



Report: COR-FSD-19-11

Region of Waterloo

Corporate Services

Financial Services and Development Financing

To: Chair Sean Strickland and Members of the Administration and Finance Committee

Date: March 19, 2019

File Code: F27-50

Subject: 2018 Development Charge Transaction Report

Recommendation:

For Information

Summary:

The collection of development charges in the Region of Waterloo is governed by the Region's Development Charge (RDC) By-law 14-046 which came into effect on August 1, 2014. An amending By-law (16-053), that introduced a development charge for Waste Management and increased the rate for Transit came into effect on January 1, 2017. This report presents the annual summary of development charge transactions as required by the Development Charges Act. A copy will be made available on the Region's website.

Report:

Background

The "Development Charges Act, 1997" ("The DCA"), enables the Council of a municipality to, by by-law, impose development charges against land to pay for increased capital costs due to the increased need for services arising from development of the area to which the by-law applies. The collection of development charges in the Region of Waterloo is governed by the Region's Development Charge (RDC) By-law 14-046 which came into effect on August 1, 2014. RDC By-law 16-053, which amended the Transit charge and introduced a Waste Management charge, came into effect January 1st 2017.

Development charges are collected by the area municipalities on behalf of the Region at the time of issuance of a building permit. The funds are remitted to the Region on a monthly basis and allocated to reserve funds, which in turn are used to fund approved capital expansion projects in the following areas: Transportation, Airport, Water & Wastewater, Police, General Government (including Administration and Regional Growth Management Strategy), Operations/Facilities, Library, Transit, Paramedic Services, and effective January 1st, 2017, Waste Management.

The DCA requires the preparation of an Annual Report, the requirements of which include:

- Identify all assets whose capital costs were funded by DCs and, for each asset, identify costs which were funded by other sources
- Include a statement as to the municipality's compliance in not imposing directly or indirectly, a charge related to a development or requirement to construct a service related to development, except as permitted by the DCA or another Act
- The report must be available to the public
- The report must be submitted to the Ministry of Municipal Affairs if requested by the Minister

All of the above requirements will be met by the Region through this report.

Development Charge Reserve Fund Balances

The consolidated Regional Development Charge Reserve Fund (RDC Fund) started the year with a combined balance of \$45.4 million. Contributions to the RDC Fund from collections, community housing grants, interest and funded exemptions and discounts totaled \$57.7 million. Appropriations for capital projects, debt service and prior oversized project recoveries totaled \$66.3 million resulting in a 2018 closing balance of \$36.8 million. Although the position of the consolidated RDC fund remains positive, there are strong indications that current development charge collections and rates are not sufficient to fund the anticipated growth related capital investments. This will be addressed further in the Annual Adequacy of Regional Development Charge Collections Review report to be submitted to the Administration and Finance Committee in April, and in the RDC Bylaw review in the second quarter of 2019.

The continuity of each specific reserve fund is detailed in Appendix A. The continuity of the consolidated RDC Reserve Fund for all services for 2018, along with a comparison to 2017, is set out in the following table:

**Table 1
RDC Reserve Fund Continuity**

	<u>2017</u>	<u>2018</u>
Opening Balance	\$66,408,591	\$45,383,148
Add Contributions:		
Collections	53,724,564	51,158,349
Funding of Community Housing Grants	455,903	432,918
Exemptions/Discounts	5,545,184	10,261,596
Less: Unfunded Exemptions	(2,444,031)	(5,062,994)
Interest Earned	1,335,891	915,981
	58,617,511	57,705,849
Less Appropriations:		
To Fund Debt Servicing Costs	11,694,796	13,336,946
To Fund Capital Projects	64,399,528	49,395,565
Capital Component - Service Contract	300,000	300,000
Repayments To Regional Reserves *	3,248,630	3,248,630
	79,642,954	66,281,141
Closing Balance	\$45,383,148	\$36,807,856

*Repayments for projects originally funded from tax levy and user rate sources that are eligible for development charge funding.

To provide additional context and a historical comparison, the following table provides a four year continuity of total RDC reserve fund activities:

**Table 2
Four Year Continuity of RDC Reserve Fund**

(\$000)	2015	2016	2017	2018
Opening balance	\$66,269	\$52,327	\$66,409	\$45,383
Add: contributions	45,831	82,070	58,618	57,706
Less: appropriations	(59,773)	(67,989)	(79,643)	(66,281)
Closing balance	\$52,327	\$66,409	\$45,383	\$36,808

2018 Contributions to RDC Reserves

A) Collections

Development charge collections in 2018 totaled \$51.2 million, of which \$39.1 million was attributable to residential development and \$12.1 million was for non-residential development (see Appendix B). The 2018 collections were approximately 4% lower than the 2017 collections of \$53.7 million.

