11. Tavistock	\$	\$	\$	\$
Water	3,379,134	565,437	7,298	26.17
Wastewater	15,362,586	1,941,105	32,967	95.23
TOTAL	\$18,741,720	\$2,506,542	\$40,265	121.40
Financing Costs/(Earnings)	\$73,719	\$140,577		
D.C.-Eligible Capital Cost	\$18,815,439	\$2,647,119		
10-Year Gross Population/GFA Growth (sq.m.)	1,429	21,804		
Cost Per Capita/Non-Residential GFA (sq.m.)	\$13,166.86	\$121.40		
By Residential Unit Type	P.P.U.			
Single and Semi-Detached Dwelling	3.058	\$40,265		
Other Multiples	2.179	\$28,690		
Apartments - 2 Bedrooms +	1.745	\$22,981		
Apartments - Bachelor and 1 Bedroom	1.108	\$14,594		

Table 6-9
Innerkip Water and Wastewater Services D.C. Calculation
2024-2034

SERVICE/CLASS	2024\$ D.C.-Eligible Cost		2024\$ D.C.-Eligible Cost	
	Residential	Non-Residential	S.D.U.	per sq.m.
15. Innerkip	\$	\$	\$	\$
Water	15,638	206	111	0.70
Wastewater	2,216,287	18,175	16,052	62.84
TOTAL	\$2,231,926	\$18,381	\$16,162	63.54
Financing Costs/(Earnings)	\$61,864	\$508		
D.C.-Eligible Capital Cost	\$2,293,790	\$18,888		
10-Year Gross Population/GFA Growth (sq.m.)	434	297		
Cost Per Capita/Non-Residential GFA (sq.m.)	\$5,285.23	\$63.54		
By Residential Unit Type	P.P.U.			
Single and Semi-Detached Dwelling	3.058	\$16,162		
Other Multiples	2.179	\$11,516		
Apartments - 2 Bedrooms +	1.745	\$9,225		
Apartments - Bachelor and 1 Bedroom	1.108	\$5,858		



Table 6-10
Norwich Water and Wastewater Services D.C. Calculation
2024-2034

SERVICE/CLASS	2024\$ D.C.-Eligible Cost		2024\$ D.C.-Eligible Cost	
	Residential	Non-Residential	S.D.U.	per sq.m.
12. Norwich	\$	\$	\$	\$
Water	1,603,512	235,448	3,894	11.72
Wastewater	2,178,851	665,969	5,999	37.59
TOTAL	\$3,782,363	\$901,417	\$9,894	49.32
Financing Costs/(Earnings)	\$429,397	\$122,611		
D.C.-Eligible Capital Cost	\$4,211,759	\$1,024,028		
10-Year Gross Population/GFA Growth (sq.m.)	1,347	20,764		
Cost Per Capita/Non-Residential GFA (sq.m.)	\$3,126.77	\$49.32		
By Residential Unit Type	P.P.U.			
Single and Semi-Detached Dwelling	3.164	\$9,894		
Other Multiples	2.179	\$6,813		
Apartments - 2 Bedrooms +	1.745	\$5,457		
Apartments - Bachelor and 1 Bedroom	1.108	\$3,466		

Table 6-11
Thamesford Water and Wastewater Services D.C. Calculation
2024-2034

SERVICE/CLASS	2024\$ D.C.-Eligible Cost		2024\$ D.C.-Eligible Cost	
	Residential	Non-Residential	S.D.U.	per sq.m.
13. Thamesford	\$	\$	\$	\$
Water	1,691,222	90,450	3,561	22.79
Wastewater	4,605,783	111,966	9,101	26.48
TOTAL	\$6,297,005	\$202,416	\$12,662	49.27
Financing Costs/(Earnings)	\$234,997	\$9,966		
D.C.-Eligible Capital Cost	\$6,532,002	\$212,382		
10-Year Gross Population/GFA Growth (sq.m.)	1,527	4,311		
Cost Per Capita/Non-Residential GFA (sq.m.)	\$4,277.67	\$49.27		
By Residential Unit Type	P.P.U.			
Single and Semi-Detached Dwelling	2.960	\$12,662		
Other Multiples	2.179	\$9,321		
Apartments - 2 Bedrooms +	1.745	\$7,466		
Apartments - Bachelor and 1 Bedroom	1.108	\$4,741		



Table 6-12
Embro Water and Wastewater Services D.C. Calculation
2024-2034

SERVICE/CLASS	2024\$ D.C.-Eligible Cost		2024\$ D.C.-Eligible Cost	
	Residential	Non-Residential	S.D.U.	per sq.m.
16. Embro	\$	\$	\$	\$
Water	246,257	58,626	2,673	6.61
Wastewater	696,681	75,390	7,687	8.65
TOTAL	\$942,938	\$134,016	\$10,360	15.26
Financing Costs/(Earnings)	\$68,566	\$9,331		
D.C.-Eligible Capital Cost	\$1,011,504	\$143,347		
10-Year Gross Population/GFA Growth (sq.m.)	289	9,392		
Cost Per Capita/Non-Residential GFA (sq.m.)	\$3,500.01	\$15.26		
By Residential Unit Type	P.P.U.			
Single and Semi-Detached Dwelling	2.960	\$10,360		
Other Multiples	2.179	\$7,626		
Apartments - 2 Bedrooms +	1.745	\$6,109		
Apartments - Bachelor and 1 Bedroom	1.108	\$3,879		

Table 6-13
Mt. Elgin Water and Wastewater Services D.C. Calculation
2024-2034

SERVICE/CLASS	2024\$ D.C.-Eligible Cost		2024\$ D.C.-Eligible Cost	
	Residential	Non-Residential	S.D.U.	per sq.m.
14. Mount Elgin	\$	\$	\$	\$
Water	858,864	78,548	3,387	6.96
Wastewater	2,974,125	302,222	11,676	26.64
TOTAL	\$3,832,989	\$380,770	\$15,063	33.60
Financing Costs/(Earnings)	\$4,022	\$368		
D.C.-Eligible Capital Cost	\$3,837,011	\$381,138		
10-Year Gross Population/GFA Growth (sq.m.)	933	11,343		
Cost Per Capita/Non-Residential GFA (sq.m.)	\$4,112.55	\$33.60		
By Residential Unit Type	P.P.U.			
Single and Semi-Detached Dwelling	3.663	\$15,063		
Other Multiples	2.179	\$8,961		
Apartments - 2 Bedrooms +	1.745	\$7,178		
Apartments - Bachelor and 1 Bedroom	1.108	\$4,558		



**Table 6-14
Schedule of Calculated D.C.s**

Service	RESIDENTIAL				NON-RESIDENTIAL		
	Single and Semi-Detached Dwelling	Other Multiples	Apartments - 2 Bedrooms +	Apartments - Bachelor and 1 Bedroom	(per sq.m. of Gross Floor Area)	(per bed for Farm Bunk Houses)	(per Wind Turbine)
County Wide Services:							
Services Related to a Highway	4,258	3,015	2,425	1,539	15.42	1,365	4,258
Library Services ¹	1,535	1,087	874	555	0.85	492	
Ambulance Services	48	34	27	17	0.17	15	48
Long-term Care Facilities	1,857	1,314	1,057	671	0.00		
Waste Diversion Services	139	98	79	50	0.00		
Total County Wide Services	7,836	5,548	4,462	2,832	16.44	1,872	4,306
Area-Specific Services							
Woodstock							
Water	3,322	2,183	1,724	1,095	17.82	1,065	
Wastewater	3,497	2,298	1,815	1,152	19.03	1,121	
Tilsonburg							
Water	6,377	5,083	4,072	2,586	42.30	2,044	
Wastewater	1,273	1,015	813	516	7.23	408	
Ingersoll							
Water	5,777	4,327	3,466	2,201	13.47	1,852	
Wastewater	8,908	6,673	5,345	3,394	31.64	2,855	
Plattsville							
Water	5,102	3,524	2,823	1,793	24.45	1,635	
Wastewater	6,671	4,608	3,691	2,344	10.66	2,138	
Drumbo							
Water	2,372	1,638	1,312	833	4.90	760	
Wastewater	30,915	21,353	17,104	10,862	97.59	9,909	
Tavistock							
Water	7,298	5,200	4,165	2,645	26.17	2,339	
Wastewater	32,967	23,490	18,816	11,949	95.23	10,566	
Innkerip							
Water	111	79	63	40	0.70	36	
Wastewater	16,052	11,437	9,161	5,818	62.84	5,145	
Norwich							
Water	3,894	2,682	2,148	1,364	11.72	1,248	
Wastewater	5,999	4,131	3,309	2,101	37.59	1,923	
Thamesford							
Water	3,561	2,621	2,100	1,333	22.79	1,141	
Wastewater	9,101	6,700	5,366	3,408	26.48	2,917	
Embro							
Water	2,673	1,968	1,576	1,001	6.61	857	
Wastewater	7,687	5,659	4,533	2,878	8.65	2,464	
Mount Elgin							
Water	3,387	2,015	1,614	1,025	6.96	1,086	
Wastewater	11,676	6,946	5,564	3,533	26.64	3,742	

1. The charge for library service is not applicable in Woodstock



Table 6-15
Schedule of Calculated D.C.s (Year 1 – 80%)

Service	RESIDENTIAL				NON-RESIDENTIAL		
	Single and Semi-Detached Dwelling	Other Multiples	Apartments - 2 Bedrooms +	Apartments - Bachelor and 1 Bedroom	(per sq.m. of Gross Floor Area)	(per bed for Farm Bunk Houses)	(per Wind Turbine)
County Wide Services:							
Services Related to a Highway	3,406	2,412	1,940	1,231	12.33	1,092	3,406
Library Services ¹	1,228	870	699	444	0.68	394	-
Ambulance Services	38	27	22	14	0.14	12	38
Long-term Care Facilities	1,485	1,051	846	537	-	-	-
Waste Diversion Services	111	78	63	40	-	-	-
Total County Wide Services	6,269	4,438	3,570	2,266	13.15	1,498	3,445
Area-Specific Services							
Woodstock							
Water	2,658	1,746	1,379	876	14.26	852	
Wastewater	2,797	1,838	1,452	922	15.23	897	
Tilsonburg							
Water	5,102	4,066	3,258	2,069	33.84	1,635	
Wastewater	1,018	812	650	413	5.78	326	
Ingersoll							
Water	4,621	3,462	2,773	1,761	10.77	1,481	
Wastewater	7,127	5,338	4,276	2,715	25.31	2,284	
Plattsville							
Water	4,082	2,819	2,258	1,434	19.56	1,308	
Wastewater	5,337	3,686	2,953	1,875	8.53	1,710	
Drumbo							
Water	1,898	1,310	1,050	666	3.92	608	
Wastewater	24,732	17,082	13,683	8,690	78.07	7,927	
Tavistock							
Water	5,838	4,160	3,332	2,116	20.94	1,871	
Wastewater	26,374	18,792	15,053	9,559	76.19	8,453	
Innkerip							
Water	89	63	50	32	0.56	28	
Wastewater	12,841	9,150	7,329	4,654	50.27	4,116	
Norwich							
Water	3,116	2,146	1,718	1,091	9.38	999	
Wastewater	4,799	3,305	2,647	1,681	30.08	1,538	
Thamesford							
Water	2,849	2,097	1,680	1,066	18.23	913	
Wastewater	7,281	5,360	4,293	2,726	21.18	2,334	
Embro							
Water	2,138	1,574	1,261	801	5.29	685	
Wastewater	6,150	4,527	3,626	2,302	6.92	1,971	
Mount Elgin							
Water	2,710	1,612	1,291	820	5.57	869	
Wastewater	9,341	5,557	4,451	2,826	21.31	2,994	

1. The charge for library service is not applicable in Woodstock



Table 6-16
Comparison of Current and Calculated D.C.s (per single and semi-detached dwelling unit)

Service Area		Current Charge	Calculated Charge	Change (\$)	Change (%)
County Wide		5,211	7,836	2,625	50%
Woodstock	Water	2,491	3,322	831	33%
	Wastewater	4,488	3,497	(991)	-22%
	Total (including County-Wide)	11,552	13,120	1,568	14%
Tillsonburg	Water	2,283	6,377	4,094	179%
	Wastewater	6,879	1,273	(5,606)	-81%
	Total (including County-Wide)	14,373	15,487	1,114	8%
Ingersoll	Water	1,997	5,777	3,780	189%
	Wastewater	7,946	8,908	962	12%
	Total (including County-Wide)	15,154	22,521	7,367	49%
Blandford-Blenheim (Plattsville)	Water	7,931	5,102	(2,829)	-36%
	Wastewater	20,617	6,671	(13,946)	-68%
	Total (including County-Wide)	33,759	19,609	(14,150)	-42%
Blandford-Blenheim (Drumbo)	Water	-	2,372	2,372	n/a
	Wastewater	5,883	30,915	25,032	425%
	Total (including County-Wide)	11,094	41,123	30,029	271%
East Zorra-Tavistock (Tavistock)	Water	1,733	7,298	5,565	321%
	Wastewater	15,556	32,967	17,411	112%
	Total (including County-Wide)	22,500	48,101	25,601	114%
East Zorra-Tavistock (Innerkip)	Water	1,500	111	(1,389)	-93%
	Wastewater	5,000	16,052	11,052	221%
	Total (including County-Wide)	11,711	23,999	12,288	105%
Norwich (Norwich)	Water	2,401	3,894	1,493	62%
	Wastewater	11,339	5,999	(5,340)	-47%
	Total (including County-Wide)	18,951	17,730	(1,221)	-6%
Zorra (Thamesford)	Water	8,997	3,561	(5,436)	-60%
	Wastewater	-	9,101	9,101	n/a
	Total (including County-Wide)	14,208	20,498	6,290	44%
Zorra (Embro)	Water	1,500	2,673	1,173	78%
	Wastewater	5,000	7,687	2,687	54%
	Total (including County-Wide)	11,711	18,196	6,485	55%
South-West Oxford (Mt. Elgin)	Water	8,458	3,387	(5,071)	-60%
	Wastewater	89	11,676	11,587	13019%
	Total (including County-Wide)	13,758	22,899	9,141	66%



Table 6-17
Comparison of Current and Calculated D.C.s (per sq.m. of non-residential G.F.A.)

Service Area		Current Charge	Calculated Charge	Change (\$)	Change (%)
County Wide		18.23	16.44	(1.79)	-10%
Woodstock	Water	9.83	17.82	7.99	81%
	Wastewater	17.23	19.03	1.80	10%
	Total (including County-Wide)	44.71	52.45	7.74	17%
Tillsonburg	Water	10.66	42.30	31.64	297%
	Wastewater	32.09	7.23	(24.86)	-77%
	Total (including County-Wide)	60.98	65.97	4.99	8%
Ingersoll	Water	6.65	13.47	6.82	103%
	Wastewater	26.42	31.64	5.22	20%
	Total (including County-Wide)	51.30	61.55	10.25	20%
Blandford-Blenheim (Plattsville)	Water	37.02	24.45	(12.57)	-34%
	Wastewater	96.23	10.66	(85.57)	-89%
	Total (including County-Wide)	151.48	51.55	(99.93)	-66%
Blandford-Blenheim (Drumbo)	Water	-	4.90	4.90	n/a
	Wastewater	15.01	97.59	82.58	550%
	Total (including County-Wide)	33.24	118.94	85.70	258%
East Zorra-Tavistock (Tavistock)	Water	6.10	26.17	20.07	329%
	Wastewater	54.63	95.23	40.60	74%
	Total (including County-Wide)	78.96	137.84	58.88	75%
East Zorra-Tavistock (Innerkip)	Water	-	0.70	0.70	n/a
	Wastewater	-	62.84	62.84	n/a
	Total (including County-Wide)	18.23	79.98	61.75	339%
Norwich (Norwich)	Water	8.50	11.72	3.22	38%
	Wastewater	40.16	37.59	(2.57)	-6%
	Total (including County-Wide)	66.89	65.76	(1.13)	-2%
Zorra (Thamesford)	Water	29.88	22.79	(7.09)	-24%
	Wastewater	-	26.48	26.48	n/a
	Total (including County-Wide)	48.11	65.71	17.60	37%
Zorra (Embro)	Water	-	6.61	6.61	n/a
	Wastewater	-	8.65	8.65	n/a
	Total (including County-Wide)	18.23	31.70	13.47	74%
South-West Oxford (Mt. Elgin)	Water	24.47	6.96	(17.51)	-72%
	Wastewater	0.24	26.64	26.40	11001%
	Total (including County-Wide)	42.94	50.04	7.10	17%



Chapter 7

D.C. Policy Recommendations and D.C. Policy Rules



7. D.C. Policy Recommendations and D.C. Policy Rules

7.1 Introduction

This chapter outlines the D.C. policy recommendations and by-law rules.

Subsection 5 (1) 9 of the D.C.A. states that rules must be developed:

“to determine if a development charge is payable in any particular case and to determine the amount of the charge, subject to the limitations set out in subsection 6.”

Paragraph 10 of the section goes on to state that the rules may provide for exemptions, phasing in and/or indexing of D.C.s.

Subsection 5 (6) establishes the following restrictions on the rules:

- the total of all D.C.s that would be imposed on anticipated development must not exceed the capital costs determined under subsection 5 (1) 2-7 for all services involved;
- if the rules expressly identify a type of development, they must not provide for it to pay D.C.s that exceed the capital costs that arise from the increase in the need for service for that type of development; however, this requirement does not relate to any particular development; and
- if the rules provide for a type of development to have a lower D.C. than is allowed, the rules for determining D.C.s may not provide for any resulting shortfall to be made up via other development.

With respect to “the rules,” section 6 states that a D.C. by-law must expressly address the matters referred to above re subsection 5 (1) paragraphs 9 and 10, as well as how the rules apply to the redevelopment of land.

The rules provided give consideration for the recent changes to the D.C.A. resulting from Bills 109, 23, 97, and 134. However, these policies are provided for Council’s consideration and may be refined prior to adoption of the by-law.



7.2 D.C. By-law Structure

It is recommended that:

- The County uses a uniform County-wide D.C. calculation for Services Related to a Highway, Ambulance Services, Waste Diversion Services, and Long-Term Care Services. Area-specific D.C. calculations are to be used for Library Services, Water Services, and Wastewater Services in the areas to which the services apply.
- The County uses one by-law for all services.

7.3 D.C. By-law Rules

The following sets out the recommended rules governing the calculation, payment and collection of D.C.s in accordance with subsection 6 of the D.C.A.

7.3.1 Payment in any Particular Case

In accordance with the D.C.A., s.2(2), a D.C. be calculated, payable and collected where the development requires one or more of the following:

- (a) the passing of a zoning by-law or of an amendment to a zoning by-law under section 34 of the Planning Act;
 - (b) the approval of a minor variance under section 45 of the Planning Act;
 - (c) a conveyance of land to which a by-law passed under subsection 50 (7) of the Planning Act applies;
 - (d) the approval of a plan of subdivision under section 51 of the Planning Act;
 - (e) a consent under section 53 of the Planning Act;
 - (f) the approval of a description under section 9 of the Condominium Act, 1998;
- or
- (g) the issuing of a permit under the Building Code Act, 1992 in relation to a building or structure.

7.3.2 Determination of the Amount of the Charge

The following conventions be adopted:



- 1) Costs allocated to residential uses will be assigned to different types of residential units based on the average occupancy for each housing type constructed during the previous 15-year period. Costs allocated to non-residential uses will be assigned based on the amount of square feet of G.F.A. constructed for eligible uses (i.e., primary, industrial, commercial, and institutional).
- 2) Costs allocated to residential and non-residential uses are based upon a number of conventions, as may be suited to each municipal circumstance, as follows:
 - For Library Services a 5% non-residential attribution has been made to recognize use by the non-residential sector;
 - For Waste Diversion and Long-Term Care Services, 100% of the costs have been allocated to the residential sector;
 - For Services Related to a Highway and Ambulance Services, a 72% residential and 28% non-residential attribution has been made based on a population vs. employment growth ratio over the County-wide forecast period;
 - For Water and Wastewater Services, the growth-related costs have been allocated to the residential and non-residential sector based on the anticipated water and wastewater flows over the forecast period.

7.3.3 Application to Redevelopment of Land (Demolition and Conversion)

If a development involves the demolition and replacement of a building or structure on the same site, 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 D.C. in place at the time the D.C. is payable; and/or
- the G.F.A. of the building demolished/converted multiplied by the current non-residential D.C. in place at the time the D.C. is payable.

The demolition credit is allowed only if the land was improved by occupied structures, and if the demolition permit related to the site was issued less than 60 months (5 years) prior to the issuance of a building permit.

The credit can, in no case, exceed the amount of D.C.s that would otherwise be payable. In cases where the existing residential dwelling cannot be removed until the



new dwelling is constructed, the applicant can apply for a refund, provided the existing residential dwelling unit is removed within an agreed upon time period.

7.3.4 Exemptions (full or partial)

Statutory

- The municipality or local board thereof;
- A board of education;
- Industrial additions of up to and including 50% of the existing G.F.A. of the building – for industrial additions which exceed 50% of the existing G.F.A., only the portion of the addition in excess of 50% is subject to D.C.s. Exemptions will only apply to 50% of the G.F.A. prior to the first expansion for which there was an exemption to the payment of D.C.s;
- An enlargement to an existing dwelling unit;
- Additional units in existing and new residential buildings:
 - May add up to two apartments for a single detached, semi-detached or row house (only one unit can be in an ancillary structure)
 - One additional unit or 1% of the units in an existing rental residential building with four or more residential units
- Affordable Units, Attainable Units, and Inclusionary Zoning Units;
- Non-Profit Housing; and
- Universities.

Non-Statutory

- Industrial uses;
- Non-residential farm buildings (excluding bunk houses);
- Places of worship;
- Public hospitals;
- Development in Central Business District and Entrepreneurial Areas;
- Temporary buildings and structures;
- Long-term care homes;
- Affordable housing;
- Temporary dwelling units; and
- Private schools.



For the purposes of funding non-statutory exemptions, the charge for Farm Buildings as defined in the by-law, has been determined to be \$0.50 per sq.m. of G.F.A. reflective of the lower demand for service and density of development.

7.3.5 Transition

As required by s.s. 5(8) of the D.C.A., the maximum charge shall be reduced over the first five years of the by-law as follows:

- Year 1 - 80% of the maximum charge;
- Year 2 - 85% of the maximum charge;
- Year 3 - 90% of the maximum charge;
- Year 4 - 95% of the maximum charge; and
- Year 5 to expiry - 100% of the maximum charge.

7.3.6 Timing of Collection

The D.C.s for all services and classes are payable upon issuance of a building permit for each dwelling unit, building, or structure, subject to early or late payment agreements entered into by the County and an owner under s. 27 of the D.C.A.

Rental housing and institutional developments will pay D.C.s in six equal annual payments commencing at occupancy. Moreover, the D.C. amount for all developments occurring within two (2) years of a Site Plan or Zoning By-law Amendment planning approval (for applications submitted after January 1, 2020), shall be determined based on the D.C. in effect on the day of the applicable Site Plan or Zoning By-law Amendment application.

Installment payments and payments determined at the time of Site Plan or Zoning By-law Amendment application are subject to annual interest charges. The maximum interest rate the County can impose is the average prime rate plus 1% as defined in s.s. 26.3(1) of the Act.

7.3.7 Indexing

Indexing of the D.C.s shall be implemented on a mandatory basis annually on June 13th (i.e., the anniversary date of the by-law coming into effect) each year in accordance with



the Statistics Canada Quarterly, Non-Residential Building Construction Price Index (Table 18-10-0135-01)¹ for the most recent year-over-year period.

7.3.8 D.C Spatial Applicability

The D.C.A. historically has provided the opportunity for a municipality to impose municipal-wide charges or area specific charges. Sections 2(7) and 2(8) of the D.C.A. provide that a D.C. by-law may apply to the entire municipality or only part of it and more than one D.C. by-law may apply to the same area. The D.C.A. now requires municipalities to consider the application of municipal-wide and area-specific D.C.s. s.10(2)(c.1) requires Council to consider the use of more than one D.C. by-law to reflect different needs from services in different areas. Most municipalities in Ontario have established uniform, municipal-wide D.C.s. The County's approach in prior by-laws has been to use area-specific charges for water and wastewater services and for Library Services. County-wide charges are imposed for all other services. When area-specific charges are used, it is generally to underpin master servicing and front-end financing arrangements for more localized capital costs or where services have a defined benefitting area.

Based on the foregoing and discussions with County staff, area-specific D.C.s are suitable for library and water and wastewater services. The recommendations are to continue to apply municipal-wide D.C.s for Services Related to a Highway, Ambulance Services, Waste Diversion Services, and Long-Term Care Services.

7.4 Other D.C. By-law Provisions

It is recommended that:

7.4.1 Categories of Services for Reserve Fund and Credit Purposes

It is recommended that the County's D.C. collections be contributed into 27 separate reserve funds, including:

¹ O. Reg. 82/98 referenced "The Statistics Canada Quarterly, Construction Price Statistics, catalogue number 62-007" as the index source. Since implementation, Statistics Canada has modified this index twice and the above-noted index is the most current. The draft by-laws provided herein refers to O. Reg. 82/98 to ensure traceability should this index continue to be modified over time.



- Services Related to a Highway;
- Ambulance Services;
- Long-Term Care Services;
- Waste Diversion;
- Library Services;
- Woodstock Water;
- Woodstock Wastewater;
- Tillsonburg Water;
- Tillsonburg Wastewater;
- Ingersoll Water;
- Ingersoll Wastewater;
- Plattsville Water;
- Plattsville Wastewater;
- Drumbo Water;
- Drumbo Wastewater;
- Tavistock Water;
- Tavistock Wastewater;
- Innerkip Water;
- Innerkip Wastewater;
- Norwich Water;
- Norwich Wastewater;
- Thamesford Water;
- Thamesford Wastewater;
- Embro Water;
- Embro Wastewater;
- Mount Elgin Water; and
- Mount Elgin Wastewater.

7.4.2 *By-law In-force Date*

The by-law will come into force on June 13, 2024.



7.4.3 Minimum Interest Rate Paid on Refunds and Charged for Inter-Reserve Fund Borrowing

The minimum interest rate is the Bank of Canada rate on the day on which the by-laws come into force (as per s.11 of O. Reg. 82/98).

7.5 Other Recommendations

It is recommended that Council:

“Adopt the D.C. approach to calculate the charges on an area-specific bases for water and wastewater services, and Library Services and on a uniform County-wide bases for all other services within this background study.”

“Approve the capital project listing set out in Chapter 5 of the D.C. Background Study dated April 12, 2024, subject to further annual review during the capital budget process.”

“Approve the D.C. Background Study dated April 12, 2024.”

“Determine that no further public meeting is required.” and

“Approve the D.C. By-law as set out in Appendix E”.



Chapter 8

Asset Management Plan



8. Asset Management Plan

8.1 Introduction

The D.C.A. (new section 10(c.2)) requires that the background study must include an Asset Management Plan (A.M.P) related to new infrastructure. Section 10 (3) of the D.C.A. provides:

The A.M.P. 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 the prescribed manner.**

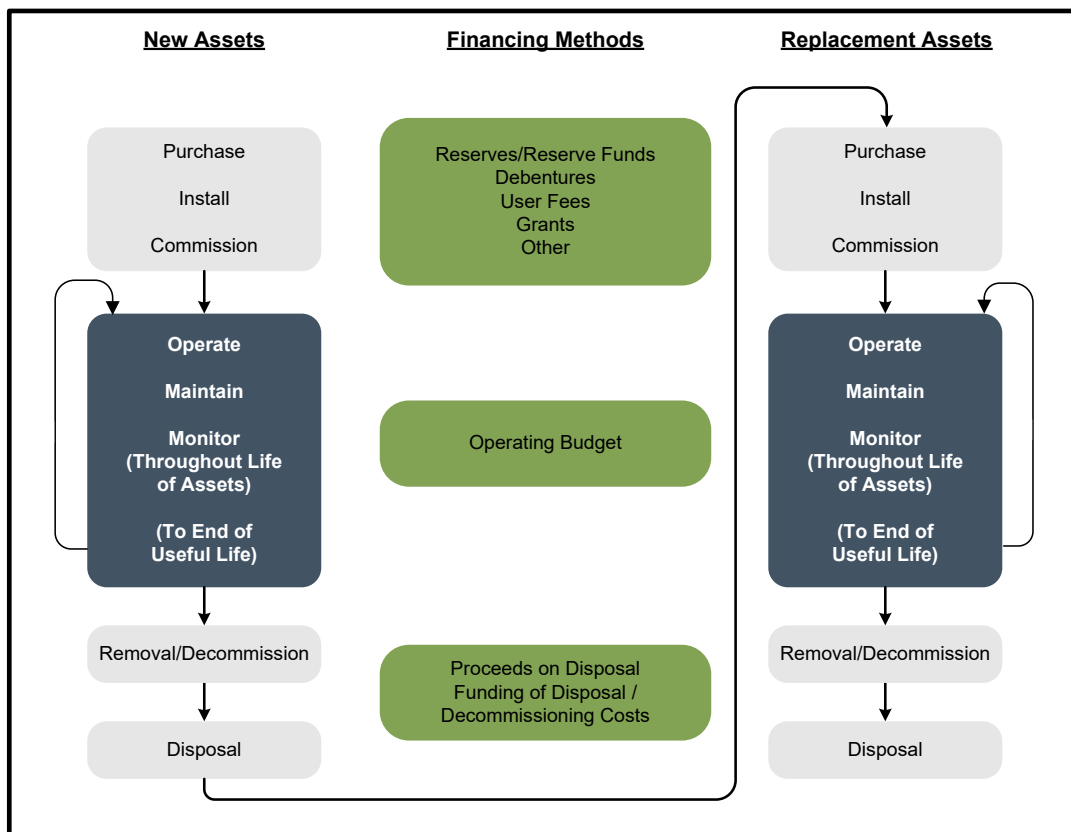
At a broad level, the A.M.P. provides for the long-term investment in an asset over its entire useful life along with the funding. The schematic below identifies the costs for an asset through its entire lifecycle. For growth-related works, the majority of capital costs will be funded by the D.C. Non-growth-related expenditures will then be funded from non-D.C. revenues as noted below. During the useful life of the asset, there will be minor maintenance costs to extend the life of the asset along with additional program related expenditures to provide the full services to the residents. At the end of the life of the asset, it will be replaced by non-D.C. financing sources.

The Province's Infrastructure for *Jobs and Prosperity Act, 2015* (IJPA) was proclaimed on May 1, 2016. This legislation detailed principles for evidence-based and sustainable long-term infrastructure planning. The IJPA also gave the Province the authority to guide municipal asset management planning by way of regulation. In late 2017, the Province introduced O. Reg. 588/17 under the IJPA. The intent of O. Reg. 588/17 is to establish standard content for municipal asset management plans. Specifically, the regulations require that asset management plans be developed that define the current levels of service, identify the lifecycle activities that would be undertaken to achieve these levels of service, and provide a financial strategy to support the levels of service and lifecycle activities. The requirements of O. Reg. 588/17 generally align with previous provincial AMP requirements, as follows:



State of local infrastructure: asset types, quantities, age, condition, financial accounting valuation and replacement cost valuation.

Desired levels of service: defines levels of service through performance measures and discusses any external trends or issues that may affect expected levels of service or the municipality’s ability to meet them (for example, new accessibility standards, climate change impacts).



Asset management strategy: the asset management strategy is the set of planned actions that will seek to generate the desired levels of service in a sustainable way, while managing risk, at the lowest lifecycle cost.

Financing strategy: having a financial plan is critical for putting an A.M.P. into action. By having a strong financial plan, municipalities can also demonstrate that they have made a concerted effort to integrate the A.M.P. with financial planning and municipal budgeting and are making full use of all available infrastructure financing tools.



The asset management requirement for this D.C. Background Study has been undertaken independently of any County's A.M.P.s.

8.2 Asset Management Plan

In recognition to the schematic in Section 8.1, the following table (presented in 2024\$) has been developed to provide the annualized expenditures and revenues associated with new growth. Note that the D.C.A. does not require an analysis of the non-D.C. capital needs or their associated operating costs so these are omitted from the table below. As such, the following does not represent a fiscal impact assessment (including future tax/rate increases) but provides insight into the potential affordability of the new assets:

1. The non-D.C. recoverable portion of the projects which will require financing from County financial resources (i.e., taxation, rates, fees, etc.). This amount has been presented on an annual debt charge amount based on 20-year financing.
2. Lifecycle costs for the 2024 D.C. capital works have been presented based on a sinking fund basis. The assets have been considered over their estimated useful lives.
3. Incremental operating costs for the D.C. services (only) have been included.
4. The resultant total annualized expenditures are \$47.8 million. Of this total, \$20.1 million relates the annual debt payment costs for benefit to existing development of growth-related needs.
5. Consideration was given to the potential new taxation and user fee revenues which will be generated as a result of new growth. These revenues will be available to finance the expenditures above. The new operating revenues are \$27.0 million. This amount, totalled with the existing operating revenues of \$240.4 million, provides annual revenues of \$267.4 million by the end of the period.
6. In consideration of the above, the capital plan is deemed to be financially sustainable when considering the impacts on a County-wide basis.



Table 8-1
Asset Management – Future Expenditures and Associated Revenues (2024\$)

	2033 (Total)
Expenditures (Annualized)	
Annual Debt Payment on Non-Growth Related Capital ¹	\$20,895,783
Annual Debt Payment on Post Period Capital ²	\$3,255,463
Lifecycle:	
Annual Lifecycle - Municipal-wide Services	\$3,395,639
Annual Lifecycle - Area-specific Services ³	\$3,137,326
Sub-Total - Annual Lifecycle	\$6,532,965
Incremental Operating Costs (for D.C. Services)	\$17,119,369
Total Expenditures	\$47,803,580
Revenue (Annualized)	
Total Existing Revenue ⁴	\$240,362,597
Incremental Tax and Non-Tax Revenue (User Fees, Fines, Licences, etc.)	\$27,022,411
Total Revenues	\$267,385,008

¹ Non-Growth Related component of Projects

² Interim Debt Financing for Post Period Benefit

³ All infrastructure costs included in Area Specific by-laws have been included

⁴ As per Sch. 10 of FIR



Chapter 9

By-law Implementation



9. By-law Implementation

9.1 Public Consultation Process

9.1.1 Introduction

This chapter addresses the mandatory, formal public consultation process (section 9.1.2), as well as the optional, informal consultation process (section 9.1.3). The latter is designed to seek the co-operation and participation of those involved, in order to produce the most suitable policy. Section 9.2 addresses the anticipated impact of the D.C. on development from a generic viewpoint.

9.1.2 Public Meeting of Council

Section 12 of the D.C.A. indicates that before passing a D.C. by-law, Council must hold at least one public meeting, giving at least 20 clear days' notice thereof, in accordance with the Regulation. Council must also ensure that the proposed by-law and background report are made available to the public at least two weeks prior to the (first) meeting.

Any person who attends such a meeting may make representations related to the proposed by-law.

If a proposed by-law is changed following such a meeting, Council must determine whether a further meeting (under this section) is necessary (i.e., if the proposed by-law which is proposed for adoption has been changed in any respect, Council should formally consider whether an additional public meeting is required, incorporating this determination as part of the final by-law or associated resolution). It is noted that Council's decision, once made, is final and not subject to review by a Court or the Ontario Land Tribunal (O.L.T.).

9.1.3 Other Consultation Activity

There are three broad groupings of the public who are generally the most concerned with municipal D.C. policy:

1. The first grouping is the residential development community, consisting of land developers and builders, who are typically responsible for generating the majority



of the D.C. revenues. Others, such as realtors, are directly impacted by D.C. policy. They are, therefore, potentially interested in all aspects of the charge, particularly the quantum by unit type, projects to be funded by the D.C. and the timing thereof, and municipal policy with respect to development agreements, D.C. credits and front-ending requirements.

2. The second public grouping embraces the public at large and includes taxpayer coalition groups and others interested in public policy.
3. The third grouping is the industrial/commercial/institutional/primary development sector, consisting of land developers and major owners or organizations with significant construction plans, such as hotels, entertainment complexes, shopping centres, offices, industrial buildings, institutional buildings, and buildings on agricultural lands. Also involved are organizations such as Industry Associations, the Chamber of Commerce, the Board of Trade and the Economic Development Agencies, who are all potentially interested in County D.C. policy. Their primary concern is frequently with the quantum of the charge, gross floor area exclusions such as basements, mechanical or indoor parking areas, or exemptions and phase-in or capping provisions in order to moderate the impact.

9.2 Anticipated Impact of the Charge on Development

The establishment of sound D.C. policy often requires the achievement of an acceptable balance between two competing realities. The first is that high non-residential D.C.s can, to some degree, represent a barrier to increased economic activity and sustained industrial/commercial growth, particularly for capital intensive uses. Also, in many cases, increased residential D.C.s can ultimately be expected to be recovered via housing prices and can impact project feasibility in some cases (e.g., rental apartments).

On the other hand, D.C.s or other municipal capital funding sources need to be obtained in order to help ensure that the necessary infrastructure and amenities are installed. The timely installation of such works is a key initiative in providing adequate service levels and in facilitating strong economic growth, investment, and wealth generation.



9.3 Implementation Requirements

9.3.1 Introduction

Once the County has calculated the charge, prepared the complete background study, carried out the public process and passed a new by-law, the emphasis shifts to implementation matters. These include notices, potential appeals and complaints, credits, front-ending agreements, subdivision agreement conditions and finally the collection of revenues and funding of projects.

