



2019 BUDGET

February 22, 2019

Grand River Conservation Authority

2019 Budget

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GRCA 2019 Budget Highlights

The Grand River Conservation Authority is a successful partnership of municipalities, working together to promote and undertake wise management of the water and natural resources of the Grand River watershed.

The Grand River stretches 300 kilometres from Dundalk in Dufferin County to Port Maitland on Lake Erie. It takes in one of the fastest growing regions in the province, with a population of almost 1,000,000. The Grand River watershed is also home to some of the most intensively farmed land in the nation.

The prospect of high growth and the impact on water and natural resources and the quality of life present an enormous challenge to the GRCA, municipalities and all watershed residents. It creates an urgent need to work co-operatively to care wisely for the Grand River and its resources.

The work of the GRCA is divided into seven business areas:

- Reducing flood damages
- Improving water quality
- Maintaining reliable water supply
- Protecting natural areas and biodiversity
- Watershed planning
- Environmental education
- Outdoor recreation

In order to carry out these functions, the GRCA draws revenues from a variety of sources:

- User fees, such as park admissions, nature centre programs, planning fees and others which are set to offset most, if not all, the cost of these services
- Revenues from property rentals and hydro generation at our dams
- Municipal levies, which are applied primarily to watershed management programs
- Municipal grants dedicated to specific programs, such as the Rural Water Quality Program and Water Quality Monitoring
- Provincial transfer payments for water management operating expenses
- Provincial grants for specific purposes, such as studies on Source Water Protection and Capital Projects related to water management
- Donations from the Grand River Conservation Foundation for programs such as outdoor education, tree nursery operations and various special projects
- Federal grants and other miscellaneous sources of revenue

The GRCA continues to work on the updates and implementation of a Drinking Water Source Protection Plan for each of the four watersheds in the Lake Erie Source Protection Region, including the Grand River watershed, as part of the provincial Source Protection Program under the *Clean Water Act, 2006*. Besides supporting municipalities and other agencies in implementing the plans, the focus in 2019 is on completing updates to the Grand River Source Protection Plan, including water quantity risk assessment studies, development of water quantity policies, updating water quality vulnerability assessments, and the development of the first annual progress report for the Grand River Source Protection Plan.

The Water Management Plan was endorsed in 2014 as an update to the 1982 Grand River Basin Study that charts a course of actions to reduce flood damages, ensure water supplies, improve water quality and build resilience to deal with a changing climate. The third annual progress report – A Report on Actions was published in 2017. Municipal, provincial and federal government and Six Nations Water Managers meet quarterly to report on the progress of the commitments they made in the Plan. Two reports are underway: a technical report on the state of water resources and a summary report on the status of implementation are both to be completed in 2019.

In April 2018 the GRCA received approval from the Ministry of Natural Resources and Forestry to use up to \$1.8 million from the Land Sale Reserve for hazard tree management over a three year period. This funding has allowed the GRCA to accelerate its program of tree risk management to ensure the health and safety of the public using GRCA lands. This program will continue through 2019 and 2020.

Major water control capital projects planned for 2019 include completion of an ice jam study, capacity improvements, floodwall repairs and permanent closure of abandon railway openings along the Brantford dikes, repair of the floodwall along the Cambridge dike coordinated closely with City of Cambridge river access projects, solutions to address seepage under the Bridgeport dikes, gate control system upgrades and concrete repair designs at Conestogo dam, standby generator enhancements and temporary stoplog design to allow isolation of gates at Shand Dam, concrete and embankment repairs at Wellesley Dam, gate refurbishment at New Dundee Dam, concrete and embankment repairs St. Jacobs Dam and updating of operation and maintenance manuals

Major conservation area capital projects planned for 2019 include a new day use washroom at Byng Island, expansion of the Pines seasonal campground at Elora Gorge, a new workshop at Guelph Lake as well as a new trailer storage area, playground replacements at Brant Park and installation of automatic gates at Pinehurst Lake. Planning for 2020 construction will be undertaken for a new day use area at Elora Gorge, the replacement of the existing washroom building at Elora Quarry, and installation of automatic entry gates at Guelph Lake.

1. Watershed Management and Monitoring

Watershed management and monitoring programs protect watershed residents from flooding and provide the information required to develop appropriate resource management strategies and to identify priority actions to maintain a healthy watershed. Activities include operation of flood and erosion control structures such as dikes and dams; flood forecasting and warning; water quality monitoring; natural heritage restoration and rehabilitation projects; water quantity assessment; watershed and subwatershed studies.

Operating Expenditures:

Water Resources Planning and Environment	\$2,243,200	(Table 1)
Flood Forecasting and Warning	\$ 801,000	(Table 2)
Water Control Structures	\$1,723,900	(Table 3)

Capital Expenditures: **\$1,800,000** (Section B)

Total Expenditures: **\$6,568,100**

Revenue sources: Municipal levies and provincial grants.

2. Planning

Program areas:

- a) Natural Hazard Regulations
The administration of conservation authority regulations related to development in the floodplain, and other natural hazards e.g. wetlands, slopes, shorelines and watercourses.
- b) Plan Input and Review
Planning and technical review of municipal planning documents and recommending environmental policies for floodplains, wetlands and other environmentally significant areas; providing advice and information to municipal councils on development proposals and severances; review of environmental assessments; and providing outside consulting services on a fee-for-service basis to other conservation authorities and agencies.

Operating Expenditures: **\$2,084,600** (Table 4)

Capital Expenditures: **NIL**

Revenue sources: Permit fees, enquiry fees, plan review fees, provincial grants and municipal levy

3. Watershed stewardship

The watershed stewardship program provides information and/or assistance to private and public landowners and community groups on sound water and environmental practices that will enhance, restore or protect their properties. Some activities are reforestation/tree planting through the Burford Tree Nursery, the Rural Water Quality Program, restoration and rehabilitation projects. The program also, provides conservation information through workshops, publications, the web site and media contacts.

Operating Expenditures:

Forestry & Conservation Land Taxes	\$ 1,411,400 (Table 5)
Conservation Services	\$ 885,200 (Table 6)
Communications and Foundation	\$ 733,900 (Table 7)

Capital Expenditures: **NIL**

Total Expenditures: **\$3,030,500**

Revenue sources:

Municipal levies and grants, provincial grants, tree sales, landowner contributions, donations from the Grand River Conservation Foundation and other donations.

4. Conservation Land Management

This includes expenses and revenues associated with the acquisition and management of land owned or managed by the GRCA including woodlots, provincially significant wetlands (e.g. Luther Marsh, Dunnville Marsh), passive conservation areas, rail-trails and a number of rental properties. Activities include forest management, woodlot thinning, and hydro production at our dams.

Operating Expenditures:

Conservation Lands, Rentals, Misc	\$3,830,400 (Table 10-Conservation Lands)
Hydro Production	\$ 203,000 (Table 10-Hydro Production)

Capital Expenditures: NIL

Total Expenditures: \$4,033,400

Revenue sources:

Property rentals, hydro production, timber sales, conservation land income, donations from the Grand River Conservation Foundation

5. Education

The GRCA operates six nature centres, which provide curriculum-based programs to about 50,000 students from six school boards and independent schools throughout the watershed. In addition, about 16,000 members of the public attend day camps and weekend family and community events.

Operating Expenditures: \$1,382,400 (Table 8)

Capital Expenditures: NIL

Revenue sources: School boards, nature centre user fees, community event fees, donations from the Grand River Conservation Foundation and municipal general levy.

6. Recreation

This includes the costs and revenues associated with operating the GRCA's 11 active conservation areas. The GRCA offers camping, hiking, fishing, swimming, skiing and other activities at its parks. It provides 2,500 campsites, making it the second-largest provider of camping accommodation in Ontario. About 1 million people visit GRCA parks each year. The parks are financially self-sufficient.

Operating Expenditures: \$7,885,000 (Table 10)

Capital Expenditures: \$2,590,000 (Section B)

Total Expenditures: \$10,475,000

Revenue sources:

Conservation Area user fees, government grants, reserves and donations.