B) Funding of Community Housing Grants

Under the Region's Affordable Housing Strategy, certain projects are eligible for a Community Housing RDC Grant. Community Housing RDC Grants in 2018 totalled \$433,000. As prescribed by the DCA, grants to cover development charges cannot be funded from the Development Charge Reserve Fund and consequently must be funded from other sources, i.e. property taxes and user rates. The 2018 community housing RDC grants were funded from the Affordable Housing Development Reserve. As described in Report COR-TRY-19-10 Regional Development Charge Grants for Affordable Housing Projects and Habitat for Humanity dated January 29, 2019, community housing grants will be funded from Delivering Opportunities for Ontario Renters (DOOR) funding starting in 2019 until said funding is depleted.

C) Exemptions & Discounts

The DCA requires that any shortfall in development charge revenue resulting from discretionary development charge exemptions and discounts approved by Council be funded from sources other than higher charges on other development. The following exemptions are provided in the RDC By-law:

- 1) Downtown core exemption: In 2018, full downtown core exemptions existed in Kitchener and Cambridge. Development in the core area of the City of Waterloo received a 77% discount off the Transit RDC and 100% discount off the Waste Management DC. All Regional downtown core exemptions expired on February 28, 2019.
- 2) Remediated Brownfield Sites: an RDC exemption is provided in the amount of the eligible remediation costs to a maximum of the RDC payable.
- 3) Farming and public hospitals.
- 4) Since August 1, 2014 the Region has discounted the industrial RDC by 50% in order to encourage new industrial development.

The cost of development charge exemptions and discounts is financed from user rates and property taxes. Through report COR-FSD-17-33 dated November 22, 2017, Regional Council approved a strategy to fund downtown core area exemptions arising in 2017 and 2018 that were in excess of 2017 and 2018 budgets (and those arising in 2019 up to and including Feb. 28, 2019) over a 10 year period. This strategy was implemented to better align the timing of core area exemption funding with the actual development of the sites, to preserve the Region’s reserve balances and reduce overall financial risk to the Region while complying with the intention of the DCA. Accordingly, \$5.1 million of “unfunded” downtown core area exemptions in 2018 will be transferred to the development charge reserves at \$510,000 per year over the 2019-2028 timeframe.

Table 3 provides a summary of exemptions & discounts applied in 2018.

Table 3 – 2018 Exemptions & Discounts

	Downtown Core Exemptions	Brownfield Exemptions	Industrial Discounts	Total
Total Exemptions	\$7,118,242	\$65,244	\$3,078,111	\$10,261,597
Funded in 2018	\$2,055,248	\$65,244	\$3,078,111	\$5,198,603
Funded 2019-2027	\$5,062,994	\$0	\$0	\$5,062,994

A total of \$5.2 million of the exemption and discount costs were funded in 2018 with \$3.6 million coming from property taxes and \$1.6 million from user rates. The remaining \$5.1 million will be funded from property taxes and user rates over the 2019-2028 timeframe.

Table 4 provides a summary of downtown core exemptions over the 2017- 2019 period:

Table 4 – Downtown Core Area Exemptions (\$000’s)

	2017	2018	Up to Feb. 28, 2019	Total
Funded	\$1,331	\$2,055		\$3,386
Unfunded	\$2,444	\$5,063	\$33,005	\$40,512
Total	\$3,775	\$7,118	\$33,005	\$43,898

The total cost of downtown core exemptions based on permits issued in 2017, 2018 and up to February 28, 2019 (when the exemption expired) was \$43.9 million. This figure is at the low end of the estimated range provided to Council back in late 2017 when the funding strategy was approved. The “unfunded” component of these exemptions totals \$40.5 million and, per the approved strategy, will be transferred to the development charge reserves at a rate of \$4.05 million per year over the 2019-2028 timeframe.

2018 Development Charge Appropriations

A) To Fund Debt Servicing Costs

In 2018, appropriations to fund eligible growth-related debt servicing costs totaled \$13.3 million. The table below shows the amount of development charges used to fund debt servicing costs by service:

Service	\$ Million	Project Description
Wastewater	7.989	Wastewater Treatment Plant upgrades for Kitchener, Waterloo, Galt and Ayr. Influent channel twinning in Kitchener.
Transit	5.088	King Victoria Transit Hub, GRT Northfield Operations & Maintenance Facility, Fairview Mall terminal, Stage 1 LRT
Police	0.135	Property Acquisition
Paramedic	0.077	EMS Stations: HQ/North Fleet Centre, Breslau and Kitchener
Airport	0.047	Property Acquisition
Library	0.001	Library Headquarters Expansion
Total All Services	\$13.337	

B) To Fund Capital Projects

Appropriations to fund capital projects in 2018 totaled \$49.4 million with approximately 86% related to growth related projects in Transportation and Water Services. Appendix C provides a detailed list of the projects funded for each service area.