The sections that follow present an overview of the requirements in each case.

9.3.2 Notice of Passage

In accordance with section 13 of the D.C.A., when a D.C. by-law is passed, the County's Clerk shall give written notice of the passing and of the last day for appealing the by-law (the day that is 40 days after the day it was passed). Such notice must be given no later than 20 days after the day the by-law is passed (i.e., as of the day of newspaper publication or the mailing of the notice).

Section 10 of O. Reg. 82/98 further defines the notice requirements which are summarized as follows:

- notice may be given by publication in a newspaper which is (in the Clerk's opinion) of sufficient circulation to give the public reasonable notice, or by personal service, fax, or mail to every owner of land in the area to which the by-law relates;
- subsection 10 (4) lists the persons/organizations who must be given notice; and
- subsection 10 (5) lists the eight items that the notice must cover.

9.3.3 By-law Pamphlet

In addition to the “notice” information, the County must prepare a “pamphlet” explaining each D.C. by-law in force, setting out:

- a description of the general purpose of the D.C.s;



- the "rules" for determining if a charge is payable in a particular case and for determining the amount of the charge;
- the services to which the D.C.s relate; and
- a description of the general purpose of the Treasurer's statement and where it may be received by the public.

Where a by-law is not appealed to the O.L.T., the pamphlet must be readied within 60 days after the by-law comes into force. Later dates apply to appealed by-laws.

The County must give one copy of the most recent pamphlet without charge, to any person who requests one.

9.3.4 Appeals

Sections 13 to 19 of the D.C.A. set out the requirements relative to making and processing a D.C. by-law appeal and O.L.T. hearing in response to an appeal. Any person or organization may appeal a D.C. by-law to the O.L.T. by filing a notice of appeal with the County Clerk, setting out the objection to the by-law and the reasons supporting the objection. This must be done by the last day for appealing the by-law, which is 40 days after the by-law is passed.

The County is conducting a public consultation process in order to address the issues that come forward as part of that process, thereby avoiding or reducing the need for an appeal to be made.

9.3.5 Complaints

A person required to pay a D.C., or his agent, may complain to the County Council imposing the charge that:

- the amount of the charge was incorrectly determined;
- the reduction to be used against the D.C. was incorrectly determined; or
- there was an error in the application of the D.C.

Sections 20 to 25 of the D.C.A. set out the requirements that exist, including the fact that a complaint may not be made later than 90 days after a D.C. (or any part of it) is payable. A complainant may appeal the decision of County Council to the O.L.T.



9.3.6 Credits

Sections 38 to 41 of the D.C.A. set out a number of credit requirements, which apply where a municipality agrees to allow a person to perform work in the future that relates to a service in the D.C. by-law.

These credits would be used to reduce the amount of D.C.s to be paid. The value of the credit is limited to the reasonable cost of the work which does not exceed the average level of service. The credit applies only to the service to which the work relates unless the municipality agrees to expand the credit to other services for which a D.C. is payable.

9.3.7 Front-Ending Agreements

The County and one or more landowners may enter into a front-ending agreement that provides for the costs of a project that will benefit an area in the County to which the D.C. by-law applies. Such an agreement can provide for the costs to be borne by one or more parties to the agreement who are, in turn, reimbursed in future by persons who develop land defined in the agreement.

Part III of the D.C.A. (sections 44 to 58) addresses front-ending agreements and removes some of the obstacles to their use which were contained in the Development Charges Act, 1989. Accordingly, the County assesses whether this mechanism is appropriate for its use, as part of funding projects prior to County funds being available.

9.3.8 Severance and Subdivision Agreement Conditions

Section 59 of the D.C.A. prevents a municipality from imposing directly or indirectly, a charge related to development or a requirement to construct a service related to development, by way of a condition or agreement under section 51 or section 53 of the Planning Act, except for:

- "local services, related to a plan of subdivision or within the area to which the plan relates, to be installed or paid for by the owner as a condition of approval under section 51 of the Planning Act;" and
- "local services to be installed or paid for by the owner as a condition of approval under section 53 of the Planning Act."

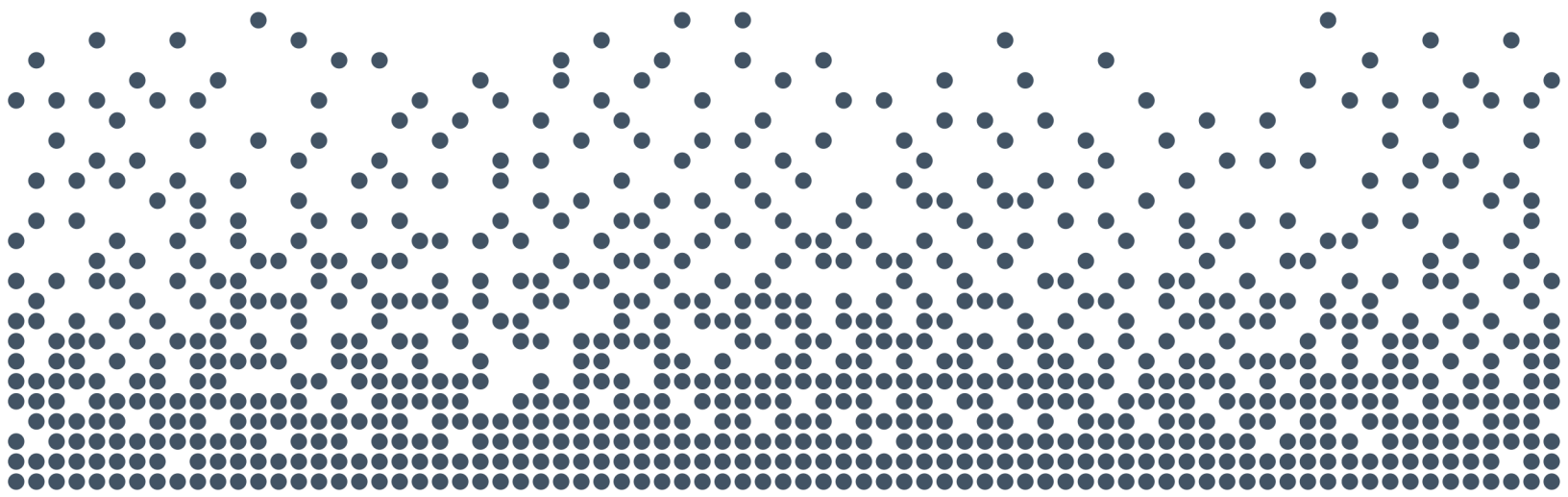


It is also noted that subsection 59 (4) of the D.C.A. requires that the municipal approval authority for a draft plan of subdivision under subsection 51 (31) of the Planning Act, use its power to impose conditions to ensure that the first purchaser of newly subdivided land is informed of all the D.C.s related to the development, at the time the land is transferred.

In this regard, if the municipality in question is a commenting agency, in order to comply with subsection 59 (4) of the D.C.A. it would need to provide to the approval authority information regarding the applicable municipal D.C.s related to the site.

If the County is an approval authority for the purposes of section 51 of the Planning Act, it would be responsible to ensure that it collects information from all entities that can impose a D.C.

The most effective way to ensure that purchasers are aware of this condition would be to require it as a provision in a registered subdivision agreement, so that any purchaser of the property would be aware of the charges at the time the title was searched prior to closing a transaction conveying the lands.



Appendices



Appendix A

Background Information on Residential and Non- Residential Growth Forecast



Schedule 1 County of Oxford Residential Growth Forecast Summary

	Year	Population (Including Census Undercount) ^[1]	Excluding Census Undercount			Housing Units						Person Per Unit (P.P.U.): Total Population/ Total Households
			Population	Institutional Population	Population Excluding Institutional Population	Singles & Semi-Detached	Multiple Dwellings ^[2]	Apartments ^[3]	Other	Total Households	Equivalent Institutional Households	
Historical	Mid 2011	108,760	105,719	1,609	104,110	32,463	3,133	5,453	505	41,554	1,463	2.544
	Mid 2016	114,060	110,862	1,707	109,155	34,275	3,465	6,185	335	44,260	1,552	2.505
	Mid 2021	125,080	121,580	1,526	120,054	36,468	3,989	7,030	321	47,808	1,387	2.543
Forecast	Mid 2024	132,240	128,541	1,618	126,923	37,888	4,896	7,682	321	50,787	1,471	2.531
	Mid 2034	158,760	154,320	2,031	152,289	44,740	7,195	10,471	321	62,727	1,846	2.460
Incremental	Mid 2011 - Mid 2016	5,300	5,143	98	5,045	1,812	332	732	-170	2,706	89	
	Mid 2016 - Mid 2021	11,020	10,718	-181	10,899	2,193	524	845	-14	3,548	-165	
	Mid 2021 - Mid 2024	7,160	6,961	92	6,869	1,420	907	652	0	2,979	84	
	Mid 2024 - Mid 2034	26,520	25,779	413	25,366	6,852	2,299	2,789	0	11,940	375	

[1] Population includes the Census undercount estimated at approximately 2.9% and has been rounded.

[2] Includes townhouses and apartments in duplexes.

[3] Includes bachelor, 1-bedroom, and 2-bedroom+ apartment units.

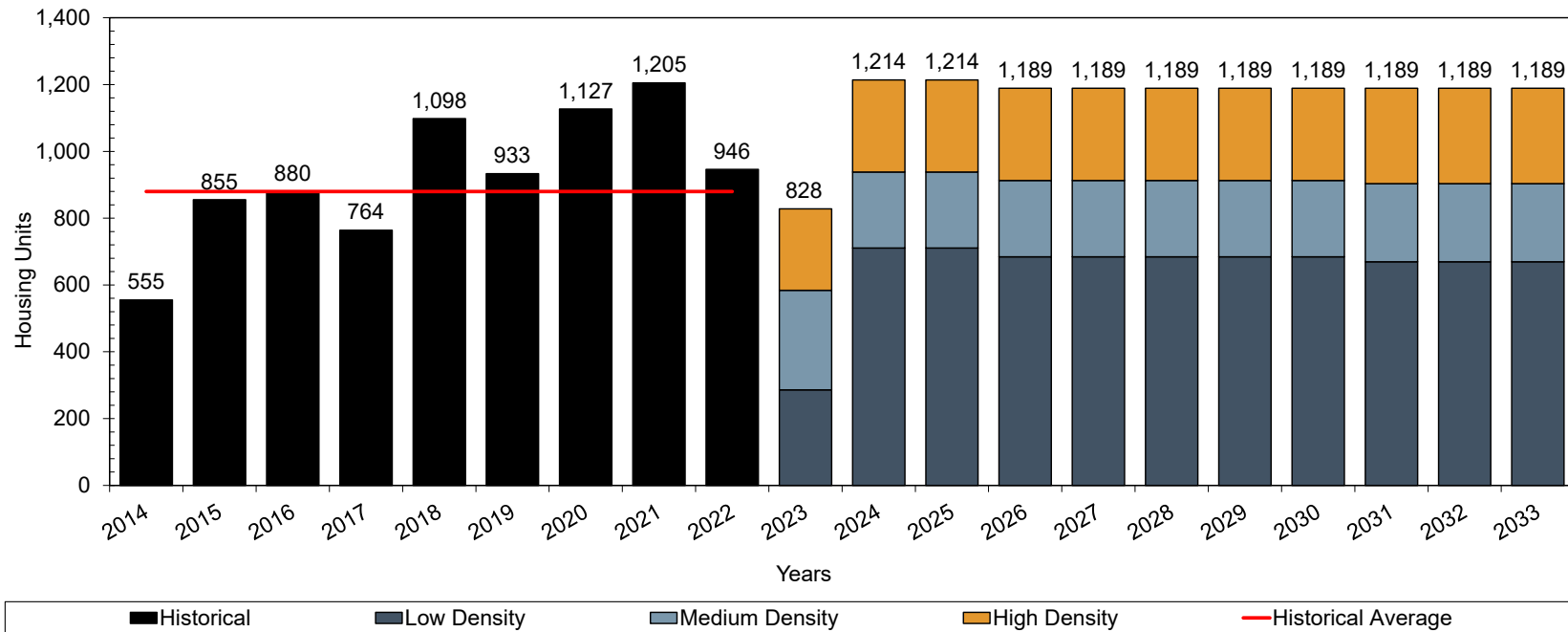
Notes:

Numbers may not add due to rounding.

Source: Watson & Associates Economists Ltd.



Figure 1
County of Oxford
Annual Housing Forecast [1]



[1] Growth forecast represents calendar year.

Source: Historical housing activity derived from County of Oxford building permit data, 2013 to 2022, and 2023 estimated based on June-2023 year-to-date building permit data by Watson & Associates Economists Ltd.



Schedule 2a
County of Oxford
Estimate of the Anticipated Amount, Type and Location of
Residential Development for Which Development Charges can be Imposed

Development Location	Timing	Single & Semi-Detached	Multiples ^[1]	Apartments ^[2]	Total Residential Units	Gross Population in New Units	Existing Unit Population Change	Net Population Increase, Excluding Institutional	Institutional Population	Net Population Including Institutional
City of Woodstock	2024 - 2034	2,482	1,136	1,549	5,167	13,306	-2,903	10,402	170	10,572
Town of Tillsonburg	2024 - 2034	1,655	521	495	2,671	6,372	-806	5,566	91	5,657
Town of Ingersoll	2024 - 2034	654	172	321	1,147	2,739	-23	2,716	44	2,760
Township of Blandford-Blenheim	2024 - 2034	333	68	44	445	1,261	-150	1,111	17	1,128
Township of East Zorra-Tavistock	2024 - 2034	491	130	101	722	1,930	-471	1,459	24	1,483
Township of Norwich	2024 - 2034	427	93	167	687	1,794	-47	1,747	28	1,775
Township of South-West Oxford	2024 - 2034	274	72	11	357	1,176	-402	774	13	787
Township of Zorra	2024 - 2034	536	108	101	745	1,967	-378	1,590	26	1,616
Oxford County	2024 - 2034	6,852	2,299	2,789	11,940	30,546	-5,179	25,366	413	25,779

^[1] Includes townhouses and apartments in duplexes.

^[2] Includes bachelor, 1-bedroom, and 2-bedroom+ apartment units.

Note: Numbers may not add to totals due to rounding.

Source: Watson & Associates Economists Ltd.



Schedule 2b
County of Oxford
Estimate of the Anticipated Amount, Type and Location of
Residential Development for Which Development Charges can be Imposed

Development Location	Timing	Single & Semi-Detached	Multiples ^[1]	Apartments ^[2]	Total Residential Units	Gross Population In New Units	Existing Unit Population Change	Net Population Increase, Excluding Institutional	Institutional Population	Net Population Including Institutional
Urban Serviced Area	2024 - 2034	6,512	2,299	2,789	11,600	29,484	-4,339	25,145	413	25,558
Unserviced Urban Settlement Area and Remaining Rural Areas	2024 - 2034	340	0	0	340	1,061	-841	220	0	220
Oxford County	2024 - 2034	6,852	2,299	2,789	11,940	30,545	-5,180	25,365	413	25,778

^[1] Includes townhouses and apartments in duplexes.

^[2] Includes bachelor, 1-bedroom, and 2-bedroom+ apartment units.

Note: Numbers may not add to totals due to rounding.

Source: Watson & Associates Economists Ltd.



Schedule 3
County of Oxford
Current Year Growth Forecast
Mid-2021 to Mid-2024

		Population
Mid 2021 Population		121,580
Occupants of New Housing Units, Mid 2021 to Mid 2024	<i>Units (2)</i>	2,979
	<i>multiplied by P.P.U. (3)</i>	2,638
	<i>gross population increase</i>	7,857
Occupants of New Equivalent Institutional Units, Mid 2021 to Mid 2024	<i>Units</i>	84
	<i>multiplied by P.P.U. (3)</i>	1,100
	<i>gross population increase</i>	92
Decline in Housing Unit Occupancy, Mid 2021 to Mid 2024	<i>Units (4)</i>	47,808
	<i>multiplied by P.P.U. decline rate (5)</i>	-0.021
	<i>total decline in population</i>	-988
Population Estimate to Mid 2024		128,541
<i>Net Population Increase, Mid 2021 to Mid 2024</i>		6,961

- (1) 2021 population based on Statistics Canada Census unadjusted for Census undercount.
- (2) Estimated residential units constructed, Mid-2021 to the beginning of the growth period assuming a six-month lag between construction and occupancy.
- (3) Average number of persons per unit (P.P.U.) is assumed to be:

Structural Type	Persons Per Unit ¹ (P.P.U.)	% Distribution of Estimated Units ²	Weighted Persons Per Unit Average
<i>Singles & Semi Detached</i>	3.103	48%	1.479
<i>Multiples (6)</i>	2.615	30%	0.796
<i>Apartments (7)</i>	1.655	22%	0.362
Total		100%	2.638

¹ Based on 2021 Census custom database

² Based on Building permit/completion activity

- (4) 2021 households taken from Statistics Canada Census.
- (5) Decline occurs due to aging of the population and family life cycle changes, lower fertility rates and changing economic conditions.
- (6) Includes townhouses and apartments in duplexes.
- (7) Includes bachelor, 1-bedroom and 2-bedroom+ apartments.

Note: Numbers may not add to totals due to rounding.



**Schedule 4
County of Oxford
10-Year Growth Forecast
Mid-2024 to Mid-2034**

		Population
Mid 2024 Population		128,541
Occupants of New Housing Units, Mid 2024 to Mid 2034	<i>Units (2)</i>	11,940
	<i>multiplied by P.P.U. (3)</i>	2,558
	<i>gross population increase</i>	30,545
Occupants of New Equivalent Institutional Units, Mid 2024 to Mid 2034	<i>Units</i>	375
	<i>multiplied by P.P.U. (3)</i>	1,100
	<i>gross population increase</i>	413
Decline in Housing Unit Occupancy, Mid 2024 to Mid 2034	<i>Units (4)</i>	50,787
	<i>multiplied by P.P.U. decline rate (5)</i>	-0.102
	<i>total decline in population</i>	-5,179
Population Estimate to Mid 2034		154,320
Net Population Increase, Mid 2024 to Mid 2034		25,779

(1) Mid 2024 Population based on:

2021 Population (121,580) + Mid 2021 to Mid 2024 estimated housing units to beginning of forecast period (2,979 x 2.638 = 7,857) + (84 x 1.1 = 92) + (47,808 x -0.021 = -988) = 128,541

(2) Based upon forecast building permits/completions assuming a lag between construction and occupancy.

(3) Average number of persons per unit (P.P.U.) is assumed to be:

Structural Type	Persons Per Unit ¹ (P.P.U.)	% Distribution of Estimated Units ²	Weighted Persons Per Unit Average
<i>Singles & Semi Detached</i>	3.120	57%	1.791
<i>Multiples (6)</i>	2.209	19%	0.425
<i>Apartments (7)</i>	1.465	23%	0.342
<i>one bedroom or less</i>	1.128		
<i>two bedrooms or more</i>	1.777		
Total		100%	2.558

¹ Persons per unit based on adjusted Statistics Canada Custom 2021 Census database.

² Forecast unit mix based upon historical trends and housing units in the development process.

(4) Mid 2024 households based upon 2021 Census (47,808 units) + Mid 2021 to Mid 2024 unit estimate (2,979 units) = 50,787 units.

(5) Decline occurs due to aging of the population and family life cycle changes, lower fertility rates and changing economic conditions.

(6) Includes townhouses and apartments in duplexes.

(7) Includes bachelor, 1-bedroom and 2-bedroom+ apartments.

Note: Numbers may not add to totals due to rounding.



Schedule 5
County of Oxford
Historical Residential Building Permits
Years 2013 to 2022

Year	Residential Building Permits			
	Singles & Semi Detached	Multiples ^[1]	Apartments ^[2]	Total
2013	393	34	9	436
2014	396	54	105	555
2015	454	104	297	855
2016	625	143	112	880
2017	604	132	28	764
Sub-total	2,472	467	551	3,490
Average (2013 - 2017)	494	93	110	698
% Breakdown	71%	13%	16%	100%
2018	443	177	478	1,098
2019	509	240	184	933
2020	727	194	206	1,127
2021	571	384	250	1,205
2022	563	225	158	946
Sub-total	2,813	1,220	1,276	5,309
Average (2018 - 2022)	563	244	255	1,062
% Breakdown	53%	23%	24%	100%
2013 - 2022				
Total	5,285	1,687	1,827	8,799
Average	529	169	183	880
% Breakdown	60%	19%	21%	100%

^[1] Includes townhouses and apartments in duplexes.

^[2] Includes bachelor, 1-bedroom, and 2-bedroom+ apartment units.

Source: Historical housing activity derived from County of Oxford data, by Watson & Associates Economists Ltd 2024.



Schedule 6a
County of Oxford
Person Per Unit by Age and Type of Dwelling
(2021 Census)

Age of Dwelling	Singles and Semi-Detached						15 Year Average	15 Year Average Adjusted ^[3]
	< 1 BR	1 BR	2 BR	3/4 BR	5+ BR	Total		
1-5	-	-	2,078	3,149	4,511	3,103		
6-10	-	-	1,932	3,112	4,729	3,092		
11-15	-	-	1,833	3,083	4,680	3,147	3,114	3,120
16-20	-	-	1,878	3,047	4,452	2,992		
20-25	-	-	1,711	2,872	4,115	2,773		
25-35	-	-	1,886	2,748	4,625	2,747		
35+	-	1,433	1,885	2,648	4,139	2,597		
Total	0.714	1.504	1.891	2.779	4.304	2.734		

Age of Dwelling	Multiples ^[1]					Total	15 Year Average	15 Year Average Adjusted ^[3]
	< 1 BR	1 BR	2 BR	3/4 BR	5+ BR			
1-5	-	-	1,960	3,106	-	2,615		
6-10	-	-	-	2,900	-	2,524		
11-15	-	-	1,783	2,150	-	1,816	2,319	2,209
16-20	-	-	2,095	2,450	-	2,250		
20-25	-	-	1,545	2,591	-	2,109		
25-35	-	-	2,357	2,641	-	2,446		
35+	-	1,326	1,993	2,605	-	2,278		
Total	0.348	1.458	1.953	2.672	-	2.307		

Age of Dwelling	Apartments ^[2]					Total	15 Year Average	15 Year Average Adjusted ^[3]
	< 1 BR	1 BR	2 BR	3/4 BR	5+ BR			
1-5	-	1,275	1,732	2,842	-	1,655		
6-10	-	1,250	1,563	-	-	1,373		
11-15	-	1,269	1,574	-	-	1,514	1,514	1,465
16-20	-	1,222	1,471	-	-	1,385		
20-25	-	1,308	1,700	-	-	1,516		
25-35	-	1,147	1,585	-	-	1,467		
35+	-	1,178	1,639	2,617	-	1,476		
Total	0.600	1.198	1.627	2.711	-	1.487		

Age of Dwelling	All Density Types					
	< 1 BR	1 BR	2 BR	3/4 BR	5+ BR	Total
1-5	-	1,353	1,945	3,127	4,333	2,834
6-10	-	1,351	1,816	3,049	4,729	2,888
11-15	-	1,333	1,735	3,006	4,558	2,798
16-20	-	1,240	1,782	3,017	4,344	2,716
20-25	-	1,371	1,683	2,812	4,077	2,531
25-35	-	1,222	1,781	2,716	4,708	2,454
35+	1,615	1,219	1,819	2,643	4,071	2,402
Total	1.667	1.246	1.812	2.762	4.232	2.512

[1] Includes townhomes and apartments in duplexes.

[2] Includes bachelor, 1 bedroom and 2 bedroom+ apartments

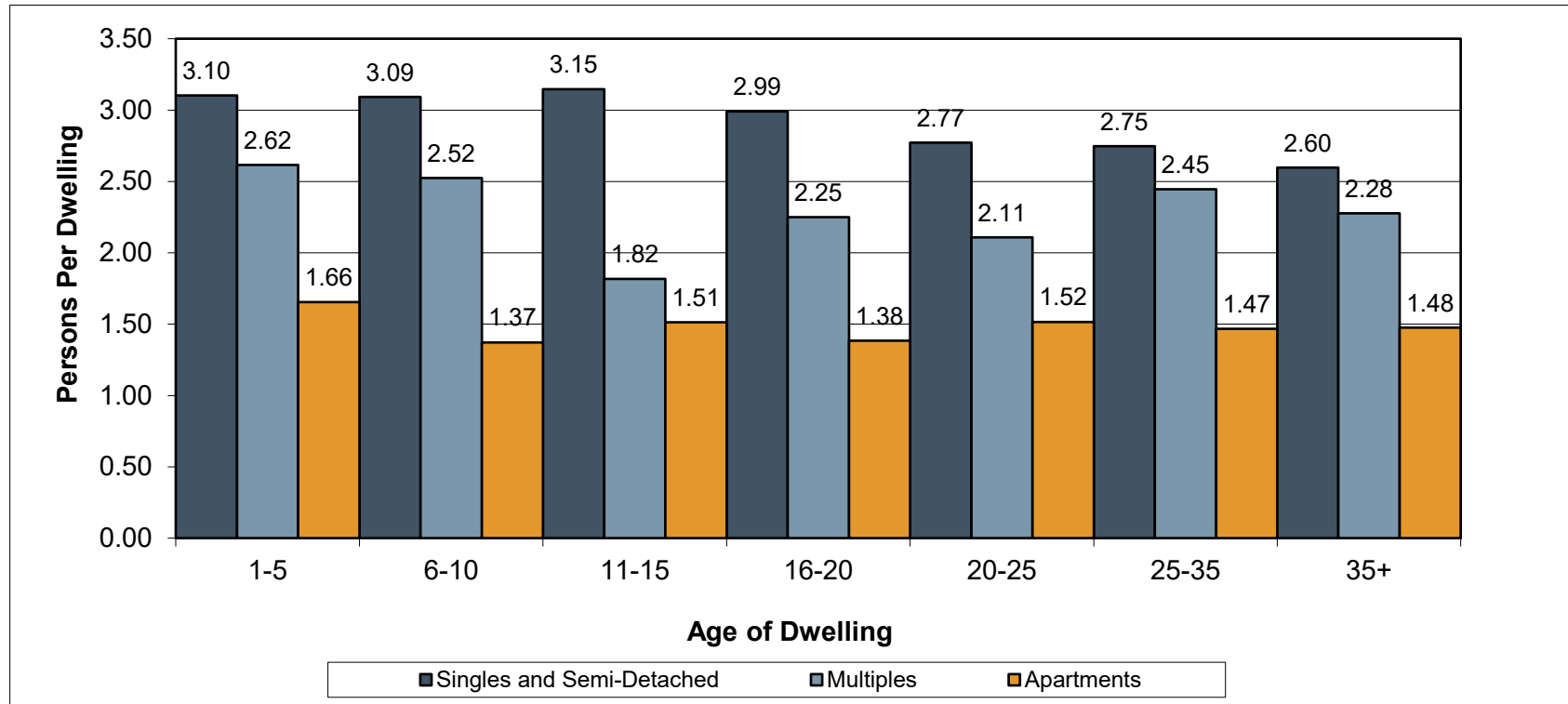
[3] Adjusted based on historical trends.

Note: Does not include Statistics Canada data classified as "Other."

P.P.U. Not calculated for samples less than or equal to 50 dwelling units and does not include institutional population.



Schedule 7
County of Oxford
Person Per Unit Structural Type and Age of Dwelling
(2021 Census)





Schedule 8a County of Oxford Employment Forecast, 2024 to 2034

Period	Population	Activity Rate								Employment								Employment Total (Excluding Work at Home and N.F.P.O.W.)
		Primary	Work at Home	Industrial	Commercial/ Population Related	Institutional	Total	N.F.P.O.W. ^[1]	Total Including N.F.P.O.W.	Primary	Work at Home	Industrial	Commercial/ Population Related	Institutional	Total	N.F.P.O.W. ^[1]	Total Employment (Including N.F.P.O.W.)	
Mid 2011	105,719	0.015	0.050	0.186	0.130	0.074	0.455	0.052	0.507	1,550	5,270	19,693	13,793	7,780	48,085	5,505	53,590	42,815
Mid 2016	110,862	0.012	0.043	0.210	0.131	0.069	0.466	0.052	0.517	1,365	4,800	23,308	14,468	7,675	51,615	5,740	57,355	46,815
Mid 2024	128,541	0.011	0.046	0.211	0.126	0.062	0.456	0.057	0.513	1,375	5,921	27,096	16,177	7,985	58,554	7,329	65,883	52,633
Mid 2034	154,320	0.009	0.046	0.207	0.127	0.063	0.452	0.058	0.510	1,375	7,059	32,019	19,618	9,717	69,789	8,880	78,669	62,729
Incremental Change																		
Mid 2011 - Mid 2016	5,143	-0.002	-0.007	0.024	0.000	-0.004	0.011	0.000	0.010	-185	-470	3,615	675	-105	3,530	235	3,765	4,000
Mid 2016 - Mid 2024	17,679	-0.002	0.003	0.001	-0.005	-0.007	-0.010	0.005	-0.005	10	1,121	3,788	1,710	310	6,939	1,589	8,528	5,818
Mid 2024 - Mid 2034	25,779	-0.002	0.000	-0.003	0.001	0.001	-0.003	0.001	-0.003	0	1,138	4,924	3,441	1,732	11,234	1,551	12,785	10,096
Annual Average																		
Mid 2011 - Mid 2016	1,029	0.000	-0.001	0.005	0.000	-0.001	0.002	0.000	0.002	-37	-94	723	135	-21	706	47	753	800
Mid 2016 - Mid 2024	2,210	0.000	0.000	0.000	-0.001	-0.001	-0.001	0.001	-0.001	1	140	474	214	39	867	199	1,066	727
Mid 2024 - Mid 2034	2,578	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0	114	492	344	173	1,123	155	1,279	1,010

^[1] Statistics Canada defines no fixed place of work (N.F.P.O.W.) employees as "persons who do not go from home to the same workplace location at the beginning of each shift. Such persons include building and landscape contractors, travelling salespersons, independent truck drivers, etc."

Note: Statistics Canada 2021 Census place of work employment data has been reviewed. The 2021 Census employment results have not been utilized due to a significant increase in work at home employment captured due to Census enumeration occurring during the provincial COVID-19 lockdown from April 1, 2021 to June 14, 2021.

Source: Watson & Associates Economists Ltd.



Schedule 8b
County of Oxford
Employment and Gross Floor Area (G.F.A.) Forecast, 2024 to 2034

Period	Population	Employment					Gross Floor Area in Square Feet (Estimated) ^[1]				
		Primary	Industrial	Commercial/ Population Related	Institutional ^[2]	Total	Industrial	Commercial/ Population Related	Institutional ^[2]	Total	
Mid 2011	105,719	1,550	19,693	13,793	7,780	42,815					
Mid 2016	110,862	1,365	23,308	14,468	7,675	46,815					
Mid 2024	128,541	1,375	27,096	16,177	7,985	52,633					
Mid 2034	154,320	1,375	32,019	19,618	9,525	62,537					
Incremental Change											
Mid 2011 - Mid 2016	5,143	-185	3,615	675	-105	4,000					
Mid 2016 - Mid 2024	17,679	10	3,788	1,710	310	5,818					
Mid 2024 - Mid 2034	25,779	0	4,924	3,441	1,540	9,904	8,541,400	1,730,600	1,046,900	11,318,900	
Annual Average											
Mid 2011 - Mid 2016	1,029	-37	723	135	-21	800					
Mid 2016 - Mid 2024	2,210	1	474	214	39	727					
Mid 2024 - Mid 2034	2,578	0	492	344	154	990	854,140	173,060	104,690	1,131,890	

^[1] Square Foot Per Employee Assumptions

Industrial	1,735
Commercial/Population-Related	503
Institutional	680

^[3] Forecast institutional employment and gross floor area has been adjusted downward to account for employment associated with special care units.

*Reflects Mid-2024 to Mid-2034 forecast period.

Note: County of Oxford square foot per employee assumption based on specific averages for each area municipality for the County. Numbers may not add up precisely due to rounding.

Source: Watson & Associates Economists Ltd.



Schedule 8c
County of Oxford
Estimate of the Anticipated Amount, Type and Location of
Non-Residential Development for Which Development Charges Can Be Imposed

Development Location	Timing	Industrial	Commercial	Institutional	Total Non-Residential	Employment Increase ^[3]
		G.F.A. S.F. ^[1]	G.F.A. S.F. ^[1]	G.F.A. S.F. ^{[1],[2]}		
City of Woodstock	2024 - 2034	4,159,400	887,500	630,500	5,677,400	5,528
Town of Tillsonburg	2024 - 2034	920,300	425,600	251,100	1,597,000	1,834
Town of Ingersoll	2024 - 2034	1,850,000	201,600	96,200	2,147,800	1,572
Township of Blandford-Blenheim	2024 - 2034	1,052,200	23,900	7,400	1,083,500	185
Township of East Zorra-Tavistock	2024 - 2034	182,000	51,400	30,700	264,100	244
Township of Norwich	2024 - 2034	151,100	79,400	17,100	247,600	277
Township of South-West Oxford	2024 - 2034	117,000	18,500	2,800	138,300	104
Township of Zorra	2024 - 2034	109,400	42,700	11,100	163,200	158
Oxford County	2024 - 2034	8,541,400	1,730,600	1,046,900	11,318,900	9,904

^[1] Square Foot Per Employee Assumptions

Industrial	1,735
Commercial/Population-Related	503
Institutional	680

^[2] Forecast institutional employment and gross floor area has been adjusted downward to account for employment associated with special care units.

^[3] Employment Increase does not include No Fixed Place of Work.

*Reflects Mid-2024 to Mid-2034 forecast period.

Note: County of Oxford square foot per employee assumption based on specific averages for each area municipality for the County. Numbers may not add to totals due to rounding.

Source: Watson & Associates Economists Ltd.



Schedule 8d
County of Oxford
Estimate of the Anticipated Amount, Type and Location of
Non-Residential Development for Which Development Charges Can Be Imposed

Development Location	Timing	Industrial G.F.A. S.F. ^[1]	Commercial G.F.A. S.F. ^[1]	Institutional G.F.A. S.F. ^{[1],[2]}	Total Non-Residential G.F.A. S.F.	Employment Increase ^[3]
Urban Serviced Area	2024 - 2034	7,487,400	1,701,600	1,039,700	10,228,700	9,706
Unserviced Urban Settlement Area and Remaining Rural Areas	2024 - 2034	1,054,000	29,000	7,200	1,090,200	198
Oxford County	2024 - 2034	8,541,400	1,730,600	1,046,900	11,318,900	9,904

^[1] Square Foot Per Employee Assumptions

Industrial	1,735
Commercial/Population-Related	503
Institutional	680

^[2] Forecast institutional employment and gross floor area has been adjusted downward to account for employment associated with special care units.

^[3] Employment Increase does not include No Fixed Place of Work.

*Reflects Mid-2024 to Mid-2034 forecast period.

Note: County of Oxford square foot per employee assumption based on specific averages for each area municipality for the County. Numbers may not add to totals due to rounding.

Source: Watson & Associates Economists Ltd.



