



2024 Development Charge Background Study

Township of Zorra

OFFICE CONSOLIDATION

April 5, 2024

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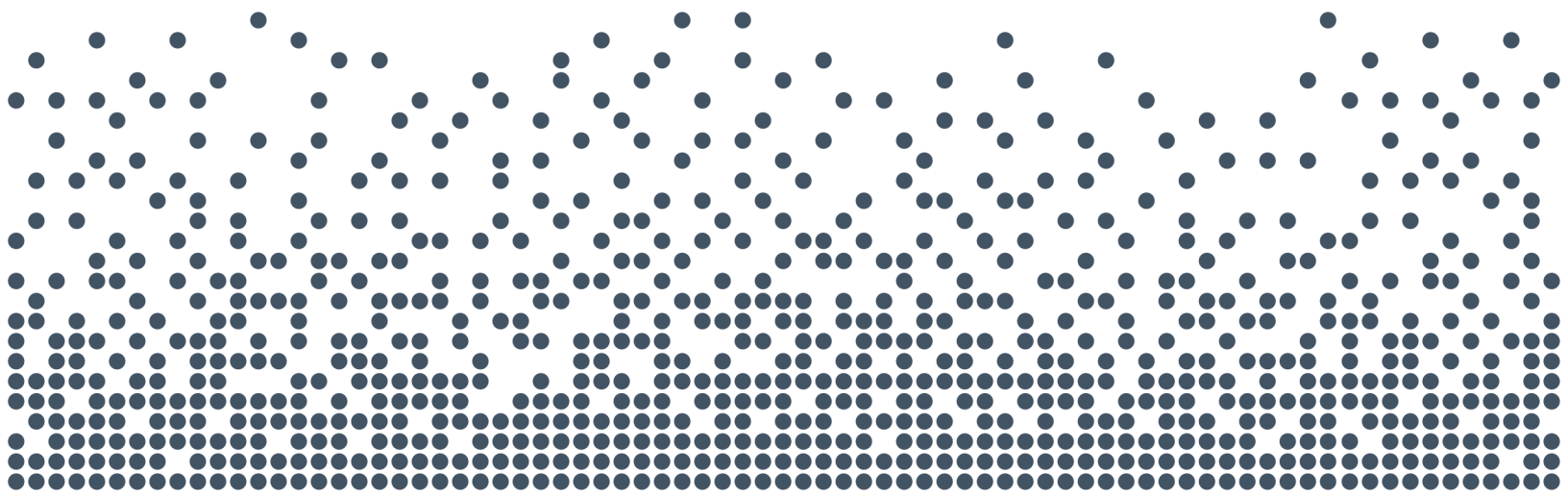
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List of Acronyms and Abbreviations

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 feet
km	kilometer



Executive Summary



Executive Summary

1. The report provided herein represents the Development Charges (D.C.) Background Study for the Township of Zorra (Township) 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 Township D.C. policy
 - Chapter 3 – Summary of the residential and non-residential growth forecasts for the Township;
 - 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 five bills passed in the Ontario legislature since the Township's last D.C. by-law amendment: Bill 109, and Bill 23, Bill 97, Bill 134 and Bill 185. 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 1.3.1.

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 1.3.2 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.

Bill 185: *Cutting Red Tap to Build More Homes Act, 2024*

On June, 6, 2024, Bill 185 received Royal Assent and includes the following changes to the D.C.A.

- The removal of the Mandatory Phase-in for D.C. by-laws passed after Bill 185 comes into effect;
- A reduction to the D.C. rate freeze timelines for developments proceeding through site plan and zoning by-law amendment applications under the Planning Act. Charges are currently held at rates in place on the date the application is made until building permit issuance, provided the building permit is issued within two (2) years of the approval of the application. This time period is proposed to be reduced to 18 months under Bill 185 (note that the two (2) year timeline will still apply to applications received prior to Bill 185 receiving Royal Assent);



- Inclusion of growth-related studies, including the D.C. background study, as a D.C.-eligible costs;
 - Provide a provision of the D.C. by-law specifying the date the by-law expires or to amend the provision to extend the expiry date;
 - To allow minor amendments related to the imposition of studies, removal of the mandatory phase-in, and extension of by-law expiry dates (subject to the 10-year limitations provided in the D.C.A.) to be undertaken for by-laws passed after November 28, 2022 and before Bill 185 takes effect; and
 - To modernize public notice requirements.
4. The Township is undertaking a D.C. public process and anticipates passing a new by-law for the eligible services. The mandatory public meeting has been set for May 15, 2024 with adoption of the by-law anticipated for June 19, 2024, with the by-law coming into force on the same day. The current by-law expires on June 19, 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	1,616
Residential Unit Increase	721
Non-Residential – Gross Floor Area Increase (sq.m.)	15,162

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 Township-wide 10-year forecast:

- Services related to a highway (including municipal works facilities, fleet and equipment);
- Fire protection services;
- Parks and recreation services; and
- Growth-Related Studies.

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

Table ES-2
Summary of Expenditures Anticipated Over the Forecast Period

Summary of Expenditures Anticipated Over the Life of the By-law	Expenditure Amount
Total Gross Capital Costs	\$15,988,000
Less: Benefit to Existing Development	\$6,410,000
Less: Post Planning Period Benefit	\$2,266,000
Less: Existing D.C. Reserve Funds	\$931,000
Net Costs to be Recovered from Development Charges	\$6,382,000

Based on the above table, the Township plans to spend \$16.0 million over the 10-year planning period of which \$6.4 million (40%) is recoverable from D.C.s



(including \$931,000 of D.C. reserve funds already collected). Of the net \$6.4 million included in the calculation, \$5.9 million is recoverable from residential development and \$446,000 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 \$9.6 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 \$1.5 million over the forecast period or 32% of D.C. recoverable costs¹.

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 a Township-wide basis for all services. The corresponding single detached unit charge is \$8,834. The non-residential charge is \$29.50 per sq.m. of building area. The calculated schedule of charges is presented in Table ES-3.

¹ D.C. revenue foregone is based on statutory exemptions/reductions contained in the D.C.A. and exemption policies in the current D.C. by-law.



Table ES-3
Calculated Schedule of Development Charges

Service/Class of 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 Wind Turbine)
Municipal Wide Services/Class of Service:						
Services Related to a Highway	2,518	1,854	1,485	943	11.06	2,518
Fire Protection Services	1,782	1,312	1,051	667	7.83	1,782
Parks and Recreation Services	4,521	3,328	2,666	1,692	10.57	
Growth-Related Studies	12	9	7	5	0.04	12
Total Municipal Wide Services/Class of Services	8,834	6,503	5,209	3,307	29.50	4,313

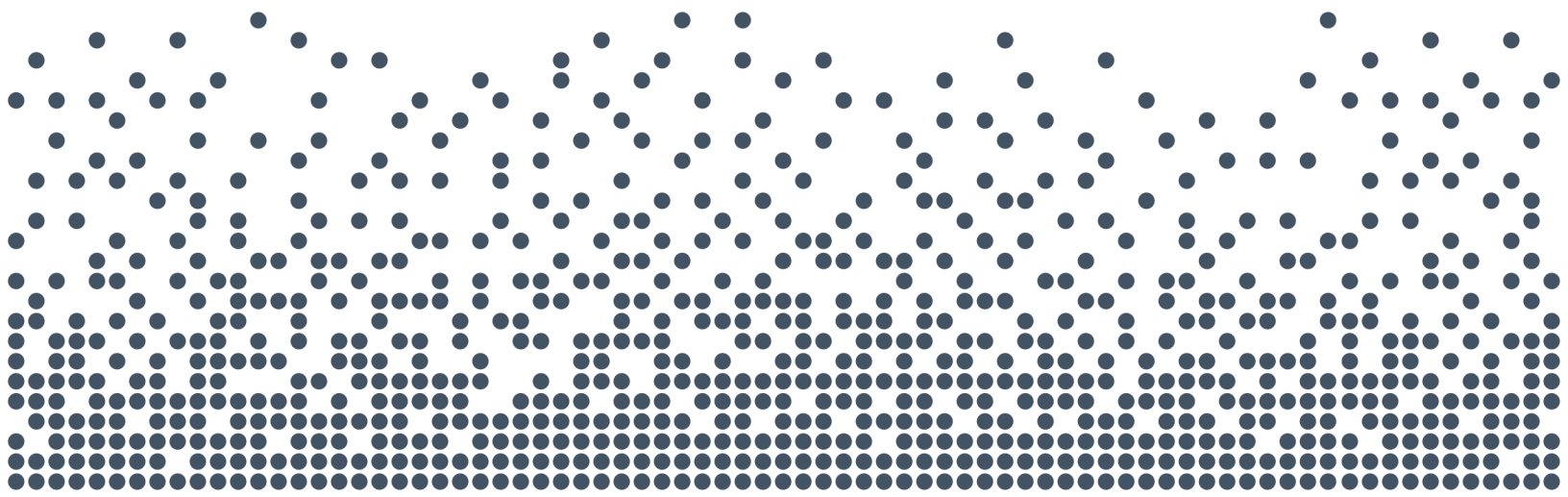


7. Chapter 7 outlines the D.C. by-law policy recommendations and rules as summarized below:

- 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 18 months 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
 - Affordable housing
- D.C. Discounts for rental housing development based on dwelling unit type:
 - >2 bedrooms - 25% discount
 - 2 bedrooms - 20% discount
 - <2 bedrooms - 15% discount
- Non-Statutory Deductions:
 - Non-residential farm buildings;



- Places of worship;
 - Public hospitals;
 - Temporary buildings and structures;
 - Long-term care homes;
 - Affordable housing; and
 - Temporary dwelling units
 - 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 F. These decisions may include:
- adopting the charges and policies recommended herein;
 - considering additional exemptions to the by-law; 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 Township of Zorra (Township).

The Township retained Watson & Associates Economists Ltd. (Watson) to undertake the D.C. study process. Watson worked with senior staff of the Township 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 Township'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 F).

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.

1.2 Summary of the Process

A public meeting required under Section 12 of the D.C.A. has been scheduled for May 15, 2024 at least two weeks after the posting of the D.C. background study and draft D.C. by-law on the Township'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 Township.

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
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	December 2023



Process Steps	Dates
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 6, 2024
7. D.C. Background Study and draft D.C. by-law(s) available to public	April 5, 2024
8. Public Meeting of Council	May 15, 2024
9. D.C. By-law(s) passage (anticipated)	June 19, 2024
10. D.C. By-Law(s) effective date	June 19, 2024
11. Newspaper notice given of by-law(s) passage	By 20 days after passage
12. Last day for by-law(s) 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 Township last amended their D.C. by-law(s), 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);
- *Helping Homebuyers, Protecting Tenants Act, 2023* (Bill 97)
- *Affordable Homes and Good Jobs Act, 2023* (Bill 134); and
- *Cutting Red Tape to Build More Homes Act, 2024* (Bill 185).



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 additional residential unit exemptions were amended through Bill 97 and exemptions for affordable units were 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.

1.3.3 Cutting Red Tape to Build More Homes Act, 2024 (Bill 185)

On June, 6, 2024, Bill 185 received Royal Assent and includes the following changes to the D.C.A.

- The removal of the Mandatory Phase-in for D.C. by-laws passed after Bill 185 comes into effect;
- A reduction to the D.C. rate freeze timelines for developments proceeding through site plan and zoning by-law amendment applications under the Planning Act. Charges are currently held at rates in place on the date the application is made until building permit issuance, provided the building permit is issued within two (2) years of the approval of the application. This time period is proposed to be reduced to 18 months under Bill 185 (note that the two (2) year timeline will still apply to applications received prior to Bill 185 receiving Royal Assent);
- Inclusion of growth-related studies, including the D.C. background study, as a D.C.-eligible costs;
- Provide a provision of the D.C. by-law specifying the date the by-law expires or to amend the provision to extend the expiry date;
- To allow minor amendments related to the imposition of studies, removal of the mandatory phase-in, and extension of by-law expiry dates (subject to the 10-year limitations provided in the D.C.A.) to be undertaken for by-laws passed after November 28, 2022 and before Bill 185 takes effect; and
- To modernize public notice requirements.



Chapter 2

Current Township D.C. Policy



2. Current Township D.C. Policy

2.1 By-law Enactment

The Township adopted By-law number 32-19 on June 19, 2019, which provides for Township-wide a D.C.s to be imposed. By-law 32-19 was amended by By-law 18-21. By-law 32-19 will expire on June 19, 2024, and the following sections review the current D.C. policies within the by-law.

2.2 Services Covered

The following Township-wide services are included under By-law 32-19:

- Roads and Related;
- Fire Services;
- Parks & Recreation; and
- Administration Studies.

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 by-law also allows the Township to enter into alternative payment agreements with owners.

2.4 Indexing

The by-law provides 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
Township of Zorra
2024 Development Charges

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 Wind Turbine)
Municipal Wide Services:						
Roads and Related	3,423	2,151	1,825	1,235	11.75	3,423
Fire Services	905	568	483	326	3.10	905
Parks and Recreation	1,998	1,254	1,065	721	4.78	-
Growth-related Studies	316	199	168	114	0.99	316.00
Total Municipal Wide Services	6,642	4,172	3,541	2,396	20.62	4,644

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

- 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-law also provides non-statutory exemptions from payment of D.C.s with respect to:

- Industrial buildings;
- Non-residential farm buildings;
- Places of worship;
- Public hospitals;
- Temporary buildings and structures;
- Long-term care homes;
- Affordable housing; and
- Temporary dwelling units.



Chapter 3

Anticipated Development in the Township



3. Anticipated Development in the Township

3.1 Requirement of the Act

The growth forecast contained in this chapter (with supplemental tables in Appendix A) provides for the anticipated development for which the Township 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.”

3.2 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 Township over the forecast period, including:

- Township of Zorra 2019 Development Charges Background Study, April 18, 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 and non-residential building permit data over the 2013 to June 2023 year-to-date period;
- Residential and non-residential supply opportunities as identified by Township of Zorra staff; and
- Discussions with Township staff regarding anticipated residential and non-residential development in the Township of Zorra.