C) To Fund the Capital Component of Service Contracts

Service contracts in Waste Management have a growth related capital component that is eligible for development charge funding and accordingly \$300,000 is transferred from the Waste Management DC Reserve annually to offset a portion of the growth related capital component of the service contracts related to waste diversion activities.

D) Repayments To Regional Reserves

A total of \$3.2 million was transferred from the RDC Reserves for Water, Wastewater, Police, Paramedic Services and Waste Management to user rate (Water & Wastewater) and levy funded (all others) capital reserves. This represents a repayment from development charges for projects that were previously financed from tax levy and user rate sources and that qualify for RDC recoveries under RDC By-law 14-046 as amended.

Statement of Compliance:

As required by the DCA, the Regional Municipality of Waterloo has not imposed directly or indirectly, a charge related to a development or requirement to construct a service related to development, except as permitted by the DCA or another Act.

Corporate Strategic Plan:

This report supports strategic objectives found in the Corporate Strategic Plan, and particularly Focus Area 1.2 - Plan for and provide the infrastructure and services necessary to create the foundation for economic success.

Financial Implications:

Development charges are used to fund a portion of the cost of growth-related capital works. Existing RDC Fund balances along with future RDC revenues will be utilized to fund growth-related debt servicing costs and approved capital projects as set out in each year's capital budget. Staff will submit the Annual Adequacy of Regional Development Charge Collections Review report to the Administration and Finance Committee in April. The purpose of that report is to assist Council in determining the sufficiency of the development charge rates established under the current Development Charge By-law. Previous Adequacy Reports were submitted on October 27, 2015 (COR-FSD-15-17), April 12, 2016 (COR-FSD-16-10), April 4, 2017 (COR-FSD-17-09), and April 10, 2018 (COR-FSD-18-06)

Other Department Consultations/Concurrence: Nil

Attachments:

Appendix A – Reserve Fund Transactions by Service Category

Appendix B – Summary of Reserve Fund Transactions

Appendix C – Development Charge Appropriations to Fund Capital Projects

Prepared By: Erin Gray, Financial Analyst Transportation/RDC

Approved By: Craig Dyer, Commissioner, Corporate Services/Chief Financial Officer

APPENDIX A
The Regional Municipality of Waterloo
Regional Development Charges
2018 Reserve Fund Continuity

Fiscal Year 2018	Transportation	Airport	Water & Wastewater	Police	General Government	Operations	Library	Transit	Paramedic Services	Waste Management	Total Fund
Opening Balance 01-Jan-18	5,902,786	313,546	35,834,488	134,798	(1,956,651)	3,325,843	10,665	1,146,656	580,554	90,462	45,383,147
Contributions											
Collections	23,478,569	743,270	17,503,988	649,365	273,801	308,042	37,658	7,433,218	234,654	495,785	51,158,349
Exemptions/Discounts	3,910,758	306,785	3,235,211	129,967	81,089	95,715		2,351,551	71,026	79,494	10,261,596
Less: Unfunded Exemptions	(2,319,094)	(125,708)	(1,660,211)	(60,687)	(26,009)	(30,343)		(814,934)	(21,674)	(4,335)	(5,062,994)
Community Housing Grants	191,687	4,675	150,306	5,415	2,260	2,455		68,972	1,911	5,237	432,918
Interest Earned	142,954	14,392	668,384	(6,606)	(47,268)	77,548	652	48,041	14,185	3,699	915,981
	25,404,874	943,413	19,897,678	717,453	283,873	453,417	38,309	9,086,848	300,101	579,882	57,705,849
Appropriations											
Debt Service		47,273	7,989,058	134,659			1,077	5,087,786	77,095		13,336,946
Capital Projects	24,331,989	229,580	21,030,505	773,408	619,444	134,401		2,147,968		128,270	49,395,565
Capital Component - Service Contract										300,000	300,000
Repayments to Regional Reserves			2,466,802	672,821					109,007		3,248,630
	24,331,989	276,853	31,486,365	1,580,888	619,444	134,401	1,077	7,235,753	186,102	428,270	66,281,141
Closing Balance 31-Dec-18	6,975,671	980,106	24,245,801	(728,637)	(2,292,221)	3,644,859	47,898	2,997,752	694,553	242,074	36,807,856