7. Corporate services

This includes the cost of head office functions such as accounting and human resources, as well as the cost of facilities, insurance, consulting and legal fees and expenses relating to the General Membership.

Operating Expenditures: \$3,867,768 (Table 9)

Capital Expenditures: \$ 207,700 (Section B)

Total Expenditures: \$4,075,468

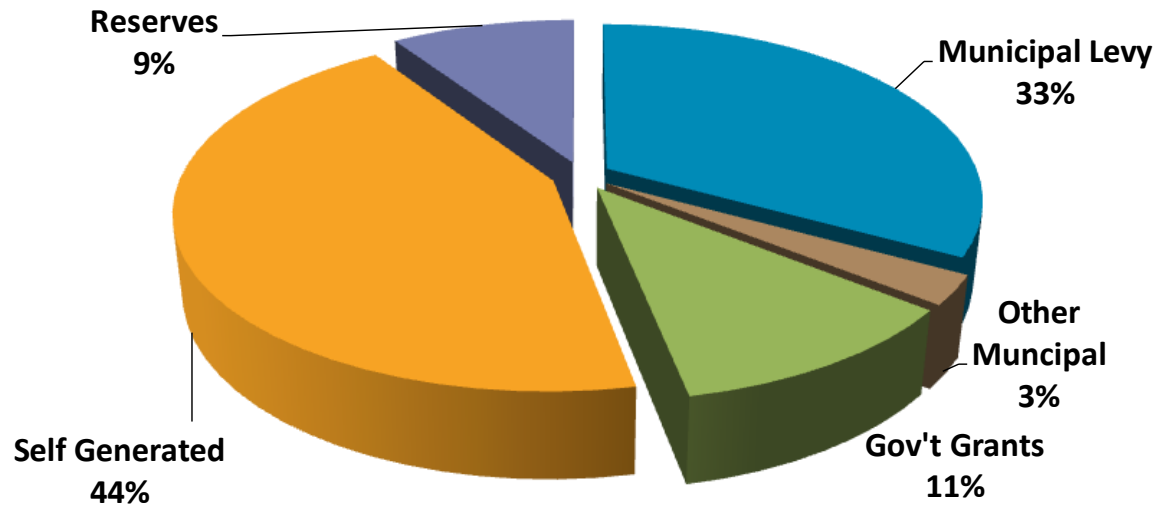
Revenue sources: Municipal levies and provincial grants.

BUDGET 2019 - Summary of Revenue and Expenditures

FUNDING		Actual 2018	Budget 2018	Budget 2019	Budget Incr/(decr)
Municipal General Levy Funding		11,352,000	11,352,000	11,636,000	284,000 2.5%
Other Government Grants		4,763,202	4,928,573	4,893,573	(35,000) -0.7%
Self-Generated Revenue		16,502,625	15,293,414	15,431,195	137,781 0.9%
Funding from Reserves		2,288,903	2,774,000	3,309,700	535,700 19.3%
TOTAL FUNDING		34,906,730	34,347,987	35,270,468	922,481 2.7%
EXPENDITURES		Actual 2018	Budget 2018	Budget 2019	Budget Incr/(decr)
Base Programs - Operating includes funding to reserves	SECTION A	26,677,416	25,716,987	27,051,768	1,334,781 5.19%
Base Programs - Capital	SECTION B	3,658,509	3,910,000	4,597,700	687,700 17.59%
Special Projects	SECTION C	4,101,110	4,721,000	3,621,000	(1,100,000) -23.3%
TOTAL EXPENDITURES		34,437,035	34,347,987	35,270,468	922,481 2.7%
NET RESULT		469,695	-	-	

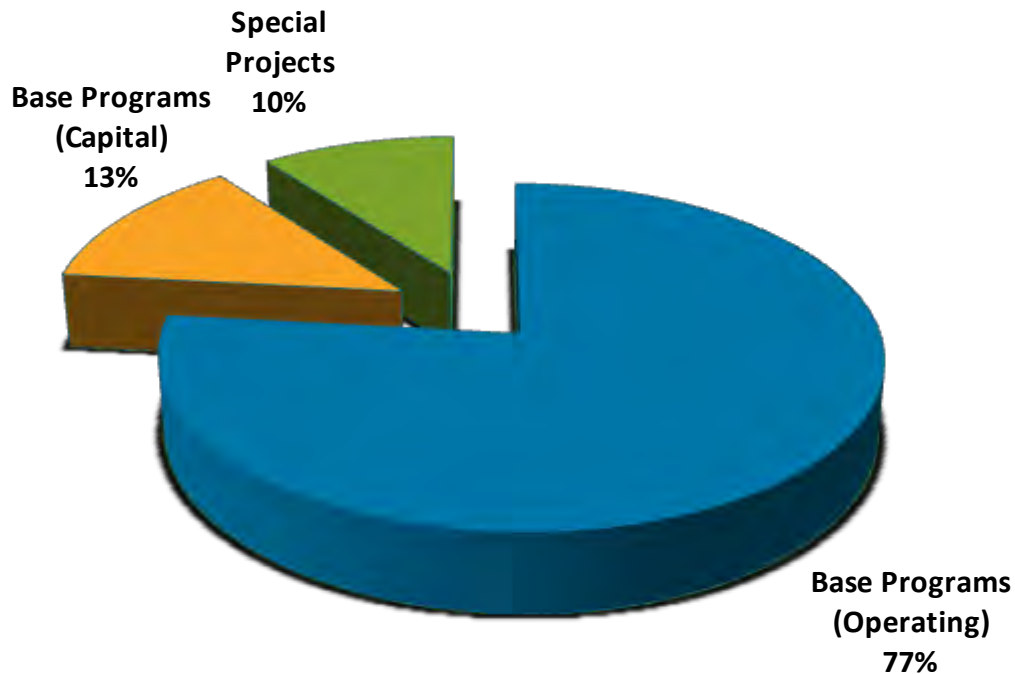
2019 Budget – Revenue by Source

Total 2019 Budget Revenue = \$35.3 Million (\$ 34.3 Million in 2018)