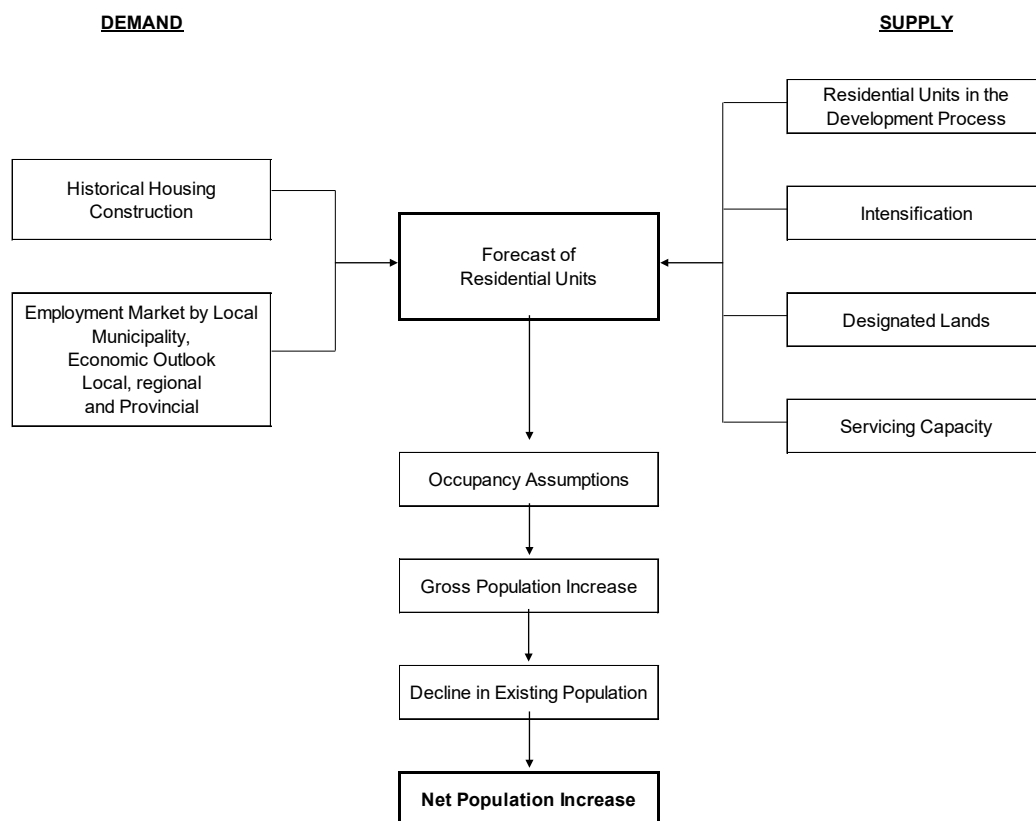


3.3 Summary of Growth Forecast

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 Township 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 Township of Zorra (excluding census undercount) is anticipated to reach approximately 10,810 by 2034, resulting in an increase of approximately 1,620 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
Township of Zorra
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	8,290	8,058	23	8,035	2,760	20	80	81	2,941	21	2.740
	Mid 2016	8,370	8,138	23	8,115	2,855	25	95	100	3,075	21	2.647
	Mid 2021	8,880	8,628	48	8,580	2,970	20	95	70	3,155	44	2.735
Forecast	Mid 2024	9,460	9,195	51	9,144	3,078	128	96	70	3,372	46	2.727
	Mid 2034	11,120	10,811	77	10,734	3,614	236	197	70	4,117	70	2.626
Incremental	Mid 2011 - Mid 2016	80	80	0	80	95	5	15	19	134	0	
	Mid 2016 - Mid 2021	510	490	25	465	115	-5	0	-30	80	23	
	Mid 2021 - Mid 2024	580	567	3	564	108	108	1	0	217	2	
	Mid 2024 - Mid 2034	1,660	1,616	26	1,590	536	108	101	0	745	24	

[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.

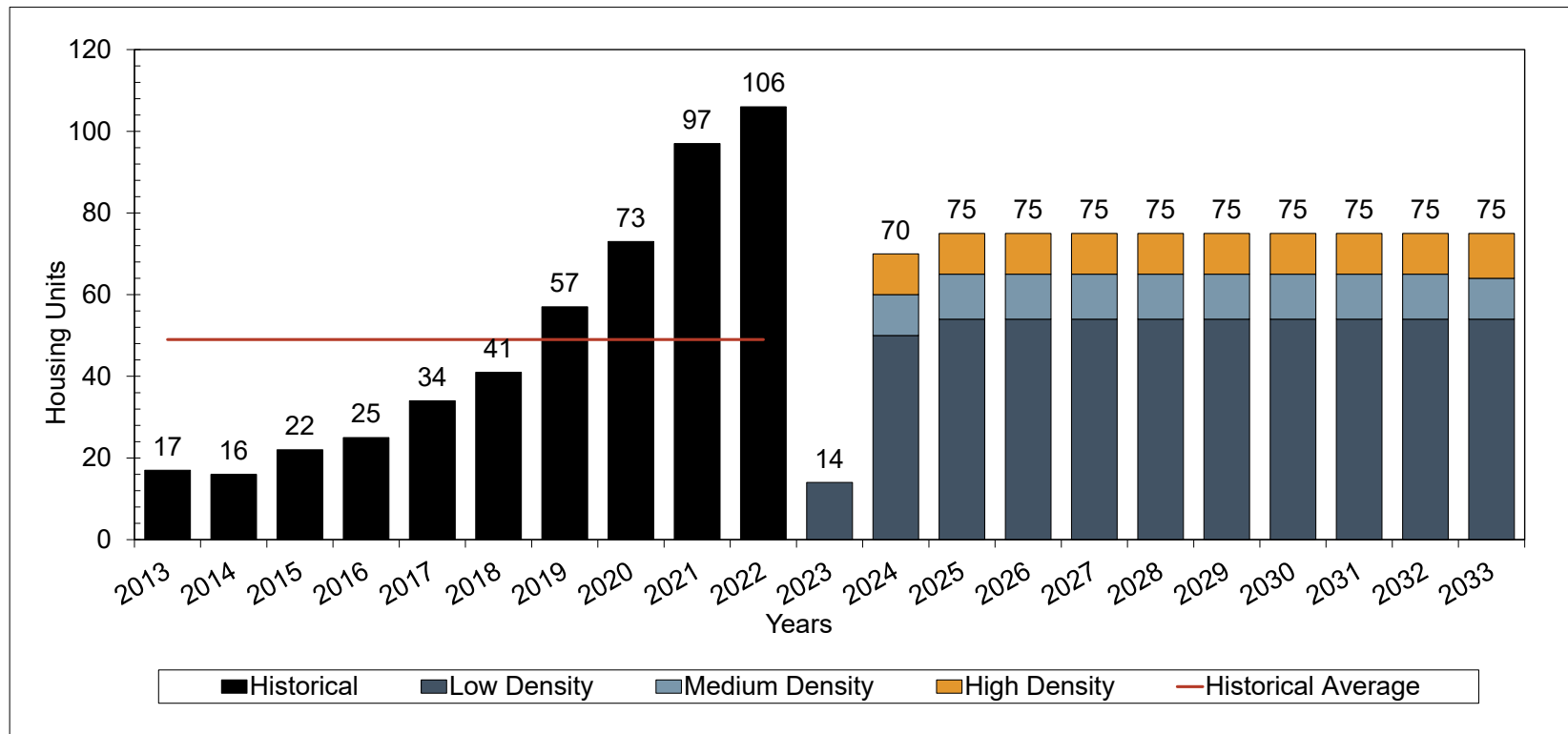
Notes:

Numbers may not add due to rounding.

Source: Watson & Associates Economists Ltd.



Figure 3-2
Township of Zorra
Annual Housing Forecast ^[1]



^[1] Growth forecast represents calendar year.

Source: Historical housing activity derived from Township of Zorra 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 Township of Zorra D.C. growth forecast:

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

- The housing unit mix for the Township was derived from a detailed review of historical development activity (as per Schedule 5), as well as active residential development applications and discussions with Township staff regarding anticipated development trends for the Township of Zorra.
- Based on the above indicators, the 2024 to 2034 household growth forecast for the Township is comprised of a unit mix of 72% low density units (single detached and semi-detached), 14% medium density (multiples except apartments) and 14% high density (bachelor, 1-bedroom and 2-bedroom apartments).

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

- Schedule 2 summarizes the anticipated amount, type, and location of development by area for the Township of Zorra
- 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
Township of Zorra
Geographic Location of Residential Development

Development Location	Amount of Housing Growth, 2024 to 2034	Percentage of Housing Growth, 2024 to 2034
Urban Serviced Area (Village of Thamesford)	580	77%
Urban Serviced Area (Village of Embro)	110	15%
Unserviced Urban Settlement Area and Remaining Rural Area	60	8%
Township of Zorra	750	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 Township of Zorra over the forecast period is presented in Table 3-1. Over the 2024 to 2034 forecast period, the Township is anticipated to average approximately 75 new housing units per year.
- Institutional population ^[1] is anticipated to increase by approximately 25 people between 2024 to 2034.

^[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.



- 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.
- 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 Township of Zorra. Due to data limitations medium and high density P.P.U. data was derived from the County of Oxford which includes the Township of Zorra, and is outlined in Schedule 6b. 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: 2.960
 - Medium density: 2.179
 - High density: 1.439

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 380.

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

- The employment projections provided herein are largely based on the activity rate method, which is defined as the number of jobs in the Township divided by the number of residents. Key employment sectors

^[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.



include primary, industrial, commercial/population-related, institutional, and work at home, which are considered individually below.

- 2016 employment data ^{[1],[2]} (place of work) for the Township of Zorra is outlined in Schedule 8a. The 2016 employment base is comprised of the following sectors:
 - 295 primary (12%);
 - 780 work at home employment (31%);
 - 950 industrial (38%);
 - 370 commercial/population-related (15%); and
 - 105 institutional (1%).
- The 2016 employment by usual place of work, including work at home, is 2,500. An additional 290 employees have been identified for the Township of Zorra 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 Township of Zorra is anticipated to reach approximately 3,290 by mid-2034. This represents an employment increase of approximately 330 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

^[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."



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.

- Total employment for the Township of Zorra (excluding work at home and N.F.P.O.W. employment) is anticipated to reach approximately 1,870 by mid-2034. This represents an employment increase of approximately 120 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:
 - 1,800 sq.ft. per employee for industrial;
 - 525 sq.ft. per employee for commercial/population-related; and
 - 680 sq.ft. per employee for institutional employment.
- The incremental G.F.A. is anticipated to increase by 163,200 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 – 67%;
 - commercial/population-related – 26%; and
 - institutional – 7%.

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 Township of Zorra by area.

^[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 1,860 by mid-2034.



- The amount and percentage of forecast total non-residential growth between 2024 and 2034 by development location is summarized below.

Table 3-3
Township of Zorra
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
Urban Serviced Area (Village of Thamesford)	46,400	28%
Urban Serviced Area (Village of Embro)	101,100	62%
Unserviced Urban Settlement Area and Remaining Rural Area	15,600	10%
Township of Zorra	163,200	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 Township.

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.” 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 Township’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

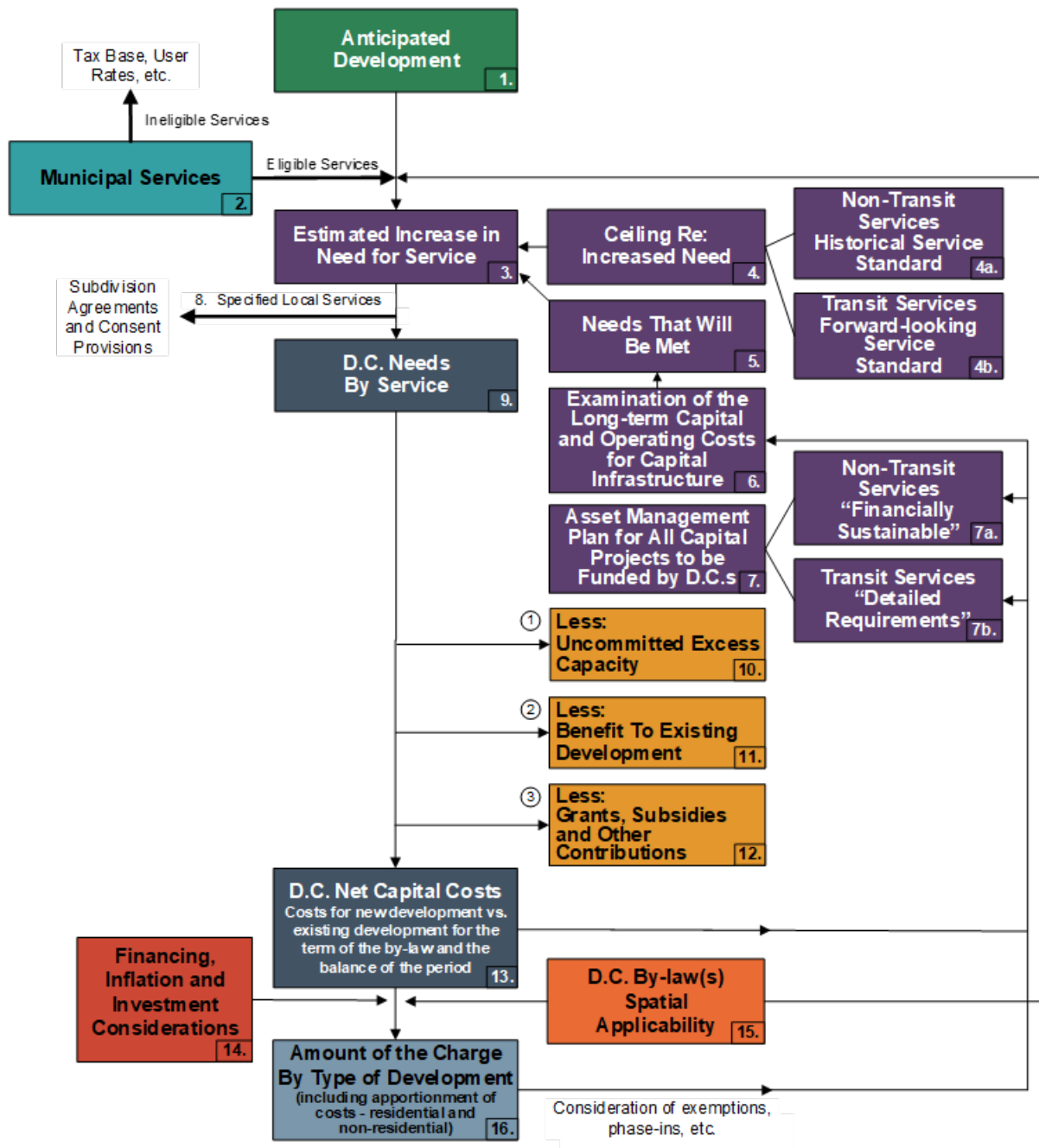




Table 4-1
Categories of Municipal Services to be Addressed as Part of the Calculation – Eligibility Legend

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	No	1.1 Treatment plants
	No	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	No	2.1 Treatment plants
	No	2.2 Sewage trunks
	n/a	2.3 Local systems
	No	2.4 Vehicles and equipment ¹
3. Stormwater Drainage and Control Services	No	3.1 Main channels and drainage trunks
	No	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 Yes Yes No Yes Yes Yes Yes Yes	4.1 Arterial roads 4.2 Collector roads 4.3 Bridges, Culverts and Roundabouts 4.4 Local municipal roads 4.5 Traffic signals 4.6 Sidewalks and streetlights 4.7 Active Transportation 4.8 Works Yard 4.9 Rolling stock ¹
5. Electrical Power Services	n/a n/a n/a	5.1 Electrical substations 5.2 Electrical distribution system 5.3 Electrical system rolling stock ¹
6. Transit Services	No No	6.1 Transit vehicles ¹ & facilities 6.2 Other transit infrastructure
7. Waste Diversion Services	n/a n/a	7.1 Waste diversion facilities 7.2 Waste diversion vehicles and equipment ¹
8. Policing Services	n/a n/a n/a	8.1 Police detachments 8.2 Police rolling stock ¹ 8.3 Small equipment and gear
9. Fire Protection Services	Yes Yes Yes	9.1 Fire stations 9.2 Fire Vehicles ¹ 9.3 Fire Equipment and gear
10. Ambulance Services	n/a	10.1 Ambulance station space 10.2 Vehicles ¹
11. Services provided by a board within the meaning of the <i>Public Libraries Act</i>	No n/a No	11.1 Public library space (incl. furniture and equipment) 11.2 Library vehicles ¹ 11.3 Library materials
12. Services Related to Long-Term Care	n/a n/a	12.1 Long-Term Care space 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	<p>Ineligible</p> <p>Yes</p> <p>Yes</p> <p>Yes</p> <p>Yes</p>	<p>13.1 Acquisition of land for parks, woodlots and E.S.A.s</p> <p>13.2 Development of municipal parks</p> <p>13.3 Parks rolling stock¹ and yards</p> <p>13.4 Facilities, such as arenas, indoor pools, fitness facilities, community centres, etc.</p> <p>13.5 Recreation vehicles and equipment¹</p>
14. Services Related to Public Health	<p>n/a</p> <p>n/a</p>	<p>14.1 Public Health department space</p> <p>14.2 Public Health department vehicles¹</p>
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.	<p>n/a</p> <p>n/a</p>	<p>15.1 Childcare space</p> <p>15.2 Vehicles¹</p>
16. Services related to proceedings under the <i>Provincial Offences Act, including by-law enforcement services and municipally administered court services</i>	<p>n/a</p> <p>n/a</p>	<p>16.1 P.O.A. space, including by-law enforcement and municipally administered court services</p> <p>16.2 Vehicles¹</p>
17. Services Related to Emergency Preparedness	<p>No</p> <p>No</p>	<p>17.1 Emergency Preparedness Space</p> <p>17.2 Equipment</p>
18. Services Related to Airports	<p>n/a</p> <p>Ineligible</p>	<p>18.1 Airports (in the Regional Municipality of Waterloo)</p> <p>18.2 Other Airports</p>

¹ with a 7+ year useful life



Categories of Municipal Services	Inclusion in the D.C. Calculation	Service Components
19. Other	Yes	19.1 Interest on money borrowed to pay for growth-related capital 19.2 Studies in connection with acquiring buildings, rolling stock, materials and equipment, and improving land [2] and facilities, including the D.C. background study cost

[2] same percentage as service component to which it pertains

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 Township’s Local Service Policy is included in Appendix E.