*Repayments for projects originally funded from tax levy and user rate sources that are eligible for development charge funding

APPENDIX B

**The Regional Municipality of Waterloo
Regional Development Charges**

Summary of Reserve Fund Transactions

Fiscal Year 2018	Residential			Non-Residential			Total		
	Residential Collections	Exemptions/ Discounts	Total	Non-Residential Collections	Exemptions/ Discounts	Total	Total Collections	Exemptions / Discounts	Total
Opening Balance*									45,383,147
Collections:									
January	2,763,092	0	2,763,092	201,424	192,841	394,265	2,964,517	192,841	3,157,358
February	1,467,460	0	1,467,460	14,121	0	14,121	1,481,581	0	1,481,581
March	2,834,563	0	2,834,563	276,971	198,294	475,265	3,111,534	198,294	3,309,828
April	2,240,645	0	2,240,645	318,601	0	318,601	2,559,246	0	2,559,246
May	5,329,034	0	5,329,034	1,648,036	210,250	1,858,286	6,977,070	210,250	7,187,320
June	1,820,459	0	1,820,459	585,206	68,334	653,540	2,405,665	68,334	2,473,999
July	3,361,480	21,725	3,383,205	1,640,318	1,917,059	3,557,377	5,001,799	1,938,784	6,940,582
August	2,934,753	0	2,934,753	697,052	67,251	764,303	3,631,805	67,251	3,699,056
September	1,414,024	2,011	1,416,035	1,912,524	79,408	1,991,931	3,326,548	81,419	3,407,967
October	6,836,972	0	6,836,972	2,194,524	1,115,109	3,309,632	9,031,496	1,115,109	10,146,604
November	3,718,321	0	3,718,321	1,753,845	238,664	1,992,509	5,472,166	238,664	5,710,830
December	4,399,081	2,449,086	6,848,167	795,842	3,701,565	4,497,407	5,194,923	6,150,651	11,345,574
	39,119,885	2,472,822	41,592,707	12,038,464	7,788,774	19,827,238	51,158,349	10,261,596	61,419,945
Community Housing Grants	432,918		432,918						432,918
Interest Earned									915,981
Less Unfunded Exemptions									(5,062,994)
	39,552,803	2,472,822	42,025,625	12,038,464	7,788,774	19,827,238	51,158,349	10,261,596	57,705,849
Appropriations									
Debt Service									13,336,946
Capital Projects									49,395,565
Capital Component - Service Contract									300,000
Repayments To Regional Reserves									3,248,630
									66,281,141
Closing Balance									36,807,856
31-Dec-18									

APPENDIX C - 2018 Development Charge Appropriations to Fund Capital Projects

	Expenditures 2018	Funding From RDC Reserves	Funding From RDC Debentures	Funding From Other Reserves	Debentures	Other Sources of Funding*
TRANSPORTATION						
05110 Reg. Rd. 55 (Victoria St.), Hwy 7 Bridge St. to Edna St.(RR62)	1,489,096	1,489,096				
05284 Reg. Rds. 12 & 58, New Dundee Rd. At Fischer Hallman Rd (RR58).	571	571				
05334 Reg. Rd. 24 (Hespeler Road) At Railway North of Dundas St (RR8) Grade Separation	21,505	1,774		19,730		
05337 Reg. Rd. 8 (King St.), Eagle St. (RR39) to Fountain St. (RR8)	1,306,664	1,110,664		196,000		
05340 Reg. Rd. 69 (Manitou Dr.), Bleams Rd.(RR56) to Webster Rd	784,995	784,995				
05377 Reg. Rd. 4 (Ottawa St.), Pattandon Ave. to Imperial Dr.	882,222	174,432		707,790		
05389 Reg. Rd. 9 (Erb St.), 100M East Of Caroline St. (RR9) to Menno St.	1,372,803	1,166,883		205,921		
05393 Reg. Rd. 17 (Fountain St.), King St. (RR8) to Highway 401	13,099	2,678		10,420		
05416 Reg. Rd. 75 (St. Andrews St.), Cambridge Boundary. To Grand Ave. (RR76)	3,494,041	80,880		1,152,609		2,260,553
05420 Reg. Rd. 97 (Cedar St.), Osborne St. to Cambridge Boundary	524,235	74,891		449,344		
05495 Reg. Rd. 17 (Sawmill Rd), River St. to Snyders Flats Rd.	186,012	44,759		141,253		