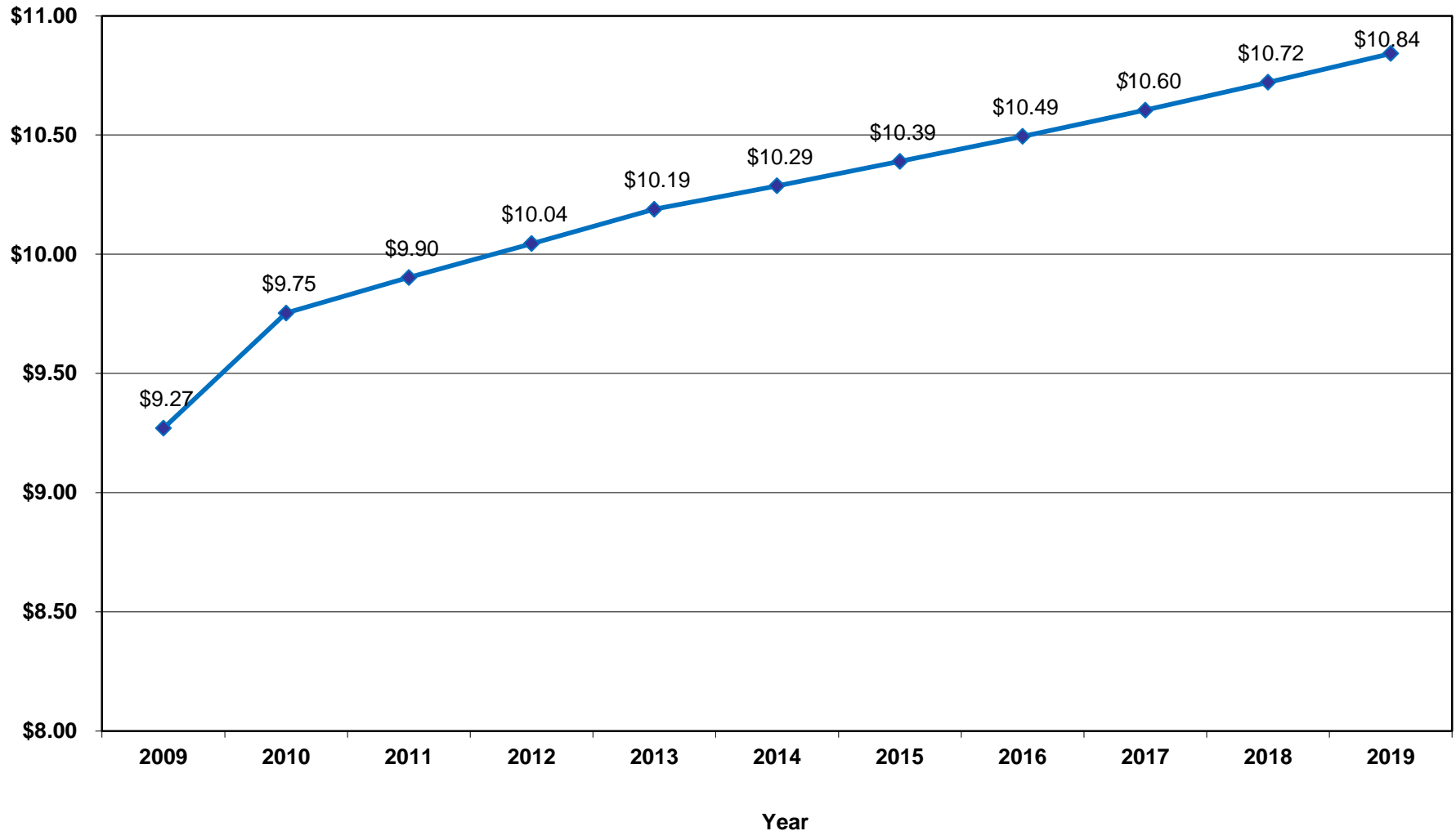


2019 Budget – Expenditures by Category

2019 Budget Expenditures = \$35.3 Million (\$ 34.3 Million in 2018)



GRCA Per Capita Levy 2009 to 2019



Budget 2019 - Summary of Expenditures, Funding and Change in Municipal Levy

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Grand River Conservation Authority Summary of Municipal Levy - 2019 Budget

February 22, 2019

	% CVA in	2018 CVA	CVA-Based	2018 Budget	2019 Budget	2019 Budget	2019 Budget	Actual		
				Matching & Maintenance	Admin	Non Matching				
	Watershed	(Modified)	CVA in Watershed	Apportionment	Levy	Maintenance Levy	Capital Levy	Total Levy	2018 Levy	% Change
Brant County	82.9%	5,955,826,066	4,937,379,809	2.75%	23,970	267,336	28,894	320,200	326,904	-2.1%
Brantford C	100.0%	13,253,620,186	13,253,620,186	7.39%	64,343	717,622	77,561	859,526	820,175	4.8%
Amaranth Twp	82.0%	692,356,801	567,732,577	0.32%	2,756	30,740	3,322	36,818	35,971	2.4%
East Garafraxa Twp	80.0%	533,804,174	427,043,339	0.24%	2,073	23,122	2,499	27,694	26,838	3.2%
Town of Grand Valley	100.0%	429,279,822	429,279,822	0.24%	2,084	23,244	2,512	27,840	26,727	4.2%
Melancthon Twp	56.0%	507,262,719	284,067,123	0.16%	1,379	15,381	1,662	18,422	18,160	1.4%
Southgate Twp	6.0%	883,428,392	53,005,703	0.03%	257	2,870	310	3,437	3,294	4.3%
Haldimand County	41.0%	6,276,148,294	2,573,220,801	1.43%	12,492	139,328	15,059	166,879	162,607	2.6%
Norfolk County	5.0%	8,618,652,073	430,932,604	0.24%	2,092	23,333	2,522	27,947	27,566	1.4%
Halton Region	10.4%	39,536,197,403	4,121,457,995	2.30%	20,009	223,158	24,119	267,286	253,594	5.4%
Hamilton City	26.7%	82,190,675,574	21,986,005,716	12.25%	106,736	1,190,440	128,664	1,425,840	1,389,640	2.6%
Oxford County	37.3%	3,842,021,887	1,432,116,305	0.80%	6,953	77,542	8,381	92,876	90,099	3.1%
North Perth T	2.0%	1,911,183,097	38,223,662	0.02%	186	2,070	224	2,480	2,385	4.0%
Perth East Twp	40.0%	1,744,223,194	697,689,278	0.39%	3,387	37,777	4,083	45,247	43,127	4.9%
Waterloo Region	100.0%	91,711,011,599	91,711,011,599	51.11%	445,232	4,965,722	536,699	5,947,653	5,816,764	2.3%
Centre Wellington Twp	100.0%	4,490,977,731	4,490,977,731	2.50%	21,802	243,166	26,282	291,250	285,969	1.8%
Erin T	49.0%	2,319,917,492	1,136,759,571	0.63%	5,519	61,550	6,652	73,721	73,360	0.5%
Guelph C	100.0%	24,316,625,767	24,316,625,767	13.55%	118,051	1,316,632	142,303	1,576,986	1,537,580	2.6%
Guelph Eramosa Twp	100.0%	2,527,154,919	2,527,154,919	1.41%	12,269	136,834	14,789	163,892	159,913	2.5%
Mapleton Twp	95.0%	1,526,746,159	1,450,407,901	0.81%	7,041	78,533	8,488	94,062	90,132	4.4%
Wellington North Twp	51.0%	1,516,305,544	773,315,828	0.43%	3,754	41,871	4,526	50,151	49,212	1.9%
Puslinch Twp	75.0%	2,380,647,827	1,785,485,870	1.00%	8,668	96,676	10,449	115,793	111,983	3.4%
Total		297,164,066,719	179,423,514,108	100.00%	871,053	9,714,947	1,050,000	11,636,000	11,352,000	2.5%

SECTION A

BASE PROGRAMS – OPERATING

SECTION A - Operating Budget

GRAND RIVER CONSERVATION AUTHORITY

Budget 2019 vs Budget 2018

	Actual 2018	Budget 2018	Budget 2019	Incr/(Decr)	%age change
EXPENDITURES					
OPERATING EXPENSES	26,677,416	25,716,987	27,051,768	1,334,781	5.19%
Total Expenses	26,677,416	25,716,987	27,051,768	1,334,781	5.19%
SOURCES OF FUNDING					
MUNICIPAL GENERAL LEVY (NOTE)	9,835,527	10,302,000	10,586,000	284,000	2.76%
MUNICIPAL SPECIAL LEVY	48,488	50,000	50,000	-	0.00%
OTHER GOVT FUNDING	947,574	938,573	938,573	-	0.00%
SELF-GENERATED	15,218,057	13,840,100	14,350,500	510,400	3.69%
RESERVES	215,456	174,000	657,000	483,000	277.59%
SURPLUS CARRYFORWARD	412,314	412,314	469,695	57,381	13.92%
Total BASE Funding	26,677,416	25,716,987	27,051,768	1,334,781	5.19%

NOTE: See "Summary of Revenue, Expenditures and Changes in Municipal Levy" for details of \$284,000 levy increase.

TABLE 1

(a) Watershed Studies

This category includes watershed and subwatershed studies. These studies provide the strategic framework for understanding water resources and ecosystem form, functions and linkages. These allow for assessment of the impacts of changes in watershed resources and land use. Watershed studies also identify activities and actions that are needed to minimize the adverse impacts of change. This program supports other plans and programs that promote healthy watersheds.

Specific Activities:

- Carry out or partner with municipalities and other stakeholders on integrated subwatershed plans for streams and tributaries. Subwatershed Plans are technical reports which provide comprehensive background on how surface water, groundwater, terrestrial and aquatic ecosystems function in a subwatershed. The plans recommend how planned changes such as urbanization can take place in a sustainable manner.