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;
- e) interest on money borrowed to pay for the above-referenced costs;
- f) costs to undertake studies in connection with the above-referenced matters; and
- g) costs of the D.C. background study.

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 Township ’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 Township 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 Township’s 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
Township of Zorra
Estimated D.C. Reserve Funds Balances

Service/Class of Service	2022 Year-End Reserve Fund Balance	2019-2023 Adjustment	2023 D.C. Revenue	D.C. Exemptions	Adjusted Balance
Fire Services	39,078	(10,580)	22,939	19,640	71,076
Roads and Related Services	256,443	(17,650)	86,590	74,417	399,801
Parks & Recreation Services	289,027	26,676	49,281	30,261	395,245
Administration Studies Services	84,867	(34,223)	8,011	6,279	64,935
Total	669,415	(35,776)	166,820	130,598	931,058



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 Township-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 Township-Wide vs. Area Rating

This step involves determining whether all the subject costs are to be recovered on a uniform Township-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 Township-wide 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, Township 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 10-Year Capital Costs for D.C. Calculation

This section evaluates the development-related capital requirements for select 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 Township currently provides services related to a highway utilizing an inventory of 473 km of roads, 11,276 sq.m. of bridges and culverts, 35,658 sq.m. of sidewalks, and 595 streetlights. The services are also managed through the use of 60,536 sq.ft. of public works facility space and 44 vehicles. This total historical level of investment results in an average level of service of \$23,984 per capita over the past 15-years. When applied against the anticipated population growth over the 10-year forecast period (i.e., 1,616 net population growth including institutional population), this results in a maximum D.C.-eligible amount of \$38.8 million that could be included in the calculation of the charge.

The capital needs, which have been factored into the calculation of the charge over the 10-year forecast period, were determined through discussions with staff. In total, \$7.2



million in gross capital costs of growth-related projects have been identified. \$4.9 million has been deducted as a benefit to existing development. After deducting \$399,800 for an existing reserve fund surplus, \$1.9 million of costs are included in the calculation of the charge.

These D.C.-eligible costs are then attributed 91% to residential development and 9% to non-residential development based on the relationship of population to employment growth anticipated over the 10-year forecast period (i.e., 1,616 population and 158 employment). These growth-related projects and costs are detailed in Table 5-1.

5.2.2 Fire Protection Services

Fire protection services in the Township are provided through three fire stations totalling 13,550 sq.ft. of G.F.A. Included within these three fire stations are 11 vehicles and 200 items of equipment. This total historical level of investment results in an average level of service of \$1,416 per capita over the past 15-years

To provide service to new development over the 10-year forecast period, \$4.2 million in gross capital costs of growth-related projects have been identified including a station expansion and additional fire apparatus. \$530,000 has been deducted as a benefit to existing development. After removing \$2.3 million for growth-related costs that are of a benefit to growth beyond the 10-year forecast period and \$71,100 to account for a current reserve fund surplus, \$1.3 million of costs are included in the calculation of the charge.

These D.C.-eligible costs are then attributed 91% to residential development and 9% to non-residential development based on the relationship of population to employment growth anticipated over the 10-year forecast period (i.e., 1,616 population and 158 employment). These growth-related projects and costs are detailed in Table 5-2.

5.2.3 Parks and Recreation Services

The Township currently provides Parks and Recreation Services through 25 park amenities, 1,044 metres of paths and trails, 16 vehicles, and 84,137 sq.ft of facility space. This total historical level of investment results in an average level of service of \$5,536 per capita over the past 15-years.



To provide service to new development over the 10-year forecast period, \$4.5 million in gross capital costs of growth-related projects have been identified. \$954,000 has been deducted as a benefit to existing development and \$395,000 has been removed to account for a current D.C. reserve fund surplus, resulting in \$3.2 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 uses of Parks and Recreation Services. These growth-related projects and costs are detailed in Table 5-3.

5.2.4 Growth-Related Studies

Section 7 of the D.C.A. states that a D.C. by-law may provide for any D.C. eligible service or the capital costs with respect to those services. Further, a class may be composed of any number or combination of services and may include parts or portions of each D.C. eligible services. With respect to growth-related studies, Section 7 (3) of the D.C.A. states that:

For greater certainty, a development charge by-law may provide for a class consisting of studies in respect of any service listed in subsection 2 (4) whose capital costs are described in paragraphs 5 and 6 of subsection 5 (3).

These provisions allow for services to be grouped together to create a class for the purposes of the D.C. by-law and D.C. reserve funds. The D.C. calculations and draft by-law provided herein include a class for growth-related studies. This class is comprised of the following municipal-wide services:

- Services Related to a Highway;
- Fire Protection Services; and
- Parks and Recreation Services.

The following provides a list of the studies that have been identified for the 2024 to 2034 forecast period:

- D.C. Background Studies (2028 & 2033).

D.C. background studies have been allocated to the services in the following manner:

- Services Related to a Highway – 29.3%



- Fire Protection Services – 20.6%
- Parks and Recreation Services – 50.2%

The total cost of these studies is \$66,000. After deducting \$64,900 to account for the current D.C. reserve fund surplus, \$1,065 of D.C.-eligible costs are included in the calculation of the charge as presented in Table 5-4.

The allocation of the net growth-related costs between residential and non-residential development is based on the residential and non-residential allocations for each service area and are presented in Table 5-5 below.



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

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%
	Facilities									
1	PPB Share of Kintore Shop Replacement (NPV of Future Principal and Interest Payments)	2024-2025	1,361,903	-	1,361,903	-		1,361,903	1,239,332	122,571
			-	-	-	-		-	-	-
	Roads									
2	Road 78 from the 35th Line to 37th Line	2024	389,700	-	389,700	332,800		56,900	51,779	5,121
3	Road 78 from the 35th Line to The 31st Line	2025	818,300	-	818,300	698,800		119,500	108,745	10,755
4	35th Line from Road 78 to Road 84	2027	855,600	-	855,600	730,700		124,900	113,659	11,241
5	Road 74 from 119 to Cobble Hills Road	2028	1,575,700	-	1,575,700	1,345,700		230,000	209,300	20,700
6	Road 78 from 119 to the 23rd Line	2031	445,800	-	445,800	380,700		65,100	59,241	5,859
7	Road 78 From the 23rd Line to the 31st Line	2032	1,635,700	-	1,635,700	1,396,900		238,800	217,308	21,492
	Studies									
8	Roads Needs Study	2024-2033	50,000	-	50,000	25,000		25,000	22,750	2,250
9	Transportation Master Plan	2024-2033	60,000	-	60,000	15,000		45,000	40,950	4,050
			-	-	-	-		-	-	-
	Reserve Fund Adjustment		-	-	-	-		(399,801)	(363,819)	(35,982)
			-	-	-	-		-	-	-
	Total		7,192,703	-	7,192,703	4,925,600	-	1,867,302	1,699,245	168,057



**Table 5-2
Infrastructure Costs Covered in the D.C. Calculation – Fire Protection 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 91%	Non- Residential Share 9%
1	Embro Station Expansion	2024-2033	1,030,000	-	1,030,000	-		1,030,000	937,300	92,700
2	Aerial Apparatus	Post 2033	2,266,000	2,266,000	-	-		-	-	-
3	Pumper Tanker (Station 3)	2024-2033	824,000	-	824,000	515,000		309,000	281,190	27,810
	Studies									
4	Fire Master Plan	2024-2033	60,000	-	60,000	15,000		45,000	40,950	4,050
	Reserve Fund Adjustment		-	-	-	-		(71,076)	(64,679)	(6,397)
	Total		4,180,000	2,266,000	1,914,000	530,000	-	1,312,924	1,194,761	118,163



**Table 5-3
Infrastructure Costs Covered in the D.C. Calculation – Parks and Recreation 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 95%	Non-Residential Share 5%
	Parkland Development & Amenities			-	-	-		-	-	-
1	New Thamesford Playground	2024-2028	93,200	-	93,200	-		93,200	88,540	4,660
2	Outdoor Fitness Equipment (Trail Loop)	2024-2028	55,700	-	55,700	47,600		8,100	7,695	405
3	Embros Skateboard Park	2024-2025	299,300	-	299,300	255,600		43,700	41,515	2,185
	<u>IDRC Park Development</u>									
4	Concept Plan	2024-2033	51,500	-	51,500	9,600		41,900	39,805	2,095
5	Baseball Diamond	2024-2033	181,300	-	181,300	33,700		147,600	140,220	7,380
6	Multi-Purpose Courts	2024-2033	275,000	-	275,000	51,100		223,900	212,705	11,195
7	Grace Patterson Park Trail Extension	2027	51,500	-	51,500	44,000		7,500	7,125	375
8	Intra Park Trails	2024-2025	92,700	-	92,700	79,200		13,500	12,825	675
9	New Trail (EZCC Park)	2029	20,600	-	20,600	17,600		3,000	2,850	150
10	Turf Soccer Field	2024-2033	206,000	-	206,000	103,000		103,000	97,850	5,150
11	Parkland Development Provision	2024-2033	186,400	-	186,400	-		186,400	177,080	9,320
12	School Gymnasium Contribution	2025-2026	2,976,400	-	2,976,400	297,600		2,678,800	2,544,860	133,940
	Studies		-	-	-	-		-	-	-
13	Parks and Recreation Master Plan	2024-2033	60,000	-	60,000	15,000		45,000	42,750	2,250
			-	-	-	-		-	-	-
	Reserve Fund Adjustment		-	-	-	-		(395,245)	(375,483)	(19,762)
			-	-	-	-		-	-	-
	Total		4,549,600	-	4,549,600	954,000	-	3,200,355	3,040,337	160,018



Table 5-4
Infrastructure Costs Covered in the D.C. Calculation – Growth-Related Studies

Prj.No	Increased Service Needs Attributable to Anticipated Development	Timing (year)	Gross Capital Cost Estimate (2024\$)	Post Period Benefit	Other Deductions (to recognize benefit to non-D.C. services)	Net Capital Cost	Less:		Potential D.C. Recoverable Cost
							Benefit to Existing Development	Grants, Subsidies and Other Contributions Attributable to New Development	
	2024-2033								
1	Development Charges Background Study	2028	33,000	-		33,000	-		33,000
2	Development Charges Background Study	2033	33,000	-		33,000	-		33,000
			-	-		-	-		-
	Reserve Fund Adjustment			-		-	-		(64,935)
	Total		66,000	-	-	66,000	-	-	1,065

Table 5-5
Infrastructure Costs Covered in the D.C. Calculation – Growth-Related Studies – Residential/Non-Residential Shares

Class/ Service	Total	Residential Share	Non-Residential Share
Fire Protection Services	219	200	20
Services Related to a Highway	312	284	28
Parks and Recreation Services	534	508	27
Total	1,065	991	75
Residential/Non-Residential %		93%	7%



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 D.C. calculation for all services 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, and 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.

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, Fire Protection Services, and Growth-Related Studies.

The cash-flow calculations of the maximum D.C.s 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 6-2 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, and per wind turbine.

Table 6-3 compares the Township's existing charges to the charges proposed herein in Table 6-2, for a single detached residential dwelling unit and per sq.m. of G.F.A. for non-residential development. The proposed charges are \$8,834 for a single detached residential dwelling unit, and \$29.50 per sq.m. of non-residential G.F.A. The proposed residential charges for a single detached dwelling unit represent a 33% increase



(+\$2,192) over the current charges of \$6,642. The non-residential charges per sq.m. represent a 43% increase (+\$8.88) over the current charges of \$20.62.

Table 6-1
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	\$ 1,699,245	\$ 168,057	\$ 2,518	\$ 11.06
2. Fire Protection Services	1,194,761	118,163	1,782	7.83
3. Parks and Recreation Services	3,040,337	160,018	4,521	10.57
4. Growth-Related Studies	991	75	12	0.04
TOTAL	\$5,935,333	\$446,313	\$8,834	\$29.50
Financing Costs/(Earnings)	\$12,899	\$924		
D.C.-Eligible Capital Cost	\$5,948,232	\$447,236		
10-Year Gross Population/GFA Growth (sq.m.)	1,993	15,162		
Cost Per Capita/Non-Residential GFA (sq.m.)	\$2,984.56	\$29.50		
By Residential Unit Type	P.P.U.			
Single and Semi-Detached Dwelling	2.960	\$8,834		
Other Multiples	2.179	\$6,503		
Apartments - 2 Bedrooms +	1.745	\$5,209		
Apartments - Bachelor and 1 Bedroom	1.108	\$3,307		

Table 6-2
Schedule of Calculated D.C.s

Service/Class of 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 Wind Turbine)
Municipal Wide Services/Class of Service:						
Services Related to a Highway	2,518	1,854	1,485	943	11.06	2,518
Fire Protection Services	1,782	1,312	1,051	667	7.83	1,782
Parks and Recreation Services	4,521	3,328	2,666	1,692	10.57	
Growth-Related Studies	12	9	7	5	0.04	12
Total Municipal Wide Services/Class of Services	8,834	6,503	5,209	3,307	29.50	4,313



Table 6-3
Comparison of Current and Calculated D.C.s

Residential (Single Detached) Comparison

Service/Class of Service	Current	Calculated (2024\$)	Change (\$)	Change (%)
Municipal Wide Services/Classes:				
Services Related to a Highway	3,423	2,518	(905)	-26%
Fire Protection Services	905	1,782	877	97%
Parks and Recreation Services	1,998	4,521	2,523	126%
Growth-Related Studies	316	12	(304)	-96%
Total Municipal Wide Services/Classes	6,642	8,834	2,192	33%

Non-Residential (per sq.m.) Comparison

Service/Class of Service	Current	Calculated (2024\$)	Change (\$)	Change (%)
Municipal Wide Services/Classes:				
Services Related to a Highway	11.75	11.06	(0.69)	-6%
Fire Protection Services	3.10	7.83	4.73	153%
Parks and Recreation Services	4.78	10.57	5.79	121%
Growth-Related Studies	0.99	0.04	(0.95)	-96%
Total Municipal Wide Services/Classes	20.62	29.50	8.88	43%



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, 134 and 185. 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 Township uses a uniform Township-wide D.C. calculation for all services considered herein;
- The Township uses one Township-wide D.C. by-law for all services to be recovered through D.C.s.