	Expenditures 2018	Funding From RDC Reserves	Funding From RDC Debentures	Funding From Other Reserves	Debentures	Other Sources of Funding*
05603 Reg. Rd. 17 (Sawmill Rd.), King St. (RR8) to Waterloo/St. Jacobs tracks	146,185	23,021		123,163		
05752 Reg. Rd. 6 (Highland Rd. W) Highland Hills Mall Entrance to Ira Needles Blvd.(RR70)	197,405	197,405				
05779 Waterloo Spur Trail	111,493	111,493				
06416 Reg. Rd. 36 (Franklin Blvd.), 200M N of Avenue Rd. to 325M S. of Bishop St. (RR4)	28,586	28,586				
06433 Reg. Rd. 24 (Ainslie St.) Extension	64,774	64,774				
06510 Reg. Rd. 9 (Bridgeport Rd./Caroline St.) King St. (RR15) to Erb St. (RR9)	46,855	9,371		37,484		
06744 Reg. Rd. 53 (Fairway Rd), Hwy 8 Sb Ramp to Wilson Ave.	6,040	6,040				
06753 Rr52 (Bridge St) Lexington Rd To Eastbridge Blvd.	1,239	1,239				
06762 Reg. Rd. 28 (Homer Watson Blvd.), Ottawa St. S. (RR4) to Bleams Rd. (RR56)	192,630	192,629				616,774
07066 Regional Transportation Master Plan	299,566	299,566				
07074 Growth Related Studies And Design	12,263	12,263				
07090 Reg. Rds. 9 And 50, Erb St. At Westmount Rd.	395	395				
07097 Development Related Left And Right Turn Lanes to be identified.	45,482	45,482				
07101 Reg. Rd. 8 (Weber St.), College Ave.to Guelph St.	309,572	263,136		46,436		

	Expenditures 2018	Funding From RDC Reserves	Funding From RDC Debentures	Funding From Other Reserves	Debentures	Other Sources of Funding*
07111 Reg. Rds. 28 & 69, Homer Watson Blvd., Conestoga College Blvd. to Manitou Dr.	547,493	465,369		82,124		1,549,889
07116 Reg. Rd. 38 (Maple Grove Rd.), Hespeler Rd. (RR24) to Fountain St. (RR17)	186,932	186,932				
07121 Reg. Rd. 58 (Fischer-Hallman Rd), Bleams Rd. (RR56) To Ottawa St. (RR4)	122,116	122,116				
07127 Active Transportation Master Plan	1,250	625		625		
07129 S. Boundary Rd, Franklin Blvd.(RR36) to Dundas St. (RR8)	13,980	13,980				
07132 Reg. Rd. 36 (Franklin Blvd.), Myers Rd. (RR43) to Cambridge S.E. Boundary Rd.	5,045,096	5,045,096				
07145 Reg. Rd. 56 (Bleams Road) at Fischer Hallman Rd.	2,275,540	2,275,540				
07158 Transportation Tomorrow Survey	1,119	1,119				
07171 Reg. Rd. 53 (Courtland Ave.) At Block Line Rd	(7,988)	73,999				
07178 Traffic Education Program	43,603	18,134		18,134		7,334
07180 Preliminary Design And Post Construction Expenditures	178,150	178,150				
07198 Reg. Rd. 58 (Swan Street) At Hilltop Dr.	284,928	284,928				
07221 Reg. Rd. 58 (Fischer-Hallman Rd. / Bearinger Rd), Columbia St. to Westmount Rd.	52,253	52,253				
07248 Reg. Rd. 17 And Reg. Rd. 26, Sawmill Rd. at St. Charles St.	412,031	412,031				

	Expenditures 2018	Funding From RDC Reserves	Funding From RDC Debentures	Funding From Other Reserves	Debentures	Other Sources of Funding*
07249 Reg. Rd. 29 (Lancaster Street) At Elizabeth St.	4,766	4,766				
07252 Reg. Rd 75 (St.Andrews St.), at Grand Ridge Dr. Fourth Ave, Southwood Dr.	5,492	5,492				
07253 Growth Related Land Dedication Surveys and Purchases	453	453				
07258 Reg. Rd. 56 (Bleams Rd), Strasburg Rd. to Fischer-Hallman Rd. (RR58)	106,463	106,463				
07259 Reg. Rd. 57 (University Ave.), Keats Way to Erb St. (RR9)	1,816,769	1,816,769				
07280 Reg. Rd. 58 (Northumberland St.) At Inglis St.	152,640	152,640				
07282 Reg. Rd. 70 (Ira Needles) Highview Dr. To Erb St.	4,106	4,106				
07294 Reg. Rd. 4 (Ottawa Street), Homer Watson Blvd. (RR28) to Alpine Rd.	254,329	254,329				
07299 East Boundary Road Corridor Protection Study	350,287	350,287				
07303 Reg. Rd. 17 (Fountain St.), Maple Grove Rd. to Kossuth Rd. (RR31)	1,067,375	1,067,375				
07309 Reg. Rd. 28 (Fountain St.) at Limerick Dr.	48,623	48,623				
07318 Reg. Rd. 53 (Fairway Rd.), Lackner Blvd to Briar Meadow Dr.	19,054	19,054				
07321 Rr70 (Erbsville Rd.) At Columbia St.	15,789	15,789				
07327 Reg. Rd. 9 (Erb St.), Ira Needles Blvd. (RR70)	251,002	251,002				