Appendix B

Level of Service



**Table B-1
Service Standard Calculation – Services Related to a Highway – Roads**

**Oxford County
Service Standard Calculation Sheet**

Service: Services Related to a Highway - Roads
Unit Measure: km of roadways

Description	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024 Value (\$/km)
Rural	548.35	548.35	548.35	548.35	548.35	548.35	548.35	548.35	548.35	548.35	548.35	548.35	548.35	548.35	548.35	\$1,820,800
Semi-Urban	31.21	31.21	31.21	31.21	31.21	31.21	31.21	31.21	31.21	31.21	31.21	31.21	53.31	53.31	53.31	\$2,079,100
Urban	64.20	64.20	64.20	64.20	64.20	64.20	64.20	64.20	64.20	64.20	64.20	64.20	64.20	64.20	64.20	\$2,146,900
Guide Rails	19.71	19.71	19.71	19.71	19.71	19.71	19.71	19.71	19.71	19.71	19.71	19.71	19.71	19.71	19.71	\$516,000
Total	663.47	663.47	663.47	663.47	663.47	663.47	663.47	663.47	663.47	663.47	663.47	663.47	685.57	685.57	685.57	

Population	104,740	105,044	105,719	106,407	107,642	108,402	109,355	110,862	112,940	114,823	116,931	118,973	121,580	124,471	126,769
Per Capita Standard	0.0063	0.0063	0.0063	0.0062	0.0062	0.0061	0.0061	0.0060	0.0059	0.0058	0.0057	0.0056	0.0056	0.0055	0.0054

15 Year Average	2009-2023
Quantity Standard	0.0059
Quality Standard	\$1,836,666
Service Standard	\$10,836

D.C. Amount (before deductions)	10 Year
Forecast Population	25,779
\$ per Capita	\$10,836
Eligible Amount	\$279,349,751



Table B-2
Service Standard Calculation – Services Related to a Highway – Bridges and Culverts

Oxford County
Service Standard Calculation Sheet

Service: Services Related to a Highway - Bridges, Culverts & Structures
 Unit Measure: Number of Bridges, Culverts & Structures

Description	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024 Value (\$/item)
Bridges	92	92	92	92	92	92	92	93	93	91	91	91	95	95	95	\$3,800,400
Culverts	65	65	65	65	65	65	65	65	65	67	67	67	69	69	69	\$1,771,000
Total	157	157	157	157	157	157	157	158	158	158	158	158	164	164	164	

Population	104,740	105,044	105,719	106,407	107,642	108,402	109,355	110,862	112,940	114,823	116,931	118,973	121,580	124,471	126,769
Per Capita Standard	0.0015	0.0015	0.0015	0.0015	0.0015	0.0014	0.0014	0.0014	0.0014	0.0014	0.0014	0.0013	0.0013	0.0013	0.0013

15 Year Average	2009-2023
Quantity Standard	0.0014
Quality Standard	\$2,973,571
Service Standard	\$4,163

D.C. Amount (before deductions)	10 Year
Forecast Population	25,779
\$ per Capita	\$4,163
Eligible Amount	\$107,317,977



Table B-3
Service Standard Calculation – Services Related to a Highway – Traffic Signals

Oxford County
Service Standard Calculation Sheet

Service: Services Related to a Highway - Traffic Signals & Streetlights
 Unit Measure: No. of Traffic Signals

Description	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024 Value (\$/item)
Traffic Signals (intersections)	34	34	34	34	34	34	36	37	37	37	37	37	37	37	37	\$386,100
Total	34	34	34	34	34	34	36	37	37	37	37	37	37	37	37	

Population	104,740	105,044	105,719	106,407	107,642	108,402	109,355	110,862	112,940	114,823	116,931	118,973	121,580	124,471	126,769
Per Capita Standard	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003

15 Year Average	2009-2023
Quantity Standard	0.0003
Quality Standard	\$407,567
Service Standard	\$122

D.C. Amount (before deductions)	10 Year
Forecast Population	25,779
\$ per Capita	\$122
Eligible Amount	\$3,151,998



Table B-4

Service Standard Calculation – Services Related to a Highway – Public Works – Vehicles & Equipment

Oxford County
Service Standard Calculation Sheet

Class of Service: Public Works - Vehicles & Equipment
Unit Measure: No. of vehicles and equipment

Description	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024 Value (\$/Vehicle)
Fleet - Backhoe	3	4	4	4	4	4	4	4	4	4	4	4	4	4	4	\$180,300
Fleet - Car	-	-	1	1	1	1	1	1	1	1	1	1	1	1	1	\$33,900
Fleet - Pickup	1	1	3	3	3	3	3	3	3	3	3	3	3	3	3	\$43,400
Fleet - Loader	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	\$120,400
Fleet - Tandem Axle Truck	17	18	20	20	20	20	21	23	23	23	23	23	23	23	23	\$442,600
Fleet - Tractor	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	\$11,500
Fleet - Trailer	1	2	4	6	6	6	6	6	6	6	6	6	6	6	6	\$23,200
Grader	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	\$474,700
Brush Chipper	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	\$71,200
Asphalt Paver	-	1	1	1	1	1	1	1	1	1	1	1	1	1	1	\$208,700
Anti Ice Unit	-	-	4	4	4	4	4	4	4	4	4	4	4	4	4	\$38,500
Forklift	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	\$15,100
Asphalt Roller	-	-	-	-	-	-	-	-	1	1	1	1	1	1	1	\$89,100
Total	31	35	46	48	48	48	49	51	52	52	52	52	52	52	52	

Population	104,740	105,044	105,719	106,407	107,642	108,402	109,355	110,862	112,940	114,823	116,931	118,973	121,580	124,471	126,769
Per Capita Standard	0.0003	0.0003	0.0004	0.0005	0.0004	0.0004	0.0004	0.0005	0.0005	0.0005	0.0004	0.0004	0.0004	0.0004	0.0004

15 Year Average	2009-2023
Quantity Standard	0.0004
Quality Standard	\$256,275
Service Standard	\$103

D.C. Amount (before deductions)	10 Year
Forecast Population	25,779
\$ per Capita	\$103
Eligible Amount	\$2,642,605



Table B-5
Service Standard Calculation – Services Related to a Highway – Public Works – Facilities

Oxford County
 Service Standard Calculation Sheet

Class of Service: Public Works - Facilities
 Unit Measure: sq.ft. of building area

Description	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024 Bld'g Value (\$/sq.ft.)	Value/sq.ft. with land, site works, etc.
Dumbo Patrol Yard																	
Main Building	4,960	4,960	6,200	6,200	6,200	6,200	6,200	6,200	6,200	6,200	7,595	7,595	7,595	7,595	7,595	\$190	\$213
Sand Dome	4,944	4,944	4,944	4,944	4,944	4,944	4,944	4,944	4,944	4,944	4,944	4,944	4,944	4,944	4,944	\$40	\$48
Salt Shed	2,624	2,624	2,624	2,624	2,624	2,624	2,624	2,624	2,624	2,624	2,624	2,624	2,624	2,624	2,624	\$82	\$94
Highland																	
Main Building	7,004	4,960	8,244	8,244	8,244	8,244	8,244	8,244	8,244	8,244	8,244	8,244	8,244	8,244	8,244	\$144	\$162
Sand Dome	4,944	4,944	4,944	4,944	4,944	4,944	4,944	4,944	4,944	4,944	4,944	4,944	4,944	4,944	4,944	\$40	\$48
Salt Shed	2,624	2,624	2,624	2,624	2,624	2,624	2,624	2,624	2,624	2,624	2,624	2,624	2,624	2,624	2,624	\$82	\$94
Sign Shop	873	873	873	873	873	873	873	873	873	873	873	873	873	873	873	\$134	\$151
Storage Building	1,748	1,748	1,748	1,748	1,748	1,748	1,748	1,748	1,812	1,812	1,812	1,812	1,812	1,812	1,812	\$102	\$116
Springford																	
Main Building	7,810	7,810	9,050	9,050	9,050	9,050	9,050	9,050	9,050	9,050	9,220	9,220	9,220	9,220	9,220	\$107	\$122
Sand Dome	4,944	4,944	4,944	4,944	4,944	4,944	4,944	4,944	4,944	4,944	4,944	4,944	4,944	4,944	4,944	\$40	\$48
Salt Shed	2,624	2,624	2,624	2,624	2,624	2,624	2,624	2,624	2,624	2,624	2,624	2,624	2,624	2,624	2,624	\$82	\$94
Sign Shop	-	-	-	-	-	-	-	2,314	2,314	2,314	2,314	2,314	2,314	2,314	2,314	\$134	\$151
Storage Shed	1,332	1,332	1,332	1,332	1,332	1,332	1,332	1,332	1,332	1,332	1,332	1,332	1,332	1,332	1,332	\$3	\$7
Woodstock																	
Main Building	7,111	7,111	7,111	7,111	8,587	8,587	8,587	8,587	8,587	8,587	8,587	8,587	8,587	8,587	8,587	\$80	\$92
Sand Dome	4,944	4,944	4,944	4,944	4,944	4,944	4,944	4,944	4,944	4,944	4,944	4,944	4,944	4,944	4,944	\$40	\$48
Salt Shed	2,624	2,624	2,624	2,624	2,624	2,624	2,624	2,624	2,624	2,624	2,624	2,624	2,624	2,624	2,624	\$82	\$94
Sign Shop	398	398	398	398	398	398	398	398	398	398	398	398	398	398	398	\$134	\$151
Storage Barn	4,165	4,165	4,165	4,165	4,165	4,165	4,165	4,165	4,165	4,165	4,165	4,165	4,165	4,165	4,165	\$3	\$7
Total	65,673	63,629	69,393	69,393	70,869	70,869	70,869	73,184	73,248	73,248	74,813	74,813	74,813	74,813	74,813		

Population	104,740	105,044	105,719	106,407	107,642	108,402	109,355	110,862	112,940	114,823	116,931	118,973	121,580	124,471	126,769
Per Capita Standard	0.6270	0.6057	0.6564	0.6522	0.6584	0.6538	0.6481	0.6601	0.6486	0.6379	0.6398	0.6288	0.6153	0.6010	0.5901

15 Year Average	2009-2023
Quantity Standard	0.6349
Quality Standard	\$99
Service Standard	\$63

D.C. Amount (before deductions)	10 Year
Forecast Population	25,779
\$ per Capita	\$63
Eligible Amount	\$1,614,281



**Table B-6
Service Standard Calculation – Library Services – Facilities**

Oxford County
Service Standard Calculation Sheet

Service: Library Services - Facilities
Unit Measure: sq.ft. of building area

Description	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024 Bld'g Value (\$/sq.ft.)	Value/sq.ft. with land, site works, etc.
Brownsville	700	700	700	700	700	700	700	700	700	700	700	700	700	700	700	\$1,000	\$1,208
Burgessville	800	800	800	800	800	800	800	800	800	800	800	800	800	800	800	\$1,000	\$1,211
Embro	900	900	900	900	900	900	900	900	800	800	800	800	800	800	800	\$1,000	\$1,211
Ingersoll	12,160	12,160	12,160	12,160	12,160	12,160	12,160	12,160	12,160	12,160	12,160	12,160	12,160	12,160	12,160	\$1,000	\$1,208
Innerkip	1,038	1,038	1,038	1,038	1,038	1,038	1,038	1,038	1,038	1,038	1,038	1,038	1,038	1,038	1,038	\$1,000	\$1,208
Mount Elgin	676	676	676	676	676	676	676	676	676	676	676	676	676	676	676	\$1,000	\$1,208
Norwich	5,400	5,400	5,400	5,400	5,400	5,400	5,400	5,400	5,400	5,400	5,400	5,400	5,400	5,400	5,400	\$1,000	\$1,210
Otterville	2,980	2,980	2,980	2,980	2,980	2,980	2,980	2,980	2,980	2,980	2,980	2,980	2,980	2,980	2,980	\$1,000	\$1,209
Plattsville	3,000	3,000	3,000	3,000	3,000	3,000	3,000	3,000	3,000	3,000	3,000	3,000	3,000	3,000	3,000	\$1,000	\$1,208
Princeton	1,100	1,100	1,100	1,100	1,100	1,100	1,100	1,100	1,100	1,100	1,100	1,100	1,100	1,100	1,100	\$1,000	\$1,208
Tavistock	1,414	4,300	4,300	4,300	4,300	4,300	4,300	4,300	4,300	4,300	4,300	4,300	4,300	4,300	4,300	\$1,000	\$1,209
Thamesford	3,217	3,217	3,217	3,217	3,217	3,217	3,217	3,217	3,217	3,217	3,217	3,217	3,217	3,217	3,217	\$1,000	\$1,219
Harrington	1,200	1,200	1,200	1,200	1,200	1,200	1,200	1,200	1,200	1,200	1,200	1,200	1,200	1,200	1,200	\$1,000	\$1,215
Library Headquarters (office space)	4,000	4,000	4,000	4,000	4,000	4,000	4,000	4,000	4,000	2,500	2,500	2,500	2,500	2,500	2,500	\$1,000	\$1,208
Tillsonburg	8,714	8,714	8,714	8,714	8,714	8,714	8,714	8,714	8,714	8,714	8,714	8,714	8,714	8,714	8,714	\$1,000	\$676
Total	47,299	50,185	50,185	50,185	50,185	50,185	50,185	50,185	50,085	48,585	48,585	48,585	48,585	48,585	48,585		

Population	67,800	67,792	67,965	68,314	68,724	69,075	69,535	69,960	70,923	71,809	72,603	73,591	74,875	76,665	77,994
Per Capita Standard	0.6976	0.7403	0.7384	0.7346	0.7302	0.7265	0.7217	0.7173	0.7062	0.6766	0.6692	0.6602	0.6489	0.6337	0.6229

15 Year Average	2009-2023
Quantity Standard	0.6950
Quality Standard	\$1,115
Service Standard	\$775

D.C. Amount (before deductions)	10 Year
Forecast Population	15,207
\$ per Capita	\$775
Eligible Amount	\$11,787,930



Table B-7
Service Standard Calculation – Library Services – Materials

Oxford County
 Service Standard Calculation Sheet

Service: Library Services - Collection Materials
 Unit Measure: No. of library collection items

Description	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024 Value (\$/item)
Tilsonburg Materials	39,373	39,373	39,373	39,373	-	-	-	-	-	-	-	-	-	-	-	\$39
Total Print Materials (inc magazines)	195,999	188,646	187,449	174,020	157,161	147,866	146,259	141,573	139,267	133,648	125,955	130,207	129,185	127,666	127,807	\$39
CDs, DVD's, and Non-Traditional Item	5,563	10,706	12,398	12,526	15,628	18,797	20,308	20,993	19,660	18,795	19,742	18,801	17,083	16,906	16,268	\$40
E-book and e-audiobook titles	2	2	533	1,151	1,654	1,980	2,219	2,569	2,857	2,879	4,965	3,756	3,756	3,769	3,745	\$1,561
Databases Subscriptions	21	27	12	12	9	9	9	17	29	20	20	21	29	28	28	\$7,800
Additional Materials	4,731	9,628	16,260	29,447	46,702	6,668	5,718	2,343	2,513	5,539	920	1,306	1,560	1,121	1,004	\$51
Total	245,689	248,382	256,025	256,529	221,154	175,320	174,513	167,495	164,326	160,881	151,602	154,091	151,613	149,490	148,852	

Population	67,800	67,792	67,965	68,314	68,724	69,075	69,535	69,960	70,923	71,809	72,603	73,591	74,875	76,665	77,994
Per Capita Standard	3.6237	3.6639	3.7670	3.7551	3.2180	2.5381	2.5097	2.3942	2.3170	2.2404	2.0881	2.0939	2.0249	1.9499	1.9085

15 Year Average	2009-2023
Quantity Standard	2.6728
Quality Standard	\$59
Service Standard	\$158

D.C. Amount (before deductions)	10 Year
Forecast Population	15,207
\$ per Capita	\$158
Eligible Amount	\$2,405,517



**Table B-8
Service Standard Calculation – Ambulance Services – Facilities**

**Oxford County
Service Standard Calculation Sheet**

Service: Ambulance Facilities
Unit Measure: sq.ft. of building area

Description	2009	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024 Bld'g Value (\$/sq.ft.)	Value/sq.ft. with land, site works, etc.
Ingersoll Station (Carnegie Street)	2,500	2,500	2,500	2,500	2,500	2,500	2,500	2,500	2,500	2,500	2,500	2,500	\$469	\$520
Woodstock East Station (Bysham Park)	2,800	2,800	2,800	2,800	2,800	2,800	2,800	2,800	2,800	2,800	2,800	2,800	\$469	\$521
Woodstock West Station (Mill Street)	4,060	12,300	12,300	12,300	12,300	12,300	12,300	12,300	12,300	12,300	12,300	12,300	\$469	\$518
Tilsonburg Station (Concession Street)	3,500	3,500	3,500	3,500	3,500	3,500	3,500	3,500	3,500	3,500	3,500	3,500	\$469	\$521
Rural Stations (Norwich, Drumbo, Embro)	7,072	7,072	7,072	7,072	7,072	7,072	7,072	7,072	7,072	7,072	7,072	7,072	\$469	\$522
Griffin Way Facility	-	-	-	-	-	-	-	-	-	-	-	4,467	\$469	\$522
Total	19,932	28,172	28,172	28,172	28,172	28,172	28,172	28,172	28,172	28,172	28,172	32,639		

Population	104,740	107,642	108,402	109,355	110,862	112,940	114,823	116,931	118,973	121,580	124,471	126,769
Per Capita Standard	0.1903	0.2617	0.2599	0.2576	0.2541	0.2494	0.2454	0.2409	0.2368	0.2317	0.2263	0.2575

15 Year Average	2009-2023
Quantity Standard	0.2318
Quality Standard	\$520
Service Standard	\$121

D.C. Amount (before deductions)	10 Year
Forecast Population	25,779
\$ per Capita	\$121
Eligible Amount	\$3,107,658



**Table B-9
Service Standard Calculation – Ambulance Services – Vehicles**

**Oxford County
Service Standard Calculation Sheet**

Service: Ambulance Vehicles & Equipment
Unit Measure: No. of vehicles and equipment

Description	2009	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024 Value (\$/Item)
Ambulances (incl. equipment)	12	12	12	12	12	12	12	13	14	14	14	14	\$447,900
ESU	1	1	1	1	1	1	1	1	1	1	1	1	\$250,300
ERU	3	3	3	3	3	3	3	3	3	3	3	3	\$153,500
Trailer	1	1	1	1	1	1	1	1	1	1	1	1	\$75,100
Cargo Van	-	1	1	1	1	1	1	1	1	1	1	1	\$58,300
Equipment on Other Vehicles	1	1	1	1	1	1	1	1	1	1	1	1	\$504,400
Number of Equiped Paramedics	79	84	84	84	84	84	93	102	103	105	115	117	\$4,000
Total	97	103	103	103	103	103	112	122	124	126	136	138	

Population	104,740	107,642	108,402	109,355	110,862	112,940	114,823	116,931	118,973	121,580	124,471	126,769
Per Capita Standard	0.0009	0.0010	0.0010	0.0009	0.0009	0.0009	0.0010	0.0010	0.0010	0.0010	0.0011	0.0011

15 Year Average	2009-2023
Quantity Standard	0.0010
Quality Standard	\$65,120
Service Standard	\$65

D.C. Amount (before deductions)	10 Year
Forecast Population	25,779
\$ per Capita	\$65
Eligible Amount	\$1,678,728



**Table B-10
Service Standard Calculation – Long-Term Care – Facilities**

**Oxford County
Service Standard Calculation Sheet**

Service: Long-term Care Facilities
Unit Measure: sq.ft. of building area

Description	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024 Bld'g Value (\$/sq.ft.)	Value/sq.ft. with land, site works, etc.
Woodstock	118,230	118,230	118,230	118,230	118,230	118,230	118,230	118,230	118,230	118,230	118,230	118,230	118,230	118,230	118,230	\$788	\$872
Ingersoll	25,188	25,188	25,188	25,188	25,188	25,188	25,188	25,188	25,188	25,188	25,188	25,188	25,188	25,188	25,188	\$788	\$872
Tilsonburg	25,188	25,188	25,188	25,188	25,188	25,188	25,188	25,188	25,188	25,188	25,188	25,188	25,188	25,188	25,188	\$788	\$872
Total	168,606	168,606	168,606	168,606	168,606	168,606	168,606	168,606	168,606	168,606	168,606	168,606	168,606	168,606	168,606		

Population	104,740	105,044	105,719	106,407	107,642	108,402	109,355	110,862	112,940	114,823	116,931	118,973	121,580	124,471	126,769
Per Capita Standard	1.6098	1.6051	1.5949	1.5845	1.5664	1.5554	1.5418	1.5209	1.4929	1.4684	1.4419	1.4172	1.3868	1.3546	1.3300

15 Year Average	2009-2023
Quantity Standard	1.4980
Quality Standard	\$872
Service Standard	\$1,306

D.C. Amount (before deductions)	10 Year
Forecast Population	25,779
\$ per Capita	\$1,306
Eligible Amount	\$33,674,592



Table B-11
Service Standard Calculation – Waste Diversion Services – Facilities – Stations/Depots

Oxford County
Service Standard Calculation Sheet

Service: Waste Diversion - Facilities - Stations/Depots
 Unit Measure: sq.ft. of building area

Description	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024 Bld'g Value (\$/sq.ft.)	Value/sq.ft. with land, site works, etc.
Transfer Station - includes Attendants Booth	1,529	1,529	1,529	1,529	1,529	1,529	1,529	1,529	1,529	1,529	1,529	1,529	1,529	1,529	1,529	\$495	\$549
Attendants Booth / Scalehouse	312	312	312	312	312	312	312	312	312	312	312	312	312	312	312	\$208	\$233
Office	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	3,907	3,907	3,907	3,907	3,907	3,907	\$542	\$601
Quonset Hut (heavy equipment shed)	1,722	1,722	1,722	1,722	1,722	1,722	1,722	1,722	1,722	1,722	1,722	1,722	1,722	1,722	1,722	\$144	\$162
Storage Trailer	140	140	140	140	140	140	140	140	140	140	140	140	140	140	140	\$11	\$16
Hazardous Household Waste Depot	1,722	1,722	1,722	1,722	1,722	1,722	1,722	1,722	1,722	1,722	1,722	1,722	1,722	1,722	1,722	\$72	\$83
Workshop / Storage	3,186	3,186	3,186	3,186	3,186	3,186	3,186	3,186	3,186	3,186	3,186	3,186	3,186	3,186	3,186	\$117	\$133
Coverall	3,681	3,681	3,681	3,681	3,681	3,681	3,681	3,681	3,681	3,681	3,681	3,681	3,681	3,681	3,681	\$32	\$39
Total	14,292	14,292	14,292	14,292	14,292	14,292	14,292	14,292	14,292	16,199	16,199	16,199	16,199	16,199	16,199		
Percentage attributable to Eligible Portion	44%	56%	56%	55%	55%	58%	59%	60%	59%	62%	59%	54%	60%	60%	60%		
Total Eligible Portion of Facilities	6,288	8,004	8,004	7,861	7,861	8,289	8,432	8,575	8,432	10,049	9,572	8,765	9,722	9,696	9,696		

Population	104,740	105,044	105,719	106,407	107,642	108,402	109,355	110,862	112,940	114,823	116,931	118,973	121,580	124,471	126,769
Per Capita Standard	0.0600	0.0762	0.0757	0.0739	0.0730	0.0765	0.0771	0.0774	0.0747	0.0875	0.0819	0.0737	0.0800	0.0779	0.0765

15 Year Average	
Quantity Standard	0.0761
Quality Standard	\$236
Service Standard	\$18

D.C. Amount (before deductions)	
Forecast Population	25,779
\$ per Capita	\$18
Eligible Amount	\$463,506



Table B-12
Service Standard Calculation – Waste Diversion Services – Facilities – Recycling/Reuse

Oxford County
Service Standard Calculation Sheet

Service: Waste Diversion - Facilities - Recycling/Reuse
 Unit Measure: sq.ft. of building area

Description	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024 Bld'g Value (\$/sq.ft.)	Value/sq.ft. with land, site works, etc.
Composting Facility (ha) (since 2005)	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10		
Bio-Solids Storage Facility (since 2008)	73,453	73,453	73,453	73,453	73,453	73,453	73,453	73,453	73,453	73,453	73,453	73,453	73,453	73,453	73,453	\$55,259	\$55,259
Total	73,463	73,463	73,463	73,463	73,463	73,463	73,463	73,463	73,463	73,463	73,463	73,463	73,463	73,463	73,463		
Percentage attributable to Eligible Portion	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%		
Total Eligible Portion of Facilities	73,463	73,463	73,463	73,463	73,463	73,463	73,463	73,463	73,463	73,463	73,463	73,463	73,463	73,463	73,463		

Population	104,740	105,044	105,719	106,407	107,642	108,402	109,355	110,862	112,940	114,823	116,931	118,973	121,580	124,471	126,769
Per Capita Standard	0.7014	0.6994	0.6949	0.6904	0.6825	0.6777	0.6718	0.6627	0.6505	0.6398	0.6283	0.6175	0.6042	0.5902	0.5795

15 Year Average	2009-2023
Quantity Standard	0.6527
Quality Standard	\$55
Service Standard	\$36

D.C. Amount (before deductions)	10 Year
Forecast Population	25,779
\$ per Capita	\$36
Eligible Amount	\$917,217



Table B-13
Service Standard Calculation – Waste Diversion Services – Vehicles & Equipment

Oxford County
Service Standard Calculation Sheet

Service: Waste Diversion - Vehicles & Equipment
 Unit Measure: No. of vehicles and equipment

Description	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024 Value (\$/Vehicle)
Emterra Contract																
Curbside Pick Up Vehicles	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	\$378,600
Supervisor Truck	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	\$49,500
Emterra Contract Eligible %	60%	60%	60%	60%	60%	60%	60%	60%	60%	60%	60%	60%	60%	60%	60%	
Sterling Recycle Truck	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	\$380,200
Eligible %	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	
County-Owned Vehicles & Equipment																
Biosolids Facility																
2011 Bobcat Loader V638	-	-	1	1	1	1	1	1	1	1	1	1	1	1	1	\$136,200
Biosolids Facility Eligible %	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	
Other Vehicles and Equipment																
Caterpillar 924G Loader	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	\$469,400
Case 570MXT Loader/Caterpillar 938K L	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	\$469,400
Doosan Loader	-	-	-	-	-	1	1	1	1	1	1	1	1	1	1	\$469,400
2014 Interstate SFC Trailer	-	-	-	-	-	1	1	1	1	1	1	1	1	1	1	\$15,900
2009 Case Tool Carrier Utility Tractor - Case 570MXT Loader	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	\$121,100
Portable Vacuum Litter Collector	-	-	-	-	-	-	1	1	1	1	1	1	1	1	1	\$16,600
Weigh Scales	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	\$134,600
Other Vehicles Eligible %	44%	56%	56%	55%	55%	58%	59%	60%	59%	62%	59%	54%	60%	60%	60%	
Total	15	15	16	16	16	18	19	19	19	19	19	19	19	19	19	
Percentage attributable to Eligible Portion	59%	61%	64%	64%	64%	64%	64%	64%	64%	65%	64%	62%	64%	64%	64%	
Total Eligible Portion of Facilities	8.8	9.2	10.2	10.2	10.2	11.5	12.1	12.2	12.1	12.3	12.1	11.8	12.2	12.2	12.2	

Population	104,740	105,044	105,719	106,407	107,642	108,402	109,355	110,862	112,940	114,823	116,931	118,973	121,580	124,471	126,769
Per Capita Standard	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001

15 Year Average	2009-2023
Quantity Standard	0.0001
Quality Standard	\$307,900
Service Standard	\$31

D.C. Amount (before deductions)	10 Year
Forecast Population	25,779
\$ per Capita	\$31
Eligible Amount	\$793,735



Table B-14
Service Standard Calculation – Waste Diversion Services – Other

Oxford County
Service Standard Calculation Sheet

Service: Waste Diversion - Other
 Unit Measure: No. of items

Description	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024 Value (\$/item)
Metal Recycling Bins (24)	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	\$900
Bins designated for scrap metal	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	\$17,800
Bins designated for Construction & Demolition		2	2	2	2	2	2	2	2	2	2	2	2	2	2	\$17,800
Bins designated for Cardboard			1	1	1	1	1	1	1	1	1	1	1	1	1	\$17,800
Concrete Bunker designated for Bluebox Recycling Material	-	-	-	-	-	-	-	1	1	1	1	1	1	1	1	\$3,700
Total	26	28	29	29	29	29	29	30	30	30	30	30	30	30	30	
Percentage attributable to Eligible Portion	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	
Total Eligible Portion of Facilities	26	28	29	29	29	29	29	30	30	30	30	30	30	30	30	

Population	104,740	105,044	105,719	106,407	107,642	108,402	109,355	110,862	112,940	114,823	116,931	118,973	121,580	124,471	126,769
Per Capita Standard	0.0002	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0002	0.0002	0.0002

15 Year Average	2009-2023
Quantity Standard	0.0003
Quality Standard	\$3,167
Service Standard	\$1

D.C. Amount (before deductions)	10 Year
Forecast Population	25,779
\$ per Capita	\$1
Eligible Amount	\$24,490



Appendix C

Cash Flow Calculation



Table C-1
Cash Flow Calculation – Services Related to a Highway – Residential

Year	D.C. Reserve Fund Opening Balance	Development Related Expenditures	Development Related Expenditures	Development Related Long-Term Debt	Population Growth	\$1,364.73	Anticipated Revenues	Annual Surplus/ (Deficit)	1% / 3%	D.C. Reserve Fund Closing Balance after Interest
		Nominal Project Cost	Project Cost Inflated at 3%	Existing Debt Payments		Per Capita per Year Inflated at (3%) Starting in 2025			D.C. Reserve Fund Interest Earnings/ (Cost)	
2024	(2,186,354)	2,480,718	2,480,718		3,055	1,364.73	4,168,707	(498,366)	(14,951)	(513,317)
2025	(513,317)	5,031,924	5,182,881		3,055	1,405.67	4,293,768	(1,402,430)	(42,073)	(1,444,503)
2026	(1,444,503)	3,116,632	3,306,435		3,055	1,447.84	4,422,581	(328,357)	(9,851)	(338,208)
2027	(338,208)	2,058,699	2,249,596		3,055	1,491.28	4,555,258	1,967,454	19,675	1,987,129
2028	1,987,129	6,543,909	7,365,228		3,055	1,536.02	4,691,916	(686,183)	(20,585)	(706,768)
2029	(706,768)	5,200,728	6,029,069		3,055	1,582.10	4,832,673	(1,903,164)	(57,095)	(1,960,259)
2030	(1,960,259)	8,336,539	9,954,263		3,055	1,629.56	4,977,654	(6,936,869)	(208,106)	(7,144,975)
2031	(7,144,975)	2,622,769	3,225,675		3,055	1,678.45	5,126,983	(5,243,667)	(157,310)	(5,400,977)
2032	(5,400,977)	3,524,256	4,464,422		3,055	1,728.80	5,280,793	(4,584,606)	(137,538)	(4,722,144)
2033	(4,722,144)	549,576	717,072		3,055	1,780.66	5,439,216	(0)	(0)	(0)
Total		39,465,750	44,975,359	0	30,546		47,789,549		-627,835	

Note: Numbers may not add due to rounding



Table C-2
Cash Flow Calculation – Services Related to a Highway – Non-Residential

Year	D.C. Reserve Fund Opening Balance	Development Related Expenditures	Development Related Expenditures	Development Related Long-Term Debt	Sq. M. of Gross Floor Area	\$15.417	Anticipated Revenues	Annual Surplus/ (Deficit)	1% / 3%	D.C. Reserve Fund Closing Balance after Interest
		Nominal Project Cost	Project Cost Inflated at 3%	Existing Debt Payments		per sq.m. per Year Inflated at (3%) Starting in 2025			D.C. Reserve Fund Interest Earnings /(Cost)	
2024	(850,249)	964,724	964,724		105,156	15.417	1,621,164	(193,809)	(5,814)	(199,623)
2025	(199,623)	1,956,859	2,015,565		105,156	15.879	1,669,799	(545,390)	(16,362)	(561,751)
2026	(561,751)	1,212,023	1,285,836		105,156	16.356	1,719,893	(127,694)	(3,831)	(131,525)
2027	(131,525)	800,605	874,843		105,156	16.846	1,771,489	765,121	7,651	772,772
2028	772,772	2,544,854	2,864,255		105,156	17.352	1,824,634	(266,849)	(8,005)	(274,854)
2029	(274,854)	2,022,505	2,344,638		105,156	17.872	1,879,373	(740,119)	(22,204)	(762,323)
2030	(762,323)	3,241,987	3,871,102		105,156	18.408	1,935,754	(2,697,671)	(80,930)	(2,778,601)
2031	(2,778,601)	1,019,966	1,254,429		105,156	18.961	1,993,827	(2,039,204)	(61,176)	(2,100,380)
2032	(2,100,380)	1,370,544	1,736,164		105,156	19.529	2,053,642	(1,782,902)	(53,487)	(1,836,390)
2033	(1,836,390)	213,724	278,861		105,156	20.115	2,115,251	(0)	(0)	(0)
Total		15,347,792	17,490,418	0	1,051,560		18,584,824		-244,158	

Note: Numbers may not add due to rounding



Table C-3
Cash Flow Calculation – Library Services – Residential

Year	D.C. Reserve Fund Opening Balance	Development Related Expenditures	Development Related Expenditures	Development Related Long-Term Debt	Population Growth	\$492.03	Anticipated Revenues	Annual Surplus/ (Deficit)	1% / 3%	D.C. Reserve Fund Closing Balance after Interest
		Nominal Project Cost	Project Cost Inflated at 3%	Existing Debt Payments		Per Capita per Year Inflated at (3%) Starting in 2025			D.C. Reserve Fund Interest Earnings/ (Cost)	
2024	495,277	893,524	893,524		1,724	492.03	848,251	450,004	4,500	454,504
2025	454,504	893,524	920,330		1,724	506.79	873,699	407,873	4,079	411,952
2026	411,952	893,524	947,940		1,724	521.99	899,910	363,922	3,639	367,561
2027	367,561	893,524	976,378		1,724	537.65	926,907	318,090	3,181	321,271
2028	321,271	893,524	1,005,669		1,724	553.78	954,714	270,316	2,703	273,019
2029	273,019	893,524	1,035,839		1,724	570.39	983,356	220,535	2,205	222,741
2030	222,741	893,524	1,066,915		1,724	587.50	1,012,856	168,682	1,687	170,369
2031	170,369	893,524	1,098,922		1,724	605.13	1,043,242	114,689	1,147	115,836
2032	115,836	893,524	1,131,890		1,724	623.28	1,074,539	58,486	585	59,071
2033	59,071	893,524	1,165,846		1,724	641.98	1,106,775	(0)	(0)	(0)
Total		8,935,241	10,243,253	0	17,240		9,724,250		23,726	

Note: Numbers may not add due to rounding



**Table C-4
Cash Flow Calculation – Library Services – Non-Residential**

Year	D.C. Reserve Fund Opening Balance	Development Related Expenditures	Development Related Expenditures	Development Related Long-Term Debt	Sq. M. of Gross Floor Area	\$0.852	Anticipated Revenues	Annual Surplus/ (Deficit)	1% / 3%	D.C. Reserve Fund Closing Balance after Interest
		Nominal Project Cost	Project Cost Inflated at 3%	Existing Debt Payments		per sq.m. per Year Inflated at (3%) Starting in 2025			D.C. Reserve Fund Interest Earnings /(Cost)	
2024	26,067	47,028	47,028		52,411	0.852	44,645	23,684	237	23,921
2025	23,921	47,028	48,438		52,411	0.877	45,984	21,467	215	21,682
2026	21,682	47,028	49,892		52,411	0.904	47,364	19,154	192	19,345
2027	19,345	47,028	51,388		52,411	0.931	48,785	16,742	167	16,909
2028	16,909	47,028	52,930		52,411	0.959	50,248	14,227	142	14,369
2029	14,369	47,028	54,518		52,411	0.987	51,756	11,607	116	11,723
2030	11,723	47,028	56,153		52,411	1.017	53,308	8,878	89	8,967
2031	8,967	47,028	57,838		52,411	1.048	54,907	6,036	60	6,097
2032	6,097	47,028	59,573		52,411	1.079	56,555	3,078	31	3,109
2033	3,109	47,028	61,360		52,411	1.111	58,251	0	0	0
Total		470,276	539,119	0	524,113		511,803		1,249	

Note: Numbers may not add due to rounding



**Table C-5
Cash Flow Calculation – Ambulance Services – Residential**

Year	D.C. Reserve Fund Opening Balance	Development Related Expenditures	Development Related Expenditures	Development Related Long-Term Debt	Population Growth	\$15.28	Anticipated Revenues	Annual Surplus/ (Deficit)	1% / 3%	D.C. Reserve Fund Closing Balance after Interest
		Nominal Project Cost	Project Cost Inflated at 3%	Existing Debt Payments		Per Capita per Year Inflated at (3%) Starting in 2025			D.C. Reserve Fund Interest Earnings/ (Cost)	
2024	370,734	80,568	80,568		3,055	15.28	46,679	336,846	3,368	340,214
2025	340,214	80,568	82,985		3,055	15.74	48,080	305,309	3,053	308,362
2026	308,362	80,568	85,475		3,055	16.21	49,522	272,410	2,724	275,134
2027	275,134	80,568	88,039		3,055	16.70	51,008	238,103	2,381	240,484
2028	240,484	80,568	90,680		3,055	17.20	52,538	202,342	2,023	204,365
2029	204,365	80,568	93,400		3,055	17.72	54,114	165,079	1,651	166,730
2030	166,730	80,568	96,202		3,055	18.25	55,738	126,265	1,263	127,528
2031	127,528	80,568	99,088		3,055	18.79	57,410	85,849	858	86,708
2032	86,708	80,568	102,061		3,055	19.36	59,132	43,779	438	44,217
2033	44,217	80,568	105,123		3,055	19.94	60,906	0	0	0
Total		805,680	923,622	0	30,546		535,128		17,760	

Note: Numbers may not add due to rounding



**Table C-6
Cash Flow Calculation – Ambulance Services – Non-Residential**

Year	D.C. Reserve Fund Opening Balance	Development Related Expenditures	Development Related Expenditures	Development Related Long-Term Debt	Sq. M. of Gross Floor Area	\$0.173	Anticipated Revenues	Annual Surplus/ (Deficit)	1% / 3%	D.C. Reserve Fund Closing Balance after Interest
		Nominal Project Cost	Project Cost Inflated at 3%	Existing Debt Payments		per sq.m. per Year Inflated at (3%) Starting in 2025			D.C. Reserve Fund Interest Earnings /(Cost)	
2024	144,174	31,332	31,332		105,156	0.173	18,153	130,995	1,310	132,305
2025	132,305	31,332	32,272		105,156	0.178	18,698	118,731	1,187	119,919
2026	119,919	31,332	33,240		105,156	0.183	19,259	105,937	1,059	106,996
2027	106,996	31,332	34,237		105,156	0.189	19,836	92,596	926	93,521
2028	93,521	31,332	35,264		105,156	0.194	20,432	78,689	787	79,475
2029	79,475	31,332	36,322		105,156	0.200	21,044	64,198	642	64,839
2030	64,839	31,332	37,412		105,156	0.206	21,676	49,103	491	49,594
2031	49,594	31,332	38,534		105,156	0.212	22,326	33,386	334	33,720
2032	33,720	31,332	39,690		105,156	0.219	22,996	17,025	170	17,195
2033	17,195	31,332	40,881		105,156	0.225	23,686	0	0	0
Total		313,320	359,186	0	1,051,560		208,105		6,907	