(b) Water Resources Planning and Environment and Support

This category includes the collection and analysis of environmental data and the development of management plans for protection and management of water resources and natural heritage systems. These programs assist with implementation of monitoring water and natural resources and assessment of changes in watershed health and priority management areas.

Specific Activities:

- operate 8 continuous river water quality monitoring stations, 73 stream flow monitoring stations, 27 groundwater monitoring stations, and 37 water quality monitoring stations in conjunction with MOE, apply state-of-the-art water quality assimilation model to determine optimum sewage treatment options in the central Grand, and provide technical input to municipal water quality issues
- analyze and report on water quality conditions in the Grand River watershed
- maintain a water budget to support sustainable water use in the watershed, and maintain a drought response program
- analyze water use data for the watershed and provide recommendations for water conservation approaches
- provide advice to Provincial Ministries regarding water use permits to ensure that significant environmental concerns are identified so that potential impacts can be addressed.

(c) Resource Management Division Support

Provides support services to the Engineering and Resource Management Divisions including support for Flood Forecasting and Warning and Water Control Structures.

Specific Spending:

- administrative services
- travel, communication, staff development and computer
- insurance

(d) Natural Heritage Management

The natural heritage management program includes those activities associated with providing service and/or assistance to municipalities, private and public landowners and community groups on sound environmental practices that will enhance, restore or protect the aquatic and terrestrial ecosystems. The program includes watershed scale natural heritage assessments and implements restoration activities on GRCA land..

Specific Activities:

- maintain and promote the ‘Grand River Fisheries Management Plan’.
- implement “best bets” for protection and enhancement of fisheries, work with outside agencies, non-government organizations and the public to improve fish habitat through stream rehabilitation projects including the implementation of the recommendations of the watershed studies.
- maintain and implement the Forest Management Plan for the Grand River watershed and develop and implement components of the watershed Emerald Ash Borer strategy
- carry out restoration and rehabilitation projects for aquatic and terrestrial ecosystems e.g. species at risk and ecological monitoring on GRCA lands, and prescribed burn activities and community events such as tree planting and stream restoration
- provide technical input and review services for applications that may affect the watershed ecosystems.

TABLE 1
GRAND RIVER CONSERVATION AUTHORITY
Water Resources Planning & Environment

OPERATING	Actual 2018	Budget 2018	Budget 2019	Budget Change
Expenses:				incr/(decr)
Salary and Benefits	1,477,118	1,587,900	1,615,500	27,600
Travel, Motor Pool, Expenses, Telephone, Training and Development, IT	260,556	313,000	319,300	6,300
Insurance	103,297	110,000	113,300	3,300
Other Operating Expenses	140,049	210,900	195,100	-15,800
TOTAL EXPENSE	1,981,020	2,221,800	2,243,200	21,400
Funding				(incr)/decr
Municipal Special/Other	36,156	50,000	50,000	0
MNR Grant	33,200	33,200	8,200	25,000
Prov & Federal Govt	16,398	37,500	47,500	-10,000
Donations		3,000		3,000
Funds taken from Reserves	-	27,000		27,000
TOTAL FUNDING	85,754	150,700	105,700	45,000
Net Funded by General Municipal Levy	1,895,266	2,071,100	2,137,500	
Net incr/(decr) to Municipal Levy				66,400

TABLE 2

Flood Forecasting and Warning

The flood warning system includes the direct costs associated with monitoring the streams, and rivers in order to effectively provide warnings and guidance to municipalities and watershed residents during flood emergencies.

Overall, flood protection services provide watershed residents with an effective and efficient system that will reduce their exposure to the threat of flood damage and loss of life. It is estimated that the existing flood protection in the Grand River watershed saves an average of over \$5.0 million annually in property damage.

Specific Activities:

- maintain a ‘state of the art’ computerized flood forecasting and warning system.
- operate a 24 hour, year-round, on-call duty officer system to respond to flooding matters.
- collect and manage data on rainfall, water quantity, reservoir conditions, water levels from 56 stream flow gauges, 24 rainfall gauges, and 12 snow courses.
- use data radio and Voice Alert system to continuously, monitor river conditions and detect warning levels, assist municipalities with emergency planning, and respond to thousands of inquiries each year.
- Assist municipalities with municipal emergency planning and participate in municipal emergency planning exercises when requested.

TABLE 2
GRAND RIVER CONSERVATION AUTHORITY
Flood Forecasting & Warning

OPERATING	Actual 2018	Budget 2018	Budget 2019	Budget change
Expenses:				incr/(decr)
Salary and Benefits	428,291	463,200	457,000	(6,200)
Travel, Motor Pool, Expenses, Telephone, Training and Development, IT	249,762	260,800	266,000	5,200
Other Operating Expenses	61,323	76,400	78,000	1,600
Amount set aside to Reserves	60,000			
TOTAL EXPENSE	799,376	800,400	801,000	600
Funding				(incr)/decr
MNR Grant	252,955	252,955	277,955	(25,000)
TOTAL FUNDING	252,955	252,955	277,955	(25,000)
Net Funded by General Municipal Levy	546,421	547,445	523,045	
Net incr/(decr) to Municipal Levy				(24,400)

TABLE 3

Water Control Structures

This category includes costs associated with the capital and maintenance of structures, the primary purpose of which is to provide protection to life and property. These structures include dams, dykes, berms and channels etc. Also included in this category are non-flood control dams and weirs, which maintain upstream water levels.

Overall, flood protection services provide watershed residents with an effective and efficient system that will reduce their exposure to the threat of flood damage and loss of life. It is estimated that the existing flood protection in the Grand River watershed saves an average of over \$5.0 million annually in property damage.

Specific Activities:

- operate and maintain 7 major multi-purpose reservoirs, which provide flood protection and flow augmentation, and 25 kilometres of dykes in 5 major dyke systems (Kitchener-Bridgeport, Cambridge-Galt, Brantford, Drayton and New Hamburg)
- ensure structural integrity of flood protection infrastructure through dam safety reviews, inspections and monitoring, reconstruction of deteriorating sections of floodwalls and refurbishing of major components of dams
- carry out capital upgrades to the flood control structures in order to meet Provincial standards
- operate and maintain 22 non-flood control dams, which are primarily for aesthetic, recreational, or municipal water supply intake purposes
- develop and implement plans to decommission failing or obsolete dams
- ice management activities to prevent or respond to flooding resulting from ice jams
- develop and implement public safety plans for structures

TABLE 3
GRAND RIVER CONSERVATION AUTHORITY
Water Control Structures

OPERATING	Actual 2018	Budget 2018	Budget 2019	Budget change
<u>Expenses:</u>				incr/(decr)
Salary and Benefits	1,125,092	1,170,100	1,170,200	100
Travel, Motor Pool, Expenses, Telephone, Training and Development, IT	14,708	28,600	29,200	600
Property Taxes	162,927	189,000	179,700	(9,300)
Other Operating Expenses	409,529	338,000	344,800	6,800
Amount set aside to Reserves	55,000	-	-	-
TOTAL EXPENSE	1,767,256	1,725,700	1,723,900	(1,800)
<u>Funding</u>				(incr)/decr
MNR Grant	400,350	400,350	400,350	-
TOTAL FUNDING	400,350	400,350	400,350	-
Net Funded by General Municipal Levy	1,366,906	1,325,350	1,323,550	
Net incr/(decr) to Municipal Levy				(1,800)

TABLE 4

(a) PLANNING - Regulations

This category includes costs and revenues associated with administering the *Development, Interference with Wetlands and Alterations to Shorelines and Watercourses Regulation* made under the *Conservation Authorities Act*. This includes permit review, inspections, permit issuance, enforcement and follow-up, which may include defending appeals.