	Expenditures 2018	Funding From RDC Reserves	Funding From RDC Debentures	Funding From Other Reserves	Debentures	Other Sources of Funding*
07332 Reg. Rd. 4 (Ottawa St.), King St. (RR15) to Charles St. (RR64)	1,295,138	1,100,867		194,271		
07337 Hespeler Rd Over Highway 401 Feasibility Study	350	350				
07362 Reg. Rd. 1 (Waterloo St.) at Nafziger Rd (RR5)	1,080	1,080				
07364 Reg. Rd. 51 (Foundry St.) at Gingerich Rd. (RR6)	138,983	138,983				
07366 Reg. Rd. 70 (Trussler Rd.) at Bridge St. (RR12)	88,342	88,342				
07382 Phillip Street To "Research And Technology" ION Stop	127,991	127,991				
07386 Reg. Rd. 53 (Fairway Rd), Pebblecreek Dr. to Lackner Blvd. (RR54)	2,326,855	2,305,638				21,217
07441 Reg. Rd. 71 (Dickie Settlement Road) at Roseville Rd. (RR46)	256	256				
07478 New Traffic Signal Installation	465,612	465,612				
07490 Reg. Rd. 4 (Peel Street), At Huron St.	13,319	13,319				
07496 Reg. Rd. 54 (Lackner Boulevard), Zeller Dr. To Ottawa St. N. (RR4)	394,245	394,245				
07499 Reg. Rd. 70 (Erbsville Road), Keats Way to 200M S of Keats Way	239,738	239,738				
07500 Reg. Rd. 86 (Line 86), At Floradale Rd.	16,836	16,836				
07507 Reg. Rd. 86 (Line 86), At Herrgott Rd. (RR10)	17,264	17,264				
07538 Reg. Rd. 38 (Maple Grove Road), At Compass Trail	5,877	5,877				

	Expenditures 2018	Funding From RDC Reserves	Funding From RDC Debentures	Funding From Other Reserves	Debentures	Other Sources of Funding*
07541 Reg. Rd. 53 (Fairway Road) Entrance Improvement	7,394	7,394				
09025 Growth Related Traffic Signal Modernization	7,003	7,003				
09256 Traffic Signal Support Program	155,327	(74,106)				229,432
09415 Barrier Free Signal Requests	21,888	21,888				
09423 Traffic Countermeasures	30,140	30,140				
09551 UPS Installations	19,571	19,571				
09582 Central Traffic Control System	(10,740)	(10,740)				
TOTAL TRANSPORTATION	30,153,848	24,331,991	0	3,385,304	0	4,685,199
REGION OF WATERLOO INTERNATIONAL AIRPORT						
03544 Sanitary Forcemain Servicing	102,599	46,170		56,429		
03579 Parking Lot Expansion	7,635	6,871		763		
03593 Terminal Bldg Expansion Feasibility / Site Study	129,210	74,942				
03594 Rail Connectivity Study YKF/YYZ	7,500	4,350				
03595 Environmental Assessment for Runway 14-32 and 08-26	28,611	16,594				
03596 Design Runway 14-32 and 08-26	73,787	42,796				
03597 Master Land Use and Service Planning	21,269	12,336				