Note: Numbers may not add due to rounding



**Table C-7
Cash Flow Calculation – Long-Term Care Services – Residential**

Year	D.C. Reserve Fund Opening Balance	Development Related Expenditures	Development Related Expenditures	Development Related Long-Term Debt	Population Growth	\$595.05	Anticipated Revenues	Annual Surplus/ (Deficit)	1% / 3%	D.C. Reserve Fund Closing Balance after Interest
		Nominal Project Cost	Project Cost Inflated at 3%	Existing Debt Payments		Per Capita per Year Inflated at (3%) Starting in 2025			D.C. Reserve Fund Interest Earnings/ (Cost)	
2024	-		-		3,055	595.05	1,817,640	1,817,640	18,176	1,835,817
2025	1,835,817		-		3,055	612.90	1,872,169	3,707,986	37,080	3,745,066
2026	3,745,066		-		3,055	631.29	1,928,334	5,673,400	56,734	5,730,134
2027	5,730,134		-		3,055	650.23	1,986,184	7,716,319	77,163	7,793,482
2028	7,793,482		-		3,055	669.73	2,045,770	9,839,252	98,393	9,937,644
2029	9,937,644		-	1,088,548	3,055	689.83	2,107,143	10,956,239	109,562	11,065,801
2030	11,065,801		-	1,088,548	3,055	710.52	2,170,357	12,147,610	121,476	12,269,086
2031	12,269,086		-	1,088,548	3,055	731.84	2,235,468	13,416,006	134,160	13,550,166
2032	13,550,166		-	1,088,548	3,055	753.79	2,302,532	14,764,150	147,642	14,911,792
2033	14,911,792		-	17,283,400	3,055	776.41	2,371,608	-	-	-
Total		0	0	21,637,593	30,546		20,837,207		800,386	

Note: Numbers may not add due to rounding



**Table C-8
Cash Flow Calculation – Waste Diversion Services – Residential**

Year	D.C. Reserve Fund Opening Balance	Development Related Expenditures	Development Related Expenditures	Development Related Long-Term Debt	Population Growth	\$44.56	Anticipated Revenues	Annual Surplus/ (Deficit)	1% / 3%	D.C. Reserve Fund Closing Balance after Interest
		Nominal Project Cost	Project Cost Inflated at 3%	Existing Debt Payments		Per Capita per Year Inflated at (3%) Starting in 2025			D.C. Reserve Fund Interest Earnings/ (Cost)	
2024	48,942	-	8,915		3,055	44.56	136,108	176,135	1,761	177,897
2025	177,897	-	17,830		3,055	45.90	140,192	300,258	3,003	303,260
2026	303,260	196,660	235,382		3,055	47.27	144,397	212,275	2,123	214,398
2027	214,398	196,660	250,557		3,055	48.69	148,729	112,571	1,126	113,697
2028	113,697	196,660	265,919		3,055	50.15	153,191	969	10	979
2029	979	196,660	281,474		3,055	51.66	157,787	(122,709)	(3,681)	(126,390)
2030	(126,390)	196,660	297,229		3,055	53.21	162,520	(261,099)	(7,833)	(268,932)
2031	(268,932)	-	71,322		3,055	54.80	167,396	(172,857)	(5,186)	(178,043)
2032	(178,043)	-	80,237		3,055	56.45	172,418	(85,862)	(2,576)	(88,438)
2033	(88,438)	-	89,152		3,055	58.14	177,590	(0)	(0)	(0)
Total		983,300	1,598,018	0	30,546		1,560,329		-11,254	

Note: Numbers may not add due to rounding



**Table C-9
Cash Flow Calculation – Woodstock Water Services – Residential**

Year	D.C. Reserve Fund Opening Balance	Development Related Expenditures	Development Related Expenditures	Development Related Long-Term Debt	Population Growth	\$974.60	Anticipated Revenues	Annual Surplus/ (Deficit)	1% / 3%	D.C. Reserve Fund Closing Balance after Interest
		Nominal Project Cost	Project Cost Inflated at 3%	Existing Debt Payments		Per Capita per Year Inflated at (3%) Starting in 2025			D.C. Reserve Fund Interest Earnings/ (Cost)	
2024	(225,348)	2,236,811	2,236,811	206,914	1,348	974.60	1,313,368	(1,355,706)	(40,671)	(1,396,377)
2025	(1,396,377)	1,536,602	1,582,700	353,283	1,348	1,003.84	1,352,769	(1,979,591)	(59,388)	(2,038,978)
2026	(2,038,978)	457,340	485,192	353,283	1,348	1,033.95	1,393,352	(1,484,101)	(44,523)	(1,528,624)
2027	(1,528,624)	1,721,526	1,881,158	353,282	1,348	1,064.97	1,435,152	(2,327,911)	(69,837)	(2,397,749)
2028	(2,397,749)	2,357,700	2,653,612	353,282	1,348	1,096.92	1,478,207	(3,926,436)	(117,793)	(4,044,229)
2029	(4,044,229)	839,601	973,327	353,282	1,348	1,129.83	1,522,553	(3,848,285)	(115,449)	(3,963,734)
2030	(3,963,734)	644,884	770,025	353,283	1,348	1,163.72	1,568,230	(3,518,812)	(105,564)	(3,624,377)
2031	(3,624,377)	10,173	12,511	353,283	1,348	1,198.63	1,615,277	(2,374,894)	(71,247)	(2,446,140)
2032	(2,446,140)	12,546	15,893	353,282	1,348	1,234.59	1,663,735	(1,151,581)	(34,547)	(1,186,128)
2033	(1,186,128)	133,538	174,237	353,282	1,348	1,271.63	1,713,647	0	0	0
Total		9,950,720	10,785,466	3,386,456	13,476		15,056,290		-659,020	

Note: Numbers may not add due to rounding



Table C-10
Cash Flow Calculation – Woodstock Water Services – Non-Residential

Year	D.C. Reserve Fund Opening Balance	Development Related Expenditures	Development Related Expenditures	Development Related Long-Term Debt	Sq. M. of Gross Floor Area	\$17.825	Anticipated Revenues	Annual Surplus/ (Deficit)	1% / 3%	D.C. Reserve Fund Closing Balance after Interest
		Nominal Project Cost	Project Cost Inflated at 3%	Existing Debt Payments		per sq.m. per Year Inflated at (3%) Starting in 2025			D.C. Reserve Fund Interest Earnings /(Cost)	
2024	(161,312)	1,601,189	1,601,189	148,116	52,745	17.825	940,155	(970,462)	(29,114)	(999,576)
2025	(999,576)	1,099,954	1,132,953	252,892	52,745	18.359	968,360	(1,417,061)	(42,512)	(1,459,573)
2026	(1,459,573)	327,380	347,318	252,892	52,745	18.910	997,411	(1,062,372)	(31,871)	(1,094,243)
2027	(1,094,243)	1,232,329	1,346,599	252,892	52,745	19.477	1,027,333	(1,666,401)	(49,992)	(1,716,393)
2028	(1,716,393)	1,687,725	1,899,549	252,892	52,745	20.062	1,058,153	(2,810,682)	(84,320)	(2,895,002)
2029	(2,895,002)	601,016	696,742	252,892	52,745	20.664	1,089,897	(2,754,739)	(82,642)	(2,837,381)
2030	(2,837,381)	461,630	551,211	252,893	52,745	21.284	1,122,594	(2,518,890)	(75,567)	(2,594,457)
2031	(2,594,457)	7,282	8,956	252,892	52,745	21.922	1,156,272	(1,700,033)	(51,001)	(1,751,034)
2032	(1,751,034)	8,981	11,377	252,892	52,745	22.580	1,190,960	(824,342)	(24,730)	(849,073)
2033	(849,073)	95,591	124,725	252,892	52,745	23.257	1,226,689	0	0	0
Total		7,123,077	7,720,618	2,424,145	527,448		10,777,825		-471,749	

Note: Numbers may not add due to rounding



Table C-11
Cash Flow Calculation – Woodstock Wastewater Services – Residential

Year	D.C. Reserve Fund Opening Balance	Development Related Expenditures	Development Related Expenditures	Development Related Long-Term Debt	Population Growth	\$1,025.74	Anticipated Revenues	Annual Surplus/ (Deficit)	1% / 3%	D.C. Reserve Fund Closing Balance after Interest
		Nominal Project Cost	Project Cost Inflated at 3%	Existing Debt Payments		Per Capita per Year Inflated at (3%) Starting in 2025			D.C. Reserve Fund Interest Earnings/ (Cost)	
2024	2,789,531	5,232,911	5,232,911		1,348	1,025.74	1,382,289	(1,061,091)	(31,833)	(1,092,923)
2025	(1,092,923)	4,041,651	4,162,900		1,348	1,056.51	1,423,758	(3,832,066)	(114,962)	(3,947,028)
2026	(3,947,028)	1,386,850	1,471,309		1,348	1,088.21	1,466,471	(3,951,866)	(118,556)	(4,070,422)
2027	(4,070,422)	35,514	38,807		1,348	1,120.86	1,510,465	(2,598,764)	(77,963)	(2,676,727)
2028	(2,676,727)	56,755	63,878		1,348	1,154.48	1,555,779	(1,184,826)	(35,545)	(1,220,371)
2029	(1,220,371)	1,994,242	2,311,873		1,348	1,189.12	1,602,452	(1,929,792)	(57,894)	(1,987,686)
2030	(1,987,686)	1,525,831	1,821,922		1,348	1,224.79	1,650,526	(2,159,083)	(64,772)	(2,223,855)
2031	(2,223,855)	2,337,911	2,875,336		1,348	1,261.53	1,700,041	(3,399,149)	(101,974)	(3,501,124)
2032	(3,501,124)	379	481		1,348	1,299.38	1,751,043	(1,750,562)	(52,517)	(1,803,079)
2033	(1,803,079)	379	495		1,348	1,338.36	1,803,574	(0)	(0)	(0)
Total		16,612,424	17,979,913	0	13,476		15,846,398		-656,016	

Note: Numbers may not add due to rounding



Table C-12
Cash Flow Calculation – Woodstock Wastewater Services – Non-Residential

Year	D.C. Reserve Fund Opening Balance	Development Related Expenditures	Development Related Expenditures	Development Related Long-Term Debt	Sq. M. of Gross Floor Area	\$19.033	Anticipated Revenues	Annual Surplus/ (Deficit)	1% / 3%	D.C. Reserve Fund Closing Balance after Interest
		Nominal Project Cost	Project Cost Inflated at 3%	Existing Debt Payments		per sq.m. per Year Inflated at (3%) Starting in 2025			D.C. Reserve Fund Interest Earnings /(Cost)	
2024	2,025,890	3,800,389	3,800,389		52,745	19.033	1,003,884	(770,614)	(23,118)	(793,733)
2025	(793,733)	2,935,239	3,023,296		52,745	19.604	1,034,001	(2,783,028)	(83,491)	(2,866,519)
2026	(2,866,519)	1,007,196	1,068,535		52,745	20.192	1,065,021	(2,870,033)	(86,101)	(2,956,134)
2027	(2,956,134)	25,792	28,183		52,745	20.798	1,096,971	(1,887,346)	(56,620)	(1,943,966)
2028	(1,943,966)	41,218	46,391		52,745	21.422	1,129,881	(860,477)	(25,814)	(886,292)
2029	(886,292)	1,448,313	1,678,992		52,745	22.064	1,163,777	(1,401,507)	(42,045)	(1,443,552)
2030	(1,443,552)	1,108,131	1,323,167		52,745	22.726	1,198,690	(1,568,028)	(47,041)	(1,615,069)
2031	(1,615,069)	1,697,902	2,088,206		52,745	23.408	1,234,651	(2,468,624)	(74,059)	(2,542,683)
2032	(2,542,683)	276	349		52,745	24.110	1,271,690	(1,271,341)	(38,140)	(1,309,482)
2033	(1,309,482)	276	360		52,745	24.834	1,309,841	(0)	(0)	(0)
Total		12,064,733	13,057,868	0	527,448		11,508,408		-476,430	

Note: Numbers may not add due to rounding



Table C-13
Cash Flow Calculation – Tillsonburg Water Services – Residential

Year	D.C. Reserve Fund Opening Balance	Development Related Expenditures	Development Related Expenditures	Development Related Long-Term Debt	Population Growth	\$2,332.95	Anticipated Revenues	Annual Surplus/ (Deficit)	1% / 3%	D.C. Reserve Fund Closing Balance after Interest
		Nominal Project Cost	Project Cost Inflated at 3%	Existing Debt Payments		Per Capita per Year Inflated at (3%) Starting in 2025			D.C. Reserve Fund Interest Earnings/ (Cost)	
2024	500,711	986,394	986,394		646	2,332.95	1,507,783	1,022,101	10,221	1,032,322
2025	1,032,322	2,818,040	2,902,581		646	2,402.94	1,553,017	(317,242)	(9,517)	(326,759)
2026	(326,759)	1,483,349	1,573,685		646	2,475.02	1,599,607	(300,837)	(9,025)	(309,863)
2027	(309,863)	1,458,212	1,593,428		646	2,549.27	1,647,596	(255,695)	(7,671)	(263,365)
2028	(263,365)	784,271	882,704		646	2,625.75	1,697,023	550,954	5,510	556,463
2029	556,463	28,591	33,144		646	2,704.52	1,747,934	2,271,253	22,713	2,293,966
2030	2,293,966	756,983	903,877		646	2,785.66	1,800,372	3,190,461	31,905	3,222,366
2031	3,222,366	76,614	94,225		646	2,869.23	1,854,383	4,982,524	49,825	5,032,349
2032	5,032,349	-	-		646	2,955.31	1,910,015	6,942,364	69,424	7,011,788
2033	7,011,788	6,881,735	8,979,103		646	3,043.97	1,967,315	(0)	(0)	(0)
Total		15,274,188	17,949,141	0	6,463		17,285,047		163,383	

Note: Numbers may not add due to rounding



Table C-14
Cash Flow Calculation – Tillsonburg Water Services – Non-Residential

Year	D.C. Reserve Fund Opening Balance	Development Related Expenditures	Development Related Expenditures	Development Related Long-Term Debt	Sq. M. of Gross Floor Area	\$42.303	Anticipated Revenues	Annual Surplus/ (Deficit)	1% / 3%	D.C. Reserve Fund Closing Balance after Interest
		Nominal Project Cost	Project Cost Inflated at 3%	Existing Debt Payments		per sq.m. per Year Inflated at (3%) Starting in 2025			D.C. Reserve Fund Interest Earnings /(Cost)	
2024	208,429	410,601	410,601		14,837	42.303	627,637	425,465	4,255	429,719
2025	429,719	1,173,051	1,208,242		14,837	43.572	646,466	(132,057)	(3,962)	(136,018)
2026	(136,018)	617,466	655,070		14,837	44.880	665,860	(125,228)	(3,757)	(128,985)
2027	(128,985)	607,002	663,288		14,837	46.226	685,836	(106,437)	(3,193)	(109,630)
2028	(109,630)	326,465	367,439		14,837	47.613	706,411	229,343	2,293	231,636
2029	231,636	11,901	13,797		14,837	49.041	727,604	945,443	9,454	954,897
2030	954,897	315,105	376,252		14,837	50.512	749,432	1,328,077	13,281	1,341,358
2031	1,341,358	31,892	39,223		14,837	52.028	771,915	2,074,050	20,740	2,094,790
2032	2,094,790	-	-		14,837	53.589	795,072	2,889,862	28,899	2,918,761
2033	2,918,761	2,864,624	3,737,685		14,837	55.196	818,924	0	0	0
Total		6,358,108	7,471,597	0	148,366		7,195,158		68,011	

Note: Numbers may not add due to rounding



Table C-15
Cash Flow Calculation – Tillsonburg Wastewater Services – Residential

Year	D.C. Reserve Fund Opening Balance	Development Related Expenditures	Development Related Expenditures	Development Related Long-Term Debt	Population Growth	\$465.71	Anticipated Revenues	Annual Surplus/ (Deficit)	1% / 3%	D.C. Reserve Fund Closing Balance after Interest
		Nominal Project Cost	Project Cost Inflated at 3%	Existing Debt Payments		Per Capita per Year Inflated at (3%) Starting in 2025			D.C. Reserve Fund Interest Earnings/ (Cost)	
2024	3,033,736	1,080,764	1,080,764		646	465.71	300,990	2,253,962	22,540	2,276,501
2025	2,276,501	151,523	156,069		646	479.68	310,020	2,430,452	24,305	2,454,757
2026	2,454,757	69,685	73,929		646	494.07	319,320	2,700,148	27,001	2,727,149
2027	2,727,149	105,394	115,167		646	508.90	328,900	2,940,883	29,409	2,970,291
2028	2,970,291	683,311	769,072		646	524.16	338,767	2,539,986	25,400	2,565,386
2029	2,565,386	563,849	653,655		646	539.89	348,930	2,260,661	22,607	2,283,267
2030	2,283,267	1,642,254	1,960,937		646	556.08	359,398	681,727	6,817	688,545
2031	688,545	485,033	596,529		646	572.77	370,180	462,195	4,622	466,817
2032	466,817	483,438	612,405		646	589.95	381,285	235,697	2,357	238,054
2033	238,054	483,438	630,778		646	607.65	392,724	(0)	(0)	(0)
Total		5,748,689	6,649,305	0	6,463		3,450,512		165,057	

Note: Numbers may not add due to rounding



Table C-16
Cash Flow Calculation – Tillsonburg Wastewater Services – Non-Residential

Year	D.C. Reserve Fund Opening Balance	Development Related Expenditures	Development Related Expenditures	Development Related Long-Term Debt	Sq. M. of Gross Floor Area	\$7.229	Anticipated Revenues	Annual Surplus/ (Deficit)	1% / 3%	D.C. Reserve Fund Closing Balance after Interest
		Nominal Project Cost	Project Cost Inflated at 3%	Existing Debt Payments		per sq.m. per Year Inflated at (3%) Starting in 2025			D.C. Reserve Fund Interest Earnings /(Cost)	
2024	1,080,962	385,091	385,091		14,837	7.229	107,247	803,117	8,031	811,149
2025	811,149	53,990	55,609		14,837	7.445	110,464	866,003	8,660	874,663
2026	874,663	24,830	26,342		14,837	7.669	113,778	962,100	9,621	971,721
2027	971,721	37,553	41,035		14,837	7.899	117,192	1,047,877	10,479	1,058,355
2028	1,058,355	243,473	274,031		14,837	8.136	120,707	905,032	9,050	914,082
2029	914,082	200,907	232,906		14,837	8.380	124,328	805,504	8,055	813,559
2030	813,559	585,158	698,709		14,837	8.631	128,058	242,909	2,429	245,338
2031	245,338	172,824	212,551		14,837	8.890	131,900	164,687	1,647	166,333
2032	166,333	172,256	218,208		14,837	9.157	135,857	83,982	840	84,822
2033	84,822	172,256	224,755		14,837	9.432	139,933	0	0	0
Total		2,048,337	2,369,238	0	148,366		1,229,465		58,812	

Note: Numbers may not add due to rounding



Table C-17
Cash Flow Calculation – Ingersoll Water Services – Residential

Year	D.C. Reserve Fund Opening Balance	Development Related Expenditures	Development Related Expenditures	Development Related Long-Term Debt	Population Growth	\$1,985.88	Anticipated Revenues	Annual Surplus/ (Deficit)	1% / 3%	D.C. Reserve Fund Closing Balance after Interest
		Nominal Project Cost	Project Cost Inflated at 3%	Existing Debt Payments		Per Capita per Year Inflated at (3%) Starting in 2025			D.C. Reserve Fund Interest Earnings/ (Cost)	
2024	(521,011)	327,012	327,012		278	1,985.88	552,669	(295,354)	(8,861)	(304,214)
2025	(304,214)	1,605,160	1,653,315		278	2,045.45	569,249	(1,388,280)	(41,648)	(1,429,928)
2026	(1,429,928)	289	307		278	2,106.82	586,327	(843,909)	(25,317)	(869,226)
2027	(869,226)	958	1,047		278	2,170.02	603,917	(266,356)	(7,991)	(274,346)
2028	(274,346)	52,987	59,638		278	2,235.12	622,034	288,050	2,881	290,931
2029	290,931	593,501	688,030		278	2,302.17	640,695	243,596	2,436	246,032
2030	246,032	94,598	112,955		278	2,371.24	659,916	792,993	7,930	800,923
2031	800,923	743,042	913,849		278	2,442.38	679,714	566,788	5,668	572,456
2032	572,456	760,269	963,086		278	2,515.65	700,105	309,475	3,095	312,570
2033	312,570	792,228	1,033,678		278	2,591.12	721,108	0	0	0
Total		4,970,045	5,752,916	0	2,783		6,335,734		-61,808	

Note: Numbers may not add due to rounding



Table C-18
Cash Flow Calculation – Ingersoll Water Services – Non-Residential

Year	D.C. Reserve Fund Opening Balance	Development Related Expenditures	Development Related Expenditures	Development Related Long-Term Debt	Sq. M. of Gross Floor Area	\$13.469	Anticipated Revenues	Annual Surplus/ (Deficit)	1% / 3%	D.C. Reserve Fund Closing Balance after Interest
		Nominal Project Cost	Project Cost Inflated at 3%	Existing Debt Payments		per sq.m. per Year Inflated at (3%) Starting in 2025			D.C. Reserve Fund Interest Earnings /(Cost)	
2024	(253,355)	159,018	159,018		19,954	13.469	268,750	(143,623)	(4,309)	(147,932)
2025	(147,932)	780,552	803,968		19,954	13.873	276,813	(675,088)	(20,253)	(695,340)
2026	(695,340)	141	149		19,954	14.289	285,117	(410,373)	(12,311)	(422,684)
2027	(422,684)	466	509		19,954	14.718	293,670	(129,522)	(3,886)	(133,408)
2028	(133,408)	25,766	29,000		19,954	15.159	302,481	140,072	1,401	141,473
2029	141,473	288,605	334,573		19,954	15.614	311,555	118,455	1,185	119,640
2030	119,640	46,001	54,927		19,954	16.082	320,902	385,614	3,856	389,470
2031	389,470	361,324	444,383		19,954	16.565	330,529	275,616	2,756	278,372
2032	278,372	369,701	468,326		19,954	17.062	340,445	150,490	1,505	151,995
2033	151,995	385,242	502,653		19,954	17.574	350,658	(0)	(0)	(0)
Total		2,416,816	2,797,507	0	199,537		3,080,918		-30,056	

Note: Numbers may not add due to rounding



Table C-19
Cash Flow Calculation – Ingersoll Wastewater Services – Residential

Year	D.C. Reserve Fund Opening Balance	Development Related Expenditures	Development Related Expenditures	Development Related Long-Term Debt	Population Growth	\$3,062.30	Anticipated Revenues	Annual Surplus/ (Deficit)	1% / 3%	D.C. Reserve Fund Closing Balance after Interest
		Nominal Project Cost	Project Cost Inflated at 3%	Existing Debt Payments		Per Capita per Year Inflated at (3%) Starting in 2025			D.C. Reserve Fund Interest Earnings/ (Cost)	
2024	(697,770)	221,649	221,649	170,833	278	3,062.30	852,239	(238,013)	(7,140)	(245,153)
2025	(245,153)	1,688,304	1,738,953	166,716	278	3,154.17	877,806	(1,273,016)	(38,190)	(1,311,207)
2026	(1,311,207)	42,659	45,257	162,761	278	3,248.80	904,140	(615,084)	(18,453)	(633,537)
2027	(633,537)	17,788	19,438	158,807	278	3,346.26	931,265	119,483	1,195	120,678
2028	120,678	508,580	572,411	154,971	278	3,446.65	959,203	352,498	3,525	356,023
2029	356,023	386,958	448,591	150,898	278	3,550.05	987,979	744,513	7,445	751,958
2030	751,958	1,847,560	2,206,083	146,943	278	3,656.55	1,017,618	(583,450)	(17,504)	(600,954)
2031	(600,954)	485,036	596,533	142,989	278	3,766.25	1,048,147	(292,329)	(8,770)	(301,099)
2032	(301,099)	1,240,851	1,571,873	139,110	278	3,879.23	1,079,591	(932,490)	(27,975)	(960,465)
2033	(960,465)	12,595	16,434	135,080	278	3,995.61	1,111,979	0	0	0
Total		6,451,981	7,437,222	1,529,108	2,783		9,769,966		-105,867	

Note: Numbers may not add due to rounding



Table C-20
Cash Flow Calculation – Ingersoll Wastewater Services – Non-Residential

Year	D.C. Reserve Fund Opening Balance	Development Related Expenditures	Development Related Expenditures	Development Related Long-Term Debt	Sq. M. of Gross Floor Area	\$31.638	Anticipated Revenues	Annual Surplus/ (Deficit)	1% / 3%	D.C. Reserve Fund Closing Balance after Interest
		Nominal Project Cost	Project Cost Inflated at 3%	Existing Debt Payments		per sq.m. per Year Inflated at (3%) Starting in 2025			D.C. Reserve Fund Interest Earnings /(Cost)	
2024	(516,874)	164,187	164,187	126,545	19,954	31.638	631,297	(176,308)	(5,289)	(181,598)
2025	(181,598)	1,250,614	1,288,132	123,495	19,954	32.587	650,236	(942,988)	(28,290)	(971,278)
2026	(971,278)	31,600	33,524	120,566	19,954	33.565	669,743	(455,625)	(13,669)	(469,293)
2027	(469,293)	13,177	14,399	117,636	19,954	34.572	689,836	88,507	885	89,392
2028	89,392	376,731	424,015	114,795	19,954	35.609	710,531	261,113	2,611	263,724
2029	263,724	286,640	332,294	111,778	19,954	36.677	731,847	551,499	5,515	557,014
2030	557,014	1,368,583	1,634,159	108,848	19,954	37.778	753,802	(432,192)	(12,966)	(445,157)
2031	(445,157)	359,291	441,883	105,919	19,954	38.911	776,416	(216,543)	(6,496)	(223,039)
2032	(223,039)	919,162	1,164,367	103,046	19,954	40.078	799,709	(690,744)	(20,722)	(711,466)
2033	(711,466)	9,330	12,173	100,061	19,954	41.281	823,700	0	0	0
Total		4,779,314	5,509,132	1,132,689	199,537		7,237,116		-78,421	

Note: Numbers may not add due to rounding



**Table C-21
Cash Flow Calculation – Plattsville Water Services – Residential**

Year	D.C. Reserve Fund Opening Balance	Development Related Expenditures	Development Related Expenditures	Development Related Long-Term Debt	Population Growth	\$1,617.25	Anticipated Revenues	Annual Surplus/ (Deficit)	1% / 3%	D.C. Reserve Fund Closing Balance after Interest
		Nominal Project Cost	Project Cost Inflated at 3%	Existing Debt Payments		Per Capita per Year Inflated at (3%) Starting in 2025			D.C. Reserve Fund Interest Earnings/ (Cost)	
2024	(324,296)	91	91		54	1,617.25	87,493	(236,895)	(7,107)	(244,001)
2025	(244,001)	291	299		54	1,665.77	90,118	(154,183)	(4,625)	(158,808)
2026	(158,808)	5,891	6,250		54	1,715.74	92,822	(72,237)	(2,167)	(74,404)
2027	(74,404)	19,699	21,525		54	1,767.21	95,606	(323)	(10)	(332)
2028	(332)	214	241		54	1,820.23	98,474	97,901	979	98,880
2029	98,880	82,056	95,126		54	1,874.83	101,429	105,182	1,052	106,234
2030	106,234	47,922	57,221		54	1,931.08	104,471	153,484	1,535	155,019
2031	155,019	98,581	121,242		54	1,989.01	107,606	141,383	1,414	142,797
2032	142,797	143,303	181,532		54	2,048.68	110,834	72,098	721	72,819
2033	72,819	143,303	186,978		54	2,110.14	114,159	0	0	0
Total		541,351	670,506	0	541		1,003,011		-8,209	

Note: Numbers may not add due to rounding



Table C-22
Cash Flow Calculation – Plattsville Water Services – Non-Residential

Year	D.C. Reserve Fund Opening Balance	Development Related Expenditures	Development Related Expenditures	Development Related Long-Term Debt	Sq. M. of Gross Floor Area	\$24.451	Anticipated Revenues	Annual Surplus/ (Deficit)	1% / 3%	D.C. Reserve Fund Closing Balance after Interest
		Nominal Project Cost	Project Cost Inflated at 3%	Existing Debt Payments		per sq.m. per Year Inflated at (3%) Starting in 2025			D.C. Reserve Fund Interest Earnings /(Cost)	
2024	(15,155)	4	4		167	24.451	4,089	(11,071)	(332)	(11,403)
2025	(11,403)	14	14		167	25.184	4,211	(7,205)	(216)	(7,422)
2026	(7,422)	275	292		167	25.940	4,338	(3,376)	(101)	(3,477)
2027	(3,477)	921	1,006		167	26.718	4,468	(15)	(0)	(16)
2028	(16)	10	11		167	27.520	4,602	4,575	46	4,621
2029	4,621	3,835	4,445		167	28.345	4,740	4,915	49	4,965
2030	4,965	2,240	2,674		167	29.196	4,882	7,173	72	7,244
2031	7,244	4,607	5,666		167	30.071	5,029	6,607	66	6,673
2032	6,673	6,697	8,483		167	30.974	5,180	3,369	34	3,403
2033	3,403	6,697	8,738		167	31.903	5,335	0	0	0
Total		25,299	31,335	0	1,672		46,873		-384	

Note: Numbers may not add due to rounding



**Table C23
Cash Flow Calculation – Plattsville Wastewater Services – Residential**

Year	D.C. Reserve Fund Opening Balance	Development Related Expenditures	Development Related Expenditures	Development Related Long-Term Debt	Population Growth	\$2,114.59	Anticipated Revenues	Annual Surplus/ (Deficit)	1% / 3%	D.C. Reserve Fund Closing Balance after Interest
		Nominal Project Cost	Project Cost Inflated at 3%	Existing Debt Payments		Per Capita per Year Inflated at (3%) Starting in 2025			D.C. Reserve Fund Interest Earnings/ (Cost)	
2024	(759,041)	530	530		54	2,114.59	114,399	(645,172)	(19,355)	(664,527)
2025	(664,527)	269,656	277,746		54	2,178.03	117,831	(824,442)	(24,733)	(849,175)
2026	(849,175)	133	141		54	2,243.37	121,366	(727,949)	(21,838)	(749,788)
2027	(749,788)	24,532	26,807		54	2,310.67	125,007	(651,587)	(19,548)	(671,135)
2028	(671,135)	1,326	1,492		54	2,379.99	128,757	(543,870)	(16,316)	(560,186)
2029	(560,186)	21,615	25,058		54	2,451.39	132,620	(452,624)	(13,579)	(466,203)
2030	(466,203)	1,458	1,741		54	2,524.93	136,599	(331,345)	(9,940)	(341,286)
2031	(341,286)	19,693	24,220		54	2,600.68	140,697	(224,809)	(6,744)	(231,554)
2032	(231,554)	-	-		54	2,678.70	144,918	(86,636)	(2,599)	(89,235)
2033	(89,235)	46,008	60,030		54	2,759.06	149,265	(0)	(0)	(0)
Total		384,951	417,765	0	541		1,311,459		-134,653	

Note: Numbers may not add due to rounding



Table C-24
Cash Flow Calculation – Plattsville Wastewater Services – Non-Residential

Year	D.C. Reserve Fund Opening Balance	Development Related Expenditures	Development Related Expenditures	Development Related Long-Term Debt	Sq. M. of Gross Floor Area	\$10.657	Anticipated Revenues	Annual Surplus/ (Deficit)	1% / 3%	D.C. Reserve Fund Closing Balance after Interest
		Nominal Project Cost	Project Cost Inflated at 3%	Existing Debt Payments		per sq.m. per Year Inflated at (3%) Starting in 2025			D.C. Reserve Fund Interest Earnings /(Cost)	
2024	(11,824)	8	8		167	10.657	1,782	(10,050)	(302)	(10,352)
2025	(10,352)	4,201	4,327		167	10.976	1,836	(12,843)	(385)	(13,228)
2026	(13,228)	2	2		167	11.306	1,891	(11,340)	(340)	(11,680)
2027	(11,680)	382	418		167	11.645	1,947	(10,150)	(305)	(10,455)
2028	(10,455)	21	23		167	11.994	2,006	(8,472)	(254)	(8,726)
2029	(8,726)	337	390		167	12.354	2,066	(7,051)	(212)	(7,262)
2030	(7,262)	23	27		167	12.725	2,128	(5,162)	(155)	(5,316)
2031	(5,316)	307	377		167	13.106	2,192	(3,502)	(105)	(3,607)
2032	(3,607)	-	-		167	13.500	2,257	(1,350)	(40)	(1,390)
2033	(1,390)	717	935		167	13.904	2,325	0	0	0
Total		5,997	6,508	0	1,672		20,429		-2,098	

Note: Numbers may not add due to rounding



**Table C-25
Cash Flow Calculation – Drumbo Water Services – Residential**

Year	D.C. Reserve Fund Opening Balance	Development Related Expenditures	Development Related Expenditures	Development Related Long-Term Debt	Population Growth	\$751.90	Anticipated Revenues	Annual Surplus/ (Deficit)	1% / 3%	D.C. Reserve Fund Closing Balance after Interest
		Nominal Project Cost	Project Cost Inflated at 3%	Existing Debt Payments		Per Capita per Year Inflated at (3%) Starting in 2025			D.C. Reserve Fund Interest Earnings/ (Cost)	
2024	7,061	30	30		64	751.90	48,272	55,303	553	55,856
2025	55,856	31,621	32,570		64	774.46	49,720	73,006	730	73,737
2026	73,737	22	23		64	797.70	51,212	124,925	1,249	126,174
2027	126,174	73	80		64	821.63	52,748	178,843	1,788	180,632
2028	180,632	71	80		64	846.28	54,331	234,883	2,349	237,231
2029	237,231	43,073	49,934		64	871.66	55,961	243,259	2,433	245,691
2030	245,691	12,580	15,021		64	897.81	57,640	288,310	2,883	291,193
2031	291,193	142,885	175,730		64	924.75	59,369	174,832	1,748	176,580
2032	176,580	-	-		64	952.49	61,150	237,730	2,377	240,107
2033	240,107	232,295	303,092		64	981.07	62,984	0	0	0
Total		462,649	576,559	0	642		553,388		16,111	

Note: Numbers may not add due to rounding



Table C-26
Cash Flow Calculation – Drumbo Water Services – Non-Residential

Year	D.C. Reserve Fund Opening Balance	Development Related Expenditures	Development Related Expenditures	Development Related Long-Term Debt	Sq. M. of Gross Floor Area	\$4.904	Anticipated Revenues	Annual Surplus/ (Deficit)	1% / 3%	D.C. Reserve Fund Closing Balance after Interest
		Nominal Project Cost	Project Cost Inflated at 3%	Existing Debt Payments		per sq.m. per Year Inflated at (3%) Starting in 2025			D.C. Reserve Fund Interest Earnings /(Cost)	
2024	383	2	2		534	4.904	2,619	3,001	30	3,031
2025	3,031	1,716	1,767		534	5.051	2,698	3,962	40	4,001
2026	4,001	1	1		534	5.202	2,779	6,779	68	6,847
2027	6,847	4	4		534	5.358	2,862	9,705	97	9,802
2028	9,802	4	4		534	5.519	2,948	12,746	127	12,873
2029	12,873	2,337	2,710		534	5.685	3,037	13,200	132	13,332
2030	13,332	683	815		534	5.855	3,128	15,645	156	15,802
2031	15,802	7,754	9,536		534	6.031	3,222	9,487	95	9,582
2032	9,582	-	-		534	6.212	3,318	12,900	129	13,029
2033	13,029	12,605	16,447		534	6.398	3,418	-	-	-
Total		25,106	31,287	0	5,342		30,029		874	

Note: Numbers may not add due to rounding



Table C-27
Cash Flow Calculation – Drumbo Wastewater Services – Residential

Year	D.C. Reserve Fund Opening Balance	Development Related Expenditures	Development Related Expenditures	Development Related Long-Term Debt	Population Growth	\$9,799.58	Anticipated Revenues	Annual Surplus/ (Deficit)	1% / 3%	D.C. Reserve Fund Closing Balance after Interest
		Nominal Project Cost	Project Cost Inflated at 3%	Existing Debt Payments		Per Capita per Year Inflated at (3%) Starting in 2025			D.C. Reserve Fund Interest Earnings/ (Cost)	
2024	(5,947,947)	313,272	313,272		64	9,799.58	629,133	(5,632,086)	(168,963)	(5,801,049)
2025	(5,801,049)	20,091	20,694		64	10,093.57	648,007	(5,173,735)	(155,212)	(5,328,948)
2026	(5,328,948)	1,521	1,614		64	10,396.37	667,447	(4,663,114)	(139,893)	(4,803,008)
2027	(4,803,008)	8,220	8,982		64	10,708.26	687,471	(4,124,519)	(123,736)	(4,248,254)
2028	(4,248,254)	68	77		64	11,029.51	708,095	(3,540,236)	(106,207)	(3,646,443)
2029	(3,646,443)	105	121		64	11,360.40	729,338	(2,917,227)	(87,517)	(3,004,744)
2030	(3,004,744)	49	59		64	11,701.21	751,218	(2,253,585)	(67,608)	(2,321,192)
2031	(2,321,192)	57	70		64	12,052.25	773,754	(1,547,508)	(46,425)	(1,593,934)
2032	(1,593,934)	-	-		64	12,413.81	796,967	(796,967)	(23,909)	(820,876)
2033	(820,876)	-	-		64	12,786.23	820,876	(0)	(0)	(0)
Total		343,383	344,888	0	642		7,212,304		-919,469	