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 Parks and Recreation Services, a 5% non-residential attribution has been made to recognize use by the non-residential sector;
- For Fire Protection Services and Services Related to a Highway a 91% residential and 9% non-residential attribution has been made based on a population vs. employment growth ratio over the Township-wide forecast period; and
- For Growth-Related Studies, a 93% residential and 7% non-residential attribution has been made based on the allocations summarized in Table 5-5.

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; and
- 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

- Non-residential farm buildings;
- Places of worship;
- Public hospitals;
- Temporary buildings and structures;
- Long-term care homes;
- Affordable housing; and
- Temporary dwelling units.

For the purposes of funding non-statutory exemptions, the charge for Farm Buildings as defined in the by-law, has been determined to be \$0.81 per sq.m. of G.F.A. reflective of the lower demand for service and density of development.



7.3.5 Transition

The by-law will come into effect on June 19, 2024.

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 Township 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 18 months 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 Township 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 Township-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

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-law provided herein refers to O. Reg. 82/98 to ensure traceability should this index continue to be modified over time.



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 Township-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, Township-wide D.C.s. When area-specific charges are used, it is generally to underpin master servicing and front-end financing arrangements for more localized capital costs.

The rationale for maintaining a Township-wide D.C. approach is based, in part, on the following:

- The 15-year service level from all applicable services across the Township can be included to establish an upper ceiling on the amount of funds which can be collected. If a D.C. by-law applied to only a part of the Township, the level of service cannot exceed that which would be determined if the by-law applied to the whole municipality. As such, when applied to forecast growth within the specific area, it would establish an area specific level of service ceiling which could reduce the total revenue recoverable for the municipality, potentially resulting in D.C. revenue shortfalls and impacts on property taxes.
- D.C.s ensures a consistent approach to financing the entire cost associated with growth-related capital projects. For example, user rates and property taxes are required to finance the share of growth-related capital projects not recoverable by D.C.s and all associated operating costs. Therefore, the use of area specific D.C.s results in a share of growth-related capital costs being recovered from a specific area, with the remaining capital costs of the projects (i.e., non-D.C. recoverable share) and the associated operating costs with those new assets being recovered from uniform user rates and property taxes, applied to the entire Township.
- Attempting to impose an area-specific D.C. potentially causes equity issues in transitioning from a Township-wide approach to an area-specific approach. An area of a municipality that is less developed and becomes subject to an area specific D.C., could face a significant increase in D.C. rates, as the municipality will not benefit from drawing on the pool of D.C. funding and may have contributed D.C.s to fund capital required to support development in other communities of the municipality. Whereas another part of the municipality that has experienced significant growth which required substantial capital



investments, benefitted from the capital investments being financed by Township-wide D.C.s. The implementation of area specific D.C.s could result in varying D.C.s across the municipality, which may impact the ability to attract investment into parts of the community.

- Services are generally available across the municipality, used often by all residents and are not restricted to one specific geographic area. The use of a Township-wide D.C. approach reflects these system-wide benefits of service and more closely aligns with the funding principles of service provision (e.g., uniform Township-wide property tax rates, etc.).

Based on the foregoing and discussions with staff, the municipal practice of providing and funding services on a Township-wide basis is proposed to be maintained.

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 Township's D.C. collections be contributed into three (3) separate reserve funds, including:

- Services Related to a Highway;
- Fire Protection Services;
- Parks and Recreation Services; and
- Growth-Related Studies.

7.4.2 By-law In-force Date

The by-law will come into force on June 19, 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 a uniform Township-wide basis for all services within this background study.”

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

“Approve the D.C.s Background Study dated April 5, 2024, as amended.”

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

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



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,

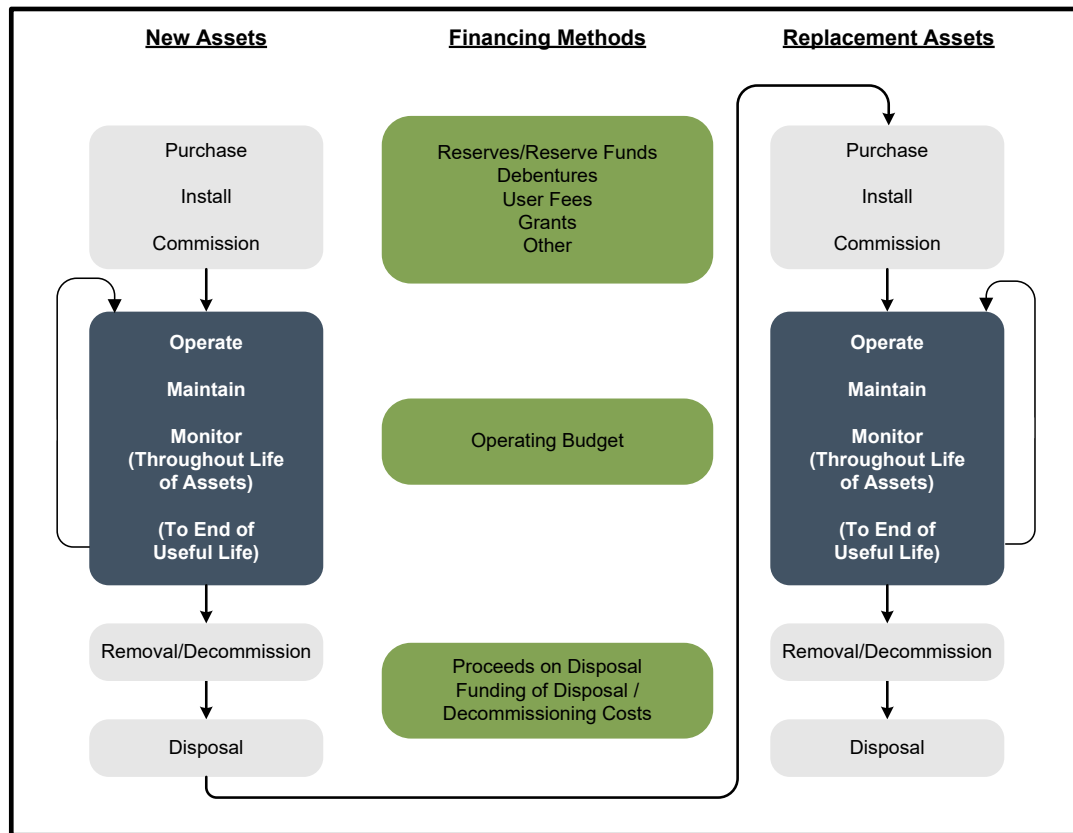
- a) deal with all assets whose capital costs are proposed to be funded under the development charge by-law;**
- b) demonstrate that all the assets mentioned in clause (a) are financially sustainable over their full life cycle;**
- c) contain any other information that is prescribed; and**
- d) be prepared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

In 2012, the Province developed Building Together: Guide for Municipal Asset Management Plans which outlines the key elements for an A.M.P., 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 above provides for the general approach to be considered by Ontario municipalities. At this time, there is not a mandated approach for municipalities hence leaving discretion to individual municipalities as to how they plan for the long-term replacement of their assets. The asset management requirement for this D.C. Background Study has been undertaken independently of any the Township'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. Furthermore, as only the present infrastructure gap has been considered at this time within the A.M.P., 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 Township 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 \$1 million. Of this total, \$466,000 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 \$1.2 million. This amount, totalled with the existing operating revenues of \$17.6 million, provides annual revenues of \$18.8 million by the end of the period.
6. In consideration of the above, the capital plan is deemed to be financially sustainable.



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

	2033 (Total)
Expenditures (Annualized)	
Annual Debt Payment on Non-Growth Related Capital ¹	\$465,772
Annual Debt Payment on Post Period Capital ²	\$0
Lifecycle:	
Annual Lifecycle - Municipal-wide Services	\$282,767
Incremental Operating Costs (for D.C. Services)	\$259,686
Total Expenditures	\$1,008,225
Revenue (Annualized)	
Total Existing Revenue ³	\$17,618,091
Incremental Tax and Non-Tax Revenue (User Fees, Fines, Licences, etc.)	\$1,220,843
Total Revenues	\$18,838,934

¹ Non-Growth Related component of Projects

² Interim Debt Financing for Post Period Benefit

³ 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 Township 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 Township 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 Township'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 Township 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 Township 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 Township 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 Township 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 Township 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 Township 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 Township 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 Township 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 Township assesses whether this mechanism is appropriate for its use, as part of funding projects prior to Township 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*."

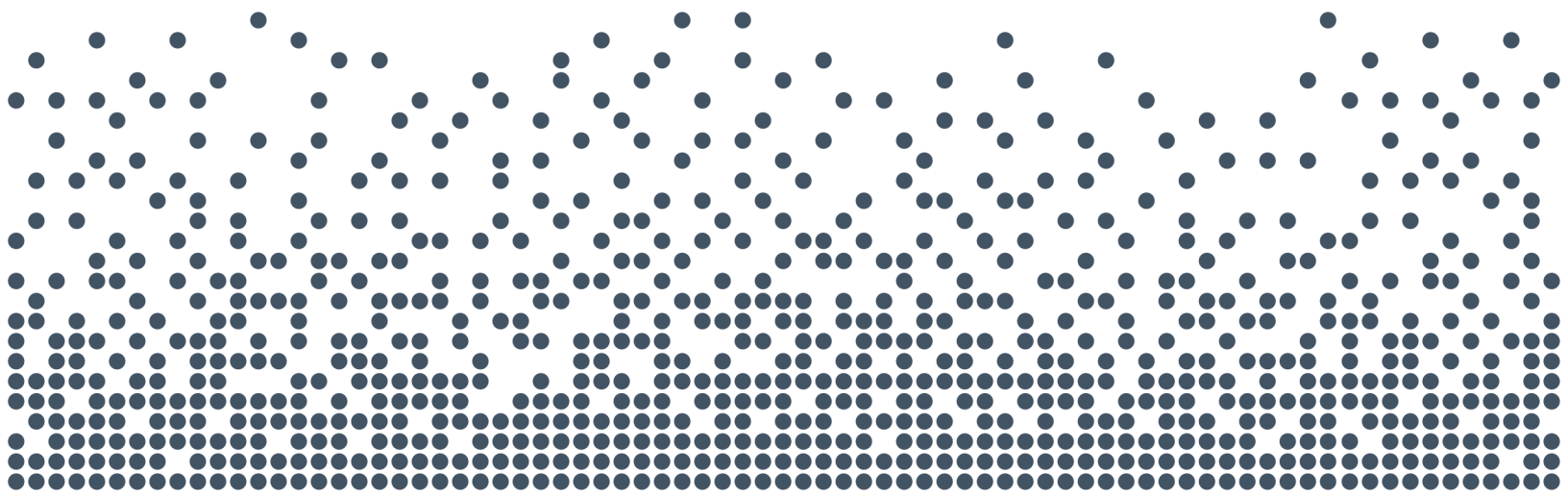


It is also noted that subsection 59 (4) of the D.C.A. requires that the municipal approval authority for a draft plan of subdivision under subsection 51 (31) of the *Planning Act*, use its power to impose conditions to ensure that the first purchaser of newly subdivided land is informed of all the D.C.s 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 Township 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 Township of Zorra 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	8,290	8,058	23	8,035	2,760	20	80	81	2,941	21	2.740
	Mid 2016	8,370	8,138	23	8,115	2,855	25	95	100	3,075	21	2.647
	Mid 2021	8,880	8,628	48	8,580	2,970	20	95	70	3,155	44	2.735
Forecast	Mid 2024	9,460	9,195	51	9,144	3,078	128	96	70	3,372	46	2.727
	Mid 2034	11,120	10,811	77	10,734	3,614	236	197	70	4,117	70	2.626
Incremental	Mid 2011 - Mid 2016	80	80	0	80	95	5	15	19	134	0	
	Mid 2016 - Mid 2021	510	490	25	465	115	-5	0	-30	80	23	
	Mid 2021 - Mid 2024	580	567	3	564	108	108	1	0	217	2	
	Mid 2024 - Mid 2034	1,660	1,616	26	1,590	536	108	101	0	745	24	

^[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.

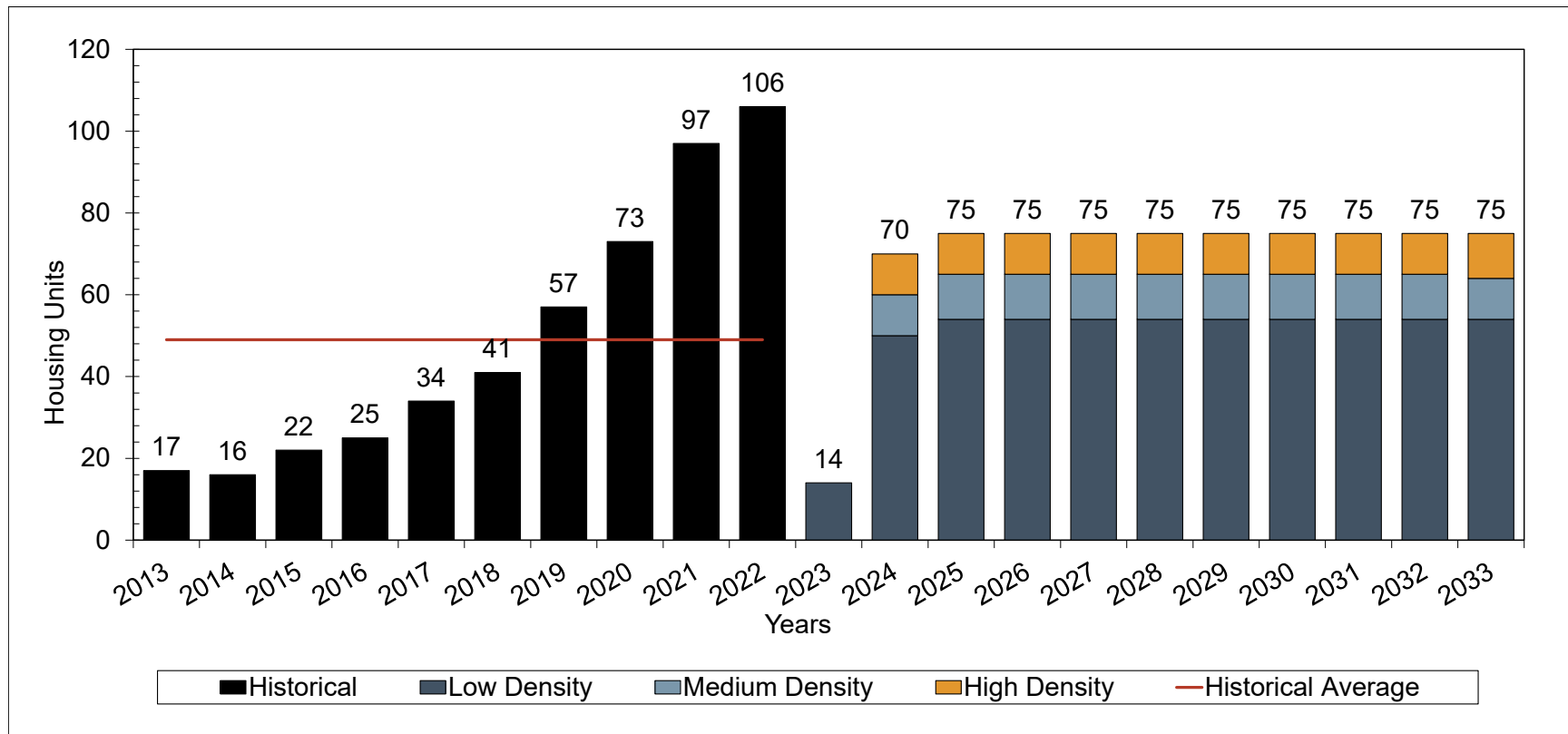
Notes:

Numbers may not add due to rounding.