Specific Activities:

- Process over 800 permits each year related to development, alteration or activities that may interfere with the following types of lands:
 - ravines, valleys, steep slopes
 - wetlands including swamps, marshes, bogs, and fens
 - any watercourse, river, creek, floodplain or valley land
 - the Lake Erie shoreline
- The regulation applies to the development activities listed below in the areas listed above:
 - the construction, reconstruction, erection or placing of a building or structure of any kind,
 - any change to a building or structure that would have the effect of altering the use or potential use of the building or structure, increasing the size of the building or structure or increasing the number of dwelling units in the building or structure
 - site grading
 - the temporary or permanent placing, dumping or removal of any material originating on the site or elsewhere.
- maintain policies and guidelines to assist in the protection of sensitive environmental lands (i.e. Policies for the Administration of the Development, Interference with Wetlands and Alterations to Shorelines and Watercourses Regulation)
- enforcement of the Development, Interference with Wetlands and Alterations to Shorelines and Watercourses Regulation and maintain compliance policies and procedures
- update and maintain flood line mapping; develop natural hazards mapping in digital format to be integrated into municipal planning documents and Geographic Information Systems

(b) PLANNING - Municipal Plan Input and Review

This program includes costs and revenues associated with reviewing Official Plans, Secondary and Community Plans, Zoning Bylaws, Environmental Assessments, development applications and other proposals, in accordance with Conservation Authority and provincial or municipal agreements. It also includes watershed management consulting outside of the Grand River watershed, which is done from time-to-time on a fee-for-service basis.

Specific Activities:

- review municipal planning and master plan documents and recommend environmental policies and designations for floodplains, wetlands, natural heritage areas, fisheries habitat, hazard lands and shorelines, which support GRCA regulations and complement provincial policies and federal regulations
- provide advice to municipalities regarding environmental assessments, and other proposals such as aggregate and municipal drain applications to ensure that all environmental concerns are adequately identified and that any adverse impacts are minimized or mitigated
- provide information and technical advice to Municipal Councils and Committees and Land Division Committees regarding development applications to assist in making wise land use decisions regarding protection of people and property from natural hazard areas such as flood plains and erosion areas and protection and enhancement of wetlands, fish and wildlife habitat and natural heritage systems

TABLE 4
GRAND RIVER CONSERVATION AUTHORITY
Resource Planning

OPERATING	Actual 2018	Budget 2018	Budget 2019	Budget change
Expenses:				incr/(decr)
Salary and Benefits	1,597,248	1,706,200	1,807,400	101,200
Travel, Motor Pool, Expenses, Telephone, Training and Development, IT	204,057	218,100	222,500	4,400
Other Operating Expenses	141,592	53,600	54,700	1,100
TOTAL EXPENSE	1,942,897	1,977,900	2,084,600	106,700
Funding				(incr)/decr
MNR Grant	114,568	114,568	114,568	-
Self Generated	908,914	901,400	919,000	(17,600)
TOTAL FUNDING	1,023,482	1,015,968	1,033,568	(17,600)
Net Funded by General Municipal Levy	919,415	961,932	1,051,032	
Net incr/(decr) to Municipal Levy				89,100

TABLE 5

Forestry & Property Taxes

The forestry program includes those activities associated with providing service and/or assistance to private and public landowners and community groups on sound environmental practices that will enhance, restore or protect their properties.

This category includes direct delivery of remediation programs including tree planting/reforestation.

General Municipal Levy funds the property tax for GRCA owned natural areas/passive lands.

Specific Activities:

- plant trees on private lands (cost recovery from landowner)
- operate Burford Tree Nursery to grow and supply native and threatened species
- carry out tree planting and other forest management programs on over 7,000 hectares of managed forests on GRCA owned lands
- manage Emerald Ash Borer infestation

TABLE 5
GRAND RIVER CONSERVATION AUTHORITY
Forestry & Conservation Land Taxes

OPERATING	Actual 2018	Budget 2018	Budget 2019	Budget change
Expenses:				incr/(decr)
Salary and Benefits	591,083	539,900	601,000	61,100
Travel, Motor Pool, Expenses, Telephone, Training and Development, IT	51,767	43,400	54,300	10,900
Property Taxes	155,946	177,800	183,200	5,400
Other Operating Expenses	623,989	615,400	572,900	(42,500)
TOTAL EXPENSE	1,422,785	1,376,500	1,411,400	34,900
Funding				(incr)/decr
Donations	64,673	57,000	57,000	-
Self Generated	655,882	650,000	650,000	-
TOTAL FUNDING	720,555	707,000	707,000	0
Net Funded by General Municipal Levy	702,230	669,500	704,400	
Net incr/(decr) to Municipal Levy				34,900

TABLE 6

Conservation Services

The conservation service program includes those activities associated with providing service and/or assistance to private and public landowners and community groups on sound environmental practices that will enhance, restore or protect their properties.

This category includes the Rural Quality program and Forestry extension services.

Specific Activities:

- Co-ordinate the Rural Water Quality Program. This involves landowner contact, promotion/education and providing grants to assist farmers with capital improvements to address manure containment, livestock fencing, soil conservation, and other rural non-point sources of river water pollution. Funding for this important initiative comes from watershed municipalities and other government grants.
- Carry out tree planting, restoration and rehabilitation projects with private landowners
- Co-ordinate community events e.g. children's water festivals and agricultural and rural landowner workshops to promote water and environmental initiatives
- Co-ordinate GRCA Volunteer Program to enable public participation in community and GRCA environmental activities

TABLE 6
GRAND RIVER CONSERVATION AUTHORITY
Conservation Services

OPERATING	Actual 2018	Budget 2018	Budget 2019	Budget change
Expenses:				incr/(decr)
Salary and Benefits	690,240	693,100	733,000	39,900
Travel, Motor Pool, Expenses, Telephone, Training and Development, IT	95,351	110,000	100,200	(9,800)
Other Operating Expenses	18,333	57,900	52,000	(5,900)
Amount set aside to Reserves	12,000			
TOTAL EXPENSE	815,924	861,000	885,200	24,200
Funding				(incr)/decr
Prov & Federal Govt	12,332	30,000	30,000	-
Donations/Other	102,242	87,000	87,000	-
Funds taken from Reserves	552	31,000	31,000	-
TOTAL FUNDING	115,126	148,000	148,000	-
Net Funded by General Municipal Levy	700,798	713,000	737,200	
Net incr/(decr) to Municipal Levy				24,200

TABLE 7

Communications & Foundation

The Communications department provides a wide range of services and support for the GRCA, the Grand River Conservation Foundation, as well as Lake Erie Region Source Protection Program. This category includes watershed-wide communication and promotion of conservation issues to watershed residents, municipalities and other agencies.

The Grand River Conservation Foundation provides private sector funding for GRCA projects with limited or no other sources of revenue. This category includes operational costs related to fundraising.

Communications - Specific Activities:

- Media relations
- Public relations and awareness building
- Online communications
- Issues management and crisis communications
- Community engagement and public consultation
- Corporate brand management

Foundation - Specific Activities:

- Solicit donors for financial support
- Orient and train volunteers to assist with fundraising
- Provide site tours and other events to stakeholders

TABLE 7
GRAND RIVER CONSERVATION AUTHORITY
Communications & Foundation

OPERATING	Actual 2018	Budget 2018	Budget 2019	Budget change
Expenses:				incr/(decr)
Salary and Benefits	538,567	566,400	583,400	17,000
Travel, Motor Pool, Expenses, Telephone, Training and Development, IT	73,568	75,500	77,000	1,500
Other Operating Expenses	1,250	73,000	73,500	500
Amount set aside to Reserves	50,000	-	-	-
TOTAL EXPENSE	663,385	714,900	733,900	19,000
Funding				
Net Funded by General Municipal Levy	663,385	714,900	733,900	
Net incr/(decr) to Municipal Levy				19,000

TABLE 8

Environmental Education

This category includes costs and revenues associated with outdoor education facilities, which provide education and information about conservation, the environment and the Conservation Authority's programs to 50,000 students in 6 school boards and 16,000 members of the general public annually. The majority of funding for this program comes from school boards, the Grand River Conservation Foundation and public program fees.