	Expenditures 2018	Funding From RDC Reserves	Funding From RDC Debentures	Funding From Other Reserves	Debentures	Other Sources of Funding*
03600 Design of Terminal Expansion Phase 1	17,743	10,291				
03602 Federal Zoning Runway 14-32 and 08-26 Extension	26,258	15,230				
03603 Trigger 2 Property Acquisition	4,507,796		3,149,843		2,309,157	
TOTAL REGION OF WATERLOO INTERNATIONAL AIRPORT	4,922,408	229,580	3,149,843	57,192	2,309,157	0
WATER & WASTEWATER						
04001 Groundwater Modelling	109,835	28,557		81,278		
04005 MOE Source Water Assessment	106,247	27,624		78,623		
04014 Integrated Urban System Groundwater Supply	61,941	61,941				
04015 Waterloo North Water Supply System	2,503	2,503				
04024 Mannheim WTP RMP Supernatant	129,907	32,607		97,301		
04082 Watermain Upgrades	654,959	69,571		198,011		387,376
04083 New Watermains	1,630,736	1,630,736				
04090 W&E Research & Development Project	37,732	23,984				13,748
04097 Water Supply Upgrades	120,009	31,202		88,806		
04124 Source Protection Planning & Programming	355,132	92,334		262,798		
04125 Source Protection Technical Assessment	1,724,455	448,358		1,276,097		

	Expenditures 2018	Funding From RDC Reserves	Funding From RDC Debentures	Funding From Other Reserves	Debentures	Other Sources of Funding*
04135 Well Optimization & Upgrades	520,369	135,296		385,073		
04149 GW/SW Assessments	349,159	90,781		258,378		
04156 Kitchener Zone(s) 2/4 Distribution Upgrades	2,489,989	2,489,989				
04159 Asset Management	562,615	146,280		416,335		
04160 William St & K41/K42 Class EA	1,124,141	282,159		841,982		
04161 Kitchener Zone 4 Feeder Upgrades	8,373,649	8,370,108				3,542
04165 Clean Water Act Implementation	71,792	16,079		45,763		9,950
04170 Monitoring System Management	482,143	125,357		356,786		
04171 Mannheim Plate Settlers Upgrades	6,490	1,629		4,861		
04173 Conestoga Plains and West Montrose System	1,031,539	258,916		772,623		
04178 Weber St - Connection Kitchener to Water	1,355,013	1,355,013				
04181 Cambridge Water Distribution Upgrades	425,527	106,807		318,720		
04183 Residential Water Efficiency Initiatives	171,560	171,560				
04184 Connection of New wells to water Supply	883,072	229,599		653,473		
04186 Mannheim Reservoir Inlet Piping Upgrades	2,156,624	(264,509)		(752,835)		3,173,968
04187 Manganese Treatment Upgrades	25,857	6,723		19,134		
04188 Water Asset Management Systems	481,521	125,195		356,325		
04864 Water Efficiency - ICI Programs	229,323	229,323				

	Expenditures 2018	Funding From RDC Reserves	Funding From RDC Debentures	Funding From Other Reserves	Debentures	Other Sources of Funding*
04893 Facilities Upgrades	5,642,237	1,456,830		4,146,364		39,043
04903 PS & Reservoir Decommissioning	127,369	33,116		94,253		
04904 LTWS ASR Stages 1 + 2	165,017	165,017				
04911 Regulatory Requirements Upgrades	219,902	57,175		162,728		
04943 Water Efficiency-Outdoor Water Use	152,070	151,860				210
04969 SCADA Communication Upgrade	1,374,031	357,248		1,016,783		
08242 Hespeler Expansion	1,690,965	(2,915,751)		(1,407,723)	2,900,000	3,114,440
08270 Biosolids Masterplan Update	157,558	41,438		116,121		
08278 Laboratory - Upgrade & Expansion	67,679	17,800		49,879		
08279 SCADA System	2,095,518	551,121		1,544,397		
08281 River Sampling Program	425,805	111,987		313,818		
08288 Other Studies	65,230	17,155		48,074		
08289 Galt Process Upgrades & Expansion	2,918,562		871,000	464,202	1,643,000	
08302 East Side Final PS & Force Main	12,527	12,527				
08305 Wastewater Treatment Upgrades	287,174	75,527		211,647		
08307 Kitchener & Waterloo Infrastructure Upgrades	3,159,896	793,134		2,366,762		
08308 Cambridge Infrastructure Upgrades	1,005,553	251,388		754,165		
08309 Rural Infrastructure Upgrades	1,757,739	724,188		1,033,550		
08310 Sewage PSs Infrastructure Upgrades	549,731	144,579		405,152		