Source: Watson & Associates Economists Ltd.



Figure 1
Township of Zorra
Annual Housing Forecast [1]



[1] Growth forecast represents calendar year.

Source: Historical housing activity derived from Township of Zorra 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 2
Township of Zorra
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 (Village of Thamesford)	2024 - 2034	400	91	85	576	1,505	-148	1,357	22	1,379
Urban Serviced Area (Village of Embro)	2024 - 2034	76	17	16	109	285	-49	236	4	240
Unserviced Urban Settlement Area and Remaining Rural Areas	2024 - 2034	60	0	0	60	178	-181	-3	0	-3
Township of Zorra	2024 - 2034	536	108	101	745	1,967	-378	1,590	26	1,616

[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
Township of Zorra
Current Year Growth Forecast
Mid-2021 to Mid-2024

		Population
Mid 2021 Population		8,628
Occupants of New Housing Units, Mid 2021 to Mid 2024	<i>Units (2)</i>	217
	<i>multiplied by P.P.U. (3)</i>	2.926
	<i>gross population increase</i>	635
Occupants of New Equivalent Institutional Units, Mid 2021 to Mid 2024	<i>Units</i>	2
	<i>multiplied by P.P.U. (3)</i>	1.100
	<i>gross population increase</i>	2
Decline in Housing Unit Occupancy, Mid 2021 to Mid 2024	<i>Units (4)</i>	3,155
	<i>multiplied by P.P.U. decline rate (5)</i>	-0.022
	<i>total decline in population</i>	-70
Population Estimate to Mid 2024		9,195
<i>Net Population Increase, Mid 2021 to Mid 2024</i>		567

- (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>	3.293	50%	1.639
<i>Multiples (6)</i>	2.570	50%	1.279
<i>Apartments (7)</i>	1.588	0%	0.007
Total		100%	2.926

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
Township of Zorra
10-Year Growth Forecast
Mid-2024 to Mid-2034**

		Population
Mid 2024 Population		9,195
Occupants of New Housing Units, Mid 2024 to Mid 2034	<i>Units (2)</i>	745
	<i>multiplied by P.P.U. (3)</i>	2,641
	<i>gross population increase</i>	1,967
Occupants of New Equivalent Institutional Units, Mid 2024 to Mid 2034	<i>Units</i>	24
	<i>multiplied by P.P.U. (3)</i>	1,100
	<i>gross population increase</i>	26
Decline in Housing Unit Occupancy, Mid 2024 to Mid 2034	<i>Units (4)</i>	3,372
	<i>multiplied by P.P.U. decline rate (5)</i>	-0.112
	<i>total decline in population</i>	-377
Population Estimate to Mid 2034		10,811
Net Population Increase, Mid 2024 to Mid 2034		1,616

(1) Mid 2024 Population based on:

2021 Population (8,628) + Mid 2021 to Mid 2024 estimated housing units to beginning of forecast period (217 x 2.926 = 635) + (2 x 1,100 = 2) + (3,155 x -0.022 = -70) = 9,195

(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>	2.960	72%	2.130
<i>Multiples (6)</i>	2.179	14%	0.316
<i>Apartments (7)</i>	1.439	14%	0.195
<i>one bedroom or less</i>	1.108		
<i>two bedrooms or more</i>	1.745		
Total		100%	2.641

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 (3,155 units) + Mid 2021 to Mid 2024 unit estimate (217) = 3,372 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
Township of Zorra
Historical Residential Building Permits
Years 2013 to 2022

Year	Residential Building Permits			
	Singles & Semi Detached	Multiples ^[1]	Apartments ^[2]	Total
2013	17	0	0	17
2014	16	0	0	16
2015	22	0	0	22
2016	25	0	0	25
2017	34	0	0	34
Sub-total	114	0	0	114
Average (2013 - 2017)	23	0	0	23
% Breakdown	100.0%	0.0%	0.0%	100.0%
2018	41	0	0	41
2019	57	0	0	57
2020	73	0	0	73
2021	29	67	1	97
2022	65	41	0	106
Sub-total	265	108	1	374
Average (2018 - 2022)	53	22	0	75
% Breakdown	70.9%	28.9%	0.3%	100.0%
2013 - 2022 Total	379	108	1	488
Average	38	11	0	49
% Breakdown	77.7%	22.1%	0.2%	100.0%

[1] Includes townhouses and apartments in duplexes.

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

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



Schedule 6a
Township of Zorra
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	-	-	-	3.536	-	3.318		
6-10	-	-	-	2.583	-	2.810		
11-15	-	-	-	3.125	-	2.905	3.011	2.960
16-20	-	-	-	3.111	-	3.045		
20-25	-	-	-	2.882	-	3.222		
25-35	-	-	-	2.833	-	3.143		
35+	-	-	1.871	2.715	3.857	2.695		
Total	-	-	1.888	2.803	4.051	2.793		

Age of Dwelling	Multiples ^[1]						15 Year Average	15 Year Average Adjusted ^[3]
	< 1 BR	1 BR	2 BR	3/4 BR	5+ BR	Total		
1-5	-	-	-	-	-	-		
6-10	-	-	-	-	-	-		
11-15	-	-	-	-	-	-		2.179
16-20	-	-	-	-	-	-		
20-25	-	-	-	-	-	-		
25-35	-	-	-	-	-	-		
35+	-	-	-	-	-	-		
Total	-	-	-	-	-	-		

Age of Dwelling	Apartments ^[2]						15 Year Average	15 Year Average Adjusted ^[3]
	< 1 BR	1 BR	2 BR	3/4 BR	5+ BR	Total		
1-5	-	-	-	-	-	-		
6-10	-	-	-	-	-	-		
11-15	-	-	-	-	-	-		1.439
16-20	-	-	-	-	-	-		
20-25	-	-	-	-	-	-		
25-35	-	-	-	-	-	-		
35+	-	-	-	-	-	1.385		
Total	-	-	-	-	-	1.375		

Age of Dwelling	All Density Types					
	< 1 BR	1 BR	2 BR	3/4 BR	5+ BR	Total
1-5	-	-	-	3.367	-	3.213
6-10	-	-	-	2.583	-	2.810
11-15	-	-	-	3.118	-	2.750
16-20	-	-	-	3.111	-	2.613
20-25	-	-	-	3.000	-	2.955
25-35	-	-	-	2.833	-	3.000
35+	-	1.294	1.892	2.712	3.857	2.650
Total	-	1.333	1.905	2.797	4.051	2.718

[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 6b
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]						15 Year Average	15 Year Average Adjusted ^[3]
	< 1 BR	1 BR	2 BR	3/4 BR	5+ BR	Total		
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]						15 Year Average	15 Year Average Adjusted ^[3]
	< 1 BR	1 BR	2 BR	3/4 BR	5+ BR	Total		
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

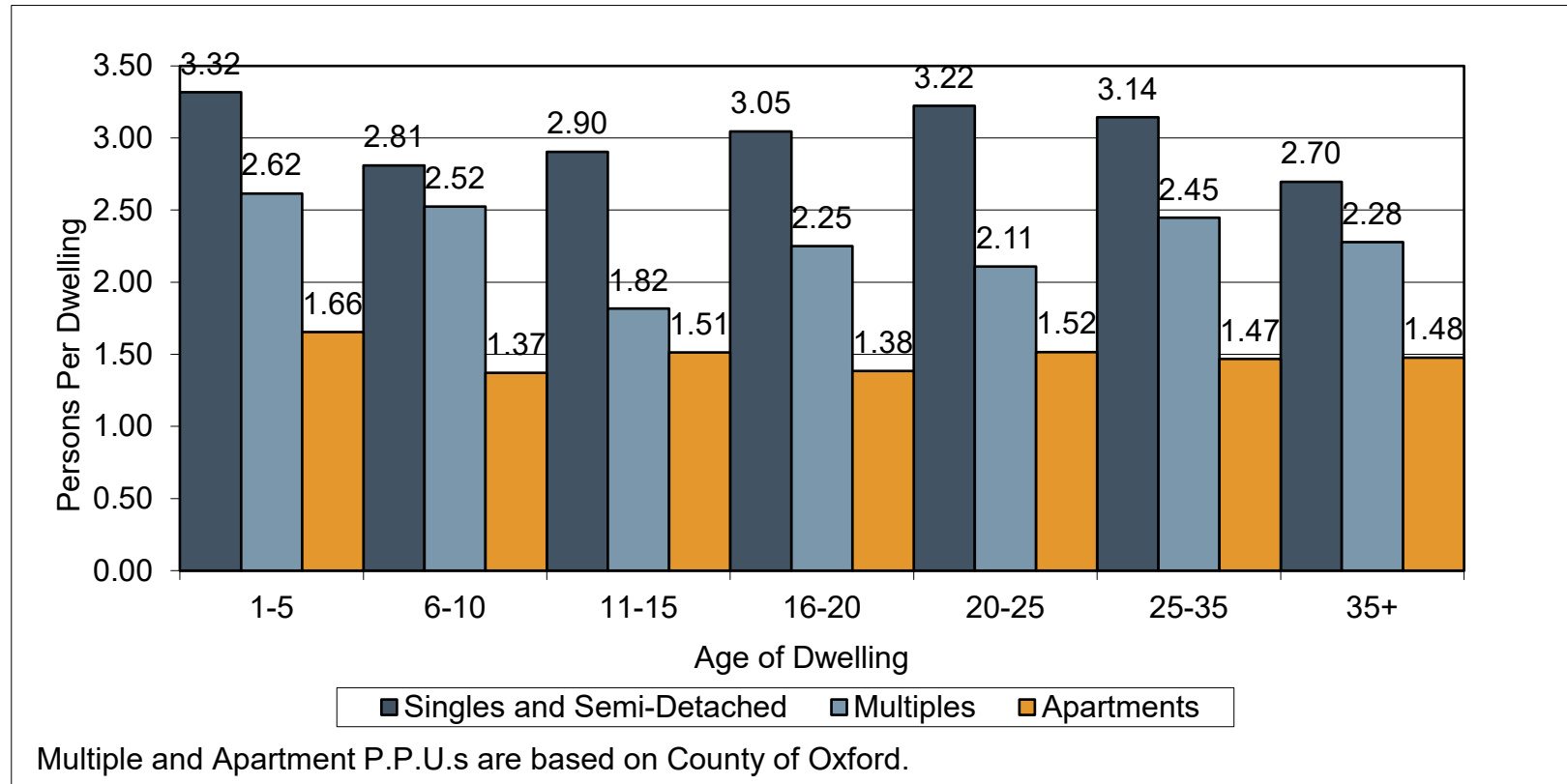
[3] Adjusted based on historical trends.

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
Township of Zorra
Person Per Unit Structural Type and Age of Dwelling
(2021 Census)





Schedule 8a Township of Zorra Employment Forecast, 2024 to 2034

Period	Population	Activity Rate								Employment								Employment
		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.)	Total (Excluding Work at Home and N.F.P.O.W.)
Mid 2011	8,058	0.048	0.117	0.106	0.045	0.028	0.344	0.035	0.379	385	945	853	363	225	2,770	282	3,052	1,825
Mid 2016	8,138	0.036	0.096	0.117	0.045	0.013	0.307	0.035	0.343	295	780	950	370	105	2,500	288	2,788	1,720
Mid 2024	9,195	0.032	0.098	0.097	0.043	0.013	0.283	0.038	0.322	295	905	890	395	121	2,606	351	2,957	1,701
Mid 2034	10,811	0.027	0.094	0.088	0.044	0.013	0.266	0.038	0.304	295	1,011	951	476	143	2,876	411	3,287	1,865
Incremental Change																		
Mid 2011 - Mid 2016	80	-0.012	-0.021	0.011	0.000	-0.015	-0.037	0.000	-0.036	-90	-165	98	8	-120	-270	6	-264	-105
Mid 2016 - Mid 2024	1,057	-0.004	0.003	-0.020	-0.003	0.000	-0.024	0.003	-0.021	0	125	-60	25	16	106	63	169	-19
Mid 2024 - Mid 2034	1,616	-0.005	-0.005	-0.009	0.001	0.000	-0.017	0.000	-0.017	0	106	61	81	22	270	60	330	164
Annual Average																		
Mid 2011 - Mid 2016	16	-0.002	-0.004	0.002	0.000	-0.003	-0.007	0.000	-0.007	-18	-33	20	2	-24	-54	1	-53	-21
Mid 2016 - Mid 2024	211	-0.001	0.001	-0.004	-0.001	0.000	-0.005	0.001	-0.004	0	25	-12	5	3	21	13	34	-4
Mid 2024 - Mid 2034	162	0.000	0.000	-0.001	0.000	0.000	-0.002	0.000	-0.002	0	11	6	8	2	27	6	33	16

^[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
Township of Zorra
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	Institutional ^[2]	Total	Industrial	Commercial	Institutional ^[2]	Total
Mid 2011	8,058	385	853	363	225	1,825				
Mid 2016	8,138	295	950	370	105	1,720				
Mid 2024	9,195	295	890	395	121	1,701				
Mid 2034	10,811	295	951	476	137	1,859				
Incremental Change										
Mid 2011 - Mid 2016	80	-90	98	8	-120	-105				
Mid 2016 - Mid 2024	1,057	0	-60	25	16	-19				
Mid 2024 - Mid 2034	1,616	0	61	81	16	158	109,400	42,700	11,100	163,200
Annual Average										
Mid 2011 - Mid 2016	16	-18	20	2	-24	-21				
Mid 2016 - Mid 2024	211	0	-12	5	3	-4				
Mid 2024 - Mid 2034	162	0	6	8	2	16	10,940	4,270	1,110	16,320

^[1] Square Foot Per Employee Assumptions

Industrial	1,800
Commercial/Population-Related	525
Institutional	680

^[2] 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: Numbers may not add up precisely due to rounding.

Source: Watson & Associates Economists Ltd.