Note: Numbers may not add due to rounding



Table C-28
Cash Flow Calculation – Drumbo Wastewater Services – Non-Residential

Year	D.C. Reserve Fund Opening Balance	Development Related Expenditures	Development Related Expenditures	Development Related Long-Term Debt	Sq. M. of Gross Floor Area	\$97.592	Anticipated Revenues	Annual Surplus/ (Deficit)	1% / 3%	D.C. Reserve Fund Closing Balance after Interest
		Nominal Project Cost	Project Cost Inflated at 3%	Existing Debt Payments		per sq.m. per Year Inflated at (3%) Starting in 2025			D.C. Reserve Fund Interest Earnings /(Cost)	
2024	(492,874)	25,959	25,959		534	97.592	52,133	(466,701)	(14,001)	(480,702)
2025	(480,702)	1,665	1,715		534	100.520	53,697	(428,720)	(12,862)	(441,581)
2026	(441,581)	126	134		534	103.535	55,308	(386,407)	(11,592)	(397,999)
2027	(397,999)	681	744		534	106.641	56,967	(341,777)	(10,253)	(352,030)
2028	(352,030)	6	6		534	109.841	58,676	(293,360)	(8,801)	(302,161)
2029	(302,161)	9	10		534	113.136	60,436	(241,735)	(7,252)	(248,987)
2030	(248,987)	4	5		534	116.530	62,249	(186,742)	(5,602)	(192,345)
2031	(192,345)	5	6		534	120.026	64,117	(128,234)	(3,847)	(132,081)
2032	(132,081)	-	-		534	123.627	66,040	(66,040)	(1,981)	(68,022)
2033	(68,022)	-	-		534	127.335	68,022	0	0	0
Total		28,454	28,579	0	5,342		597,645		-76,191	

Note: Numbers may not add due to rounding



Table C-29
Cash Flow Calculation – Tavistock Water Services – Residential

Year	D.C. Reserve Fund Opening Balance	Development Related Expenditures	Development Related Expenditures	Development Related Long-Term Debt	Population Growth	\$2,386.46	Anticipated Revenues	Annual Surplus/ (Deficit)	1% / 3%	D.C. Reserve Fund Closing Balance after Interest
		Nominal Project Cost	Project Cost Inflated at 3%	Existing Debt Payments		Per Capita per Year Inflated at (3%) Starting in 2025			D.C. Reserve Fund Interest Earnings/ (Cost)	
2024	507,988	301,761	301,761		143	2,386.46	341,024	547,251	5,473	552,724
2025	552,724	484,748	499,291		143	2,458.05	351,255	404,689	4,047	408,735
2026	408,735	110,275	116,991		143	2,531.79	361,793	653,537	6,535	660,072
2027	660,072	899,048	982,414		143	2,607.74	372,647	50,305	503	50,809
2028	50,809	994,694	1,119,537		143	2,685.98	383,826	(684,902)	(20,547)	(705,449)
2029	(705,449)	239,729	277,911		143	2,766.56	395,341	(588,020)	(17,641)	(605,660)
2030	(605,660)	239,417	285,877		143	2,849.55	407,201	(484,336)	(14,530)	(498,866)
2031	(498,866)	62,032	76,291		143	2,935.04	419,417	(155,740)	(4,672)	(160,412)
2032	(160,412)	555,418	703,587		143	3,023.09	432,000	(432,000)	(12,960)	(444,960)
2033	(444,960)	-	-		143	3,113.78	444,960	0	0	0
Total		3,887,122	4,363,660	0	1,429		3,909,463		-53,792	

Note: Numbers may not add due to rounding



Table C-30
Cash Flow Calculation – Tavistock Water Services – Non-Residential

Year	D.C. Reserve Fund Opening Balance	Development Related Expenditures	Development Related Expenditures	Development Related Long-Term Debt	Sq. M. of Gross Floor Area	\$26.171	Anticipated Revenues	Annual Surplus/ (Deficit)	1% / 3%	D.C. Reserve Fund Closing Balance after Interest
		Nominal Project Cost	Project Cost Inflated at 3%	Existing Debt Payments		per sq.m. per Year Inflated at (3%) Starting in 2025			D.C. Reserve Fund Interest Earnings /(Cost)	
2024	85,003	50,494	50,494		2,180	26.171	57,064	91,573	916	92,488
2025	92,488	81,114	83,547		2,180	26.956	58,776	67,717	677	68,395
2026	68,395	18,453	19,576		2,180	27.765	60,540	109,358	1,094	110,451
2027	110,451	150,439	164,389		2,180	28.598	62,356	8,418	84	8,502
2028	8,502	166,444	187,334		2,180	29.456	64,226	(114,606)	(3,438)	(118,044)
2029	(118,044)	40,114	46,503		2,180	30.339	66,153	(98,395)	(2,952)	(101,346)
2030	(101,346)	40,062	47,836		2,180	31.250	68,138	(81,045)	(2,431)	(83,476)
2031	(83,476)	10,380	12,766		2,180	32.187	70,182	(26,060)	(782)	(26,842)
2032	(26,842)	92,939	117,733		2,180	33.153	72,287	(72,287)	(2,169)	(74,456)
2033	(74,456)	-	-		2,180	34.147	74,456	-	-	-
Total		650,440	730,180	0	21,804		654,178		-9,001	

Note: Numbers may not add due to rounding



Table C-31
Cash Flow Calculation – Tavistock Wastewater Services – Residential

Year	D.C. Reserve Fund Opening Balance	Development Related Expenditures	Development Related Expenditures	Development Related Long-Term Debt	Population Growth	\$10,780.40	Anticipated Revenues	Annual Surplus/ (Deficit)	1% / 3%	D.C. Reserve Fund Closing Balance after Interest
		Nominal Project Cost	Project Cost Inflated at 3%	Existing Debt Payments		Per Capita per Year Inflated at (3%) Starting in 2025			D.C. Reserve Fund Interest Earnings/ (Cost)	
2024	(152,476)	425,346	425,346	148,418	143	10,780.40	1,540,519	814,279	8,143	822,422
2025	822,422	1,745,449	1,797,812	148,418	143	11,103.81	1,586,735	462,927	4,629	467,556
2026	467,556	1,790,304	1,899,333	149,828	143	11,436.93	1,634,337	52,732	527	53,259
2027	53,259	5,498,426	6,008,279	21,770	143	11,780.04	1,683,367	(4,293,422)	(128,803)	(4,422,225)
2028	(4,422,225)	5,276,431	5,938,669	21,101	143	12,133.44	1,733,868	(8,648,127)	(259,444)	(8,907,571)
2029	(8,907,571)	618	716	20,409	143	12,497.44	1,785,884	(7,142,812)	(214,284)	(7,357,097)
2030	(7,357,097)	289	345	-	143	12,872.36	1,839,461	(5,517,981)	(165,539)	(5,683,520)
2031	(5,683,520)	336	414	-	143	13,258.53	1,894,645	(3,789,289)	(113,679)	(3,902,968)
2032	(3,902,968)	-	-	-	143	13,656.29	1,951,484	(1,951,484)	(58,545)	(2,010,028)
2033	(2,010,028)	-	-	-	143	14,065.98	2,010,028	0	0	0
Total		14,737,198	16,070,914	509,944	1,429		17,660,329		-926,994	

Note: Numbers may not add due to rounding



Table C-32
Cash Flow Calculation – Tavistock Wastewater Services – Non-Residential

Year	D.C. Reserve Fund Opening Balance	Development Related Expenditures	Development Related Expenditures	Development Related Long-Term Debt	Sq. M. of Gross Floor Area	\$95.232	Anticipated Revenues	Annual Surplus/ (Deficit)	1% / 3%	D.C. Reserve Fund Closing Balance after Interest
		Nominal Project Cost	Project Cost Inflated at 3%	Existing Debt Payments		per sq.m. per Year Inflated at (3%) Starting in 2025			D.C. Reserve Fund Interest Earnings /(Cost)	
2024	(152,476)	53,744	53,744	18,753	2,180	95.232	207,648	(17,325)	(520)	(17,845)
2025	(17,845)	220,542	227,159	18,753	2,180	98.089	213,877	(49,879)	(1,496)	(51,376)
2026	(51,376)	226,210	239,986	18,931	2,180	101.032	220,293	(89,999)	(2,700)	(92,699)
2027	(92,699)	694,741	759,162	2,751	2,180	104.063	226,902	(627,710)	(18,831)	(646,542)
2028	(646,542)	666,692	750,367	2,666	2,180	107.185	233,709	(1,165,866)	(34,976)	(1,200,842)
2029	(1,200,842)	78	90	2,579	2,180	110.400	240,720	(962,790)	(28,884)	(991,674)
2030	(991,674)	36	44	-	2,180	113.712	247,942	(743,776)	(22,313)	(766,089)
2031	(766,089)	43	52	-	2,180	117.124	255,380	(510,761)	(15,323)	(526,084)
2032	(526,084)	-	-	-	2,180	120.637	263,042	(263,042)	(7,891)	(270,933)
2033	(270,933)	-	-	-	2,180	124.256	270,933	(0)	(0)	(0)
Total		1,862,085	2,030,604	64,433	21,804		2,380,447		-132,934	

Note: Numbers may not add due to rounding



Table C-33
Cash Flow Calculation – Innerkip Water Services – Residential

Year	D.C. Reserve Fund Opening Balance	Development Related Expenditures	Development Related Expenditures	Development Related Long-Term Debt	Population Growth	\$36.25	Anticipated Revenues	Annual Surplus/ (Deficit)	1% / 3%	D.C. Reserve Fund Closing Balance after Interest
		Nominal Project Cost	Project Cost Inflated at 3%	Existing Debt Payments		Per Capita per Year Inflated at (3%) Starting in 2025			D.C. Reserve Fund Interest Earnings/ (Cost)	
2024	-	50	50		43	36.25	1,573	1,523	15	1,539
2025	1,539	158	163		43	37.33	1,620	2,996	30	3,026
2026	3,026	4,081	4,330		43	38.45	1,669	365	4	369
2027	369	10,871	11,879		43	39.61	1,719	(9,791)	(294)	(10,085)
2028	(10,085)	117	132		43	40.80	1,771	(8,446)	(253)	(8,699)
2029	(8,699)	180	208		43	42.02	1,824	(7,084)	(213)	(7,296)
2030	(7,296)	84	100		43	43.28	1,878	(5,518)	(166)	(5,684)
2031	(5,684)	98	120		43	44.58	1,935	(3,869)	(116)	(3,986)
2032	(3,986)	-	-		43	45.92	1,993	(1,993)	(60)	(2,053)
2033	(2,053)	-	-		43	47.29	2,053	(0)	(0)	(0)
Total		15,638	16,982	0	434		18,034		-1,052	

Note: Numbers may not add due to rounding



Table C-34
Cash Flow Calculation – Innerkip Water Services – Non-Residential

Year	D.C. Reserve Fund Opening Balance	Development Related Expenditures	Development Related Expenditures	Development Related Long-Term Debt	Sq. M. of Gross Floor Area	\$0.696	Anticipated Revenues	Annual Surplus/ (Deficit)	1% / 3%	D.C. Reserve Fund Closing Balance after Interest
		Nominal Project Cost	Project Cost Inflated at 3%	Existing Debt Payments		per sq.m. per Year Inflated at (3%) Starting in 2025			D.C. Reserve Fund Interest Earnings /(Cost)	
2024	-	1	1		30	0.696	21	20	0	20
2025	20	2	2		30	0.717	21	39	0	40
2026	40	54	57		30	0.738	22	5	0	5
2027	5	143	156		30	0.760	23	(129)	(4)	(133)
2028	(133)	2	2		30	0.783	23	(111)	(3)	(114)
2029	(114)	2	3		30	0.806	24	(93)	(3)	(96)
2030	(96)	1	1		30	0.831	25	(73)	(2)	(75)
2031	(75)	1	2		30	0.856	25	(51)	(2)	(52)
2032	(52)	-	-		30	0.881	26	(26)	(1)	(27)
2033	(27)	-	-		30	0.908	27	(0)	(0)	(0)
Total		206	223	0	297		237		-14	

Note: Numbers may not add due to rounding



Table C-35
Cash Flow Calculation – Innerkip Wastewater Services – Residential

Year	D.C. Reserve Fund Opening Balance	Development Related Expenditures	Development Related Expenditures	Development Related Long-Term Debt	Population Growth	\$5,248.98	Anticipated Revenues	Annual Surplus/ (Deficit)	1% / 3%	D.C. Reserve Fund Closing Balance after Interest
		Nominal Project Cost	Project Cost Inflated at 3%	Existing Debt Payments		Per Capita per Year Inflated at (3%) Starting in 2025			D.C. Reserve Fund Interest Earnings/ (Cost)	
2024	-	50	50		43	5,248.98	227,806	227,756	2,278	230,033
2025	230,033	19,632	20,221		43	5,406.45	234,640	444,452	4,445	448,897
2026	448,897	37	39		43	5,568.65	241,679	690,537	6,905	697,442
2027	697,442	122	133		43	5,735.71	248,930	946,239	9,462	955,701
2028	955,701	71,791	80,801		43	5,907.78	256,398	1,131,297	11,313	1,142,610
2029	1,142,610	2,046,292	2,372,213		43	6,085.01	264,089	(965,513)	(28,965)	(994,478)
2030	(994,478)	39,175	46,777		43	6,267.56	272,012	(769,243)	(23,077)	(792,320)
2031	(792,320)	39,189	48,197		43	6,455.59	280,173	(560,345)	(16,810)	(577,155)
2032	(577,155)	-	-		43	6,649.26	288,578	(288,578)	(8,657)	(297,235)
2033	(297,235)	-	-		43	6,848.73	297,235	0	0	0
Total		2,216,287	2,568,432	0	434		2,611,539		-43,108	

Note: Numbers may not add due to rounding



Table C-36
Cash Flow Calculation – Innerkerp Wastewater Services – Non-Residential

Year	D.C. Reserve Fund Opening Balance	Development Related Expenditures	Development Related Expenditures	Development Related Long-Term Debt	Sq. M. of Gross Floor Area	\$62.840	Anticipated Revenues	Annual Surplus/ (Deficit)	1% / 3%	D.C. Reserve Fund Closing Balance after Interest
		Nominal Project Cost	Project Cost Inflated at 3%	Existing Debt Payments		per sq.m. per Year Inflated at (3%) Starting in 2025			D.C. Reserve Fund Interest Earnings /(Cost)	
2024	-	0	0		30	62.840	1,868	1,868	19	1,886
2025	1,886	161	166		30	64.725	1,924	3,645	36	3,681
2026	3,681	0	0		30	66.667	1,982	5,663	57	5,719
2027	5,719	1	1		30	68.667	2,041	7,760	78	7,837
2028	7,837	589	663		30	70.727	2,103	9,277	93	9,370
2029	9,370	16,781	19,454		30	72.849	2,166	(7,918)	(238)	(8,155)
2030	(8,155)	321	384		30	75.034	2,231	(6,308)	(189)	(6,498)
2031	(6,498)	321	395		30	77.285	2,298	(4,595)	(138)	(4,733)
2032	(4,733)	-	-		30	79.604	2,367	(2,367)	(71)	(2,438)
2033	(2,438)	-	-		30	81.992	2,438	(0)	(0)	(0)
Total		18,175	21,063	0	297		21,416		-354	

Note: Numbers may not add due to rounding



Table C-37
Cash Flow Calculation – Norwich Water Services – Residential

Year	D.C. Reserve Fund Opening Balance	Development Related Expenditures	Development Related Expenditures	Development Related Long-Term Debt	Population Growth	\$1,230.80	Anticipated Revenues	Annual Surplus/ (Deficit)	1% / 3%	D.C. Reserve Fund Closing Balance after Interest
		Nominal Project Cost	Project Cost Inflated at 3%	Existing Debt Payments		Per Capita per Year Inflated at (3%) Starting in 2025			D.C. Reserve Fund Interest Earnings/ (Cost)	
2024	103,514	21,931	21,931		135	1,230.80	165,788	247,371	2,474	249,844
2025	249,844	3,448	3,551		135	1,267.72	170,762	417,055	4,171	421,225
2026	421,225	19,770	20,973		135	1,305.75	175,885	576,137	5,761	581,898
2027	581,898	320	350		135	1,344.92	181,161	762,710	7,627	770,337
2028	770,337	133,130	149,839		135	1,385.27	186,596	807,093	8,071	815,164
2029	815,164	679,337	787,538		135	1,426.83	192,194	219,821	2,198	222,019
2030	222,019	733,891	876,304		135	1,469.63	197,960	(456,325)	(13,690)	(470,015)
2031	(470,015)	115,200	141,681		135	1,513.72	203,899	(407,797)	(12,234)	(420,031)
2032	(420,031)	-	-		135	1,559.14	210,015	(210,015)	(6,300)	(216,316)
2033	(216,316)	-	-		135	1,605.91	216,316	0	0	0
Total		1,707,026	2,002,167	0	1,347		1,900,576		-1,922	

Note: Numbers may not add due to rounding



Table C-38
Cash Flow Calculation – Norwich Water Services – Non-Residential

Year	D.C. Reserve Fund Opening Balance	Development Related Expenditures	Development Related Expenditures	Development Related Long-Term Debt	Sq. M. of Gross Floor Area	\$11.724	Anticipated Revenues	Annual Surplus/ (Deficit)	1% / 3%	D.C. Reserve Fund Closing Balance after Interest
		Nominal Project Cost	Project Cost Inflated at 3%	Existing Debt Payments		per sq.m. per Year Inflated at (3%) Starting in 2025			D.C. Reserve Fund Interest Earnings /(Cost)	
2024	15,199	3,220	3,220		2,076	11.724	24,343	36,322	363	36,685
2025	36,685	506	521		2,076	12.076	25,073	61,237	612	61,850
2026	61,850	2,903	3,080		2,076	12.438	25,826	84,596	846	85,442
2027	85,442	47	51		2,076	12.811	26,600	111,991	1,120	113,111
2028	113,111	19,548	22,001		2,076	13.195	27,398	118,508	1,185	119,693
2029	119,693	99,749	115,636		2,076	13.591	28,220	32,277	323	32,600
2030	32,600	107,759	128,670		2,076	13.999	29,067	(67,003)	(2,010)	(69,014)
2031	(69,014)	16,915	20,803		2,076	14.419	29,939	(59,878)	(1,796)	(61,674)
2032	(61,674)	-	-		2,076	14.851	30,837	(30,837)	(925)	(31,762)
2033	(31,762)	-	-		2,076	15.297	31,762	0	0	0
Total		250,647	293,984	0	20,764		279,067		-282	

Note: Numbers may not add due to rounding



Table C-39
Cash Flow Calculation – Norwich Wastewater Services – Residential

Year	D.C. Reserve Fund Opening Balance	Development Related Expenditures	Development Related Expenditures	Development Related Long-Term Debt	Population Growth	\$1,895.97	Anticipated Revenues	Annual Surplus/ (Deficit)	1% / 3%	D.C. Reserve Fund Closing Balance after Interest
		Nominal Project Cost	Project Cost Inflated at 3%	Existing Debt Payments		Per Capita per Year Inflated at (3%) Starting in 2025			D.C. Reserve Fund Interest Earnings/ (Cost)	
2024	3,098,326	24,358	24,358		135	1,895.97	255,388	3,329,355	33,294	3,362,649
2025	3,362,649	3,077	3,169		135	1,952.85	263,049	3,622,529	36,225	3,658,754
2026	3,658,754	10,861	11,523		135	2,011.44	270,941	3,918,172	39,182	3,957,354
2027	3,957,354	210,847	230,399		135	2,071.78	279,069	4,006,025	40,060	4,046,085
2028	4,046,085	172,569	194,227		135	2,133.94	287,441	4,139,299	41,393	4,180,692
2029	4,180,692	2,431,231	2,818,463		135	2,197.95	296,064	1,658,293	16,583	1,674,876
2030	1,674,876	2,423,996	2,894,379		135	2,263.89	304,946	(914,556)	(27,437)	(941,993)
2031	(941,993)	237	291		135	2,331.81	314,095	(628,189)	(18,846)	(647,035)
2032	(647,035)	-	-		135	2,401.76	323,518	(323,518)	(9,706)	(333,223)
2033	(333,223)	-	-		135	2,473.82	333,223	0	0	0
Total		5,277,177	6,176,809	0	1,347		2,927,734		150,749	

Note: Numbers may not add due to rounding



Table C-40
Cash Flow Calculation – Norwich Wastewater Services – Non-Residential

Year	D.C. Reserve Fund Opening Balance	Development Related Expenditures	Development Related Expenditures	Development Related Long-Term Debt	Sq. M. of Gross Floor Area	\$37,594	Anticipated Revenues	Annual Surplus/ (Deficit)	1% / 3%	D.C. Reserve Fund Closing Balance after Interest
		Nominal Project Cost	Project Cost Inflated at 3%	Existing Debt Payments		per sq.m. per Year Inflated at (3%) Starting in 2025			D.C. Reserve Fund Interest Earnings /(Cost)	
2024	947,009	7,445	7,445		2,076	37,594	78,060	1,017,623	10,176	1,027,799
2025	1,027,799	940	969		2,076	38,722	80,401	1,107,232	11,072	1,118,305
2026	1,118,305	3,320	3,522		2,076	39,884	82,814	1,197,596	11,976	1,209,572
2027	1,209,572	64,446	70,422		2,076	41,080	85,298	1,224,448	12,244	1,236,693
2028	1,236,693	52,746	59,366		2,076	42,312	87,857	1,265,184	12,652	1,277,836
2029	1,277,836	743,110	861,468		2,076	43,582	90,493	506,860	5,069	511,929
2030	511,929	740,899	884,672		2,076	44,889	93,207	(279,536)	(8,386)	(287,922)
2031	(287,922)	72	89		2,076	46,236	96,004	(192,007)	(5,760)	(197,767)
2032	(197,767)	-	-		2,076	47,623	98,884	(98,884)	(2,967)	(101,850)
2033	(101,850)	-	-		2,076	49,052	101,850	(0)	(0)	(0)
Total		1,612,978	1,887,952	0	20,764		894,867		46,077	

Note: Numbers may not add due to rounding



**Table C-41
Cash Flow Calculation – Thamesford Water Services – Residential**

Year	D.C. Reserve Fund Opening Balance	Development Related Expenditures	Development Related Expenditures	Development Related Long-Term Debt	Population Growth	\$1,203.03	Anticipated Revenues	Annual Surplus/ (Deficit)	1% / 3%	D.C. Reserve Fund Closing Balance after Interest
		Nominal Project Cost	Project Cost Inflated at 3%	Existing Debt Payments		Per Capita per Year Inflated at (3%) Starting in 2025			D.C. Reserve Fund Interest Earnings/ (Cost)	
2024	1,125,580	182	182		153	1,203.03	183,702	1,309,100	13,091	1,322,191
2025	1,322,191	38,834	39,999		153	1,239.12	189,213	1,471,404	14,714	1,486,118
2026	1,486,118	1,426,394	1,513,262		153	1,276.29	194,889	167,746	1,677	169,423
2027	169,423	441	482		153	1,314.58	200,736	369,678	3,697	373,375
2028	373,375	428	482		153	1,354.02	206,758	579,651	5,797	585,447
2029	585,447	658	763		153	1,394.64	212,961	797,646	7,976	805,622
2030	805,622	308	367		153	1,436.48	219,350	1,024,605	10,246	1,034,851
2031	1,034,851	358	441		153	1,479.57	225,930	1,260,340	12,603	1,272,943
2032	1,272,943	-	-		153	1,523.96	232,708	1,505,652	15,057	1,520,708
2033	1,520,708	1,349,198	1,760,398		153	1,569.68	239,689	0	0	0
Total		2,816,802	3,316,375	0	1,527		2,105,937		84,858	

Note: Numbers may not add due to rounding



Table C-42
Cash Flow Calculation – Thamesford Water Services – Non-Residential

Year	D.C. Reserve Fund Opening Balance	Development Related Expenditures	Development Related Expenditures	Development Related Long-Term Debt	Sq. M. of Gross Floor Area	\$22,791	Anticipated Revenues	Annual Surplus/ (Deficit)	1% / 3%	D.C. Reserve Fund Closing Balance after Interest
		Nominal Project Cost	Project Cost Inflated at 3%	Existing Debt Payments		per sq.m. per Year Inflated at (3%) Starting in 2025			D.C. Reserve Fund Interest Earnings /(Cost)	
2024	60,198	10	10		431	22,791	9,825	70,013	700	70,713
2025	70,713	2,077	2,139		431	23,475	10,119	78,693	787	79,480
2026	79,480	76,286	80,932		431	24,179	10,423	8,971	90	9,061
2027	9,061	24	26		431	24,905	10,736	19,771	198	19,969
2028	19,969	23	26		431	25,652	11,058	31,001	310	31,311
2029	31,311	35	41		431	26,422	11,390	42,660	427	43,086
2030	43,086	16	20		431	27,214	11,731	54,798	548	55,346
2031	55,346	19	24		431	28,031	12,083	67,405	674	68,079
2032	68,079	-	-		431	28,872	12,446	80,525	805	81,330
2033	81,330	72,158	94,149		431	29,738	12,819	0	0	0
Total		150,648	177,366	0	4,311		112,630		4,538	

Note: Numbers may not add due to rounding



Table C-43
Cash Flow Calculation – Thamesford Wastewater Services – Residential

Year	D.C. Reserve Fund Opening Balance	Development Related Expenditures	Development Related Expenditures	Development Related Long-Term Debt	Population Growth	\$3,074.64	Anticipated Revenues	Annual Surplus/ (Deficit)	1% / 3%	D.C. Reserve Fund Closing Balance after Interest
		Nominal Project Cost	Project Cost Inflated at 3%	Existing Debt Payments		Per Capita per Year Inflated at (3%) Starting in 2025			D.C. Reserve Fund Interest Earnings/ (Cost)	
2024	143,763	545,435	545,435		153	3,074.64	469,498	67,826	678	68,504
2025	68,504	1,953,091	2,011,683		153	3,166.88	483,583	(1,459,596)	(43,788)	(1,503,384)
2026	(1,503,384)	9,862	10,463		153	3,261.89	498,091	(1,015,755)	(30,473)	(1,046,228)
2027	(1,046,228)	413	452		153	3,359.75	513,033	(533,646)	(16,009)	(549,656)
2028	(549,656)	401	452		153	3,460.54	528,424	(21,683)	(650)	(22,334)
2029	(22,334)	617	715		153	3,564.36	544,277	521,228	5,212	526,441
2030	526,441	288	344		153	3,671.29	560,605	1,086,702	10,867	1,097,569
2031	1,097,569	336	413		153	3,781.42	577,424	1,674,579	16,746	1,691,325
2032	1,691,325	-	-		153	3,894.87	594,746	2,286,071	22,861	2,308,932
2033	2,308,932	2,239,102	2,921,521		153	4,011.71	612,589	0	0	0
Total		4,749,546	5,491,478	0	1,527		5,382,271		-34,556	

Note: Numbers may not add due to rounding



Table C-44
Cash Flow Calculation – Thamesford Wastewater Services – Non-Residential

Year	D.C. Reserve Fund Opening Balance	Development Related Expenditures	Development Related Expenditures	Development Related Long-Term Debt	Sq. M. of Gross Floor Area	\$26.477	Anticipated Revenues	Annual Surplus/ (Deficit)	1% / 3%	D.C. Reserve Fund Closing Balance after Interest
		Nominal Project Cost	Project Cost Inflated at 3%	Existing Debt Payments		per sq.m. per Year Inflated at (3%) Starting in 2025			D.C. Reserve Fund Interest Earnings /(Cost)	
2024	3,495	13,260	13,260		431	26.477	11,413	1,649	16	1,665
2025	1,665	47,480	48,904		431	27.271	11,756	(35,483)	(1,064)	(36,547)
2026	(36,547)	240	254		431	28.090	12,109	(24,693)	(741)	(25,434)
2027	(25,434)	10	11		431	28.932	12,472	(12,973)	(389)	(13,362)
2028	(13,362)	10	11		431	29.800	12,846	(527)	(16)	(543)
2029	(543)	15	17		431	30.694	13,231	12,671	127	12,798
2030	12,798	7	8		431	31.615	13,628	26,418	264	26,682
2031	26,682	8	10		431	32.563	14,037	40,709	407	41,116
2032	41,116	-	-		431	33.540	14,458	55,574	556	56,130
2033	56,130	54,432	71,022		431	34.547	14,892	(0)	(0)	(0)
Total		115,461	133,498	0	4,311		130,843		-840	

Note: Numbers may not add due to rounding



**Table C-45
Cash Flow Calculation – Embro Water Services – Residential**

Year	D.C. Reserve Fund Opening Balance	Development Related Expenditures	Development Related Expenditures	Development Related Long-Term Debt	Population Growth	\$903.02	Anticipated Revenues	Annual Surplus/ (Deficit)	1% / 3%	D.C. Reserve Fund Closing Balance after Interest
		Nominal Project Cost	Project Cost Inflated at 3%	Existing Debt Payments		Per Capita per Year Inflated at (3%) Starting in 2025			D.C. Reserve Fund Interest Earnings/ (Cost)	
2024	-	39	39		29	903.02	26,097	26,058	261	26,319
2025	26,319	124	128		29	930.11	26,880	53,071	531	53,602
2026	53,602	20,516	21,765		29	958.01	27,687	59,523	595	60,119
2027	60,119	94	103		29	986.75	28,517	88,533	885	89,418
2028	89,418	92	103		29	1,016.36	29,373	118,688	1,187	119,875
2029	119,875	141	163		29	1,046.85	30,254	149,965	1,500	151,465
2030	151,465	66	79		29	1,078.25	31,162	182,548	1,825	184,373
2031	184,373	20,541	25,263		29	1,110.60	32,096	191,207	1,912	193,119
2032	193,119	204,644	259,237		29	1,143.92	33,059	(33,059)	(992)	(34,051)
2033	(34,051)	-	-		29	1,178.24	34,051	0	0	0
Total		246,257	306,880	0	289		299,176		7,704	

Note: Numbers may not add due to rounding



Table C-46
Cash Flow Calculation – Embro Water Services – Non-Residential

Year	D.C. Reserve Fund Opening Balance	Development Related Expenditures	Development Related Expenditures	Development Related Long-Term Debt	Sq. M. of Gross Floor Area	\$6.615	Anticipated Revenues	Annual Surplus/ (Deficit)	1% / 3%	D.C. Reserve Fund Closing Balance after Interest
		Nominal Project Cost	Project Cost Inflated at 3%	Existing Debt Payments		per sq.m. per Year Inflated at (3%) Starting in 2025			D.C. Reserve Fund Interest Earnings /(Cost)	
2024	-	9	9		939	6.615	6,213	6,204	62	6,266
2025	6,266	30	30		939	6.813	6,399	12,635	126	12,761
2026	12,761	4,884	5,182		939	7.018	6,591	14,171	142	14,312
2027	14,312	22	25		939	7.228	6,789	21,077	211	21,288
2028	21,288	22	25		939	7.445	6,993	28,256	283	28,538
2029	28,538	34	39		939	7.668	7,203	35,702	357	36,059
2030	36,059	16	19		939	7.898	7,419	43,459	435	43,894
2031	43,894	4,890	6,014		939	8.135	7,641	45,520	455	45,976
2032	45,976	48,719	61,716		939	8.379	7,870	(7,870)	(236)	(8,107)
2033	(8,107)	-	-		939	8.631	8,107	(0)	(0)	(0)
Total		58,626	73,059	0	9,392		71,225		1,834	

Note: Numbers may not add due to rounding



Table C-47
Cash Flow Calculation – Embro Wastewater Services – Residential

Year	D.C. Reserve Fund Opening Balance	Development Related Expenditures	Development Related Expenditures	Development Related Long-Term Debt	Population Growth	\$2,596.99	Anticipated Revenues	Annual Surplus/ (Deficit)	1% / 3%	D.C. Reserve Fund Closing Balance after Interest
		Nominal Project Cost	Project Cost Inflated at 3%	Existing Debt Payments		Per Capita per Year Inflated at (3%) Starting in 2025			D.C. Reserve Fund Interest Earnings/ (Cost)	
2024	-	44	44		29	2,596.99	75,053	75,010	750	75,760
2025	75,760	139	143		29	2,674.90	77,305	152,921	1,529	154,451
2026	154,451	27,193	28,849		29	2,755.15	79,624	205,225	2,052	207,278
2027	207,278	105	115		29	2,837.81	82,013	289,175	2,892	292,067
2028	292,067	947	1,065		29	2,922.94	84,473	375,474	3,755	379,229
2029	379,229	26,805	31,074		29	3,010.63	87,007	435,162	4,352	439,514
2030	439,514	29,394	35,097		29	3,100.95	89,617	494,034	4,940	498,974
2031	498,974	29,406	36,165		29	3,193.97	92,306	555,115	5,551	560,666
2032	560,666	-	-		29	3,289.79	95,075	655,741	6,557	662,298
2033	662,298	582,650	760,226		29	3,388.49	97,927	0	0	0
Total		696,681	892,778	0	289		860,400		32,379	

Note: Numbers may not add due to rounding



Table C-48
Cash Flow Calculation – Embro Wastewater Services – Non-Residential

Year	D.C. Reserve Fund Opening Balance	Development Related Expenditures	Development Related Expenditures	Development Related Long-Term Debt	Sq. M. of Gross Floor Area	\$8.647	Anticipated Revenues	Annual Surplus/ (Deficit)	1% / 3%	D.C. Reserve Fund Closing Balance after Interest
		Nominal Project Cost	Project Cost Inflated at 3%	Existing Debt Payments		per sq.m. per Year Inflated at (3%) Starting in 2025			D.C. Reserve Fund Interest Earnings /(Cost)	
2024	-	5	5		939	8.647	8,122	8,117	81	8,198
2025	8,198	15	15		939	8.906	8,365	16,548	165	16,714
2026	16,714	2,943	3,122		939	9.174	8,616	22,208	222	22,430
2027	22,430	11	12		939	9.449	8,875	31,293	313	31,606
2028	31,606	102	115		939	9.732	9,141	40,631	406	41,038
2029	41,038	2,901	3,363		939	10.024	9,415	47,090	471	47,561
2030	47,561	3,181	3,798		939	10.325	9,698	53,461	535	53,996
2031	53,996	3,182	3,914		939	10.635	9,989	60,071	601	60,672
2032	60,672	-	-		939	10.954	10,288	70,960	710	71,669
2033	71,669	63,050	82,267		939	11.282	10,597	(0)	(0)	(0)
Total		75,390	96,611	0	9,392		93,107		3,504	

Note: Numbers may not add due to rounding



Table C-49
Cash Flow Calculation – Mount Elgin Water Services – Residential

Year	D.C. Reserve Fund Opening Balance	Development Related Expenditures	Development Related Expenditures	Development Related Long-Term Debt	Population Growth	\$924.85	Anticipated Revenues	Annual Surplus/ (Deficit)	1% / 3%	D.C. Reserve Fund Closing Balance after Interest
		Nominal Project Cost	Project Cost Inflated at 3%	Existing Debt Payments		Per Capita per Year Inflated at (3%) Starting in 2025			D.C. Reserve Fund Interest Earnings/ (Cost)	
2024	149,315	31	31	126,182	93	924.85	86,289	109,390	1,094	110,484
2025	110,484	16,024	16,505	122,923	93	952.60	88,877	59,933	599	60,532
2026	60,532	23	24	119,825	93	981.17	91,544	32,227	322	32,549
2027	32,549	76	83	116,727	93	1,010.61	94,290	10,029	100	10,130
2028	10,130	74	83	113,756	93	1,040.93	97,119	(6,591)	(198)	(6,788)
2029	(6,788)	113	131	110,531	93	1,072.16	100,032	(17,418)	(523)	(17,941)
2030	(17,941)	53	63	107,433	93	1,104.32	103,033	(22,404)	(672)	(23,076)
2031	(23,076)	61	76	104,335	93	1,137.45	106,124	(21,363)	(641)	(22,004)
2032	(22,004)	-	-	101,331	93	1,171.57	109,308	(14,027)	(421)	(14,448)
2033	(14,448)	-	-	98,139	93	1,206.72	112,587	0	0	0
Total		16,455	16,996	1,121,182	933		989,202		-338	

Note: Numbers may not add due to rounding



**Table C-50
Cash Flow Calculation – Mount Elgin Water Services – Non-Residential**

Year	D.C. Reserve Fund Opening Balance	Development Related Expenditures	Development Related Expenditures	Development Related Long-Term Debt	Sq. M. of Gross Floor Area	\$6.957	Anticipated Revenues	Annual Surplus/ (Deficit)	1% / 3%	D.C. Reserve Fund Closing Balance after Interest
		Nominal Project Cost	Project Cost Inflated at 3%	Existing Debt Payments		per sq.m. per Year Inflated at (3%) Starting in 2025			D.C. Reserve Fund Interest Earnings /(Cost)	
2024	13,656	3	3	11,540	1,134	6.957	7,892	10,004	100	10,104
2025	10,104	1,466	1,509	11,242	1,134	7.166	8,128	5,481	55	5,536
2026	5,536	2	2	10,959	1,134	7.381	8,372	2,947	29	2,977
2027	2,977	7	8	10,675	1,134	7.602	8,623	917	9	926
2028	926	7	8	10,404	1,134	7.830	8,882	(603)	(18)	(621)
2029	(621)	10	12	10,109	1,134	8.065	9,148	(1,593)	(48)	(1,641)
2030	(1,641)	5	6	9,825	1,134	8.307	9,423	(2,049)	(61)	(2,110)
2031	(2,110)	6	7	9,542	1,134	8.556	9,706	(1,954)	(59)	(2,012)
2032	(2,012)	-	-	9,267	1,134	8.813	9,997	(1,283)	(38)	(1,321)
2033	(1,321)	-	-	8,975	1,134	9.077	10,297	-	-	-
Total		1,505	1,554	102,538	11,343		90,468		-31	

Note: Numbers may not add due to rounding



Table C-51
Cash Flow Calculation – Mount Elgin Wastewater Services – Residential

Year	D.C. Reserve Fund Opening Balance	Development Related Expenditures	Development Related Expenditures	Development Related Long-Term Debt	Population Growth	\$3,187.70	Anticipated Revenues	Annual Surplus/ (Deficit)	1% / 3%	D.C. Reserve Fund Closing Balance after Interest
		Nominal Project Cost	Project Cost Inflated at 3%	Existing Debt Payments		Per Capita per Year Inflated at (3%) Starting in 2025			D.C. Reserve Fund Interest Earnings/ (Cost)	
2024	(508)	1,070,882	1,070,882		93	3,187.70	297,412	(773,978)	(23,219)	(797,197)
2025	(797,197)	1,366,958	1,407,966		93	3,283.33	306,335	(1,898,828)	(56,965)	(1,955,793)
2026	(1,955,793)	19	20		93	3,381.83	315,525	(1,640,289)	(49,209)	(1,689,497)
2027	(1,689,497)	64	70		93	3,483.29	324,991	(1,364,577)	(40,937)	(1,405,514)
2028	(1,405,514)	535,502	602,712		93	3,587.79	334,740	(1,673,486)	(50,205)	(1,723,690)
2029	(1,723,690)	95	111		93	3,695.42	344,783	(1,379,018)	(41,371)	(1,420,389)
2030	(1,420,389)	45	53		93	3,806.28	355,126	(1,065,316)	(31,959)	(1,097,276)
2031	(1,097,276)	52	64		93	3,920.47	365,780	(731,560)	(21,947)	(753,506)
2032	(753,506)	-	-		93	4,038.08	376,753	(376,753)	(11,303)	(388,056)
2033	(388,056)	-	-		93	4,159.23	388,056	0	0	0
Total		2,973,616	3,081,878	0	933		3,409,501		-327,114	

Note: Numbers may not add due to rounding



Table C-52
Cash Flow Calculation – Mount Elgin Wastewater Services – Non-Residential

Year	D.C. Reserve Fund Opening Balance	Development Related Expenditures	Development Related Expenditures	Development Related Long-Term Debt	Sq. M. of Gross Floor Area	\$26.643	Anticipated Revenues	Annual Surplus/ (Deficit)	1% / 3%	D.C. Reserve Fund Closing Balance after Interest
		Nominal Project Cost	Project Cost Inflated at 3%	Existing Debt Payments		per sq.m. per Year Inflated at (3%) Starting in 2025			D.C. Reserve Fund Interest Earnings /(Cost)	
2024	(52)	108,820	108,820		1,134	26.643	30,222	(78,649)	(2,359)	(81,009)
2025	(81,009)	138,906	143,074		1,134	27.442	31,129	(192,954)	(5,789)	(198,742)
2026	(198,742)	2	2		1,134	28.265	32,063	(166,682)	(5,000)	(171,682)
2027	(171,682)	6	7		1,134	29.113	33,025	(138,664)	(4,160)	(142,824)
2028	(142,824)	54,416	61,246		1,134	29.987	34,015	(170,055)	(5,102)	(175,157)
2029	(175,157)	10	11		1,134	30.886	35,036	(140,132)	(4,204)	(144,336)
2030	(144,336)	5	5		1,134	31.813	36,087	(108,254)	(3,248)	(111,502)
2031	(111,502)	5	6		1,134	32.767	37,170	(74,339)	(2,230)	(76,569)
2032	(76,569)	-	-		1,134	33.750	38,285	(38,285)	(1,149)	(39,433)
2033	(39,433)	-	-		1,134	34.763	39,433	0	0	0
Total		302,170	313,172	0	11,343		346,464		-33,240	

Note: Numbers may not add due to rounding



Appendix D

Long-Term Capital and Operating Cost Examination



Appendix D: Long-Term Capital and Operating Cost Examination

As a requirement of the D.C.A. under subsection 10(2)(c), an analysis must be undertaken to assess the long-term capital and operating cost impacts for the capital infrastructure projects identified within the D.C. As part of this analysis, it was deemed necessary to isolate the incremental operating expenditures directly associated with these capital projects, factor in cost savings attributable to economies of scale or cost sharing where applicable and prorate the cost on a per unit basis (i.e., sq.ft. of building space, per vehicle, etc.). This was undertaken through a review of the County's 2022 Financial Information Return.