Specific Activities:

- operate 6 outdoor education centres under contract with watershed school boards, providing hands-on, curriculum-based, outdoor education (App's Mills near Brantford, Taquanyah near Cayuga, Guelph Lake, Laurel Creek in Waterloo, Shade's Mills in Cambridge and Rockwood)
- offer curriculum support materials and workshops to watershed school boards
- offer conservation day camps to watershed children and interpretive community programs to the public (user fees apply)

TABLE 8
GRAND RIVER CONSERVATION AUTHORITY
Environmental Education

OPERATING	Actual 2018	Budget 2018	Budget 2019	Budget change
Expenses:				incr/(decr)
Salary and Benefits	1,023,545	942,400	1,000,000	57,600
Travel, Motor Pool, Expenses, Telephone, Training and Development, IT	95,094	74,300	85,800	11,500
Insurance	10,637	10,000	10,300	300
Property Taxes	12,135	19,400	11,000	(8,400)
Other Operating Expenses	278,746	270,300	275,300	5,000
Amount set aside to Reserves	30,000	30,000		(30,000)
TOTAL EXPENSE	1,450,157	1,346,400	1,382,400	36,000
Funding				(incr)/decr
Provincial & Federal Grants	58,503	-	-	-
Donations	53,233	50,000	50,000	-
Self Generated	985,178	942,000	1,000,500	(58,500)
TOTAL FUNDING	1,096,914	992,000	1,050,500	(58,500)
Net Funded by General Municipal Levy	353,243	354,400	331,900	
Net incr/(decr) to Municipal Levy				(22,500)

TABLE 9

CORPORATE SERVICES

This category includes the costs for goods and services, as listed below, that are provided corporately. A small portion of these costs is recovered from provincial grants, namely from source protection program funding and from the MNR operating grant.

Specific Activities:

This category includes the following departments:

- Office of the Chief Administrative Officer and the Assistant Chief Administrative Officer/Secretary-Treasurer
- Finance
- Human Resources
- Payroll
- Health & Safety
- Office Services

In addition, this category includes expenses relating to:

- The General Membership
- Head Office Building
- Office Supplies, Postage, Bank fees
- Head Office Communication systems
- Insurance
- Audit fees
- Consulting, Legal, Labour Relations fees
- Health and Safety Equipment, Inspections, Training
- Conservation Ontario fees
- Corporate Professional Development
- General expenses

TABLE 9
GRAND RIVER CONSERVATION AUTHORITY
Corporate Services

Budget 2019		Surplus available to offset Municipal Levy Increase
Expenses:	25	
Salary and Benefits	1,897,000	
Travel, Motor Pool, Expenses, Telephone, Training and Development, IT	369,000	
Insurance	57,000	
Other Operating Expenses	1,544,768	
Amount set aside to Reserves		
TOTAL EXPENSE	3,867,768	
Funding		
MNR Grant	70,000	
Recoverable Corporate Services Expenses	70,000	
Funds taken from Reserves	465,000	
TOTAL FUNDING	605,000	
Net Result before surplus adjustments	3,262,768	
Deficit from Other Programs offset by 2018 Surplus Carryforward		(250,400)
2018 Surplus Carried Forward to 2019 used to reduce Levy		469,695
Net Funded by General Municipal Levy	3,262,768	219,295

Budget 2018		Surplus available to offset Municipal Levy Increase
Expenses:		
Salary and Benefits	1,990,000	
Travel, Motor Pool, Expenses, Telephone, Training and Development, IT	337,300	
Insurance	55,000	
Other Operating Expenses	1,087,687	
Amount set aside to Reserves		
TOTAL EXPENSE	3,469,987	
Funding		
MNR Grant	70,000	
Recoverable Corporate Services Expenses	70,000	
Funds taken from Reserves	15,000	
TOTAL FUNDING	155,000	
Net Result before surplus adjustments	3,314,987	
Deficit from Other Programs offset by 2017 Surplus Carryforward		(41,700)
2016 Surplus Carried Forward to 2017 used to reduce Levy		412,314
Net Funded by General Municipal Levy	3,314,987	370,614

ACTUAL 2018		Surplus available to offset Municipal Levy Increase
Expenses:		
Salary and Benefits	1,878,053	
Travel, Motor Pool, Expenses, Telephone, Training and Development, IT	317,991	
Insurance	53,378	
Other Operating Expenses	739,139	
Amount set aside to Reserves	210,000	
TOTAL EXPENSE	3,198,561	
Funding		
MNR Grant	70,000	
Donations/Other	9,049	
Recoverable Corporate Services Expenses	66,023	
TOTAL FUNDING	145,072	
Net Result before surplus/(deficit) adjustments	3,053,489	
Deficit from Other Programs offset by 2016 Surplus Carryforward		(46,688)
2017 Surplus Carried Forward to 2018 used to reduce Levy		412,314
Net Funded by General Municipal Levy	3,053,489	365,626

TABLE 10 (a)

Conservation Lands, Rental Properties, Forestry & Misc

The Conservation Land Management Program includes all expenses and revenues associated with acquisition and management of land owned/managed by the Authority. This includes protection of *Provincially Significant Conservation Lands*, woodlot management, rental/lease agreements and other revenues generated from managing lands and facilities. These expenses do not include those associated with recreation and education programs on GRCA lands.

Specific Activities:

- acquire and manage significant wetlands and floodplain lands, e.g. the Luther Marsh Wildlife Management Area, the Keldon Source Area, the Bannister-Wrigley Complex, and the Dunnville Marsh
- operate “passive” conservation areas in order to conserve forests and wildlife habitat. Some are managed by municipalities or private organizations (Chicopee Ski Club in Kitchener, Scott Park in New Hamburg, etc.)
- develop and maintain extensive trail network on former rail lines owned by GRCA and municipalities (much of this is part of the Trans-Canada Trail network). Necessary funding is raised by The Grand River Conservation Foundation
- rent 733 cottage lots at Belwood Lake and Conestogo Lake; hold leases on over 1200 hectares of agricultural land and 19 residential units, and over 50 other agreements for use of GRCA lands. Income from these rentals aids in the financing of other GRCA programs
- host controlled hunts at various locations including Luther Marsh Wildlife Management Area and Conestogo Lake
- carry out forestry disease control, woodlot thinning and selective harvesting on GRCA lands in accordance with the Forest Management Plan while generating income from sale of timber. Income generated helps pay for future forest management activities
- where appropriate, dispose of lands that have been declared surplus and continue to identify and plan for disposition of other surplus lands. Proceeds from future dispositions will be used for acquisition of “Environmentally Significant Conservation Lands” and for other core programs
- payment of non-insured losses and deductibles for vandalism, loss or theft; miscellaneous amounts recovered from insurance settlements

- investment income arising from reserves and funds received in advance of program expenses

TABLE 10 (b)

HYDRO PRODUCTION

This program generates revenue from ‘hydro production’.

Specific Activities:

- generate hydro from turbines in 2 large dams, Shand and Conestogo; the income is used to fund GRCA programs and repay reserves accordingly for the cost of building/repairing turbines.

TABLE 10 (c)

CONSERVATION AREAS

These programs include costs and revenues associated with delivering recreational programs on GRCA lands and include the costs and revenues associated with day-use, camping, concessions and other activities at GRCA active Conservation Areas.