Schedule 8c
Township of Zorra
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 (Village of Thamesford)	2024 - 2034	-	36,200	10,200	46,400	84
Urban Serviced Area (Village of Embro)	2024 - 2034	99,000	2,100	-	101,100	59
Unserviced Urban Settlement Area and Remaining Rural Areas	2024 - 2034	10,400	4,300	900	15,600	15
Township of Zorra	2024 - 2034	109,400	42,700	11,100	163,200	158

^[1] Square Foot Per Employee Assumptions

Industrial	1,800
Commercial/Population-Related	525
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: Oxford County 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

Township of Zorra
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)
Gravel Roads	347	347	347	347	347	347	347	347	347	347	343	343	343	343	343	\$142,500
HCB - Rural	101	101	101	101	101	101	101	101	101	101	96	96	96	96	96	\$313,600
HCB - Semi Urban	10	10	10	10	10	10	10	10	10	10	9	9	9	9	9	\$462,500
LCB Rural & Semi Urban	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	\$271,500
HCB - Urban	7	7	7	7	7	7	7	7	7	7	17	17	17	17	17	\$462,500
Total	473	473	473	473	473	473	473	473	473	473	473	473	473	473	473	

Population	8,082	8,077	8,058	8,088	8,070	8,062	8,116	8,138	8,162	8,063	8,151	8,355	8,628	9,160	9,453
Per Capita Standard	0.0585	0.0585	0.0586	0.0584	0.0586	0.0586	0.0582	0.0581	0.0579	0.0586	0.0580	0.0566	0.0548	0.0516	0.0500

15 Year Average	2009-2023
Quantity Standard	0.0570
Quality Standard	\$194,004
Service Standard	\$11,058

D.C. Amount (before deductions)	10 Year
Forecast Population	1,616
\$ per Capita	\$11,058
Eligible Amount	\$17,870,051



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

Township of Zorra
Service Standard Calculation Sheet

Service: Services Related to a Highway - Bridges, Culverts & Structures
 Unit Measure: m2 of Bridges, Culverts & Structures

Description	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024 Value (\$/item)
Bridges	9,253	9,253	9,253	9,253	9,253	9,253	9,253	9,253	9,253	9,253	9,253	9,253	9,253	9,253	9,253	\$8,100
Culverts over 3m	2,023	2,023	2,023	2,023	2,023	2,023	2,023	2,023	2,023	2,023	2,023	2,023	2,023	2,023	2,023	\$5,800
Total	11,276	11,276	11,276	11,276	11,276	11,276	11,276	11,276	11,276	11,276	11,276	11,276	11,276	11,276	11,276	

Population	8,082	8,077	8,058	8,088	8,070	8,062	8,116	8,138	8,162	8,063	8,151	8,355	8,628	9,160	9,453
Per Capita Standard	1.3952	1.3961	1.3994	1.3942	1.3973	1.3987	1.3894	1.3856	1.3815	1.3985	1.3834	1.3496	1.3069	1.2310	1.1928

15 Year Average	2009-2023
Quantity Standard	1.3600
Quality Standard	\$7,687
Service Standard	\$10,454

D.C. Amount (before deductions)	10 Year
Forecast Population	1,616
\$ per Capita	\$10,454
Eligible Amount	\$16,894,424



Table B-3
Service Standard Calculation – Services Related to a Highway – Sidewalks and Active Transportation

Township of Zorra
Service Standard Calculation Sheet

Service: Services Related to a Highway - Sidewalks and Active Transportation
 Unit Measure: m2 of sidewalks

Description	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024 Value (\$/km)
Sidewalks (m2)	20,400	20,400	27,272	27,424	27,424	27,424	27,424	27,424	28,720	28,720	28,720	30,283	35,658	35,658	35,658	\$90
Total	20,400	20,400	27,272	27,424	27,424	27,424	27,424	27,424	28,720	28,720	28,720	30,283	35,658	35,658	35,658	

Population	8,082	8,077	8,058	8,088	8,070	8,062	8,116	8,138	8,162	8,063	8,151	8,355	8,628	9,160	9,453
Per Capita Standard	2.5241	2.5257	3.3845	3.3907	3.3983	3.4016	3.3790	3.3699	3.5188	3.5620	3.5235	3.6245	4.1328	3.8928	3.7721

15 Year Average	2009-2023
Quantity Standard	3.4267
Quality Standard	\$90
Service Standard	\$308

D.C. Amount (before deductions)	10 Year
Forecast Population	1,616
\$ per Capita	\$308
Eligible Amount	\$498,261



Table B-4
Service Standard Calculation – Services Related to a Highway – Streetlights

Township of Zorra
Service Standard Calculation Sheet

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

Description	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024 Value (\$/item)
Streetlights	543	543	543	543	543	543	543	543	543	543	543	547	595	595	595	\$2,074
Total	543	543	543	543	543	543	543	543	543	543	543	547	595	595	595	

Population	8,082	8,077	8,058	8,088	8,070	8,062	8,116	8,138	8,162	8,063	8,151	8,355	8,628	9,160	9,453
Per Capita Standard	0.0672	0.0672	0.0674	0.0671	0.0673	0.0674	0.0669	0.0667	0.0665	0.0673	0.0666	0.0655	0.0690	0.0650	0.0629

15 Year Average	2009-2023
Quantity Standard	0.0667
Quality Standard	\$2,074
Service Standard	\$138

D.C. Amount (before deductions)	10 Year
Forecast Population	1,616
\$ per Capita	\$138
Eligible Amount	\$223,541



Table B-5
Service Standard Calculation – Services Related to a Highway – Public Works – Vehicles & Equipment

Township of Zorra
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)
Pickup	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	\$67,000
Single Axle	2	2	2	2	2	2	2	2	2	2	2	1	1	1	1	\$400,600
Tandem - 2009 Sterling Tandem	5	5	5	5	5	5	5	5	5	5	6	7	7	7	7	\$391,400
Tri-Axle - 2011 International Tri-Axle			1	1	1	1	1	1	1	1	-	-	-	-	-	\$477,600
1991 GMC Tanker (water truck)								1	1	1	1	1	1	1	1	\$174,100
Backhoe	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	\$206,000
Loader - 2012 John Deere Loader	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	\$566,500
Sweeper - Hydraulic Sweeper	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	\$25,800
Grader	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	\$391,400
Gravel Retriever	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	\$17,200
Salt Spreader						1	1	2	2	2	2	2	2	2	2	\$10,600
Eliminators - 2008 Eliminators	5	5	5	5	5	5	5	5	5	5	5	5	5	5	6	\$24,200
Pot Hole Patcher - Pavement Edgers		1	1	2	2	2	2	2	2	2	2	2	2	2	2	\$11,600
Tractor - 1977 Massey Tractor	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	\$18,700
Tractor - 2015 Case Maxxem 125 MC	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	\$322,800
Tractor - 2020 John Deere Tractor 5410	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	\$169,500
Tractor - 2017 John Deere Tractor									1	1	1	1	1	1	1	\$92,700
Mower	2	2	2	2	2	2	2	2	3	2	2	2	2	2	2	\$30,900
Mower - 2017 JD Mower/Blades/Blower									1	1	1	1	1	1	1	\$41,100
Chipper - 2009 Vermeer Brush Chipper	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	\$77,300
Total	34	35	36	37	37	38	38	41	44	43	43	43	43	43	44	

Population	8,082	8,077	8,058	8,088	8,070	8,062	8,116	8,138	8,162	8,063	8,151	8,355	8,628	9,160	9,453
Per Capita Standard	0.0042	0.0043	0.0045	0.0046	0.0046	0.0047	0.0047	0.0050	0.0054	0.0053	0.0053	0.0051	0.0050	0.0047	0.0047

15 Year Average	2009-2023
Quantity Standard	0.0048
Quality Standard	\$196,317
Service Standard	\$942

D.C. Amount (before deductions)	10 Year
Forecast Population	1,616
\$ per Capita	\$942
Eligible Amount	\$1,522,789



Table B-6
Service Standard Calculation – Services Related to a Highway – Public Works – Facilities

Township of Zorra
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.
Kintore Public Works Yard																	
Roads Shop	7,539	7,539	7,539	7,539	7,539	7,539	7,539	7,539	7,539	7,539	7,539	7,539	7,539	7,539	7,539	\$280	\$312
Salt & Sand Building	2,240	2,240	2,240	2,240	2,240	2,240	2,240	2,240	2,240	2,240	2,240	2,240	2,240	2,240		\$280	\$312
Embro Public Works Yard																	
Old Embro Shop	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000		\$280	\$312
Roads Shop	6,258	6,258	6,258	6,258	6,258	6,258	6,258	6,258	6,258	6,258	6,258	6,258	6,258	6,258		\$280	\$312
Salt & Sand Building	2,240	2,240	2,240	2,240	2,240	2,240	2,240	2,240	2,240	2,240	2,240	2,240	2,240	2,240		\$280	\$312
Robinson Gravel Pit (Total acres)	91.42	91.42	91.42	91.42	91.42	91.42	91.42	91.42	91.42	91.42	91.42	91.42	91.42	91.42	91.42	\$24,016	\$24,016
New Kintore Shop															35,446	\$196	\$220
New Kintore Sand/Salt Storage															17,460	\$196	\$220
Total	20,368	20,368	20,368	20,368	20,368	20,368	20,368	20,368	20,368	20,368	20,368	20,368	20,368	20,368	60,536		

Population	8,082	8,077	8,058	8,088	8,070	8,062	8,116	8,138	8,162	8,063	8,151	8,355	8,628	9,160	9,453
Per Capita Standard	2.5202	2.5218	2.5277	2.5184	2.5240	2.5265	2.5097	2.5029	2.4955	2.5262	2.4989	2.4379	2.3607	2.2236	6.4039

15 Year Average	2009-2023
Quantity Standard	2.7399
Quality Standard	\$395
Service Standard	\$1,082

D.C. Amount (before deductions)	10 Year
Forecast Population	1,616
\$ per Capita	\$1,082
Eligible Amount	\$1,748,286



**Table B-7
Service Standard Calculation – Fire Protection Services – Facilities**

**Township of Zorra
Service Standard Calculation Sheet**

Service: Fire Protection 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.
Fire Station 1 - Thamesford	2,146	2,146	2,146	2,146	2,146	2,146	2,146	9,574	9,574	9,574	9,574	9,574	9,574	9,574	9,574	\$464	\$540
Fire Station 2 - Embro	1,589	1,589	1,589	1,589	1,589	1,589	1,589	1,589	1,589	1,589	1,589	1,589	1,589	1,589	1,589	\$464	\$540
Fire Station 3 - Uniondale	2,387	2,387	2,387	2,387	2,387	2,387	2,387	2,387	2,387	2,387	2,387	2,387	2,387	2,387	2,387	\$464	\$540
Total	6,122	6,122	6,122	6,122	6,122	6,122	6,122	13,550	13,550	13,550	13,550	13,550	13,550	13,550	13,550		

Population	8,082	8,077	8,058	8,088	8,070	8,062	8,116	8,138	8,162	8,063	8,151	8,355	8,628	9,160	9,453
Per Capita Standard	0.7575	0.7580	0.7597	0.7569	0.7586	0.7594	0.7543	1.6650	1.6601	1.6805	1.6624	1.6218	1.5705	1.4793	1.4334

15 Year Average	2009-2023
Quantity Standard	1.2052
Quality Standard	\$540
Service Standard	\$651

D.C. Amount (before deductions)	10 Year
Forecast Population	1,616
\$ per Capita	\$651
Eligible Amount	\$1,051,677



**Table B-8
Service Standard Calculation – Fire Protection Services – Vehicles & Equipment**

**Township of Zorra
Service Standard Calculation Sheet**

Service: Fire Protection Services - Vehicles & Equipment
Unit Measure: No. of vehicles

Description	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024 Value (\$/Vehicle)
Fire Station 1 - Thamesford																
Pumper	1	1	1	1	1	1	1	1	1	1	1	1	1	1		\$772,500
Pumper Rescue															1	\$1,030,000
Tanker	1	1	1	1	1	1	1									\$515,000
Pumper Tanker								1	1	1	1	1	1	1	1	\$824,000
Light Rescue	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	\$412,000
Fire Station 2 - Embro																
Pumper	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	\$772,500
Tanker	1	1	1	1	1	1	1	1	1	1	1	1				\$515,000
Pumper Tanker													1	1	1	\$824,000
Heavy Rescue	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	\$927,000
Fire Station 3 - Unionsdale																
Pumper	1	1	1	1	1	1	1	1	1	1	1	1	1			\$772,500
Pumper Rescue														1	1	\$772,500
Tanker	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	\$515,000
Fire Chief Pickup										1	1	1	1	1	1	\$61,800
Water Rescue Trailer															1	\$15,500
Inflatable Boat												1	1	1	1	\$7,700
Total	8	8	8	8	8	8	8	8	9	9	9	10	10	10	11	

Population	8,082	8,077	8,058	8,088	8,070	8,062	8,116	8,138	8,162	8,063	8,151	8,355	8,628	9,160	9,453
Per Capita Standard	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0011	0.0011	0.0011	0.0012	0.0012	0.0011	0.0012

15 Year Average	2009-2023
Quantity Standard	0.0011
Quality Standard	\$599,182
Service Standard	\$659

D.C. Amount (before deductions)	10 Year
Forecast Population	1,616
\$ per Capita	\$659
Eligible Amount	\$1,065,106



Table B-9
Service Standard Calculation – Fire Protection Services – Small Equipment & Gear

Township of Zorra
Service Standard Calculation Sheet

Service: Fire Protection Services - Small Equipment and Gear
 Unit Measure: No. of equipment and gear

Description	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024 Value (\$/item)
Bunker Gear	54	57	57	57	57	57	63	63	63	63	63	63	63	63	63	\$4,600
SCBA units	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	\$7,700
SCBA cylinders	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	\$1,500
SiloPack					1	2	2	2	2	2	2	2	2	2	2	\$1,500
RIT Cylinders					1	1	1	2	2	2	2	2	2	3	3	\$1,900
Extrication Tools	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	\$51,500
Therma Imaging Camera	2	2	2	2	2	2	2	3	3	3	3	3	3	3	3	\$12,900
Total	185	188	188	188	190	191	197	199	199	199	199	199	199	200	200	

Population	8,082	8,077	8,058	8,088	8,070	8,062	8,116	8,138	8,162	8,063	8,151	8,355	8,628	9,160	9,453
Per Capita Standard	0.0229	0.0233	0.0233	0.0232	0.0235	0.0237	0.0243	0.0245	0.0244	0.0247	0.0244	0.0238	0.0231	0.0218	0.0212

15 Year Average	2009-2023
Quantity Standard	0.0235
Quality Standard	\$4,523
Service Standard	\$106

D.C. Amount (before deductions)	10 Year
Forecast Population	1,616
\$ per Capita	\$106
Eligible Amount	\$171,781



Table B-10
Service Standard Calculation – Parks and Recreation Services – Parkland Amenities

Township of Zorra
Service Standard Calculation Sheet

Service: Parkland Amenities
 Unit Measure: No. of parkland amenities

Description	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024 Value (\$/item)
Soccer Fields	4	4	4	4	4	4	4	4	5	6	6	6	6	6	6	\$292,500
Ball Diamonds (Lit)	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	\$172,100
Ball Diamonds (Unlit)	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	\$143,400
Basketball Courts	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	\$146,300
Playgrounds	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	\$93,200
Leash Free Area	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	\$21,500
Beach Volleyball Courts	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	\$21,500
Thamesford Area Swimming Pool	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	\$2,151,000
Splash Pad/Skate Park										1	1	1	1	1	1	\$754,100
Embro Splash Pad														1	1	\$381,400
Total	21	21	21	21	21	21	21	21	22	24	24	24	24	25	25	

Population	8,082	8,077	8,058	8,088	8,070	8,062	8,116	8,138	8,162	8,063	8,151	8,355	8,628	9,160	9,453
Per Capita Standard	0.0026	0.0026	0.0026	0.0026	0.0026	0.0026	0.0026	0.0026	0.0027	0.0030	0.0029	0.0029	0.0028	0.0027	0.0026

15 Year Average	2009-2023
Quantity Standard	0.0027
Quality Standard	\$251,115
Service Standard	\$678

D.C. Amount (before deductions)	10 Year
Forecast Population	1,616
\$ per Capita	\$678
Eligible Amount	\$1,095,664



Table B-11
Service Standard Calculation – Parks and Recreation Services – Parkland Trails