In addition to the operational impacts, over time the initial capital projects will require replacement. This replacement of capital is often referred to as lifecycle cost. By definition, lifecycle costs are all the costs which are incurred during the life of a physical asset, from the time its acquisition is first considered, to the time it is taken out of service for disposal or redeployment. The method selected for lifecycle costing is the sinking fund method which provides that money will be contributed annually and invested, so that those funds will grow over time to equal the amount required for future replacement.

Table D-1 depicts the annual operating impact resulting from the proposed gross capital projects at the time they are all in place. It is important to note that, while municipal program expenditures will increase with growth in population, the costs associated with the new infrastructure (i.e., facilities) would be delayed until the time these works are in place.



Table D-1
Operating and Capital Expenditure Impacts for Future Capital Expenditures

SERVICE/CLASS		ANNUAL LIFECYCLE EXPENDITURES	ANNUAL OPERATING EXPENDITURES	TOTAL ANNUAL EXPENDITURES
1.	Services Related to a Highway	2,142,455	552,887	2,695,341
2.	Library Services ¹	512,377	643,339	1,155,716
3.	Ambulance Services	104,085	686,208	790,293
4.	Long-term Care Facilities	601,598	7,550,846	8,152,444
5.	Waste Diversion Services	35,125	571,828	606,953
6.	Water	1,221,340	3,309,212	4,530,553
7.	Wastewater	1,915,985	3,805,048	5,721,033
Total		6,532,965	17,119,369	23,652,334



Appendix E

Proposed Development Charge By-law

County of Oxford

By-Law No. XXXX-2024

A By-law to Establish Development Charges for the County of Oxford

WHEREAS subsection 2 (1) of the *Development Charges Act, 1997*, S.O. 1997, c.27 (hereinafter called “the Act”) provides that the 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 the Development of the area to which the by-law applies;

AND WHEREAS Council has before it a report entitled “Development Charges Background Study” (the “Study”), the County of Oxford, hereinafter referred to as the “County”, dated April 12, 2024 by Watson & Associates Economists Ltd., wherein it is indicated that the Development of any land within the County will increase the need for Services as defined herein;

AND WHEREAS Council gave notice to the public and held a public meeting pursuant to section 12 of the Act on May 8, 2024 prior to and at which the Study and the proposed Development Charge by-law were made available to the public in accordance with the Act and regulations thereto and Council heard comments and representations from all persons who applied to be heard (the “Public Meeting”);

AND WHEREAS Council intends to ensure that the increase in the need for Services attributable to the anticipated development, including any capital costs, will be met, by updating its capital budget and forecast where appropriate;

AND WHEREAS by approval of the Study, dated April 12, 2024, Council has indicated its intent that the future excess capacity identified in the Study, shall be paid for by the development charges or other similar charges.

NOW THEREFORE THE COUNCIL OF THE COUNTY OF OXFORD ENACTS AS FOLLOWS:

1. DEFINITIONS

In this by-law,

- (1) “**Act**” means the *Development Charges Act, 1997*, c. 27, as amended;
- (2) “**Affordable housing**” means Dwelling Units and incidental facilities, primarily for persons of low and moderate income, that meet the requirements of any program for such purpose as administered by any agency of the Federal or Provincial government, the County of Oxford and/or the Area Municipality and for which an agreement has been entered into with the County of Oxford with respect to the provision of such Dwelling Units and facilities;

- (3) “**Apartment Dwelling**” means any Dwelling Unit within a Building containing more than four Dwelling Units where the units are connected by an interior corridor. Notwithstanding the foregoing, an Apartment Dwelling includes a Stacked Townhouse Dwelling;
- (4) “**Area Municipality**” means a lower-tier municipality that forms part of the County of Oxford;
- (5) “**Back-to-back Townhouse Dwelling**” means a building containing four (4) or more Dwelling Units separated vertically by a common wall, including a rear common wall, that does not have a rear yard with amenity area;
- (6) “**Bedroom**” means a habitable room larger than seven square metres, including a den, study, or other similar area, but does not include a living room, dining room or kitchen;
- (7) “**Board of Education**” means a board defined in subsection 1 (1) of the *Education Act*, R.S.O. 1990, c. E,2, as amended;
- (8) “**Building Code Act**” means the *Building Code Act*, R.S.O. 1992, S.O. 1992, c. 23, as amended;
- (9) “**Building**” means a permanent enclosed structure occupying an area greater than ten square metres (10 m²) and, notwithstanding the generality of the foregoing, includes, but is not limited to:
 - (a) An above-grade storage tank;
 - (b) An air-supported structure;
 - (c) An industrial tent;
 - (d) A roof-like structure over a gas-bar or service station; and
 - (e) An area attached to and ancillary to a retail Development delineated by one or more walls or part walls, a roof-like structure, or any one or more of them;
- (10) “**Bunk House**” means a Building accessory to a permitted farming use containing kitchen and sanitary facilities and sleeping accommodation in individual or combination rooms for seasonal workers directly employed by the permitted use. For clarity, a Bunk House is not a Residential Use;
- (11) “**Capital Cost**” means costs incurred or proposed to be incurred by the County or a local board thereof directly or by others on behalf of, and as authorized by, the County or local board,
 - (a) to acquire land or an interest in land, including a leasehold interest;

- (b) to improve land;
- (c) to acquire, lease, construct or improve buildings and structures;
- (d) to acquire, lease, construct or improve facilities including (but not limited to),
 - (i) furniture and equipment, other than computer equipment; and
 - (ii) material acquired for circulation, reference or information purposes by a library board within the meaning of the *Public Libraries Act*;
- (e) rolling stock with an estimated useful life of seven years or more;
- (f) interest on money borrowed to pay for costs in (a) to (e);

required for provision of Services designated in this by-law within or outside the County;

- (12) “**Council**” means the Council of the County of Oxford;
- (13) “**Development**” means any activity or proposed activity in respect of land that requires one or more of the actions referred to in section 5 of this by-law and including the redevelopment of land or the redevelopment, expansion, extension or alteration of a use, building or structure except interior alterations to an existing Building or structure which do not change or intensify the use of land;
- (14) “**Development Charge**” means a charge imposed pursuant to this by-law;
- (15) “**Dwelling**” or “**Dwelling Unit**” means any part of a building or structure with a room or suite of rooms used, or designed or intended for use, by one person or persons living together, in which sanitary facilities and a separate kitchen may or may not be provided for the exclusive use of such person or persons;
- (16) “**Farm Building**” means a Building or structure associated with and located on land devoted to the practice of farming, as defined by the *Farming and Food Production Protection Act, 1998*, and that is used essentially for the housing of farm equipment or livestock, or the production, storage or processing of agricultural and horticultural produce or feeds, and as part of or in connection with a bona fide farming operation and includes barns, silos and other Buildings or structures ancillary to that farming operation, but excludes:
 - (a) Bunk House for seasonal farm workers required for that farm operation; and

- (b) any Building or portion thereof used or intended to be used for any other Non-Residential Use, including, but not limited to: retail sales; commercial services; restaurants; banquet facilities; hospitality and accommodation facilities; gift shops; contractors shops; services related to grooming, boarding, or breeding of household pets; and alcohol or cannabis production facilities;
- (17) **"Grade"** means the average level of finished ground adjoining a Building or structure at all exterior walls;
- (18) **"Gross Floor Area"** means the total floor area measured between the outside of exterior walls, or between the outside of exterior walls and the centre line of party walls dividing the Building from another Building, of all floors above the average level of finished ground adjoining the Building at its exterior walls;
- (19) **"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;
 - (c) 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, production, or processing takes place;
 - (d) office or administrative purposes, if they are;
 - (i) carried out with respect to manufacturing, producing, processing, storage or distributing of something, and
 - (ii) in or attached to the Building or structure used for that manufacturing, producing, processing, storage or distribution;

and shall not include self-storage facilities or retail warehouses;

- (20) **"Institutional Development"** means development of a Building or structure intended for use,
- (a) as a long-term care home within the meaning of subsection 2(1) of the *Long-Term Care Homes Act, 2007*;
 - (b) as a retirement home within the meaning of subsection 2(2) of the *Retirement Homes Act, 2010*;

- (c) by any of the following post-secondary institutions for the objects of the institutions:
 - (i) a university in Ontario that receives direct, regular and ongoing operating funding from the Government of Ontario
 - (ii) a college or university federated or affiliated with a university described in subclause 1.19.3.2; or
 - (iii) an Indigenous Institute prescribed for the purposes of section 6 of the *Indigenous Institutes Act, 2017*
 - (d) as a memorial home, clubhouse or athletic grounds by an Ontario branch of the Royal Canadian Legion; or
 - (e) as a hospice to provide end of life care;
- (21) “**Local Board**” means a municipal service board, public utility commission, public library board, board of health, police services board or any other board, commission, committee or body or local authority established or exercising any power or authority under any general or special Act with respect to any of the affairs or purposes, including school purposes, of the County or any part or parts thereof, excluding a conservation authority, any municipal business corporation not deemed to be a local board under O. Reg. 168/03 under the *Municipal Act, 2001*, S.O. 2001, c. 25, as amended, and any corporation enacted under the *Electricity Act, 1998*, S.O. 1998, c. 15, Sched. A, as amended, or successor legislation;
- (22) “**Local Services**” means those services or facilities which are under the jurisdiction of the County and are related to a plan of subdivision or within the area to which the plan relates, required as a condition of approval under s.51 of the *Planning Act*, or as a condition of approval under s.53 of the *Planning Act*;
- (23) “**Long-Term Care Home**” means the floor area of a facility directly related to beds that are licensed, regulated or funded by the Ministry of Health and Long-Term Care, in an approved charitable home for the aged (as defined in the *Charitable Institutions Act*, R.S.O. 1990, c. C.9), a home (as defined in the *Homes for the Aged and Rest Homes Act*, R.S.O. 1990, c. H.13), or a nursing home (as defined in the *Nursing Homes Act*, R.S.O. 1990, c. N.7);
- (24) “**Mezzanine**” means an intermediate floor assembly between the floor and ceiling of any room or storey and includes an interior balcony;
- (25) “**Multiple Dwelling**” means all Dwellings other than Single Detached Dwellings, Semi-Detached Dwellings, and Apartment Dwellings, and shall include Park Model Trailers;

- (26) **"Non-Profit Housing Development"** means development of a Building or structure intended for use as residential premises by:
- (a) a corporation to which the *Canada Not-for-profit Corporation Act, 2010* applies, that is in good standing under that Act and whose primary objective is to provide housing,
 - (b) a corporation without share capital to which the *Canada Not-for-profit Corporation Act, 2010* 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*;
- (27) **"Non-Residential Uses"** means a Building or structure, or portions thereof, used, or designed or intended for a use other than a Residential Use;
- (28) **"Official Plan"** means the Official Plan of the County of Oxford and any amendments thereto;
- (29) **"Owner"** means the owner of land or a person who has made application for an approval for the development of land upon which a Development Charge is imposed;
- (30) **"Park Model Trailer"** means a trailer conforming to National Standard of Canada CAN CSA-Z241.0-92, CAN CSA-Z240 or similar standard that is up to a maximum size of 50 square metres and designed to facilitate relocation from time to time;
- (31) **"Planning Act"** means the *Planning Act, 1990*, R.S.O. 1990, c.P.13, as amended;
- (32) **"Private School"** means an academic education school to which all of the following apply:
- (a) registered with the Province as a "private school" under section 16 of the *Education Act*;
 - (b) non-publicly funded;
 - (c) operated on a not-for-profit basis;
 - (d) operated by a non-share non-profit corporation, or an established or a "religious organization" as defined by the *Religious Organizations' Land Act*; and
 - (e) offering elementary or secondary academic education;

- (33) "**Regulation**" means any regulation made pursuant to the Act;
- (34) "**Rental Housing Development**" means development of a Building or structure with four or more residential units all of which are intended for use as rented residential premises;
- (35) "**Residential Uses**" means lands, Buildings or structures or portions thereof used, or designed or intended for use as a home or residence of one or more individuals, and shall include Single Detached Dwelling, Semi-Detached Dwelling, Multiple Dwelling, Apartment Dwelling, and the residential portion of a mixed-use Building or structure;
- (36) "**Row Townhouse Dwelling**" means a Building vertically divided into three or more Dwelling Units by common walls extending from the base of the foundation to the roof. Each Dwelling Unit shall have separate entrance directly to the outside;
- (37) "**Semi-Detached Dwelling**" means a Building divided vertically into two Dwelling Units each of which has a separate entrance and access to grade;
- (38) "**Services**" means services set out in Schedule "A" to this by-law;
- (39) "**Single Detached Dwelling**" means a completely detached Building containing only one Dwelling Unit;
- (40) "**Special Care/Special Need Dwelling**" means a Building, or part of a Building:
- (a) containing two or more Dwelling Units which units have a common entrance from street level;
 - (b) where the occupants have the right to use in common with other occupants, halls, stairs, yards, common rooms and accessory Buildings;
 - (c) that is designed to accommodate persons with specific needs, including but not limited to independent permanent living arrangements; and
 - (d) where support services, such as meal preparation, grocery shopping, laundry, housekeeping, nursing, respite care and attendant services are provided at any one or more various levels;

and includes, but is not limited to, retirement homes or lodges, charitable dwellings, group homes (including correctional group homes) and hospices;

Special Care/Special Needs Dwellings will be charged the D.C. rate for Bachelor and 1 Bedroom Apartment Units;

- (41) **“Stacked Townhouse Dwelling”** means a Building, other than a Row Townhouse or Back to Back Townhouse, containing at least 3 Dwelling Units; each Dwelling Unit separated from the other vertically and/or horizontally and each Dwelling Unit having a separate entrance to grade;
- (42) **“Temporary Building or Structure”** means a Building or structure constructed or erected or placed on land for a continuous period not exceeding twelve months, or an addition or alteration to a Building or structure that has the effect of increasing the total floor area thereof for a continuous period not exceeding twelve months;
- (43) **“Temporary Dwelling Unit”** means a Dwelling Unit, which is:
- (a) designed to be portable (e.g. mobile home);
 - (b) clearly ancillary to, and fully detached from, an existing permanent Dwelling Unit located on the same lot;
 - (c) only permitted to be in place for a limited period of time; and
 - (d) subject to an agreement with the Area Municipality specifying the maximum period of time the Dwelling Unit is to be permitted and any other matters that may be deemed necessary or appropriate by the Area Municipality, such as installation, maintenance and removal provisions, financial security requirements and restrictions on occupancy;
- (44) **“Total Floor Area”** means, the sum total of the total areas of all floors in a Building or structure whether at above or below grade measured between the exterior faces of the exterior walls of the building or structure or from the centre line of a common wall separating two uses or from the outside edge of a floor where the outside edge of the floor does not meet an exterior or common wall, and;
- (a) includes the floor area of a mezzanine, atrium, or air supported structure, and the space occupied by interior wall partitions;
 - (b) excludes those areas used exclusively for parking garages or structures; and
 - (c) where a Building or structure does not have any walls, the total floor area of the building or structure shall be the total of the area of all floors including the ground floor that are directly beneath the roof of the Building or structure;
- (45) **“Wind Turbine”** means any wind energy conversion system with a nameplate generating capacity greater than 300 kilowatts, that converts wind energy into electricity for sale to an electrical utility or intermediary.

2. CALCULATION OF DEVELOPMENT CHARGES

- (1) Subject to the provisions of this by-law, the Development Charge against land in the County shall be imposed, calculated and collected in accordance with the rates set out in Schedules “B1” to “B27” relating to the Services set out in Schedule “A”.
- (2) Notwithstanding subsection 2 (1), the Development Charge for Library Service shall not be levied on any development within the jurisdiction of the City of Woodstock.
- (3) Council hereby determines that the Development of land, Buildings or structures for Residential and Non-Residential uses will require the provision, enlargement or expansion of the Services referenced in Schedule “A”; and shall be calculated as follows:
 - (a) In the case of Residential Development, or a Residential portion of a mixed-use Development or redevelopment, the Development Charge shall be the sum of the products of:
 - (i) the number of Dwelling Units of each type, multiplied by,
 - (ii) the corresponding total dollar amount for such Dwelling Unit as set out in Schedules “B1” to “B27”, further adjusted by section 13; and
 - (b) In the case of Non-Residential Development, or a Non-Residential portion of a mixed-use Development or redevelopment, the Development Charge shall be the sum of the products of:
 - (i) the Total Floor Area of Non-Residential Development or Non-Residential portion of mixed-use Development multiplied by,
 - (ii) the corresponding total dollar amount per square metre of Total Floor Area, as set out in Schedules “B1” to “B27”; further adjusted by section 13; and
 - (c) In the case of Bunk Houses, the maximum number of beds as determined by the Ministry of Health multiplied by the corresponding charge per bed as set out in Schedules “B1” to “B27” further adjusted by section 13.
 - (d) In the case of Wind Turbines, the sum of the number of Wind Turbines multiplied by the corresponding amount for each Wind Turbine as set out in Schedules “B1” to “B27”, further adjusted by section 13.

3. APPLICABLE LANDS

- (1) Subject to the exceptions and exemptions described in the following subsections, this by-law applies to all lands in the County, whether or not the land or use is exempt from taxation under section 3 of the *Assessment Act*, R.S.O. 1990, c.A.31, as amended, except where:
 - (a) Schedule “B5” does not apply in the City of Woodstock.
 - (b) Schedules “B6” and “B7” apply only to those lands within the boundaries designated in Schedule “C1” of the By-law. Schedules “B6” and “B7” shall also apply to any additional lands that may be incorporated into the corporate boundary for the City of Woodstock through a municipal boundary adjustment process and/or designated as large urban centre (City of Woodstock) on Schedule C-3 of the County of Oxford Official Plan through an Official Plan amendment.
 - (c) Schedules “B8” and “B9” apply only to those lands within the boundaries designated in Schedule “C2” of the By-law. Schedules “B8” and “B9” shall also apply to any additional lands that may be incorporated into the corporate boundary for the Town of Tillsonburg through a municipal boundary adjustment process and/or designated as large urban centre (Town of Tillsonburg) on Schedule C-3 of the County of Oxford Official Plan through an Official Plan amendment.
 - (d) Schedules “B10” and “B11” apply only to those lands within the boundaries designated in Schedule “C3” of the By-law. Schedules “B10” and “B11” shall also apply to any additional lands that may be incorporated into the corporate boundary for the Town of Ingersoll through a municipal boundary adjustment process and/or designated as large urban centre (Town of Ingersoll) on Schedule C-3 of the County of Oxford Official Plan through an Official Plan amendment.
 - (e) Schedules “B12” and “B13” apply only to those lands within the boundaries designated in Schedule “C4” of the By-law. Schedules “B12” and “B13” shall also apply to any additional lands that may be designated as settlement (Village of Plattsville) on Schedule B-1 of the County of Oxford Official Plan through an Official Plan amendment.
 - (f) Schedules “B14” and “B15” apply only to those lands within the boundaries designated in Schedule “C5” of the By-law. Schedules “B14” and “B15” shall also apply to any additional lands that may be designated as settlement (Village of Drumbo) on Schedule B-1 of the County of Oxford Official Plan through an Official Plan amendment.
 - (g) Schedules “B16” and “B17” apply only to those lands within the boundaries designated in Schedule “C6” of the By-law. Schedules “B16” and “B17” shall also apply to any additional lands that may be

designated as settlement (Village of Tavistock) on Schedule E-1 of the County of Oxford Official Plan through an Official Plan amendment.

- (h) Schedules “B18” and “B19” apply only to those lands within the boundaries designated in Schedule “C7” of the By-law. Schedules “B18” and “B19” shall also apply to any additional lands that may be designated as settlement (Village of Innerkip) on Schedule E-3 of the County of Oxford Official Plan through an Official Plan amendment.
 - (i) Schedules “B20” and “B21” apply only to those lands within the boundaries designated in Schedule “C8” of the By-law. Schedules “B20” and “B21” shall also apply to any additional lands that may be designated as settlement (Village of Norwich) on Schedule N-1 of the County of Oxford Official Plan through an Official Plan amendment.
 - (j) Schedules “B22” and “B23” apply only to those lands within the boundaries designated in Schedule “C9” of the By-law. Schedules “B22” and “B23” shall also apply to any additional lands that may be designated as settlement (Village of Thamesford) on Schedule Z-1 of the County of Oxford Official Plan through an Official Plan amendment.
 - (k) Schedules “B24” and “B25” apply only to those lands within the boundaries designated in Schedule “C10” of the By-law. Schedules “B24” and “B25” shall also apply to any additional lands that may be designated as settlement (Village of Embro) on Schedule Z-1 of the County of Oxford Official Plan through an Official Plan amendment.
 - (l) Schedules “B26” and “B27” apply only to those lands within the boundaries designated in Schedule “C11” of the By-law. Schedules “B26” and “B27” shall also apply to any additional lands that may be designated as settlement (Village of Mount Elgin) on Schedule S-1 of the County of Oxford Official Plan through an Official Plan amendment.
- (2) This by-law shall not apply to land that is owned by and used for the purposes of:
- (a) a Board of Education;
 - (b) any municipality or Local Board thereof;
 - (c) a Place of Worship exempt under s.3 of the *Assessment Act*, R.S.O. 1990, c. A31, as amended;
 - (d) a Public Hospital under the *Public Hospitals Act*, R.S.O. 1990, c. P.40, as amended;

- (e) land vested in or leased to a university that receives regular and ongoing operating funds from the government for the purposes of post-secondary education if the Development in respect of which Development Charges would otherwise be payable is intended to be occupied and used by the university.
- (3) This by-law shall not apply to:
- (a) Farm Buildings as defined herein;
 - (b) Industrial Buildings as defined herein, excluding Wind Turbines;
 - (c) Private Schools as defined herein;
 - (d) Temporary Buildings or structures as defined herein;
 - (e) Affordable Housing as defined herein;
 - (f) Temporary Dwelling Units as defined herein;
 - (g) Long-Term Care home, as defined herein;
 - (h) Lands shown in Schedule “D”. For greater certainty, these lands are designated as “Central Business District” and “Entrepreneurial District” in the County of Oxford Official Plan, Schedules I-1, T-1, and W-2.
 - (i) Notwithstanding any other provision of this by-law, no Development Charge is payable with respect to an enlargement of the Gross Floor Area of an existing Industrial Building where the Gross Floor Area is enlarged by 50 percent or less. If the Gross Floor Area of an existing Industrial Building is enlarged by greater than 50 percent, the amount of the Development Charge payable in respect of the enlargement is the amount of the Development Charge that would otherwise be payable multiplied by Gross Floor Area created that is greater than 50% of the existing Gross Floor Area:
 - (i) notwithstanding subsection 3 (3) (i), the exemption for an existing Industrial Building shall be applied to a maximum of fifty percent (50%) of the Gross Floor Area before the first enlargement for which an exemption from the payment of Development Charges was granted pursuant to this by-law or its predecessor.
 - (ii) The Total Floor Area of an existing Industrial Building is enlarged where there is a bona fide increase in the size of the existing Industrial Building, the enlarged area is attached to the existing Industrial Building, there is a direct means of ingress and egress from the existing Industrial Building to and from the

enlarged area for persons, goods and equipment and the existing Industrial Building and the enlarged area are used for or in connection with an Industrial purpose as set out in subsection 1(1) of the Regulation. Without limiting the generality of the foregoing, the exemption in this section shall not apply where the enlarged area is attached to the existing Industrial Building by means only of a tunnel, bridge, canopy, corridor, or other passageway, or through a shared below grade connection such as a service tunnel, foundation, footing or parking facility.

4. **RULES WITH RESPECT TO EXEMPTIONS FOR INTENSIFICATION OF HOUSING**

- (1) Notwithstanding section 3 above, no Development Charges shall be imposed with respect to Developments or portions of Developments as follows:
 - (a) The enlargement of an existing Dwelling Unit;
 - (b) a second residential Dwelling Unit in an existing or new Single Detached Dwelling, Semi-Detached Dwelling, or Row-Townhouse Dwelling on a parcel of land on which Residential Use, other than ancillary Residential Use, is permitted, if all Buildings and structures ancillary to the existing or new Single Detached Dwelling, Semi-Detached Dwelling, or Row-Townhouse Dwelling cumulatively contain no more than one residential Dwelling Unit;
 - (c) a third residential Dwelling Unit in an existing or new Single Detached Dwelling, Semi-Detached Dwelling, or Row-Townhouse Dwelling on a parcel of land on which Residential Use, other than ancillary Residential Use, is permitted, if no Building or structure ancillary to the existing or new Single Detached Dwelling, Semi-Detached Dwelling, or Row-Townhouse Dwelling contains any residential Dwelling Units;
 - (d) one residential Dwelling Unit in a Building or structure ancillary to an existing or new Single Detached Dwelling, Semi-Detached Dwelling, or Row-Townhouse Dwelling on a parcel of land, if the existing or new Single Detached Dwelling, Semi-Detached Dwelling, or Row-Townhouse Dwelling contains no more than two residential Dwelling Units and no other Building or structure ancillary to the existing or new Single Detached Dwelling, Semi-Detached Dwelling, or Row-Townhouse Dwelling contains any residential Dwelling Units; or
 - (e) in an existing rental residential Building, which contains four or more residential Dwelling Units, the creation of the greater of one residential Dwelling Unit or one per cent of the existing residential Dwelling Units.

- (2) For the purposes of subsections 4 (1) (d) a residential Dwelling Unit in a Building or structure ancillary to an existing or new Single Detached Dwelling, Semi-Detached Dwelling, or Row-Townhouse Dwelling must be clearly secondary and subordinate to the principal Dwelling Unit on the lot and:
- (a) have Gross Floor Area of no greater than 60% of the Gross Floor Area of the principal Dwelling Unit, to a maximum of 140 m²; and
 - (b) shall be located a maximum distance of 30 m from the principal Dwelling Unit.

5. **TIMING OF CALCULATION FOR DEVELOPMENT CHARGES**

- (1) Subject to subsection 5 (2), Development Charges shall be calculated and collected in accordance with the provisions of this by-law and be imposed on land to be developed for Residential and Non-Residential Use, where, the Development requires:
- (a) the passing of a zoning by-law or an amendment thereto under section 34 of the *Planning Act*, R.S.O. 1990, c.P.13;
 - (b) the approval of a minor variance under section 45 of the *Planning Act*, R.S.O. 1990, c.P.13;
 - (c) conveyance of land to which a by-law passed under subsection 50 (7) of the *Planning Act*, R. S.O. 1990, c.P.13 applies;
 - (d) the approval of a plan of subdivision under section 51 of the *Planning Act*, R.S.O. 1990, c.P.13;
 - (e) a consent under section 53 of the *Planning Act*, R.S.O. 1990, c.P.13;
 - (f) the approval of a description under section 9 of the *Condominium Act*, S.O. 1998, c.9, as amended; or
 - (g) the issuing of a permit under the *Building Code Act*, 1992, S.O. 1992, c.23, as amended in relation to a Building or structure.
- (2) Subsection 5 (1) shall not apply in respect to:
- (a) Local Services installed or paid for by the owner within a plan of subdivision or within the area to which the plan relates, as a condition of approval under section 51 of the *Planning Act*, R.S.O. 1990, c.P.13;
 - (b) Local Services installed or paid for by the owner as a condition of approval under section 53 of the *Planning Act*, R.S.O. 1990 c.P.13.

- (3) A Development Charge shall be calculated and payable in full in money or by provision of Services as may be agreed upon, or by credit granted pursuant to the Act or this by-law, on the date that the first building permit is issued in relation to a Building or structure on land to which a Development Charge applies.
- (4) Where a Development Charge applies 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.
- (5) Notwithstanding subsection 5 (1), Development Charges for Rental Housing and Institutional Developments are due and payable in 6 equal installments commencing with the first installment payable on the date of occupancy, and each subsequent installment, including interest, payable on the anniversary date each year thereafter.
- (6) Notwithstanding subsections 5 (1) and 5 (3), 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 2 years of building permit issuance, the Development Charges under section 2 shall be calculated based on the rates set out in Schedules "B1" to "B27" on the date of the planning application. Where both planning applications apply, Development Charges under section 2 shall be calculated on the rates set out in Schedules "B1" to "B27" on the date of the later planning application.
- (7) Interest for the purposes of subsections 5 (5) and 5 (6) shall be calculated as per the County's Development Charge Interest Rate Policy.

6. LOCAL SERVICE INSTALLATION

- (1) Nothing in this by-law prevents Council from requiring, as a condition of an agreement under section 51 or 53 of the *Planning Act* that the Owner, at his or her own expense, shall install or pay for such Local Services, within the Plan of Subdivision or within the area to which the plan relates, as Council may require.

7. MULTIPLE CHARGES

- (1) Where two or more of the actions described in subsection 5 (1) are required before land to which a Development Charge applies can be developed, only one Development Charge shall be calculated and collected in accordance with the provisions of this by-law, as prescribed in section 5.
- (2) Notwithstanding subsection 7 (1), if two or more of the actions described in subsection 5 (1) occur at different times, and if the subsequent action has the effect of a net increase in the number of Residential Dwelling Units and/or a net increase in the amount of Non-Residential Gross Floor Area, additional

Development Charges shall be calculated and collected in accordance with the provisions of this by-law.

8. SERVICES IN LIEU

- (1) Council may authorize an Owner, through an agreement under section 38 of the Act, to substitute such part of the Development Charge applicable to the Owner's Development as may be specified in the agreement, by the provision at the sole expense of the Owner, of services in lieu. Such agreement shall further specify that where the Owner provides services in lieu in accordance with the agreement, Council shall give to the Owner a credit against the Development Charge in accordance with the agreement provisions and the provisions of section 39 of the Act, equal to the reasonable cost to the Owner of providing the services in lieu. In no case shall the agreement provide for a credit which exceeds the total Development Charge payable by an Owner to the County in respect of the Development to which the agreement relates.
- (2) In any agreement under subsection 8 (1), Council may also give a further credit to the Owner equal to the reasonable cost of providing services in addition to, or of a greater size or capacity, than would be required under this by-law.
- (3) The credit provided for in subsection 8 (2) shall not be charged to any Development Charge reserve fund.

9. FRONT-ENDING AGREEMENTS

- (1) Council may authorize a front-ending agreement in accordance with the provisions of Part III of the Act, upon such terms as Council may require, in respect of the Development of land.

10. DEMOLITION AND CONVERSION CREDITS FOR REDEVELOPMENT OF LAND

- (1) If a Development involves the demolition of and replacement of all or part of a Building or structure, or the conversion from one principal use to another, a credit shall be allowed, provided that the land was improved by occupied structures, or structures capable of being occupied without structural improvement, within the five years prior to the issuance of the building permit, and the building permit has been issued for the development within five years from the date the demolition permit has been issued; and;
- (2) Subject to subsection 10 (3), the credit shall be calculated:
 - (a) in the case of the demolition or conversion of a Building, or a part of a Building, used for a Residential purpose, by multiplying the number and type of Dwelling Units demolished or converted by the relevant Development Charge in effect under this by-law on the date when the

Development Charge with respect to the redevelopment is payable pursuant to this by-law; or

- (b) in the case of the demolition or conversion of a Building, or part of a Building, used for a Non-Residential purpose, by multiplying the Non-Residential Total Floor Area demolished or converted, by the relevant Development Charge in effect under this by-law on the date when the Development Charge with respect to the redevelopment is payable pursuant to this by-law.
- (3) A credit can, in no case, exceed the amount of the development charge that would otherwise be payable. No credit is available if the use for which the demolished/converted buildings or structures was last lawfully occupied is exempt under this by-law.
- (4) Notwithstanding subsection 10 (1) above, where the Building cannot be demolished until the new Building has been erected, the Owner shall notify the County in writing and pay the applicable Development Charge for the new Building in full and, if the existing Building is demolished not later than twelve (12) months from the date a building permit is issued for the new Building, the County shall provide a refund calculated in accordance with this section to the Owner without interest. If more than twelve (12) months is required to demolish the existing Building, the Owner may make a written request to the County, and the County's Treasurer or designate, in his or her sole and absolute discretion and upon such terms and conditions as he or she considers necessary or appropriate, may extend the time in which the existing Building must be demolished, and such decision shall be made prior to the issuance of the first building permit for the new Building.

11. RESERVE FUNDS

- (1) Monies received from payment of Development Charges under this by-law shall be maintained in a separate reserve fund for each Service category set out in Schedule "A".
- (2) Monies received for the payment of Development Charges shall be used only in accordance with the provisions of section 35 of the Act.
- (3) Council directs the County Treasurer to divide the reserve fund created hereunder into separate accounts in accordance with the Service categories set out in Schedule "A" to which the Development Charge payments, together interest earned thereon, shall be credited.
- (4) Where any Development Charge, or part thereof, remains unpaid after the due date, the amount unpaid shall be added to the tax roll for the property on which the Development occurred and shall be collected as taxes.