Specific Activities:

- operate 11 “active” Conservation Areas (8 camping and 3 exclusively day-use) that are enjoyed by over 1.7 million visitors annually. It is estimated that these visitors also help generate significant revenues for the local tourism industry
- offer camping, hiking, fishing, swimming, boating, picnicking, skiing and related facilities
- provide 2,200 campsites – second only to the provincial park system as a provider of camping accommodation in Ontario

TABLE 10
GRAND RIVER CONSERVATION AUTHORITY
OTHER PROGRAMS - OPERATING - SUMMARY of Results

	Conservation Lands	Property Rentals	MISC	(a) Cons Lands, Rental, Misc	(b) Hydro Production	(c) Conservation Areas	TOTAL Other Programs
Budget 2019 - OPERATING							
Expenses:							
Salary and Benefits	1,144,800	576,000	-	1,720,800	43,500	4,502,000	
Travel, Motor Pool, Expenses, Telephone, Training and Development, IT	149,600	74,500	-	224,100	-	177,000	
Insurance	147,300	16,500	-	163,800	-	-	
Property Taxes	-	101,000	-	101,000	-	62,000	
Other Operating Expenses (consulting etc)	654,000	826,700	70,000	1,550,700	89,500	2,844,000	
Amount set aside to Reserves	70,000	-	-	70,000	70,000	300,000	
TOTAL EXPENSE	2,165,700	1,594,700	70,000	3,830,400	203,000	7,885,000	11,918,400
Funding							
Donations	50,000	-	-	50,000	-	-	
Self Generated	86,000	2,875,000	148,000	3,109,000	473,000	7,885,000	
Funds taken from Reserves	1,000	150,000	-	151,000	-	-	
TOTAL FUNDING	137,000	3,025,000	148,000	3,310,000	473,000	7,885,000	11,668,000
NET Surplus/(Deficit) for programs not funded by general levy	(2,028,700)	1,430,300	78,000	(520,400)	270,000	-	(250,400)
Budget 2018 - OPERATING							
Expenses:							
Salary and Benefits	1,042,500	574,000	-	1,616,500	42,000	4,177,000	
Travel, Motor Pool, Expenses, Telephone, Training and Development, IT	156,500	73,000	-	229,500	-	173,000	
Insurance	143,000	15,500	-	158,500	-	-	
Property Taxes	-	98,000	-	98,000	-	60,000	
Other Operating Expenses (consulting etc)	605,000	834,900	70,000	1,509,900	88,000	2,700,000	
Amount set aside to Reserves	-	-	-	-	70,000	300,000	
TOTAL EXPENSE	1,947,000	1,595,400	70,000	3,612,400	200,000	7,410,000	11,222,400
Funding							
Donations	65,000	-	-	65,000	-	-	
Self Generated	86,000	2,900,700	148,000	3,134,700	470,000	7,410,000	
Funds taken from Reserves	1,000	100,000	-	101,000	-	-	
TOTAL FUNDING	152,000	3,000,700	148,000	3,300,700	470,000	7,410,000	11,180,700
NET Surplus/(Deficit) for programs not funded by general levy	(1,795,000)	1,405,300	78,000	(311,700)	270,000	-	(41,700)
Actual 2018 - OPERATING							
Expenses:							
Salary and Benefits	1,107,523	534,906	-	1,642,429	59,521	4,301,700	
Travel, Motor Pool, Expenses, Telephone, Training and Development, IT	125,881	63,787	-	189,668	538	190,292	
Insurance	136,906	15,106	-	152,012	-	-	
Property Taxes	-	105,575	-	105,575	-	61,812	
Other Expenses	527,556	877,485	63,754	1,468,795	74,618	3,178,210	
Amount set aside to Reserves	42,885	125,000	-	167,885	202,000	841,000	
TOTAL EXPENSE	1,940,751	1,721,859	63,754	3,726,364	336,677	8,573,014	12,636,055
Funding							
Donations	82,988	-	1,009	83,997	-	37,349	
Self Generated	101,132	2,888,225	170,778	3,160,135	556,736	8,536,246	
Funds taken from Reserves	-	214,904	-	214,904	-	-	
TOTAL FUNDING	184,120	3,103,129	171,787	3,459,036	556,736	8,573,595	12,589,367
NET Surplus/(Deficit) for programs not funded by general levy	(1,756,631)	1,381,270	108,033	(267,328)	220,059	581	(46,688)

OTHER INFORMATION

1. INFORMATION SYSTEMS & TECHNOLOGY - COMPUTER CHARGES

The work of the IS&T Group including wages, capital purchases and ongoing maintenance and operations is funded through the Information Systems and Technology Reserve. The IS&T Reserve is sustained through a charge back framework. A “Computer Charge” is allocated to the individual programs based on the number of users and the nature of system usage or degree of reliance on IS&T activities and services.

The *Information Systems and Technology* (IS&T) group leads GRCA’s information management activities; develops and acquires business solutions; and oversees investment in information and communications technology as detailed below:

Specific Activities:

- Develop and implement GRCA's long-term information management, information technology and communications plans.
- Assess business needs and develop tools to address requirements, constraints and opportunities. Acquire and implement business and scientific applications for use at GRCA. Manage information technology and business solutions implementation projects on behalf of GRCA, GRCF and the Lake Erie Source Protection Region.
- Develop, and implement GRCA’s Geographic Information Systems (GIS) technology and spatial data infrastructure. Manage GRCA’s water-related data. Create and maintain standards for the development, use and sharing of corporate data. Develop policies and implement tools to secure GRCA’s data and IT and communications infrastructure.
- Acquire, manage and support GRCA’s server, storage, network and personal computer infrastructure to support geographic information systems (GIS); flood forecasting and warning, including real-time data collection; database and applications development; website hosting; electronic mail; internet access; personal computing applications; and administration systems, including finance, property and human resources.
- Develop and operate a wide area network connecting 14 sites and campus style wireless point-to-multipoint networks at Head Office, Conservation Areas, Nature Centres and Flood Control Structures. Develop and operate an integrated Voice over IP Telephone network covering nine sites and 220 handsets. Support and manage mobile phones, smart phones and pagers. Develop, implement and maintain GRCA’s IS&T disaster recovery plan.
- Operate on-line campsite reservation and day-use systems with computers in 10 Conservation Areas. Provide computers and phone systems for use at outdoor education centres.
- Build and maintain working relationships with all other departments within GRCA. Develop and maintain partnerships and business relationships with all levels of government, Conservation Ontario, private industry and watershed communities with respect to information technology, information management, business solutions and data sharing.

2. VEHICLE, EQUIPMENT – MOTOR POOL CHARGES

Motor Pool charges are allocated to the individual sections based on usage of motor pool equipment. Effectively, motor pool charges are included with administrative costs or other operating expenses, as applicable, on Tables 1 to 10.

Specific Activities:

- Maintain a fleet of vehicles and equipment to support all GRCA programs.
- Purchases of new vehicles and/or equipment.
- Disposal of used equipment.
- Lease certain equipment.

SECTION B

BASE PROGRAMS – CAPITAL

SECTION B – CAPITAL BUDGET

Capital Spending in 2018 includes spending in the following program areas:

- Water Resources Planning
- Flood Forecasting and Warning
- Water Control Structures
- Conservation Areas

Water Resources Planning expenditures will be for water quality monitoring equipment.

Flood forecasting and warning expenditures will be for software systems and gauge equipment.

Water Control Structures expenditures will include the following projects:

- Brantford Dikes - floodwall repairs and permanent closure of abandon railway openings
- Cambridge Dikes - floodwall repairs, coordinated closely with City of Cambridge
- Bridgeport Dikes - address seepage issues
- Conestogo Dam - gate control system upgrades and concrete repair designs
- Shand Dam - standby generator enhancements and temporary stoplog design to allow isolation of gates
- Wellesley Dam - concrete and embankment repairs
- New Dundee Dam - gate refurbishment
- St. Jacobs Dam - concrete and embankment repairs

Conservation Area capital spending includes expenditures as part of the regular maintenance program as well as spending on major repairs and new construction. In 2019, major capital projects within the Conservation Areas will include:

- Elora Gorge – Pines campground expansion
- Eora Gorge – Planning for new day use area
- Byng – washroom
- Brant – playground
- Pinehurst – automatic gates
- Guelph Lake - workshop

Corporate Services capital spending represents the portion of overall Information Services and Motor Pool expenses that are funded by the Information Technology (IT) and Motor Pool (MP) reserve. See “Other Information” above for spending descriptions for IT and MP.