Township of Zorra
Service Standard Calculation Sheet

Service: Parkland Trails
 Unit Measure: Linear Metres of Paths and Trails

Description	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024 Value (\$/ Linear Metre)
Lions River South Park	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400	\$240
Lions South Park	300	300	300	300	300	300	300	300	300	300	300	300	300	300	300	\$240
Boyd St to Middleton St in Thamesford												344	344	344	344	\$130
Total	700	700	700	700	700	700	700	700	700	700	700	1,044	1,044	1,044	1,044	

Population	8,082	8,077	8,058	8,088	8,070	8,062	8,116	8,138	8,162	8,063	8,151	8,355	8,628	9,160	9,453
Per Capita Standard	0.0866	0.0867	0.0869	0.0865	0.0867	0.0868	0.0862	0.0860	0.0858	0.0868	0.0859	0.1250	0.1210	0.1140	0.1105

15 Year Average	2009-2023
Quantity Standard	0.0948
Quality Standard	\$228
Service Standard	\$22

D.C. Amount (before deductions)	10 Year
Forecast Population	1,616
\$ per Capita	\$22
Eligible Amount	\$34,922



Table B-12
Service Standard Calculation – Parks and Recreation Services – Parks & Recreation Vehicles and Equipment

Township of Zorra
Service Standard Calculation Sheet

Service: Parks & Recreation Vehicles and 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)
Ice Resurfacer - Olympia Millennium	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	\$154,500
Pickup - 2010 Gmc Sierra Pickup	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	\$77,300
Pickup - 2007 Dodge Pickup	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	\$77,300
2016 Chev - Silverado								1	1	1	1	1	1	1	1	\$77,300
2019 RAM - Pickup											1	1	1	1	1	\$77,300
Pick-Up 2023 Dodge Big Horn															1	\$61,800
Embro Ball Diamond Groomer									1	1	1	1	1	1	1	\$6,200
Thamesford Ball Diamond Groomer										1	1	1	1	1	1	\$6,200
John Deere Tractor															1	\$103,000
Ford Tractor			1	1	1	1	1	1	1	1	1	1	1	1	1	\$92,700
Case Tractor										1	1	1	1	1	1	\$92,700
Lawn Roller											1	1	1	1	1	\$25,800
Tri-deck mower							1	1	1	1	1	1	1	1	1	\$30,900
Dump Trailer											1	1	1	1	1	\$10,300
Flatbed Trailer														1	1	\$10,300
Total	4	4	5	5	5	5	6	7	8	10	13	13	13	14	16	

Population	8,082	8,077	8,058	8,088	8,070	8,062	8,116	8,138	8,162	8,063	8,151	8,355	8,628	9,160	9,453
Per Capita Standard	0.0005	0.0005	0.0006	0.0006	0.0006	0.0006	0.0007	0.0009	0.0010	0.0012	0.0016	0.0016	0.0015	0.0015	0.0017

15 Year Average	2009-2023
Quantity Standard	0.0010
Quality Standard	\$83,200
Service Standard	\$83

D.C. Amount (before deductions)	10 Year
Forecast Population	1,616
\$ per Capita	\$83
Eligible Amount	\$134,451



Table B-13
Service Standard Calculation – Parks and Recreation Services – Recreation Facilities

Township of Zorra
Service Standard Calculation Sheet

Service: Recreation 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.
Embro Zorra Community Centre	34,949	47,617	47,617	47,617	47,617	41,617	41,617	47,617	47,617	47,617	47,617	47,617	47,617	47,617	47,617	\$430	\$478
Thamesford District Recreation Centre	30,617	30,617	30,617	30,617	30,617	30,617	30,617	30,617	30,617	30,617	30,617	30,617	30,617	30,617	30,617	\$430	\$478
Embro Townhall	2,456	2,456	2,456	2,456	2,456	2,456	2,456	2,456	2,456	2,456	2,456	2,456	2,456	2,456	2,456	\$430	\$478
Harrington Hall	2,143	2,143	2,143	2,143	2,143	2,143	2,143	2,143	2,143	2,143	2,143	2,143	2,143	2,143	2,143	\$430	\$478
Beaty Room	1,304	1,304	1,304	1,304	1,304	1,304	1,304	1,304	1,304	1,304	1,304	1,304	1,304	1,304	1,304	\$430	\$478
Total	71,469	84,137	84,137	84,137	84,137	78,137	78,137	84,137	84,137	84,137	84,137	84,137	84,137	84,137	84,137		

Population	8,082	8,077	8,058	8,088	8,070	8,062	8,116	8,138	8,162	8,063	8,151	8,355	8,628	9,160	9,453
Per Capita Standard	8.8430	10.4169	10.4414	10.4027	10.4259	9.6920	9.6275	10.3388	10.3084	10.4349	10.3223	10.0703	9.7516	9.1853	8.9006

15 Year Average	2009-2023
Quantity Standard	9.9441
Quality Standard	\$478
Service Standard	\$4,753

D.C. Amount (before deductions)	10 Year
Forecast Population	1,616
\$ per Capita	\$4,753
Eligible Amount	\$7,681,300



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	\$850.82	Anticipated Revenues	Annual Surplus/ (Deficit)	1% / 3% D.C. Reserve Fund Interest Earnings/ (Cost)	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 2024				
2024	363,819	58,149	58,149	654,144	199	850.82	169,569	(178,904)	925	(177,980)
2025	(177,980)	115,115	118,568	602,744	199	876.35	174,656	(724,636)	(13,539)	(738,175)
2026	(738,175)	6,370	6,758		199	902.64	179,896	(565,038)	(19,548)	(584,586)
2027	(584,586)	120,029	131,159		199	929.72	185,293	(530,452)	(16,726)	(547,178)
2028	(547,178)	215,670	242,738		199	957.61	190,851	(599,065)	(17,194)	(616,258)
2029	(616,258)	6,370	7,385		199	986.34	196,577	(427,066)	(15,650)	(442,716)
2030	(442,716)	6,370	7,606		199	1,015.93	202,474	(247,848)	(10,358)	(258,206)
2031	(258,206)	65,611	80,693		199	1,046.40	208,548	(130,351)	(5,828)	(136,179)
2032	(136,179)	223,678	283,349		199	1,077.80	214,805	(204,723)	(5,114)	(209,837)
2033	(209,837)	6,370	8,311		199	1,110.13	221,249	3,101	(3,101)	0
Total		823,732	944,717	1,256,887	1,993		1,943,918		-106,133	

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	\$11.061	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 2024			D.C. Reserve Fund Interest Earnings /(Cost)	
2024	35,982	5,751	5,751	64,696	1,516	11.061	16,771	(17,694)	91	(17,602)
2025	(17,602)	11,385	11,727	59,612	1,516	11.393	17,274	(71,667)	(1,339)	(73,006)
2026	(73,006)	630	668		1,516	11.735	17,792	(55,883)	(1,933)	(57,816)
2027	(57,816)	11,871	12,972		1,516	12.087	18,326	(52,462)	(1,654)	(54,116)
2028	(54,116)	21,330	24,007		1,516	12.449	18,875	(59,248)	(1,700)	(60,949)
2029	(60,949)	630	730		1,516	12.823	19,442	(42,237)	(1,548)	(43,785)
2030	(43,785)	630	752		1,516	13.208	20,025	(24,512)	(1,024)	(25,537)
2031	(25,537)	6,489	7,981		1,516	13.604	20,626	(12,892)	(576)	(13,468)
2032	(13,468)	22,122	28,023		1,516	14.012	21,244	(20,247)	(506)	(20,753)
2033	(20,753)	630	822		1,516	14.432	21,882	307	(307)	(0)
Total		81,468	93,434	124,308	15,162		192,256		-10,497	

Note: Numbers may not add due to rounding



**Table C-3
Cash Flow Calculation – Fire Protection Services – Residential**

Year	D.C. Reserve Fund Opening Balance	Development Related Expenditures	Development Related Expenditures	Development Related Long-Term Debt	Population Growth	\$602.12	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 2024			D.C. Reserve Fund Interest Earnings/ (Cost)	
2024	64,679	125,944	125,944		199	602.12	120,002	58,738	617	59,355
2025	59,355	125,944	129,722		199	620.18	123,602	53,235	563	53,798
2026	53,798	125,944	133,614		199	638.79	127,310	47,494	506	48,001
2027	48,001	125,944	137,622		199	657.95	131,130	41,508	448	41,955
2028	41,955	125,944	141,751		199	677.69	135,064	35,268	386	35,654
2029	35,654	125,944	146,004		199	698.02	139,116	28,766	322	29,088
2030	29,088	125,944	150,384		199	718.96	143,289	21,994	255	22,249
2031	22,249	125,944	154,895		199	740.53	147,588	14,941	186	15,127
2032	15,127	125,944	159,542		199	762.75	152,015	7,601	114	7,714
2033	7,714	125,944	164,328		199	785.63	156,576	(38)	38	0
Total		1,259,440	1,443,807	0	1,993		1,375,692		3,436	

Note: Numbers may not add due to rounding



**Table C-4
Cash Flow Calculation – Fire Protection 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	\$7.828	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 2024			D.C. Reserve Fund Interest Earnings /(Cost)	
2024	6,397	12,456	12,456		1,516	7.828	11,868	5,809	61	5,870
2025	5,870	12,456	12,830		1,516	8.063	12,224	5,265	56	5,321
2026	5,321	12,456	13,215		1,516	8.305	12,591	4,697	50	4,747
2027	4,747	12,456	13,611		1,516	8.554	12,969	4,105	44	4,149
2028	4,149	12,456	14,019		1,516	8.810	13,358	3,488	38	3,526
2029	3,526	12,456	14,440		1,516	9.075	13,759	2,845	32	2,877
2030	2,877	12,456	14,873		1,516	9.347	14,171	2,175	25	2,200
2031	2,200	12,456	15,319		1,516	9.627	14,597	1,478	18	1,496
2032	1,496	12,456	15,779		1,516	9.916	15,034	752	11	763
2033	763	12,456	16,252		1,516	10.214	15,486	(4)	4	(0)
Total		124,560	142,794	0	15,162		136,057		340	

Note: Numbers may not add due to rounding



Table C-5
Cash Flow Calculation – Parks and Recreation Services – Residential

Year	D.C. Reserve Fund Opening Balance	Development Related Expenditures	Development Related Expenditures	Development Related Long-Term Debt	Population Growth	\$1,527.44	Anticipated Revenues	Annual Surplus/ (Deficit)	1% / 3% D.C. Reserve Fund Interest Earnings/ (Cost)	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 2024				
2024	375,483	117,458	117,458		199	1,527.44	304,418	562,444	4,690	567,133
2025	567,133	1,389,888	1,431,585		199	1,573.26	313,551	(550,901)	81	(550,819)
2026	(550,819)	1,362,718	1,445,708		199	1,620.46	322,957	(1,673,569)	(33,366)	(1,706,935)
2027	(1,706,935)	97,413	106,446		199	1,669.07	332,646	(1,480,735)	(47,815)	(1,528,550)
2028	(1,528,550)	90,288	101,620		199	1,719.14	342,626	(1,287,544)	(42,241)	(1,329,786)
2029	(1,329,786)	73,891	85,660		199	1,770.72	352,904	(1,062,541)	(35,885)	(1,098,426)
2030	(1,098,426)	71,041	84,827		199	1,823.84	363,491	(819,761)	(28,773)	(848,534)
2031	(848,534)	71,041	87,371		199	1,878.56	374,396	(561,510)	(21,151)	(582,660)
2032	(582,660)	71,041	89,993		199	1,934.91	385,628	(287,025)	(13,045)	(300,070)
2033	(300,070)	71,041	92,692		199	1,992.96	397,197	4,435	(4,435)	0
Total		3,415,820	3,643,359	0	1,993		3,489,815		-221,940	

Note: Numbers may not add due to rounding



Table C-6
Cash Flow Calculation – Parks and Recreation 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	\$10.567	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 2024			D.C. Reserve Fund Interest Earnings /(Cost)	
2024	19,762	6,182	6,182		1,516	10.567	16,022	29,602	247	29,849
2025	29,849	73,152	75,347		1,516	10.884	16,503	(28,995)	4	(28,990)
2026	(28,990)	71,722	76,090		1,516	11.211	16,998	(88,083)	(1,756)	(89,839)
2027	(89,839)	5,127	5,602		1,516	11.547	17,508	(77,933)	(2,517)	(80,450)
2028	(80,450)	4,752	5,348		1,516	11.894	18,033	(67,765)	(2,223)	(69,989)
2029	(69,989)	3,889	4,508		1,516	12.250	18,574	(55,923)	(1,889)	(57,812)
2030	(57,812)	3,739	4,465		1,516	12.618	19,131	(43,145)	(1,514)	(44,660)
2031	(44,660)	3,739	4,598		1,516	12.997	19,705	(29,553)	(1,113)	(30,666)
2032	(30,666)	3,739	4,736		1,516	13.386	20,296	(15,107)	(687)	(15,793)
2033	(15,793)	3,739	4,879		1,516	13.788	20,905	233	(233)	(0)
Total		179,780	191,756	0	15,162		183,674		-11,681	

Note: Numbers may not add due to rounding



**Table C-7
Cash Flow Calculation – Growth-Related Studies – Residential**

Year	D.C. Reserve Fund Opening Balance	Development Related Expenditures	Development Related Expenditures	Development Related Long-Term Debt	Population Growth	\$4.18	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 2024			D.C. Reserve Fund Interest Earnings/ (Cost)	
2024	60,393	-	-		199	4.18	834	61,227	608	61,835
2025	61,835	-	-		199	4.31	859	62,693	623	63,316
2026	63,316	-	-		199	4.44	884	64,200	638	64,838
2027	64,838	-	-		199	4.57	911	65,749	653	66,402
2028	66,402	30,692	34,544		199	4.71	938	32,796	496	33,291
2029	33,291	-	-		199	4.85	966	34,258	338	34,596
2030	34,596	-	-		199	4.99	995	35,591	351	35,942
2031	35,942	-	-		199	5.14	1,025	36,967	365	37,331
2032	37,331	-	-		199	5.30	1,056	38,387	379	38,766
2033	38,766	30,692	40,046		199	5.46	1,088	(193)	193	(0)
Total		61,384	74,590	0	1,993		9,555		4,642	

Note: Numbers may not add due to rounding



**Table C-8
Cash Flow Calculation – Growth-Related Studies – 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	\$0.041	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 2024			D.C. Reserve Fund Interest Earnings /(Cost)	
2024	4,541	-	-	-	1,516	0.041	63	4,604	46	4,650
2025	4,650	-	-	-	1,516	0.043	65	4,714	47	4,761
2026	4,761	-	-	-	1,516	0.044	66	4,828	48	4,876
2027	4,876	-	-	-	1,516	0.045	68	4,944	49	4,993
2028	4,993	2,308	2,598	-	1,516	0.047	71	2,466	37	2,503
2029	2,503	-	-	-	1,516	0.048	73	2,576	25	2,601
2030	2,601	-	-	-	1,516	0.049	75	2,676	26	2,703
2031	2,703	-	-	-	1,516	0.051	77	2,780	27	2,807
2032	2,807	-	-	-	1,516	0.052	79	2,887	28	2,915
2033	2,915	2,308	3,011	-	1,516	0.054	82	(15)	15	(0)
Total		4,616	5,609	0	15,162		719		349	

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 Township'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	90,500	46,481	136,982
2.	Fire Protection Services	60,339	87,047	147,386
3.	Parks and Recreation Services	131,928	126,157	258,085
Total		282,767	259,686	542,453



Appendix E

Local Service Policy



Appendix E: Local Service Policy

1. Roads and Related Services

1.1. Collector Roads

- The local component of a collector road internal to a development is a direct developer responsibility under s.59 of the D.C.A. as a local service. The oversized share of a collector road internal to a development is D.C. recoverable.
- Collector roads external to a development that are within the area referred to within the development agreement area a local service and a direct developer responsibility under s.59 of the D.C.A. If the works are not within the area referred to within the development agreement, the works are included in the D.C. calculation to the extent permitted under s.5(1) of the D.C.A.