- (5) Where any unpaid Development Charges are collected as taxes under subsection 13 (4), the monies so collected shall be credited to the development charge reserve funds referred to in subsection 13 (1).
- (6) The County Treasurer shall in each year commencing in 2025 for the 2024 year, furnish to Council a statement in respect of the reserve funds established hereunder for the prior year, containing the information set out in section 12 of O. Reg. 82/98.

12. BY-LAW AMENDMENT OR APPEAL

- (1) Where this by-law or any Development Charge prescribed thereunder is amended or repealed either by order of the Ontario Land Tribunal (OLT) or by resolution of Council, the County Treasurer shall calculate forthwith the amount of any overpayment to be refunded as a result of said amendment or repeal.
- (2) Refunds that are required to be paid under subsection 12 (1) shall be paid with interest to be calculated as follows:
 - (a) Interest shall be calculated from the date on which the overpayment was collected to the date on which the refund is paid;
 - (b) The Bank of Canada interest rate in effect on the date of enactment of this by-law shall be used.
- (3) Refunds that are required to be paid under subsection 12 (1) shall include the interest owed under this section.

13. BY-LAW INDEXING

- (1) The Development Charges set out in Schedules "B1" to "B27" to this by-law shall be adjusted annually as of June 13, without amendment to this by-law, in accordance with the most recent twelve month change in the Statistics Canada Quarterly, "Construction Price Statistics".

14. SEVERABILITY

- (1) In the event any provision, or part thereof, of this by-law is found by a court of competent jurisdiction to be void, voidable, unenforceable or 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.

15. BY-LAW ADMINISTRATION

- (1) This by-law shall be administered by the County Treasurer.

16. SCHEDULES TO THE BY-LAW

(1) The following Schedules to this by-law form an integral part of this by-law:

Schedule A – Schedule of Municipal Services

Schedule B1 – Schedule of Development Charges – Services Related to a Highway

Schedule B2 – Schedule of Development Charges – Waste Diversion Services

Schedule B3 – Schedule of Development Charges – Ambulance Services

Schedule B4 – Schedule of Development Charges – Long-term Care Facilities

Schedule B5 – Schedule of Development Charges – Library Services

Schedule B6 – Schedule of Development Charges – Woodstock Water Services

Schedule B7 – Schedule of Development Charges – Woodstock Wastewater Services

Schedule B8 – Schedule of Development Charges – Tillsonburg Water Services

Schedule B9 – Schedule of Development Charges – Tillsonburg Wastewater Services

Schedule B10 – Schedule of Development Charges – Ingersoll Water Services

Schedule B11 – Schedule of Development Charges – Ingersoll Wastewater Services

Schedule B12 – Schedule of Development Charges – Plattsville Water Services

Schedule B13 – Schedule of Development Charges – Plattsville Wastewater Services

Schedule B14 – Schedule of Development Charges – Drumbo Water Services

Schedule B15 – Schedule of Development Charges – Drumbo Wastewater Services

Schedule B16 – Schedule of Development Charges – Tavistock Water Services

Schedule B17 – Schedule of Development Charges – Tavistock Wastewater Services

Schedule B18 – Schedule of Development Charges – Innerkip Water Services

Schedule B19 – Schedule of Development Charges – Innerkip Wastewater Services

Schedule B20 – Schedule of Development Charges – Norwich Water Services

Schedule B21 – Schedule of Development Charges – Norwich Wastewater Services

Schedule B22 – Schedule of Development Charges – Thamesford Water Services

Schedule B23 – Schedule of Development Charges – Thamesford Wastewater Services

Schedule B24 – Schedule of Development Charges – Embro Water Services

Schedule B25 – Schedule of Development Charges – Embro Wastewater Services

Schedule B26 – Schedule of Development Charges – Mount Elgin Water Services

Schedule B27 – Schedule of Development Charges – Mount Elgin Wastewater Services

Schedule C1 – Schedule of Lands on which the charges in Schedules “B6” and “B7” are imposed

Schedule C2 – Schedule of Lands on which the charges in Schedules “B8” and “B9” are imposed

Schedule C3 – Schedule of Lands on which the charges in Schedules “B10” and “B11” are imposed

Schedule C4 – Schedule of Lands on which the charges in Schedules “B12” and “B13” are imposed

Schedule C5 – Schedule of Lands on which the charges in Schedules “B14” and “B15” are imposed

Schedule C6 – Schedule of Lands on which the charges in Schedules “B16” and “B17” are imposed

Schedule C7 – Schedule of Lands on which the charges in Schedules “B18” and “B19” are imposed

Schedule C8 – Schedule of Lands on which the charges in Schedules “B20” and “B21” are imposed

Schedule C9 – Schedule of Lands on which the charges in Schedules “B22” and “B23” are imposed

Schedule C10 – Schedule of Lands on which the charges in Schedules “B24” and “B25” are imposed

Schedule C11 – Schedule of Lands on which the charges in Schedules “B26” and “B27” are imposed

Schedule D – Schedule of Lands exempt from the Development Charge By-law XXXX-2024

- (2) Any or all Schedules may be amended, revised and/or replaced from time to time during the term of the by-law as set out in accordance with the provisions of the *Development Charges Act, 1997*, S.O. 1997, c.27 as may be amended and/or replaced from time to time.
- (3) Schedules “C1” to C11” of this by-law may be updated from time to time to reflect changes to the municipal corporate boundaries or designated settlement boundaries without requiring an amendment to this by-law.

17. DATE BY-LAW EFFECTIVE

- (1) This by-law shall come into force and effect on June 13, 2024.

18. EXISTING BY-LAW REPEAL

- (1) By-law 6121-2019 as amended by By-law 6323-2021 is repealed on the date this by-law comes into effect.
- (2) By-law 6122-2019 as amended by By-law 6324-2021 is repealed on the date this by-law comes into effect.
- (3) By-law 6123-2019 as amended by By-law 6325-2021 is repealed on the date this by-law comes into effect.
- (4) By-law 6124-2019 as amended by By-law 6326-2021 is repealed on the date this by-law comes into effect.
- (5) By-law 6128-2019 as amended by By-law 6330-2021 is repealed on the date this by-law comes into effect.

- (6) By-law 6129-2019 as amended by By-law 6331-2021 is repealed on the date this by-law comes into effect.
- (7) By-law 6125-2019 as amended by By-law 6327-2021 is repealed on the date this by-law comes into effect.
- (8) By-law 6126-2019 as amended by By-law 6328-2021 is repealed on the date this by-law comes into effect.
- (9) By-law 6127-2019 as amended by By-law 6329-2021 is repealed on the date this by-law comes into effect.
- (10) By-law 6130-2019 as amended by By-law 6332-2021 is repealed on the date this by-law comes into effect.

19. **SHORT TITLE**

- (1) This by-law may be cited as the “2024 County of Oxford Development Charge By-law”.

READ a first and second time this 12th day of June, 2024.

READ a third time and finally passed in Open Council this 12th day of June, 2024.

WARDEN

CLERK

SCHEDULE "A"
TO BY-LAW NO. XXXX-2024

DESIGNATED MUNICIPAL SERVICES UNDER THIS BY-LAW

- (1) Services Related to a Highway
- (2) Ambulance Services
- (3) Long-Term Care Facilities
- (4) Waste Diversion Services
- (5) Library Services
- (6) Woodstock Water Services;
- (7) Woodstock Wastewater Services;
- (8) Tillsonburg Water Services
- (9) Tillsonburg Wastewater Services
- (10) Ingersoll Water Services
- (11) Ingersoll Wastewater Services
- (12) Plattsville Water Services
- (13) Plattsville Wastewater Services
- (14) Drumbo Water Services
- (15) Drumbo Wastewater Services
- (16) Tavistock Water Services
- (17) Tavistock Wastewater Services
- (18) Innerkip Water Services
- (19) Innerkip Wastewater Services
- (20) Norwich Water Services
- (21) Norwich Wastewater Services
- (22) Thamesford Water Services

- (23) Thamesford Wastewater Services
- (24) Embro Water Services
- (25) Embro Wastewater Services
- (26) Mount Elgin Water Services
- (27) Mount Elgin Wastewater Services

SCHEDULE "B1"
TO BY-LAW NO. XXXX-2024

SCHEDULE OF DEVELOPMENT CHARGES – SERVICES RELATED TO A HIGHWAY

Service	RESIDENTIAL				NON-RESIDENTIAL		
	Single and Semi-Detached Dwelling	Other Multiples	Apartments - 2 Bedrooms +	Apartments - Bachelor and 1 Bedroom	(per sq.m. of Gross Floor Area)	(per bed for Farm Bunk Houses)	(per Wind Turbine)
Services Related to a Highway	4,258	3,015	2,425	1,539	15.42	1,365	4,258

**SCHEDULE “B2”
TO BY-LAW NO. XXXX-2024**

SCHEDULE OF DEVELOPMENT CHARGES – WASTE DIVERSION SERVICES

Service	RESIDENTIAL				NON-RESIDENTIAL		
	Single and Semi-Detached Dwelling	Other Multiples	Apartments - 2 Bedrooms +	Apartments - Bachelor and 1 Bedroom	(per sq.m. of Gross Floor Area)	(per bed for Farm Bunk Houses)	(per Wind Turbine)
Waste Diversion Services	139	98	79	50	-	-	-

SCHEDULE "B3"
TO BY-LAW NO. XXXX-2024

SCHEDULE OF DEVELOPMENT CHARGES – AMBULANCE SERVICES

Service	RESIDENTIAL				NON-RESIDENTIAL		
	Single and Semi-Detached Dwelling	Other Multiples	Apartments - 2 Bedrooms +	Apartments - Bachelor and 1 Bedroom	(per sq.m. of Gross Floor Area)	(per bed for Farm Bunk Houses)	(per Wind Turbine)
Ambulance Services	48	34	27	17	0.17	15	48

**SCHEDULE “B4”
TO BY-LAW NO. XXXX-2024**

SCHEDULE OF DEVELOPMENT CHARGES – LONG-TERM CARE FACILITIES

Service	RESIDENTIAL				NON-RESIDENTIAL		
	Single and Semi-Detached Dwelling	Other Multiples	Apartments - 2 Bedrooms +	Apartments - Bachelor and 1 Bedroom	(per sq.m. of Gross Floor Area)	(per bed for Farm Bunk Houses)	(per Wind Turbine)
Long-term Care Facilities	1,857	1,314	1,057	671	-	-	-

**SCHEDULE “B5”
TO BY-LAW NO. XXXX-2024**

SCHEDULE OF DEVELOPMENT CHARGES – LIBRARY SERVICES

Service	RESIDENTIAL				NON-RESIDENTIAL		
	Single and Semi-Detached Dwelling	Other Multiples	Apartments - 2 Bedrooms +	Apartments - Bachelor and 1 Bedroom	(per sq.m. of Gross Floor Area)	(per bed for Farm Bunk Houses)	(per Wind Turbine)
Library Services ¹	1,535	1,087	874	555	0.85	492	-

1. The charge for library service is not applicable in Woodstock

SCHEDULE "B6"
TO BY-LAW NO. XXXX-2024

SCHEDULE OF DEVELOPMENT CHARGES – WOODSTOCK WATER SERVICES

Service	RESIDENTIAL				NON-RESIDENTIAL		
	Single and Semi-Detached Dwelling	Other Multiples	Apartments - 2 Bedrooms +	Apartments - Bachelor and 1 Bedroom	(per sq.m. of Gross Floor Area)	(per bed for Farm Bunk Houses)	(per Wind Turbine)
Water	3,322	2,183	1,724	1,095	17.82	1,065	-

SCHEDULE "B7"
TO BY-LAW NO. XXXX-2024

SCHEDULE OF DEVELOPMENT CHARGES – WOODSTOCK WASTEWATER SERVICES

Service	RESIDENTIAL				NON-RESIDENTIAL		
	Single and Semi-Detached Dwelling	Other Multiples	Apartments - 2 Bedrooms +	Apartments - Bachelor and 1 Bedroom	(per sq.m. of Gross Floor Area)	(per bed for Farm Bunk Houses)	(per Wind Turbine)
Wastewater	3,497	2,298	1,815	1,152	19.03	1,121	-

**SCHEDULE "B8"
TO BY-LAW NO. XXXX-2024**

SCHEDULE OF DEVELOPMENT CHARGES – TILLSONBURG WATER SERVICES

Service	RESIDENTIAL				NON-RESIDENTIAL		
	Single and Semi-Detached Dwelling	Other Multiples	Apartments - 2 Bedrooms +	Apartments - Bachelor and 1 Bedroom	(per sq.m. of Gross Floor Area)	(per bed for Farm Bunk Houses)	(per Wind Turbine)
Water	6,377	5,083	4,072	2,586	42.30	2,044	-

**SCHEDULE "B9"
TO BY-LAW NO. XXXX-2024**

SCHEDULE OF DEVELOPMENT CHARGES – TILLSONBURG WASTEWATER SERVICES

Service	RESIDENTIAL				NON-RESIDENTIAL		
	Single and Semi-Detached Dwelling	Other Multiples	Apartments - 2 Bedrooms +	Apartments - Bachelor and 1 Bedroom	(per sq.m. of Gross Floor Area)	(per bed for Farm Bunk Houses)	(per Wind Turbine)
Wastewater	1,273	1,015	813	516	7.23	408	-

**SCHEDULE “B10”
TO BY-LAW NO. XXXX-2024**

SCHEDULE OF DEVELOPMENT CHARGES – INGERSOLL WATER SERVICES

Service	RESIDENTIAL				NON-RESIDENTIAL		
	Single and Semi-Detached Dwelling	Other Multiples	Apartments - 2 Bedrooms +	Apartments - Bachelor and 1 Bedroom	(per sq.m. of Gross Floor Area)	(per bed for Farm Bunk Houses)	(per Wind Turbine)
Water	5,777	4,327	3,466	2,201	13.47	1,852	-

**SCHEDULE “B11”
TO BY-LAW NO. XXXX-2024**

SCHEDULE OF DEVELOPMENT CHARGES – INGERSOLL WASTEWATER SERVICES

Service	RESIDENTIAL				NON-RESIDENTIAL		
	Single and Semi-Detached Dwelling	Other Multiples	Apartments - 2 Bedrooms +	Apartments - Bachelor and 1 Bedroom	(per sq.m. of Gross Floor Area)	(per bed for Farm Bunk Houses)	(per Wind Turbine)
Wastewater	8,908	6,673	5,345	3,394	31.64	2,855	-

SCHEDULE "B12"
TO BY-LAW NO. XXXX-2024

SCHEDULE OF DEVELOPMENT CHARGES – PLATTSVILLE WATER SERVICES

Service	RESIDENTIAL				NON-RESIDENTIAL		
	Single and Semi-Detached Dwelling	Other Multiples	Apartments - 2 Bedrooms +	Apartments - Bachelor and 1 Bedroom	(per sq.m. of Gross Floor Area)	(per bed for Farm Bunk Houses)	(per Wind Turbine)
Water	5,102	3,524	2,823	1,793	24.45	1,635	-

**SCHEDULE “B13”
TO BY-LAW NO. XXXX-2024**

SCHEDULE OF DEVELOPMENT CHARGES – PLATTSVILLE WASTEWATER SERVICES

Service	RESIDENTIAL				NON-RESIDENTIAL		
	Single and Semi-Detached Dwelling	Other Multiples	Apartments - 2 Bedrooms +	Apartments - Bachelor and 1 Bedroom	(per sq.m. of Gross Floor Area)	(per bed for Farm Bunk Houses)	(per Wind Turbine)
Wastewater	6,671	4,608	3,691	2,344	10.66	2,138	-

**SCHEDULE “B14”
TO BY-LAW NO. XXXX-2024**

SCHEDULE OF DEVELOPMENT CHARGES – DRUMBO WATER SERVICES

Service	RESIDENTIAL				NON-RESIDENTIAL		
	Single and Semi-Detached Dwelling	Other Multiples	Apartments - 2 Bedrooms +	Apartments - Bachelor and 1 Bedroom	(per sq.m. of Gross Floor Area)	(per bed for Farm Bunk Houses)	(per Wind Turbine)
Water	2,372	1,638	1,312	833	4.90	760	-

**SCHEDULE “B15”
TO BY-LAW NO. XXXX-2024**

SCHEDULE OF DEVELOPMENT CHARGES – DRUMBO WASTEWATER SERVICES

Service	RESIDENTIAL				NON-RESIDENTIAL		
	Single and Semi-Detached Dwelling	Other Multiples	Apartments - 2 Bedrooms +	Apartments - Bachelor and 1 Bedroom	(per sq.m. of Gross Floor Area)	(per bed for Farm Bunk Houses)	(per Wind Turbine)
Wastewater	30,915	21,353	17,104	10,862	97.59	9,909	-

**SCHEDULE “B16”
TO BY-LAW NO. XXXX-2024**

SCHEDULE OF DEVELOPMENT CHARGES – TAVISTOCK WATER SERVICES

Service	RESIDENTIAL				NON-RESIDENTIAL		
	Single and Semi-Detached Dwelling	Other Multiples	Apartments - 2 Bedrooms +	Apartments - Bachelor and 1 Bedroom	(per sq.m. of Gross Floor Area)	(per bed for Farm Bunk Houses)	(per Wind Turbine)
Water	7,298	5,200	4,165	2,645	26.17	2,339	-

**SCHEDULE “B17”
TO BY-LAW NO. XXXX-2024**

SCHEDULE OF DEVELOPMENT CHARGES – TAVISTOCK WASTEWATER SERVICES

Service	RESIDENTIAL				NON-RESIDENTIAL		
	Single and Semi-Detached Dwelling	Other Multiples	Apartments - 2 Bedrooms +	Apartments - Bachelor and 1 Bedroom	(per sq.m. of Gross Floor Area)	(per bed for Farm Bunk Houses)	(per Wind Turbine)
Wastewater	32,967	23,490	18,816	11,949	95.23	10,566	-

**SCHEDULE “B18”
TO BY-LAW NO. XXXX-2024**

SCHEDULE OF DEVELOPMENT CHARGES – INNERKIP WATER SERVICES

Service	RESIDENTIAL				NON-RESIDENTIAL		
	Single and Semi-Detached Dwelling	Other Multiples	Apartments - 2 Bedrooms +	Apartments - Bachelor and 1 Bedroom	(per sq.m. of Gross Floor Area)	(per bed for Farm Bunk Houses)	(per Wind Turbine)
Water	111	79	63	40	0.70	36	-

**SCHEDULE “B19”
TO BY-LAW NO. XXXX-2024**

SCHEDULE OF DEVELOPMENT CHARGES – INNERKIP WASTEWATER SERVICES

Service	RESIDENTIAL				NON-RESIDENTIAL		
	Single and Semi-Detached Dwelling	Other Multiples	Apartments - 2 Bedrooms +	Apartments - Bachelor and 1 Bedroom	(per sq.m. of Gross Floor Area)	(per bed for Farm Bunk Houses)	(per Wind Turbine)
Wastewater	16,052	11,437	9,161	5,818	62.84	5,145	-

**SCHEDULE "B20"
TO BY-LAW NO. XXXX-2024**

SCHEDULE OF DEVELOPMENT CHARGES – NORWICH WATER SERVICES

Service	RESIDENTIAL				NON-RESIDENTIAL		
	Single and Semi-Detached Dwelling	Other Multiples	Apartments - 2 Bedrooms +	Apartments - Bachelor and 1 Bedroom	(per sq.m. of Gross Floor Area)	(per bed for Farm Bunk Houses)	(per Wind Turbine)
Water	3,894	2,682	2,148	1,364	11.72	1,248	-

**SCHEDULE “B21”
TO BY-LAW NO. XXXX-2024**

SCHEDULE OF DEVELOPMENT CHARGES – NORWICH WASTEWATER SERVICES

Service	RESIDENTIAL				NON-RESIDENTIAL		
	Single and Semi-Detached Dwelling	Other Multiples	Apartments - 2 Bedrooms +	Apartments - Bachelor and 1 Bedroom	(per sq.m. of Gross Floor Area)	(per bed for Farm Bunk Houses)	(per Wind Turbine)
Wastewater	5,999	4,131	3,309	2,101	37.59	1,923	-

**SCHEDULE "B22"
TO BY-LAW NO. XXXX-2024**

SCHEDULE OF DEVELOPMENT CHARGES – THAMESFORD WATER SERVICES

Service	RESIDENTIAL				NON-RESIDENTIAL		
	Single and Semi-Detached Dwelling	Other Multiples	Apartments - 2 Bedrooms +	Apartments - Bachelor and 1 Bedroom	(per sq.m. of Gross Floor Area)	(per bed for Farm Bunk Houses)	(per Wind Turbine)
Water	3,561	2,621	2,100	1,333	22.79	1,141	-

**SCHEDULE “B23”
TO BY-LAW NO. XXXX-2024**

SCHEDULE OF DEVELOPMENT CHARGES – THAMESFORD WASTEWATER SERVICES

Service	RESIDENTIAL				NON-RESIDENTIAL		
	Single and Semi-Detached Dwelling	Other Multiples	Apartments - 2 Bedrooms +	Apartments - Bachelor and 1 Bedroom	(per sq.m. of Gross Floor Area)	(per bed for Farm Bunk Houses)	(per Wind Turbine)
Wastewater	9,101	6,700	5,366	3,408	26.48	2,917	-

**SCHEDULE “B24”
TO BY-LAW NO. XXXX-2024**

SCHEDULE OF DEVELOPMENT CHARGES – EMBRO WATER SERVICES

Service	RESIDENTIAL				NON-RESIDENTIAL		
	Single and Semi-Detached Dwelling	Other Multiples	Apartments - 2 Bedrooms +	Apartments - Bachelor and 1 Bedroom	(per sq.m. of Gross Floor Area)	(per bed for Farm Bunk Houses)	(per Wind Turbine)
Water	2,673	1,968	1,576	1,001	6.61	857	-

**SCHEDULE “B25”
TO BY-LAW NO. XXXX-2024**

SCHEDULE OF DEVELOPMENT CHARGES – EMBRO WASTEWATER SERVICES

Service	RESIDENTIAL				NON-RESIDENTIAL		
	Single and Semi-Detached Dwelling	Other Multiples	Apartments - 2 Bedrooms +	Apartments - Bachelor and 1 Bedroom	(per sq.m. of Gross Floor Area)	(per bed for Farm Bunk Houses)	(per Wind Turbine)
Wastewater	7,687	5,659	4,533	2,878	8.65	2,464	-

**SCHEDULE “B26”
TO BY-LAW NO. XXXX-2024**

SCHEDULE OF DEVELOPMENT CHARGES – MOUNT ELGIN WATER SERVICES

Service	RESIDENTIAL				NON-RESIDENTIAL		
	Single and Semi-Detached Dwelling	Other Multiples	Apartments - 2 Bedrooms +	Apartments - Bachelor and 1 Bedroom	(per sq.m. of Gross Floor Area)	(per bed for Farm Bunk Houses)	(per Wind Turbine)
Water	3,387	2,015	1,614	1,025	6.96	1,086	-

**SCHEDULE “B27”
TO BY-LAW NO. XXXX-2024**

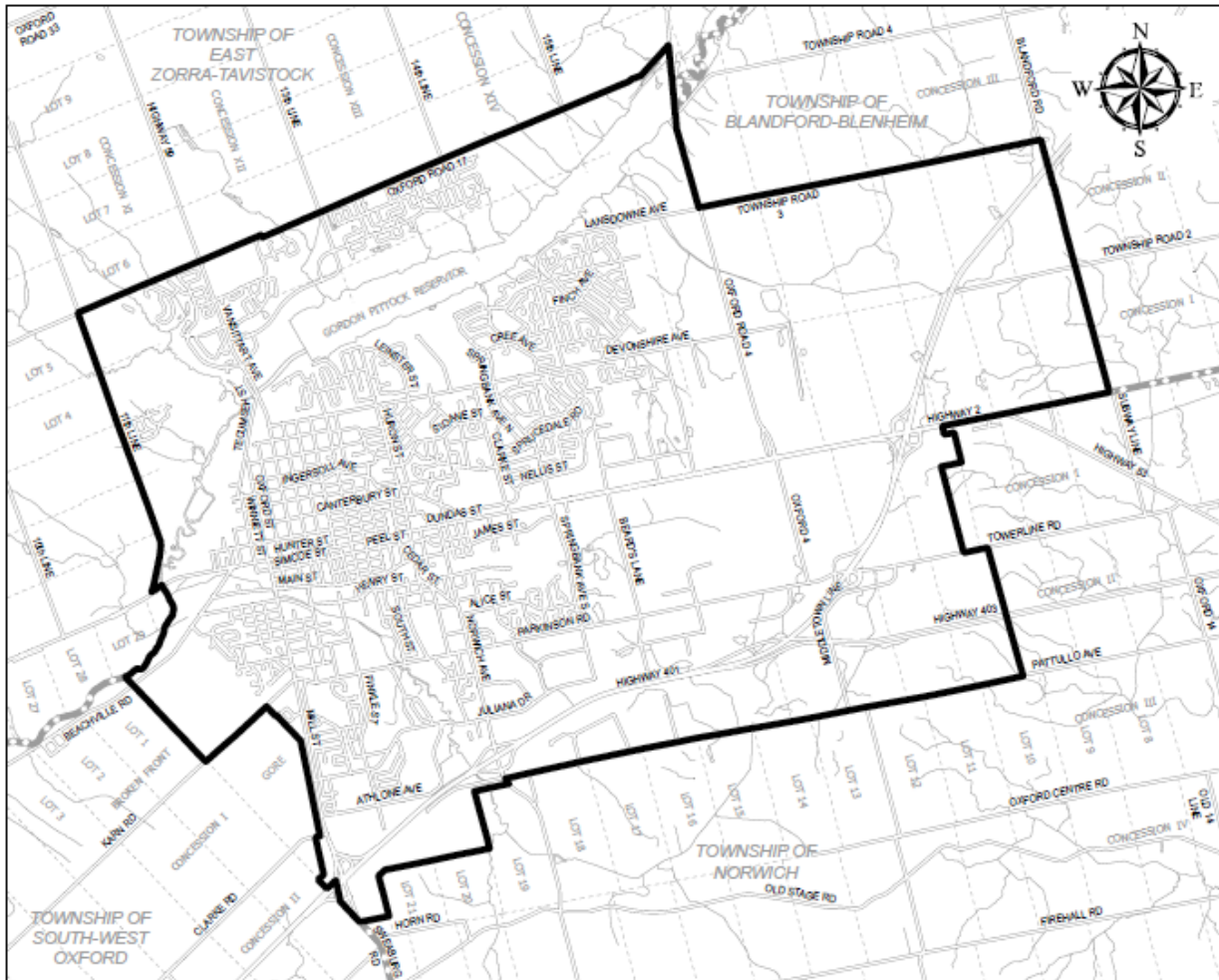
SCHEDULE OF DEVELOPMENT CHARGES – MOUNT ELGIN WASTEWATER SERVICES


Service	RESIDENTIAL				NON-RESIDENTIAL		
	Single and Semi-Detached Dwelling	Other Multiples	Apartments - 2 Bedrooms +	Apartments - Bachelor and 1 Bedroom	(per sq.m. of Gross Floor Area)	(per bed for Farm Bunk Houses)	(per Wind Turbine)
Wastewater	11,676	6,946	5,564	3,533	26.64	3,742	-

**SCHEDULE "C1"
TO BY-LAW NO. XXXX-2024**

**SCHEDULE OF LANDS ON WHICH THE
WOODSTOCK WATER AND WASTEWATER
AREA-SPECIFIC DEVELOPMENT CHARGE IS IMPOSED**

COUNTY OF OXFORD



 LANDS TO WHICH BY-LAW XXXX-2024 APPLIES
FOR THE PURPOSES OF WATER AND WASTEWATER DEVELOPMENT CHARGE


 CORPORATE LIMITS

**SCHEDULE "C2"
TO BY-LAW NO. XXXX-2024**

**SCHEDULE OF LANDS ON WHICH THE
TILLSONBURG WATER AND WASTEWATER
AREA-SPECIFIC DEVELOPMENT CHARGE IS IMPOSED**

COUNTY OF OXFORD



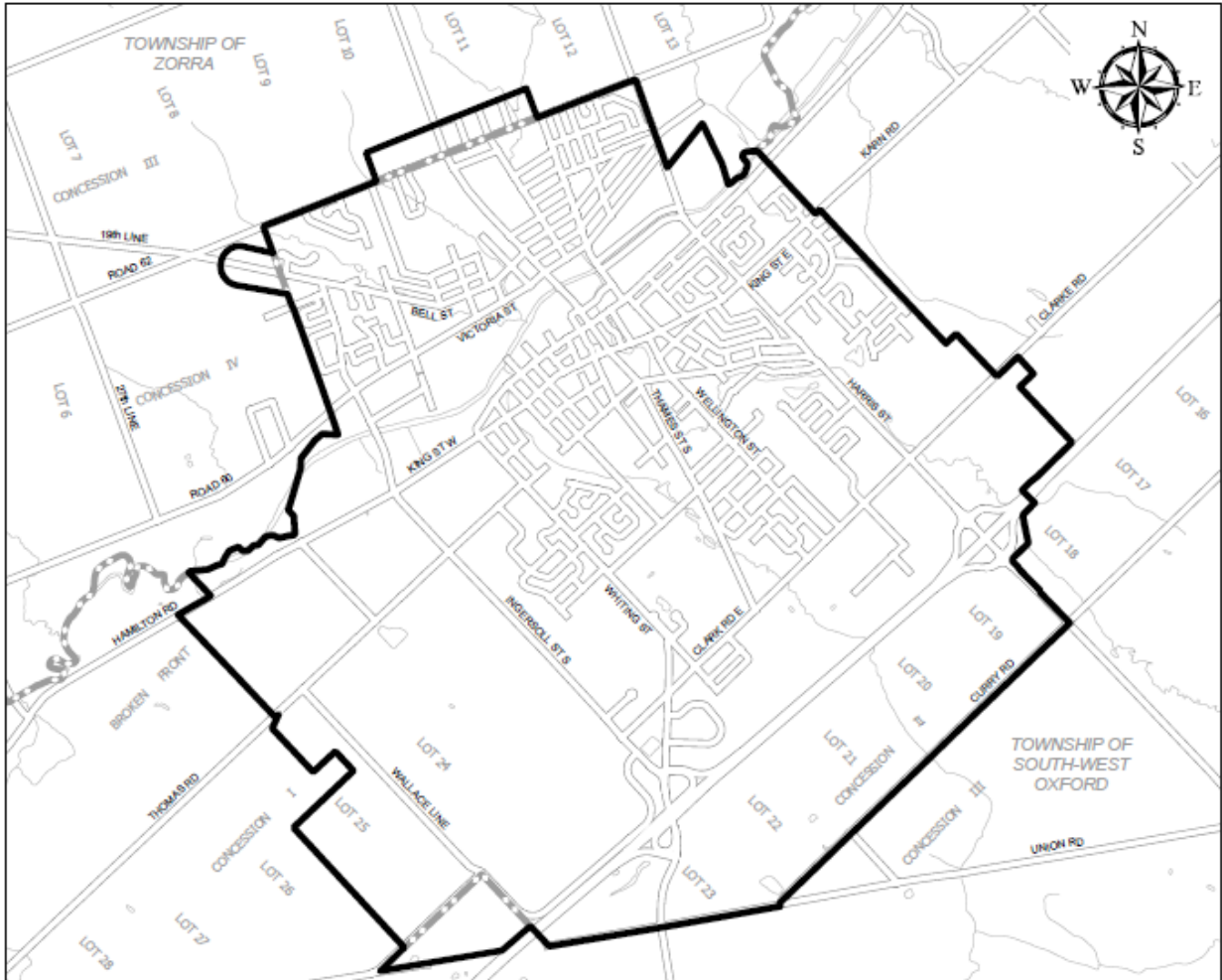
 LANDS TO WHICH BY-LAW XXXX-2024 APPLIES
FOR THE PURPOSES OF WATER AND WASTEWATER DEVELOPMENT CHARGE


 CORPORATE LIMITS


SCHEDULE "C3"
TO BY-LAW NO. XXXX-2024

SCHEDULE OF LANDS ON WHICH THE
INGERSOLL WATER AND WASTEWATER
AREA-SPECIFIC DEVELOPMENT CHARGE IS IMPOSED

COUNTY OF OXFORD



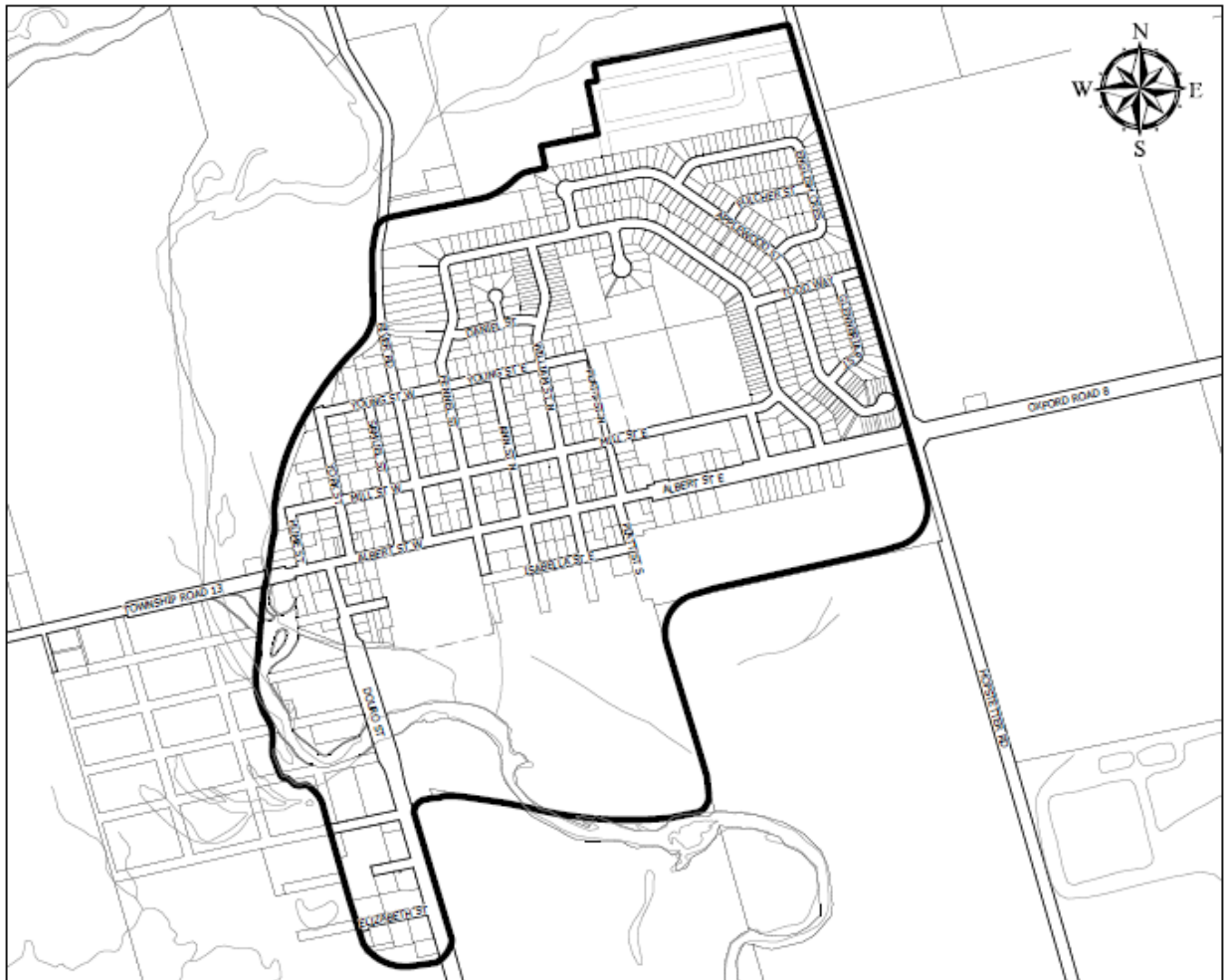
 LANDS TO WHICH BY-LAW XXXX-2024 APPLIES
FOR THE PURPOSES OF WATER AND WASTEWATER DEVELOPMENT CHARGE