SECTION B - Capital Budget

GRAND RIVER CONSERVATION AUTHORITY

Budget 2019

	Water Resources Planning & Environment	FFW	Flood Control Expenses	Conservation Land Management (Sch 4)	Conservation Areas	Corporate Services	BUDGET TOTAL
Expenses:							
WQ Monitoring Equipment & Instruments	110,000						110,000
Flood Forecasting Warning Hardware and Gauges		190,000					190,000
Flood Control Structures-Major Maintenance			1,500,000				1,500,000
Conservation Areas Capital Projects					2,590,000		2,590,000
Net IT/MP Capital Spending not allocated to Departments						207,700	207,700
TOTAL EXPENSE	110,000	190,000	1,500,000	-	2,590,000	207,700	4,597,700
Funding							
Prov & Federal Govt			700,000				700,000
Self Generated					965,000		965,000
Funding from Reserves	50,000				1,625,000	207,700	1,882,700
TOTAL FUNDING	50,000	-	700,000	-	2,590,000	207,700	3,547,700
Net Funded by General CAPITAL Levy	60,000	190,000	800,000	-	-	-	1,050,000

BUDGET 2018 - CAPITAL

	Water Resources Planning & Environment	FFW	Flood Control Expenses	Conservation Land Management (Sch 4)	Conservation Areas	Corporate Services	BUDGET TOTAL
Expenses:							
WQ Monitoring Equipment & Instruments	110,000						110,000
Flood Forecasting Warning Hardware and Gauges		190,000					190,000
Flood Control Structures-Major Maintenance			1,500,000				1,500,000
Conservation Areas Capital Projects					1,820,000		1,820,000
Net IT/MP Capital Spending not allocated to Departments						290,000	290,000
TOTAL EXPENSE	110,000	190,000	1,500,000	-	1,820,000	290,000	3,910,000
Funding							
Prov & Federal Govt			700,000				700,000
Self Generated					670,000		670,000
Funding from Reserves	50,000				1,150,000	290,000	1,490,000
TOTAL FUNDING	50,000	-	700,000	-	1,820,000	290,000	2,860,000
Net Funded by General CAPITAL Levy	60,000	190,000	800,000	-	-	-	1,050,000

ACTUAL 2018 - CAPITAL

	Water Resources Planning & Environment	FFW	Flood Control Expenses	Conservation Land Management (Sch 4)	Conservation Areas	Corporate Services	ACTUAL TOTAL
Expenses:							
WQ Monitoring Equipment & Instruments	97,368						97,368
Flood Forecasting Warning Hardware and Gauges		161,212					161,212
Flood Control Structures-Major Maintenance			1,274,516				1,274,516
Conservation Areas Capital Projects					1,791,805		1,791,805
Funding to Reserves		30,000	60,000			6,189	96,189
Net IT/MP Expenses in excess of chargebacks						237,419	237,419
TOTAL EXPENSE	97,368	191,212	1,334,516	-	1,791,805	243,608	3,658,509
Funding							
Prov & Federal Govt			576,318			6,189	582,507
Self Generated					623,805		623,805
Funding from Reserves				-	1,168,000	237,419	1,405,419
TOTAL FUNDING	-	-	576,318	-	1,791,805	243,608	2,611,731
Net Funded by General CAPITAL Levy	97,368	191,212	758,198	-	-	-	1,046,778

SECTION C

SPECIAL PROJECTS

SECTION C – SPECIAL PROJECTS

This category of activity represents projects that the GRCA undertakes where special one time and/or multi-year funding is applicable. The duration of these projects is typically one year although in some instances projects may extend over a number years, such as Source Protection Planning. External funding is received to undertake these projects.

The main project in this category is the provincial Source Protection Planning program under the *Clean Water Act, 2006*. Plan development work commenced in 2004, with plan implementation starting in 2015. Work includes research and studies related to the development and updates of a Drinking Water Source Protection Plan for each of the four watersheds in the Lake Erie Source Protection Region. The focus in 2019 is on completing updates to the Grand River Source Protection Plan, including water quantity risk assessment studies, development of water quantity policies, updating water quality vulnerability assessments, and the development of the first annual progress report for the Grand River Source Protection Plan.

Other special projects in the area of watershed stewardship include the “Rural Water Quality Program” grants, Emerald Ash borer infestation management, floodplain mapping projects, Upper Blair subwatershed study, waste water optimization project, water festivals, Dunnville Fishway study, the Mill Creek Ranger stream restoration project and numerous ecological restoration projects on both GRCA lands and private lands in the watershed.

SECTION C - Special Projects Budget

GRAND RIVER CONSERVATION AUTHORITY

Budget 2019

EXPENDITURES	ACTUAL 2018	BUDGET 2018	BUDGET 2019
Grand River Management Plan	87,714	20,000	70,000
Subwatershed Plans - City of Kitchener	77,683	100,000	100,000
Dunnville Fishway Study	-	-	30,000
Natural Heritage Study-Wellington	37,887	30,000	-
Waste Water Optimization Program	122,831	135,000	140,000
Floodplain Mapping	425,964	850,000	560,000
RWQP - Capital Grants	954,884	800,000	800,000
Brant/Brantford Children's Water Festival	26,187	26,000	26,000
Haldimand Children's Water Festival	27,980	40,000	25,000
Species at Risk	37,510	70,000	70,000
Ecological Restoration	137,911	270,000	130,000
AGGP-UofG Research Buffers	27,741	-	-
Great Lakes SHSM Event	3,004	-	-
Great Lakes Agricultural Stewardship Initiative	4,895	-	-
Trails Capital Maintenance	-	-	150,000
Emerald Ash Borer	350,184	400,000	600,000
Lands Mgmt - Land Purchases/Land Sale Expenses	269,473	-	-
Lands Mgmt - Development Costs	-	50,000	50,000
Mill Creek Rangers	28,236	35,000	35,000
Parkhill Hydro Turbine Project	80,721	300,000	-
Dickson Trail and Boardwalk Rehabilitation	15,679	20,000	-
Total SPECIAL Projects 'Other'	2,716,484	3,146,000	2,786,000
Source Protection Program	1,384,626	1,575,000	835,000
Total SPECIAL Projects Expenditures	4,101,110	4,721,000	3,621,000
SOURCES OF FUNDING			
Provincial Grants for Source Protection Program	1,384,626	1,575,000	835,000
OTHER GOVT FUNDING	1,894,028	1,675,000	1,630,000
SELF-GENERATED	154,428	381,000	386,000
FUNDING FROM/(TO) RESERVES	668,028	1,090,000	770,000
Total SPECIAL Funding	4,101,110	4,721,000	3,621,000

APPENDIX A

GRAND RIVER CONSERVATION AUTHORITY MEMBERS (2019)

Region of Waterloo (including Cities of Kitchener, Waterloo, Cambridge and Townships of North Dumfries, Wellesley, Wilmot and Woolwich)

Les Armstrong (Wilmot), Jim Erb (Waterloo), Sue Foxton (North Dumfries), Michael Harris (Kitchener), Helen Jowett (Cambridge), Geoff Lorentz (Kitchener), Kathryn McGarry (Cambridge), Jane Mitchell (citizen appointment), Joe Nowak (Wellesley), and Warren Stauch (citizen appointment)

Regional Municipality of Halton

Vacant (as of February 15, 2019)

Haldimand and Norfolk Counties

Bernie Corbett and Dan Lawrence

City of Hamilton

George Stojanovic

County of Oxford

Bruce Banbury

City of Brantford

David Neumann and Vic Prendergast

City of Guelph

Bob Bell and Rodrigo Goller

Townships of Amaranth, East Garafraxa, Southgate and Melancthon and Town of Grand Valley

Guy Gardhouse

Townships of Mapleton and Wellington North

Bruce Whale

Municipality of North Perth and Township of Perth East

Don Brunk

Township of Centre Wellington

Ian MacRae

Town of Erin, Townships of Guelph-Eramosa and Puslinch

Chris White

County of Brant

Brian Coleman and Joan Gatward