1.2. Arterial Roads

- New arterial roads and arterial road improvements are included as part of road costing funded through D.C.s. Only the oversized component would be recovered through D.C.s and local road equivalent costs are considered to be a local service and a direct developer responsibility under s.59 of the D.C.A.

1.3. Local Roads

- Local roads, as defined by the Oxford County Design Guidelines & Specifications, are local services and a direct developer responsibility under s.59 of the D.C.A.

1.4. Subdivision/Site Entrances and Related

- Entrances and all related costs (including, but not limited to: signalization, turn lanes, utilities and extensions, etc.), no matter the class of road, are a local service and a direct developer responsibility under s.59 of the D.C.A.

1.5. Streetlights

- Streetlights internal to a development or site are a direct developer responsibility under s.59 of the D.C.A.



- Streetlights external to a development but related to the subject lands are a direct developer responsibility under s.59 of the D.C.A.
- New streetlights in other areas related to development may be included in the D.C. calculation to the extent permitted under S. 5(1) of the D.C.A.

1.6. Sidewalks

- Sidewalks internal to a development or site are a direct developer responsibility under s.59 of the D.C.A.
- Sidewalks external to a development but required and related to the subject lands are a direct developer responsibility under s.59 of the D.C.A
- New sidewalks in other areas related to development are included in the D.C. calculation to the extent permitted under s.5(1) of the D.C.A.

1.7. Bike Routes/Bike Lanes/Bike Paths/Multi-Use Trails/Naturalized Walkways

- Bike or transit lanes, where requested, internal to a development or site are a direct developer responsibility under s.59 of the D.C.A
- Bike or transit lanes external to a development but required and related to the subject lands are a direct developer responsibility under s.59 of the D.C.A
- New bike or transit lanes in other areas related to development are included in the D.C. calculation to the extent permitted under s.5(1) of the D.C.A.

1.8. Noise Abatement Measures

- Noise abatement measures internal to a development are a direct developer responsibility under s.59 of the D.C.A
- Noise abatement measures external to a development but required as identified in a noise study, and related to, or mitigate impacts from, the development of the subject lands, are a direct developer responsibility under s.59 of the D.C.A

1.9. Street Tree Planting

- Street tree planting, is considered a local area service and a direct developer responsibility under s.59 of the D.C.A

1.10. Land Acquisition for Road Allowances



- Land acquisition for planned road allowances within development lands is a dedication requirement to the municipality under the *Planning Act* provisions.
- Land acquisition for planned road allowances outside of development lands, and that is not a dedication requirement to the municipality under the *Planning Act*, is included in the D.C. calculation to the extent permitted under s.5(1) of the D.C.A.
- Additional land acquisition for bridges or grade separations beyond normal dedication requirements are included in the D.C. calculation to the extent permitted under s.5(1) of the D.C.A.

1.11. County Roads

- All improvements to a County road (which may be classified as a Collector or Arterial Roads) to facilitate development are a local service and a direct developer responsibility under s.59 of the D.C.A. unless they fall into one of the following categories:
 - The improvement is designated as required by a traffic impact study for traffic flow improvement for an area greater than the development, is defined as a road improvement required by the County, and is identified through the Class Environmental Assessment process or the County Transportation Master Plan. Such an improvement would be included in the DC calculation to the extent permitted under s. 5(1) of the D.C.A.
 - The improvement is designated as required by County staff to serve a greater area than the development and is identified in the 10-year Capital Plan and is included in the D.C. calculation to the extent permitted under s. 5(1) of the D.C.A.

2. Water Services

2.1 Supply, Storage and Treatment Facilities

- All growth-related water supply, storage, and treatment facilities will be included in the DC calculation to the extent permitted under Subsection 5(1) of the D.C.A., unless specifically noted otherwise in the D.C. Background Study.

2.2 Booster Pumping Stations

- Local booster pumping stations serving a small, localized area (which may include more than one development property) are local services and a direct



funding responsibility of the developer under Section 59 of the D.C.A. shared on a flow area or proportional basis. Local booster pumping stations will not be included in the list of projects in the DC Background Study and therefore not eligible for D.C. funding or credits.

- Any oversizing costs for other developers on a local booster pumping station will be negotiated as part of the development agreement for the primary developer.
- Major booster pumping stations serving more than one development property are to be included in the D.C. calculation to the extent permitted under Subsection 5(1) of the DCA. These services will be identified through a Class Environmental Assessment, Servicing Study or Master Plan.

2.3 Watermains

- Watermains 250mm and under are deemed to be a local service and are a direct funding responsibility of the developer under Section 59 of the D.C.A.
- Watermains within the development that are larger than 250mm are to be included in the D.C. calculation to the extent permitted under Subsection 5(1) of the D.C.A. The amount of cost contribution for watermains within a development shall be calculated using tendered unit prices and shall be the difference between the cost of the actual pipe diameter and the cost of a 250mm pipe diameter plus a 10% engineering fee. Only watermain and valves will be included in the calculation. Any costs related to the depth of pipe are the responsibility of the developer.
- Connections to trunk watermains are a direct developer responsibility under Section 59 of the D.C.A. Watermains will generally be required to be carried to a property line or external to the development area to connect to an existing watermain as a local service as a direct funding responsibility of the developer under Section 59 of the D.C.A..
- Trunk watermains, generally outside the development area, identified by a Class Environmental Assessment, Servicing Study or Master Plan will be included in
- the D.C. calculation to the extent permitted under Subsection 5(1) of the D.C.A.

3. Wastewater Services

3.1 Treatment Facilities



- All sanitary sewage treatment facilities are to be included in the D.C. calculation to the extent permitted under Subsection 5(1) of the D.C.A., unless specified otherwise in the DC Background Study.

3.2 Sewage Pumping Stations

- Local sewage pumping stations serving a small localized area (which may include more than one development property) are local services and a direct funding responsibility of the developer under Section 59 of the D.C.A. on a flow area or proportional basis. Local sewage pumping stations will not be included in the list of projects in the DC Background Study and therefore not eligible for D.C. funding or credits.
- Any oversizing costs for other developers on a local sewage pumping station will be negotiated as part of the development agreement for the particular developer.
- Major sewage pumping stations serving more than one development property are to be included in the D.C. calculation to the extent permitted under Subsection 5(1) of the D.C.A. These services will be identified through a Class Environmental Assessment, Servicing Study or Master Plan.

3.3 Collectors

- Sanitary trunk sewers and forcemains, external to the development, are to be included in the D.C. calculation to the extent permitted under Subsection 5(1) of the D.C.A. These services will be identified through a Class Environmental assessment, Servicing Study or Master Plan.
- Sewer collectors and forcemains 250mm and under are deemed to be a local service and a direct funding responsibility of the developer under Section 59 of the D.C.A.
- Sanitary sewers and forcemains larger than 250mm that also service upstream properties will have cost sharing calculated on the tendered unit prices and shall be the difference between the cost of the actual pipe diameter and the cost of a 250mm pipe plus a 10% engineering fee. All other appurtenances with respect to oversizing and any costs related to the depth of pipe are the responsibility of the developer under Section 59 of the D.C.A.
- Connections to collectors and forcemains to service specific areas are deemed to be a local service and a direct developer responsibility under Section 59 of the D.C.A.. The cost of continuing the last run of a sewer upstream past the last



manhole to property line is the responsibility of the developer as a local service under Section 59 of the DCA.

4. **Stormwater Management Services**

- The costs of stormwater management facilities (SWM) internal to the development area and related to a plan of subdivision are considered to be a local service and a direct developer responsibility under Section 59 of the D.C.A. Local SWM facilities would typically include:
 - Stormwater management facilities servicing local drainage areas;
 - Storm sewer oversizing associated with local drainage areas; and
 - Storm sewer works on existing roads.
- New stormwater facilities in other areas, which may or may not be associated with D.C. eligible road infrastructure, may be included in the D.C. calculation to the extent permitted under Subsection 5(1) of the D.C.A.
- Master drainage planning studies or similar non-development specific studies may be included in the DC calculation to the extent permitted under Subsection 5(1) of the D.C.A.

5. **Parkland Development**

- For the purpose of parkland development, local services include the requirement for the developer to undertake preparation of the park plan, retaining necessary consultants to prepare design and grading plans for the park, prior to development. In addition, the owner is required to provide stripping and stockpiling, leveling, topsoiling, seeding and stormwater servicing including all appurtenances (consistent with the plan), fencing the property perimeter, and provide municipal water and wastewater services to the lot line.
- These requirements are part of the conditions of Section 51 and 53 *Planning Act* agreements. The Area Municipality also requires the owner to dedicate parkland or provide cash-in-lieu, consistent with the Planning Act provisions. All of these costs are deemed a direct responsibility of the developer and have not been included in the D.C. calculation.
- With respect to other parkland development costs, the Area Municipalities' policy includes all other components of parkland development in the DC calculation, including parking, park furniture, signage, landscaping and walkways and multi-



purpose trails, in addition to the necessary fields, diamonds, playground equipment, lighting, irrigation and field houses.



Appendix F

Proposed Development Charge By-law

Township of Zorra

By-Law No. XXXX-2024

A By-law to Establish Township-Wide Development Charges for the Township of Zorra

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 Township of Zorra hereinafter referred to as the “Township”, dated April 5, 2024 by Watson & Associates Economists Ltd., as amended on June 11, 2024, wherein it is indicated that the Development of any land within the Township 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 15, 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 5, 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 TOWNSHIP OF ZORRA 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 Township or a local board thereof directly or by others on behalf of, and as authorized by, the Township 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;
 - (ii) material acquired for circulation, reference or information purposes by a library board within the meaning of the *Public Libraries Act*; and
 - (iii) rolling stock with an estimated useful life of seven years or more;
 - (e) interest on money borrowed to pay for costs in (a) to (e);
 - (f) to undertake studies in connection with any matter under the Act and any of the matters in clauses (a) to (d) above, including the development charge background study

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

- (12) **“Council”** means the Council of the Township of Zorra;
- (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, Bunk Houses, and other Buildings or structures ancillary to that farming operation, but excludes:
- (a) 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 Township 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 Township 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 Township shall be imposed, calculated and collected in accordance with the rates set out in Schedules “B1”, “B2”, “B3” and “B4” relating to the Services set out in Schedule “A”.
- (2) 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”, “B2”, “B3” and “B4”, 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”, “B2”, “B3” and “B4”, further adjusted by section 13; and
 - (c) 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”, “B2”, “B3” and “B4”, further adjusted by section 13.

- (3) The Development Charge payable for Rental Housing developments will be reduced based on the number of bedrooms in each unit as follows:
 - (a) Three or more bedrooms – 25% reduction;
 - (b) Two bedrooms – 20% reductions; and
 - (c) All other bedroom quantities – 15% reduction.

3. **APPLICABLE LANDS**

- (1) Subject to the exceptions and exemptions described in the following subsections, this by-law applies to all lands in the Township, 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.
- (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) Private Schools as defined herein;
 - (c) Temporary Buildings or structures as defined herein;
 - (d) Affordable Housing as defined herein;
 - (e) Temporary Dwelling Units as defined herein;

- (f) Long-Term Care home, as defined herein;
- (g) 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.
- (h) Affordable residential units required pursuant to section 34 and 16(4) of the *Planning Act* (Inclusionary Zoning);
- (i) Affordable and attainable residential units as follows:
 - (i) As of the date on which section 4.1 of the Act is proclaimed into force, affordable residential units that meet the criteria set out in subsection 4.1 (2) or 4.1 (3) of the Act shall be exempt from Development Charges
 - (ii) As of the date on which subsection 4.1 (4) of the Act is proclaimed into force, attainable residential units that meet the

criteria set out in subsection 4.1 (4) of the Act shall be exempt from Development Charges

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 the prescribed amount of time of building permit issuance, the Development Charges under section 2 shall be calculated based on the rates set out in Schedules “B1”, “B2”, “B3” and “B4” 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”, “B2”, “B3” and “B4” on the date of the later planning application.
- (7) Interest for the purposes of subsections 5 (5) and 5 (6) shall be determined as the base rate plus 1 %, where:
 - (a) The base rate shall be equal to the average prime rate on:
 - (i) October 15 of the previous year, if the adjustment date is January 1,
 - (ii) January 15 of the same year, if the adjustment date is April 1,
 - (iii) April 15 of the same year, if the adjustment date is July 1, and
 - (iv) July 15 of the same year, if the adjustment date is October 1.
 - (b) The average prime rate, on a particular date means, the mean, rounded to the nearest hundredth of a percentage point, of the annual rates of interest announced by each of the Royal Bank of Canada, The Bank of Nova Scotia, the Canadian Imperial Bank of Commerce, the Bank of Montreal and The Toronto-Dominion Bank to be its prime or reference rate of interest in effect on that date for determining interest rates on Canadian dollar commercial loans by that bank in Canada.
- (8) For the purposes of subsection 5 (6), interest calculated under subsection 5 (7) shall not apply where the calculated charges calculated under subsection 5 (6) are the same as the charges that would be calculated under subsection 5 (3).

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 Township 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 Township 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 Township 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 Township and the Township'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 Township 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 Township 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 Township 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”, “B2”, “B3” and “B4” 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 Township 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 – Fire Protection Services
Schedule B3 – Schedule of Development Charges – Parks and Recreation Services
Schedule B4 – Schedule of Development Charges – Growth-Related Studies
- (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.

17. DATE BY-LAW EFFECTIVE

- (1) This by-law shall come into force and effect on June 19, 2024.

18. EXISTING BY-LAW REPEAL

- (1) By-law 32-19 as amended by By-law 18-21 is repealed on the date this by-law comes into effect.

19. **SHORT TITLE**

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

READ a first and second time this 19th day of June, 2024.

READ a third time and finally passed in Open Council this 19th day of June, 2024.

MAYOR

CLERK

SCHEDULE "A"

TO BY-LAW NO. XXXX-2024

DESIGNATED MUNICIPAL SERVICES UNDER THIS BY-LAW

- (1) Services Related to a Highway
- (2) Fire Protection Services
- (3) Parks and Recreation Services
- (4) Growth-Related Studies

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 Wind Turbine)
Services Related to a Highway	2,518	1,854	1,485	943	11.06	2,518

SCHEDULE "B2"
TO BY-LAW NO. XXXX-2024

SCHEDULE OF DEVELOPMENT CHARGES – FIRE 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 Wind Turbine)
Fire Protection Services	1,782	1,312	1,051	667	7.83	1,782

**SCHEDULE “B3”
TO BY-LAW NO. XXXX-2024**

SCHEDULE OF DEVELOPMENT CHARGES – PARKS AND RECREATION 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 Wind Turbine)
Parks and Recreation Services	4,521	3,328	2,666	1,692	10.57	-

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

SCHEDULE OF DEVELOPMENT CHARGES – GROWTH-RELATED STUDIES

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 Wind Turbine)
Growth-Related Studies	12	9	7	5	0.04	12