	Expenditures 2018	Funding From RDC Reserves	Funding From RDC Debentures	Funding From Other Reserves	Debentures	Other Sources of Funding*
08316 Waterloo Expansion	167,504	167,504				
08317 Baden/New Hamburg Expansion	465,323	465,323				
08322 Cogeneration & Other Biosolids Upgrades	3,028,930	796,609		2,232,322		
08323 Preston Treatment Upgrades	1,190,873	(118,530)		(425,185)		1,734,588
08324 Southern Ayr Wastewater System	331,173	331,173				
08327 Wastewater Asset Management	238,976	62,134		176,842		
08328 Kitchener WWTP Influent Channel Twinning	1,515,689		643,000	1,103,421		
08329 Spring Valley PS Upgrades	7,711	2,028		5,683		
08331 Biosolids Class EA	39,612	10,418		29,194		
08332 Wastewater Asset Management Systems	481,521	125,195		356,325		
08750 Rural Water Quality Program	250,000	65,750		184,250		
08779 Wastewater Master Plan Update	120,482	120,482				
08797 Kitchener Process Upgrades	10,423,832	1,158,239		1,166,657	6,000,000	118,675
08809 Waterloo Process Upgrades	0	(527,882)				
Total Water and Wastewater	65,810,028	21,030,504	1,514,000	21,909,213	10,543,000	8,595,540

	Expenditures 2018	Funding From RDC Reserves	Funding From RDC Debentures	Funding From Other Reserves	Debentures	Other Sources of Funding*
WATERLOO REGIONAL POLICE						
50022 Replacement of North Division	8,466	3,386		229		
50043 Investigative Services Renovation	2,596,370	454,365			1,951,000	68,602
50045 WRPS Voice Radio Infrastructure	1,268,655	195,373			1,700,000	
50046 200 Frederick St Construction	245,478	120,284	0			
TOTAL WATERLOO REGIONAL POLICE	4,118,969	773,408	0	229	3,651,000	68,602
GENERAL GOVERNMENT						
22007 Municipal Comprehensive Review	25,638	23,075		2,564		
22021 Sub-Watershed Studies	554,875	499,388		55,488		
60005 RDC By Law Review	107,757	96,982		10,776		
TOTAL GENERAL GOVERNMENT	688,270	619,445	0	68,828		
OPERATIONS						
90076 Kitchener Transit Terminal Security	163,956	25,741	0	138,215	0	0
90109 Waterloo Regional Voice Radio System	128,021	19,715	0		0	0
66067 Voice Radio Upgrade/Replacement	1,155,131	88,945			1,175,000	2,276,347
TOTAL OPERATIONS	1,447,108	134,401	0	138,215	1,175,000	577,566

	Expenditures 2018	Funding From RDC Reserves	Funding From RDC Debentures	Funding From Other Reserves	Debentures	Other Sources of Funding*
LIBRARY						
20024 Library HQ Addition	714,144		172,000	542,144		0
TOTAL LIBRARY	714,144		172,000	542,144		
TRANSIT						
66029 iXpress Station Development	1,049,186	194,099		330,494		524,593
66059 Card Fare Payment Technology	(22,468)	214,684				
66071 Advanced Transit Technology	1,845,618	166,106		1,679,512		
66079 Northfield Drive Construction	998,698	184,759				499,349
66088 Cambridge Centre Terminal	83,286	30,816		52,470		
66090 UW Transit Plaza	343,463	63,541			3,319,000	171,732
66092 Fairview Mall Terminal	2,013,387	372,477	538,000			1,006,694
66093 Blockline Station	710	263				
66095 Conestoga College Terminal	143,254	26,502		45,125		71,627
66114 Pedestrian Bridge Hwy 7/8	181,668	90,834				90,834
66121 Sunrise Centre Transit Facility	190,390	70,444				
66138 Miscellaneous Property Acquisitions	2,246,906	559,517				
68024 LRT Phase Two	695,702	173,925		466,120		
TOTAL TRANSIT	9,769,800	2,147,967	538,000	2,573,721	3,319,000	2,364,829

	Expenditures 2018	Funding From RDC Reserves	Funding From RDC Debentures	Funding From Other Reserves	Debentures	Other Sources of Funding*
WASTE MANAGEMENT						
01084 Materials Recycling Centre	109,130	15,387		(6,258)	100,000	
01104 Cambridge Transfer Building Upgrade	205,326	28,951		(4,378)		
01106 Cambridge Compost Pad Expansion	486,683	68,622		418,061		
01186 Waterloo Scale System & Building	57,164	8,060		49,104		
01192 Waterloo Transfer Station Upgrade	51,412	7,249			44,163	
Total Waste Management	909,715	128,269		456,529	144,163	
	* May include grants & subsidies and other third party financing					
	() Indicate that funding has been returned to the Reserve in 2018					
	Note: Total Funding in 2018 may not equal total expenditures in 2018 in some instances due to the timing of debenture issuance and transfers					