 CORPORATE LIMITS

**SCHEDULE "C4"
TO BY-LAW NO. XXXX-2024**

**SCHEDULE OF LANDS ON WHICH THE
PLATTSVILLE WATER AND WASTEWATER
AREA-SPECIFIC DEVELOPMENT CHARGE IS IMPOSED**

COUNTY OF OXFORD

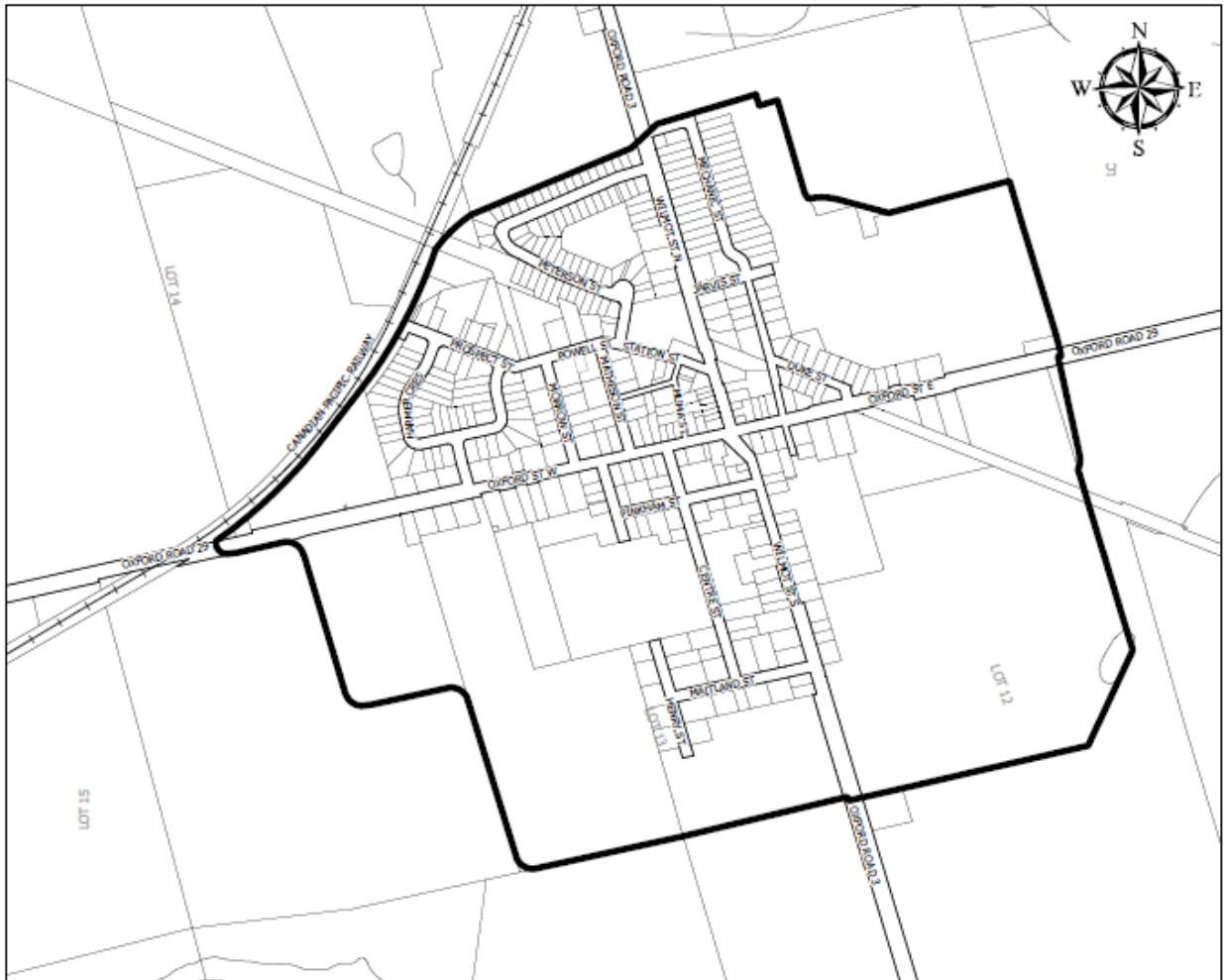



 LANDS TO WHICH BY-LAW XXXX-2024 APPLIES
FOR THE PURPOSES OF WATER AND WASTEWATER DEVELOPMENT CHARGE

**SCHEDULE "C5"
TO BY-LAW NO. XXXX-2024**

**SCHEDULE OF LANDS ON WHICH THE
DRUMBO WATER AND WASTEWATER
AREA-SPECIFIC DEVELOPMENT CHARGE IS IMPOSED**

COUNTY OF OXFORD

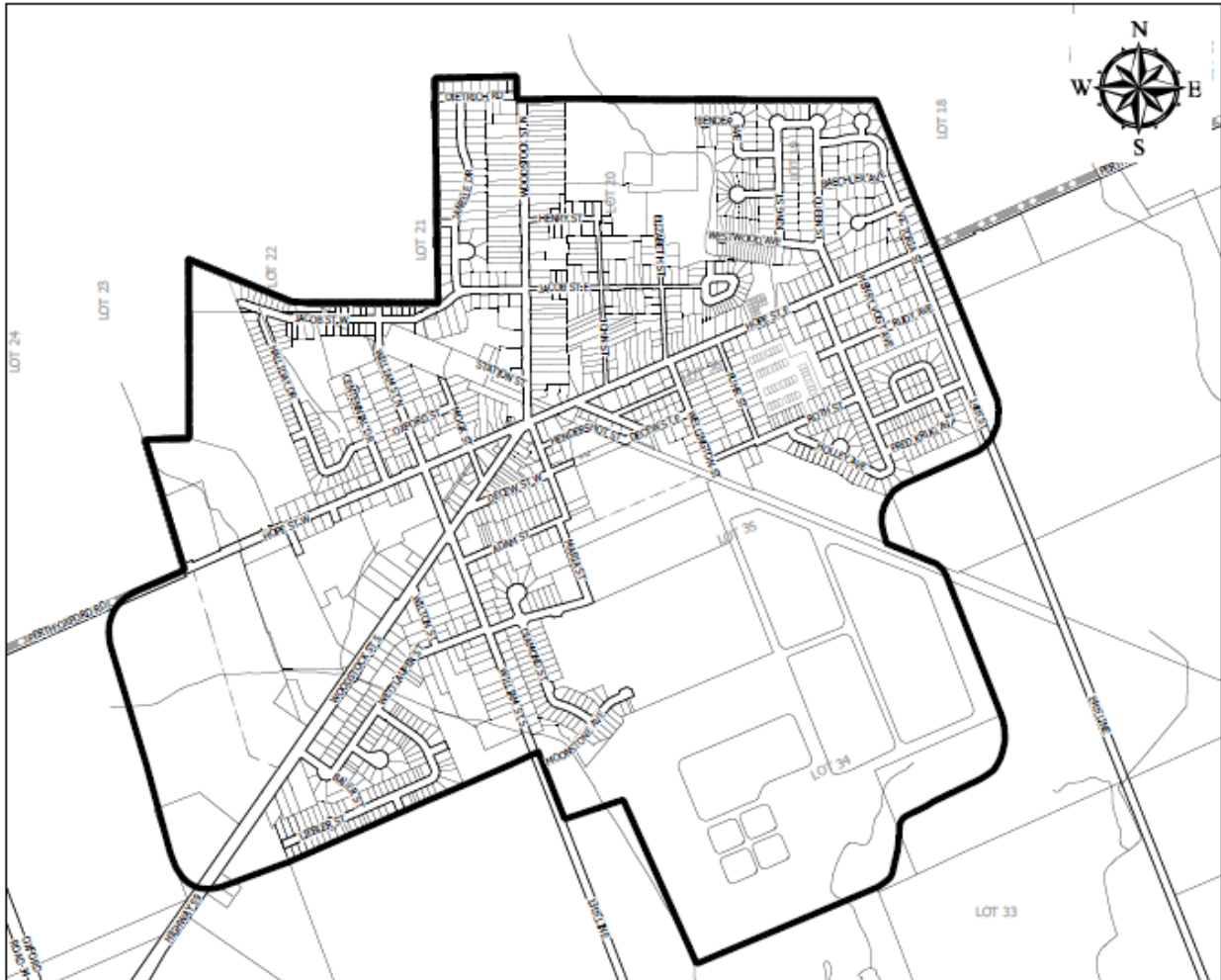



 LANDS TO WHICH BY-LAW XXXX-2024 APPLIES
FOR THE PURPOSES OF WATER AND WASTEWATER DEVELOPMENT CHARGE

**SCHEDULE "C6"
TO BY-LAW NO. XXXX-2024**

**SCHEDULE OF LANDS ON WHICH THE
TAVISTOCK WATER AND WASTEWATER
AREA-SPECIFIC DEVELOPMENT CHARGE IS IMPOSED**

COUNTY OF OXFORD

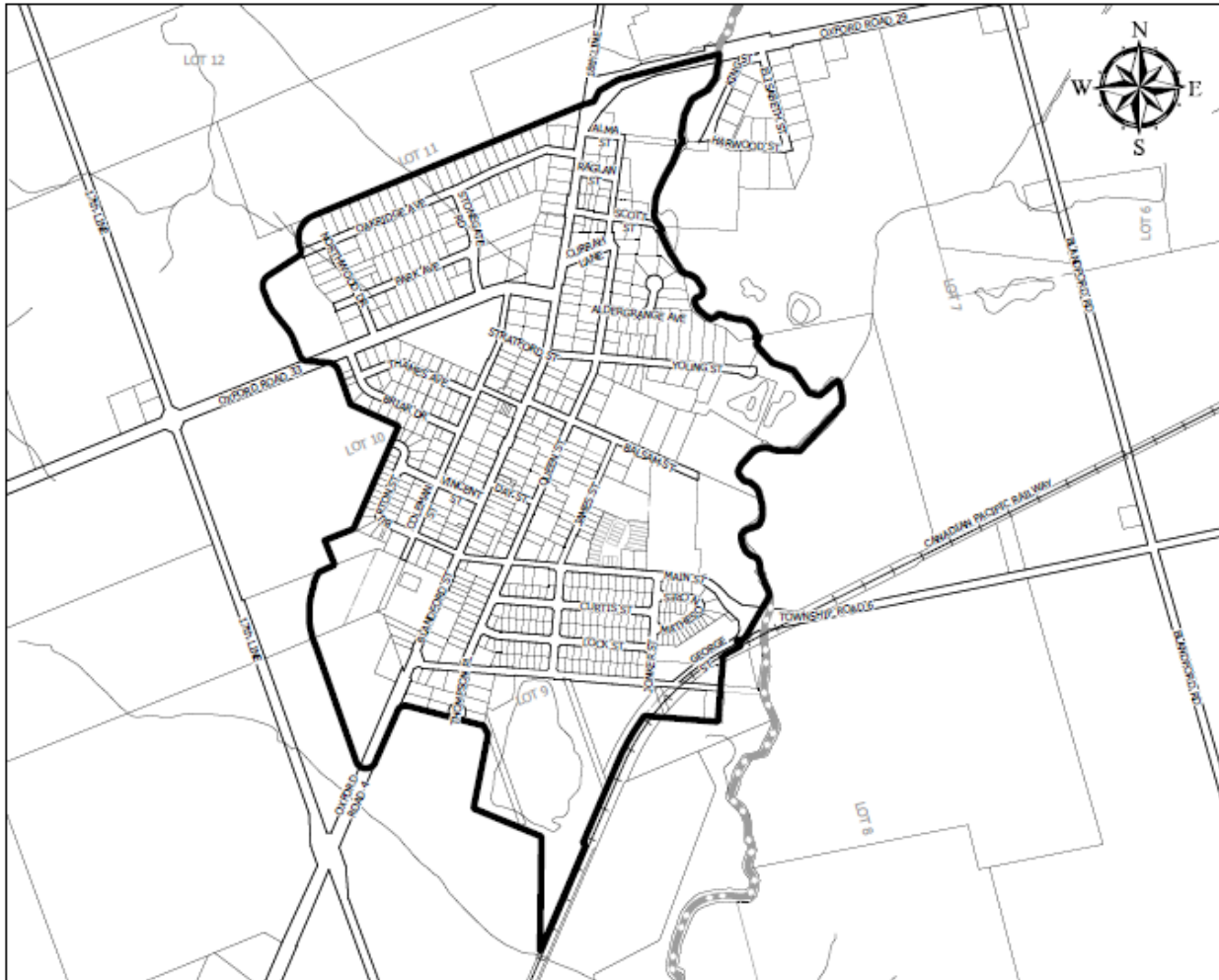



 LANDS TO WHICH BY-LAW XXXX-2024 APPLIES
FOR THE PURPOSES OF WATER AND WASTEWATER DEVELOPMENT CHARGE

**SCHEDULE "C7"
TO BY-LAW NO. XXXX-2024**

**SCHEDULE OF LANDS ON WHICH THE
INNERKIP WATER AND WASTEWATER
AREA-SPECIFIC DEVELOPMENT CHARGE IS IMPOSED**

COUNTY OF OXFORD

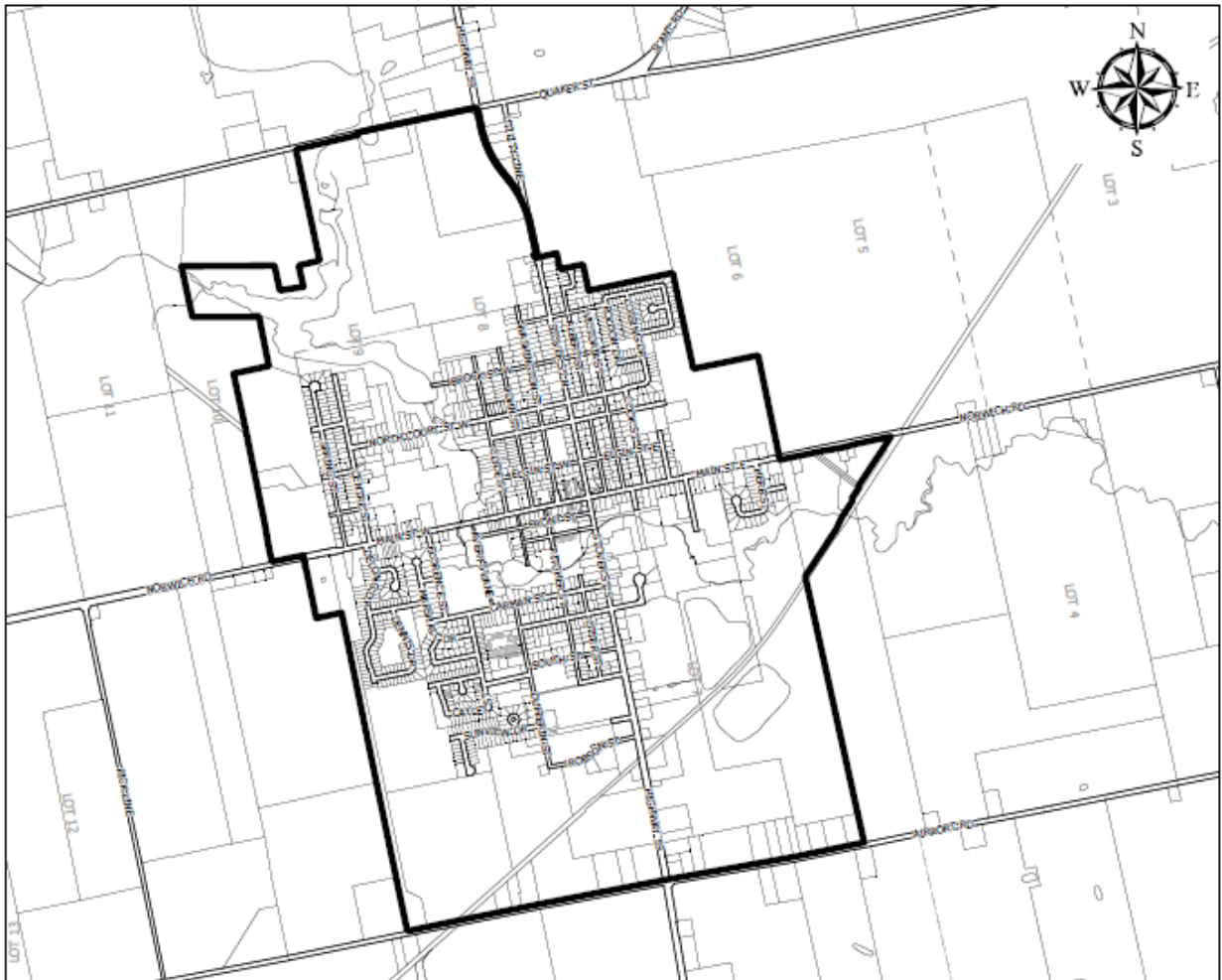



 LANDS TO WHICH BY-LAW XXXX-2024 APPLIES
FOR THE PURPOSES OF WATER AND WASTEWATER DEVELOPMENT CHARGE

**SCHEDULE "C8"
TO BY-LAW NO. XXXX-2024**

**SCHEDULE OF LANDS ON WHICH THE
NORWICH WATER AND WASTEWATER
AREA-SPECIFIC DEVELOPMENT CHARGE IS IMPOSED**

COUNTY OF OXFORD

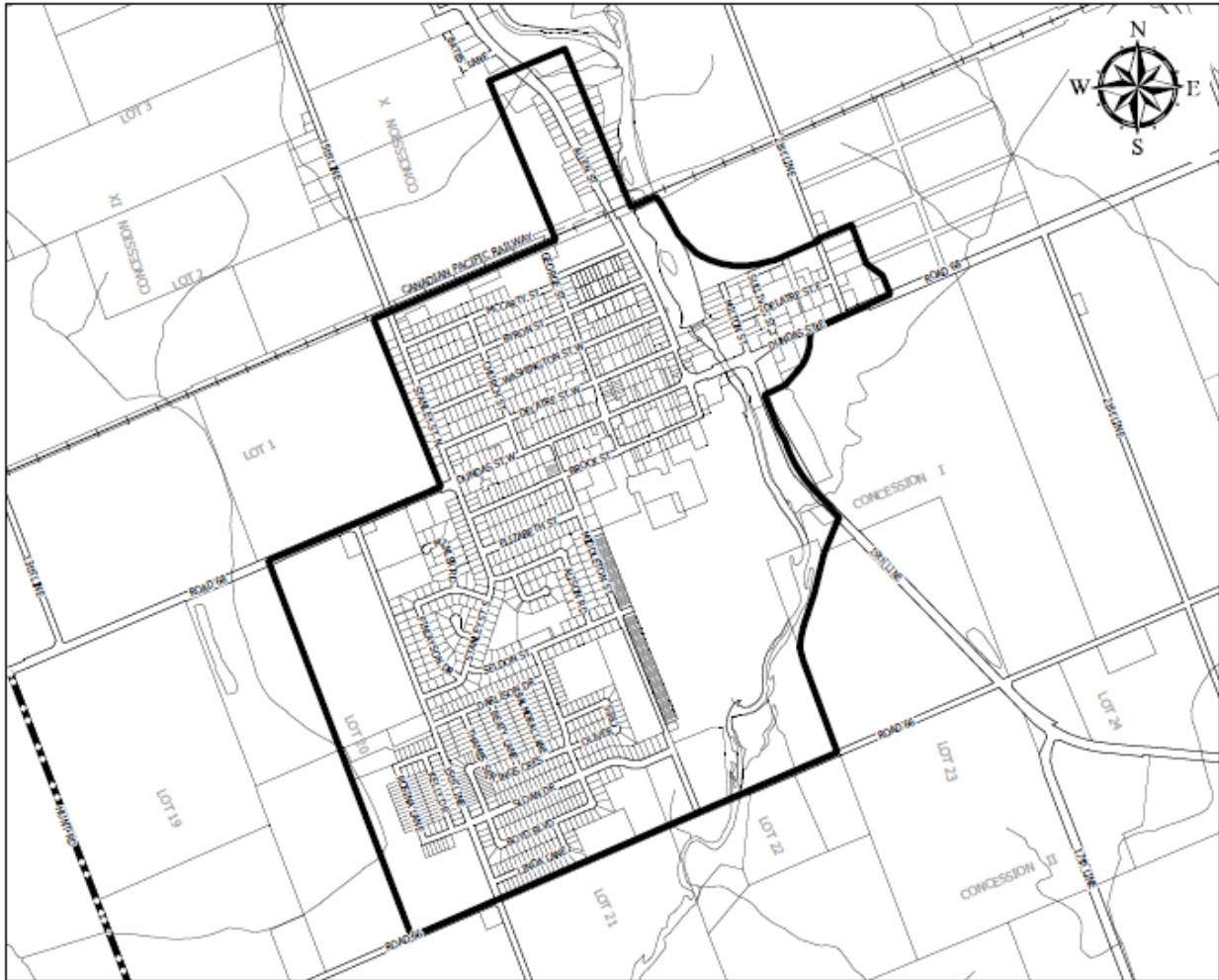



 LANDS TO WHICH BY-LAW XXXX-2024 APPLIES
FOR THE PURPOSES OF WATER AND WASTEWATER DEVELOPMENT CHARGE

**SCHEDULE "C9"
TO BY-LAW NO. XXXX-2024**

**SCHEDULE OF LANDS ON WHICH THE
THAMESFORD WATER AND WASTEWATER
AREA-SPECIFIC DEVELOPMENT CHARGE IS IMPOSED**

COUNTY OF OXFORD

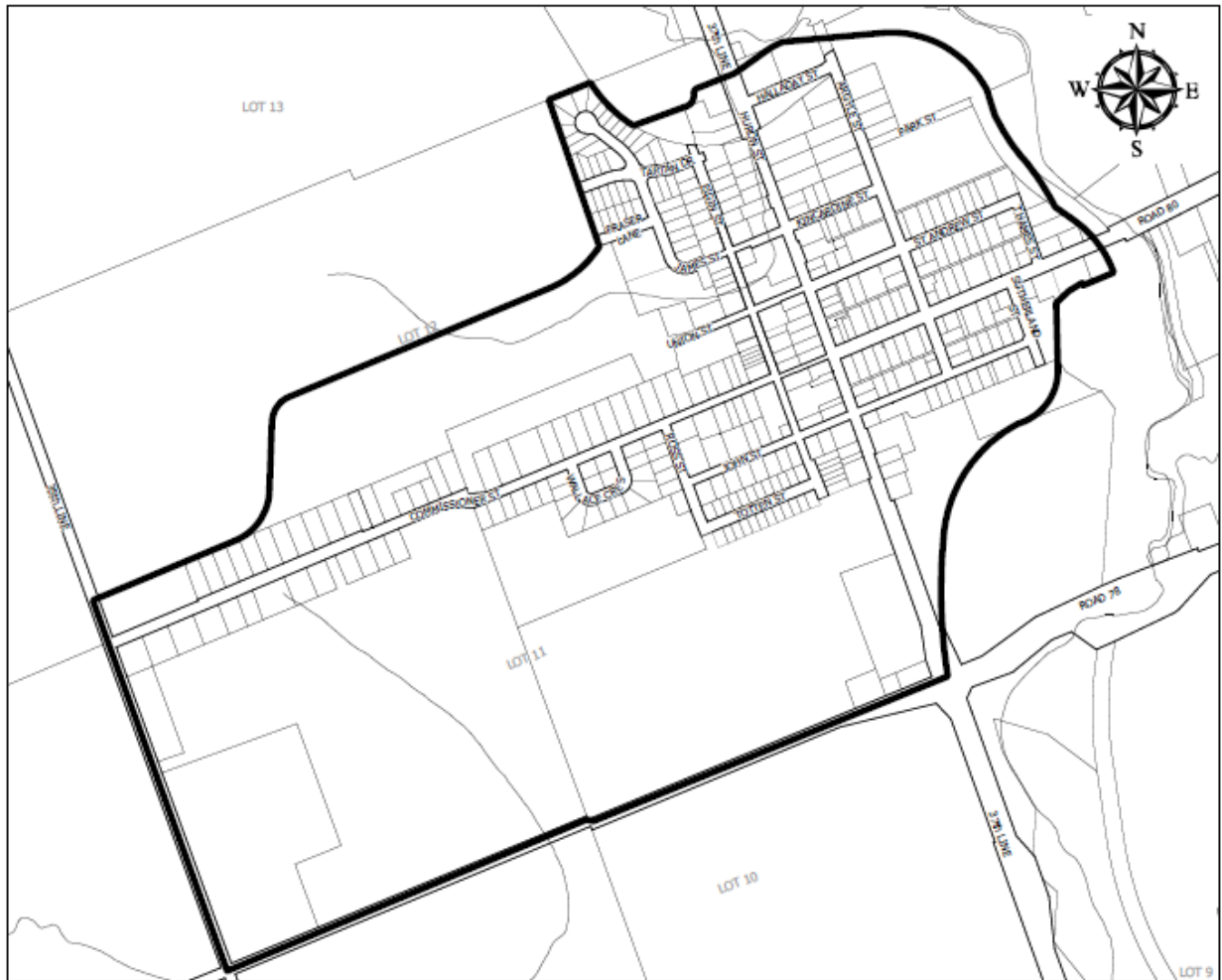



 LANDS TO WHICH BY-LAW XXXX-2024 APPLIES
FOR THE PURPOSES OF WATER AND WASTEWATER DEVELOPMENT CHARGE

**SCHEDULE "C10"
TO BY-LAW NO. XXXX-2024**

**SCHEDULE OF LANDS ON WHICH THE
EMBRO WATER AND WASTEWATER
AREA-SPECIFIC DEVELOPMENT CHARGE IS IMPOSED**

COUNTY OF OXFORD




 LANDS TO WHICH BY-LAW XXXX-2024 APPLIES
FOR THE PURPOSES OF WATER AND WASTEWATER DEVELOPMENT CHARGE

SCHEDULE "C11"
TO BY-LAW NO. XXXX-2024

SCHEDULE OF LANDS ON WHICH THE
MOUNT ELGIN WATER AND WASTEWATER
AREA-SPECIFIC DEVELOPMENT CHARGE IS IMPOSED

COUNTY OF OXFORD

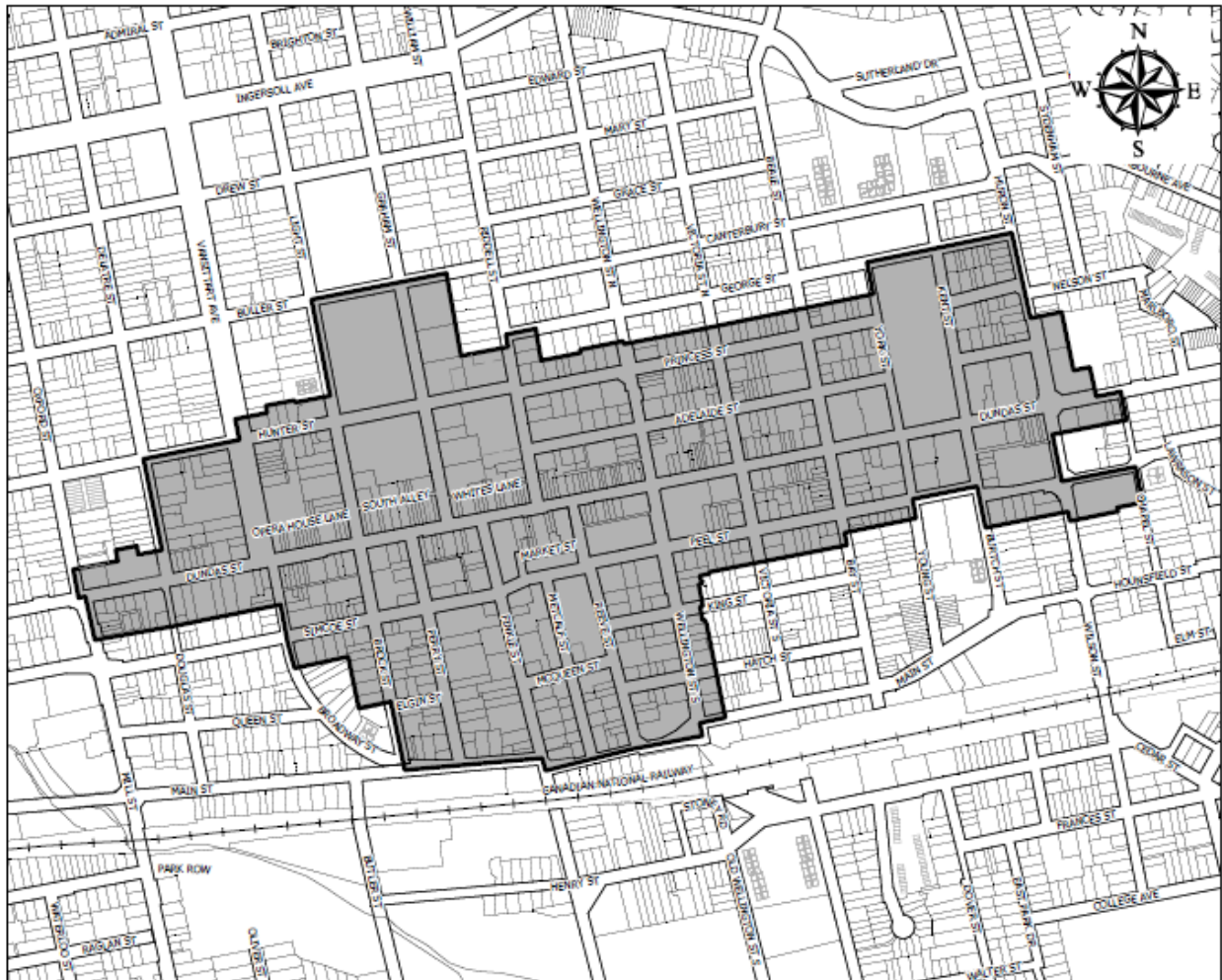



 LANDS TO WHICH BY-LAW XXXX-2024 APPLIES
FOR THE PURPOSES OF WATER AND WASTEWATER DEVELOPMENT CHARGE

**SCHEDULE "D"
TO BY-LAW NO. XXXX-2024**

**SCHEDULE OF LANDS EXEMPT FROM THE
DEVELOPMENT CHARGE BY-LAW**

**COUNTY OF OXFORD – CITY OF WOODSTOCK
CENTRAL BUSINESS DISTRICT**

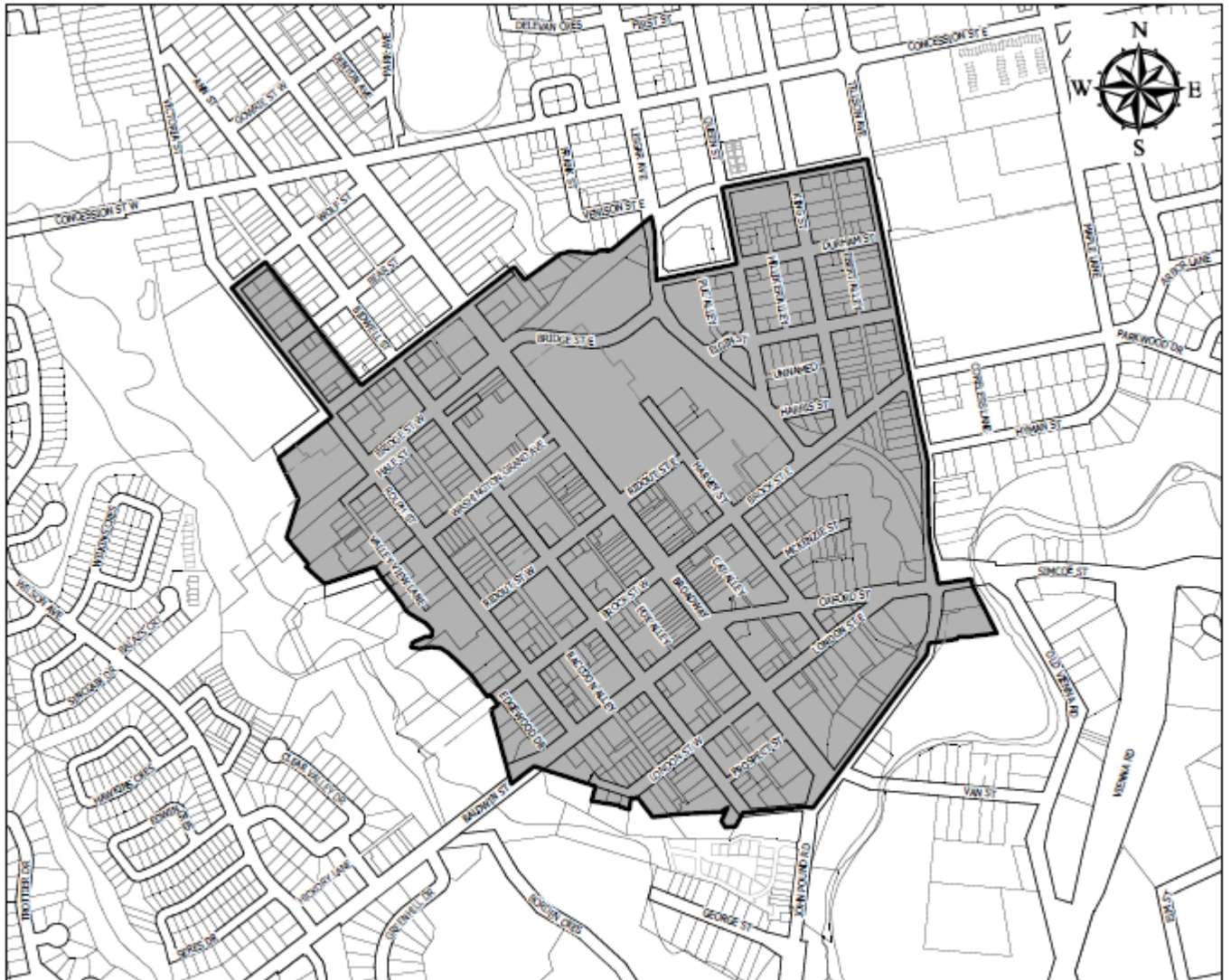



 LANDS TO WHICH BY-LAW XXXX-2024 DOES NOT APPLY

**SCHEDULE "D"
TO BY-LAW NO. XXXX-2024**

**SCHEDULE OF LANDS EXEMPT FROM THE
DEVELOPMENT CHARGE BY-LAW**

**COUNTY OF OXFORD - TOWN OF TILLSONBURG
CENTRAL BUSINESS DISTRICT**

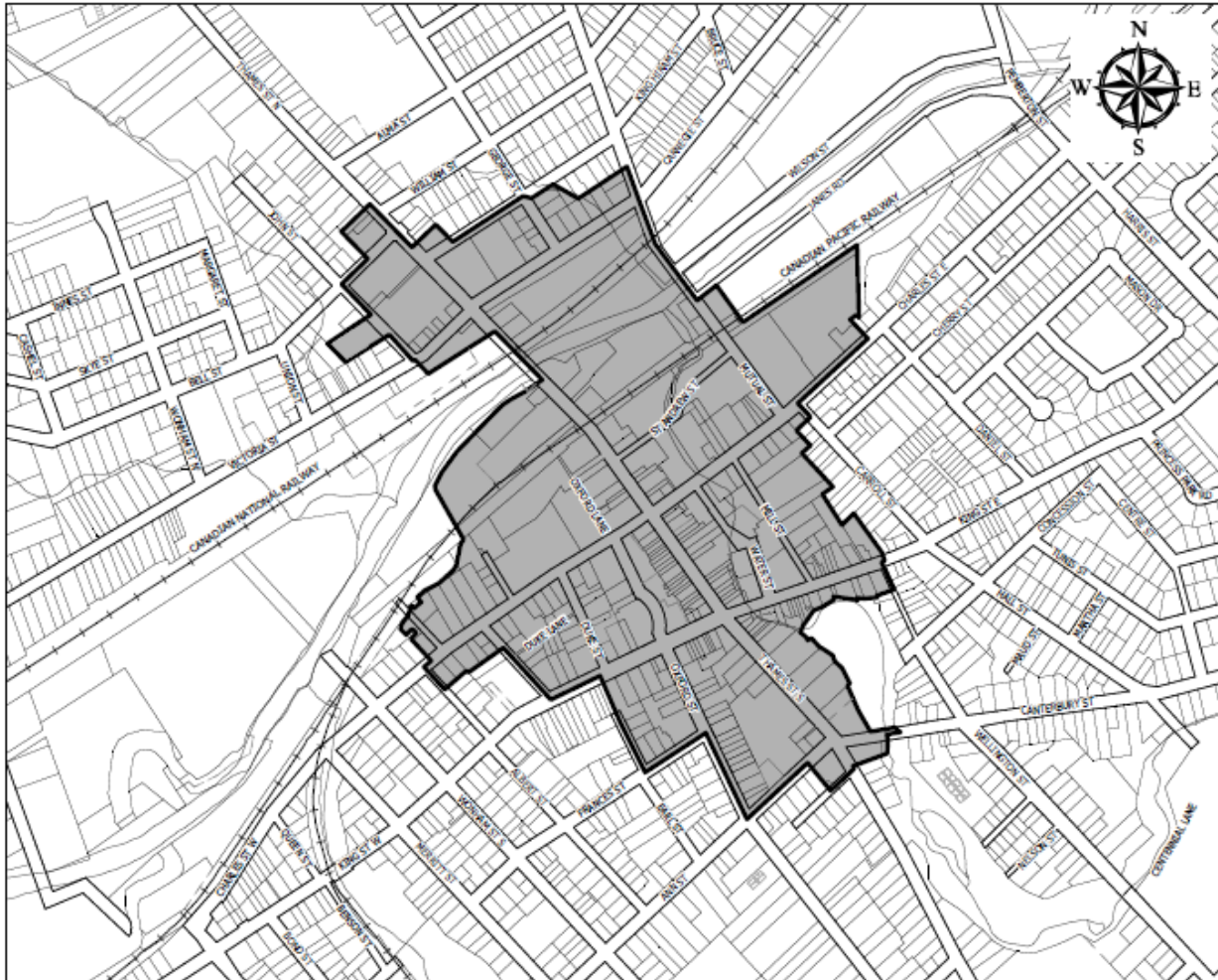



 LANDS TO WHICH BY-LAW XXXX-2024 DOES NOT APPLY

**SCHEDULE "D"
TO BY-LAW NO. XXXX-2024**

**SCHEDULE OF LANDS EXEMPT FROM THE
DEVELOPMENT CHARGE BY-LAW**

**COUNTY OF OXFORD - TOWN OF INGERSOLL
CENTRAL BUSINESS DISTRICT**



 LANDS TO WHICH BY-LAW XXXX-2024 DOES NOT APPLY