



Draft **BUDGET 2021**

Investing in our community.
Moving Ottawa forward.

**Standing Committee on Environmental Protection,
Water and Waste Management – Rate Supported**

Tabled November 4, 2020

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Public Works & Environmental Services Department

2021 Service Area Summary - Drinking Water Services

Drinking Water Services is responsible for the production and distribution of safe, high-quality drinking water through the operation and maintenance of the Ottawa's water supply. The central system includes the Britannia and Lemieux Island Water Purification Plants and treated water from both plants is pumped into a vast water distribution network that includes 16 pumping stations, 5 reservoirs, 4 elevated tanks, and 3,800 km of watermain pipes. In addition, the City operates six municipal well systems: Carp Drinking Water System, Kings Park (Richmond) Drinking Water System, Munster Hamlet Drinking Water System, Richmond West (Richmond) Drinking Water System, Shadow Ridge (Greely) Drinking Water System and Vars Drinking Water System.

Programs/Services Offered

- Day to day operations and maintenance for treatment plants, pump stations, reservoirs, tanks, and well systems
- Operation of a dedicated computer-control (SCADA) system to monitor all water operations 24/7
- Compliance with all drinking water regulations, inspections, audits, and operator certification requirements
- Distribution system operation, inspection and maintenance (pipe disinfection, system isolation, connections, repairs) for approximately 3,800 km of watermains and 58,000 valves
- Emergency and scheduled repair of watermain breaks throughout distribution system ~250 break repairs per year
- First Response - 24 hour per day response for residents with drinking water and wastewater concerns
- Provision of fire protection through inspection, maintenance and repair of over 23,000 public fire hydrants
- Maintaining the City's accreditation as an Operating Authority for the Drinking Water Quality Management System
- Process optimization, research, and continual improvements to the water treatment process
- Water quality sampling, testing, monitoring, and reporting of 100,000 tests per year for quality assurance
- Customer service for on-site water quality testing, complaints, water meters, inquiries, etc.
- Technical and operational support for capital infrastructure renewal and development projects
- Participation in water industry activities and organizations (committees, university research, advisory councils, etc.)

City of Ottawa
Public Works & Environmental Services Department
Drinking Water Services - Operating Resource Requirement
In Thousands (\$000)

	2019	2020		2021	\$ Change over 2020 Budget
	Actual	Forecast	Budget	Estimate	
Expenditures by Program					
Water Operations	54,703	54,581	58,595	59,803	1,208
Technical Innovation & Engineering Support Services	6,398	7,334	7,387	7,283	-104
Business & Technical Support Services	1,340	1,418	1,856	1,797	-59
Non Departmental	120,882	123,583	123,583	127,755	4,172
Gross Expenditure	183,323	186,916	191,421	196,638	5,217
Recoveries & Allocations	-2,866	-2,942	-2,942	-2,942	0
Revenue	-180,604	-187,179	-188,479	-193,696	-5,217
Net Requirement	-147	-3,205	0	0	0
Expenditures by Type					
Salaries, Wages & Benefits	30,011	31,643	33,416	34,362	946
Overtime	1,559	1,937	1,937	1,976	39
Material & Services	19,832	18,366	20,603	20,618	15
Transfers/Grants/Financial Charges	97,434	99,799	99,894	102,794	2,900
Fleet Costs	3,053	2,982	3,292	3,337	45
Program Facility Costs	0	0	0	0	0
Other Internal Costs	31,434	32,189	32,279	33,551	1,272
Gross Expenditures	183,323	186,916	191,421	196,638	5,217
Recoveries & Allocations	-2,866	-2,942	-2,942	-2,942	0
Net Expenditure	180,457	183,974	188,479	193,696	5,217
Revenues By Type					
Federal	0	0	0	0	0
Provincial	0	0	0	0	0
Own Funds	-2,195	0	0	0	0
Fees and Services	-178,409	-187,179	-188,479	-193,696	-5,217
Fines	0	0	0	0	0
Other	0	0	0	0	0
Total Revenue	-180,604	-187,179	-188,479	-193,696	-5,217
Net Requirement	-147	-3,205	0	0	0
Full Time Equivalent			316.94	316.94	0.00

City of Ottawa
Public Works & Environmental Services Department
Drinking Water Services - User Fees

	2019 Rate \$	2020 Rate \$	2021 Rate \$	% Change Over 2020	% Change Over 2019	Effective Date	2021 Revenue (\$000)
Water Services Connection							
All sizes of Service Pipe							
Cost plus 15%, hourly	144.00	147.00	150.00	2.0%	4.2%	01-Jan-21	
Additional visit (service connection 20 mm-50 mm) - Cost plus 15%, hourly (new fee)	144.00	147.00	150.00	2.0%	4.2%	01-Jan-21	
Additional visit (service connection > 50 mm) - Cost plus 15%, hourly (new fee)	207.00	211.00	215.00	1.9%	3.9%	01-Jan-21	
Private service connection - Cost plus 15%, hourly (new fee)	144.00	147.00	150.00	2.0%	4.2%	01-Jan-21	
Services							
All Thawing of Services							
Cost plus 15%, hourly	175.00	179.00	185.00	3.4%	5.7%	01-Jan-21	
Fire Flow Test Support	261.00	266.00	271.00	1.9%	3.8%	01-Jan-21	
Service Charges							
Turn water services off and on for non payment	190.00	196.00	202.00	3.1%	6.3%	01-Jan-21	
Turn off or on of water services (per operation)	95.00	98.00	101.00	3.1%	6.3%	01-Jan-21	
Permit for Flusher Hydrant Usage	276.00	282.00	288.00	2.1%	4.3%	01-Jan-21	
Blanking of Water Services							
All sizes	Cost plus 15% \$3,000.00 deposit	Cost plus 15% \$4,000.00 deposit	Cost plus 15% \$4,000.00 deposit			01-Jan-21	
Inspection Fees (Inspection of activities connected to the water distribution system)							
All new watermains and services that don't require full disinfection	204.00	208.00	212.00	1.9%	3.9%	01-Jan-21	
All new watermains and services up to 50m long that require full disinfection	606.00	618.00	630.00	1.9%	4.0%	01-Jan-21	
All new watermains and services over 50m long that require full disinfection	Cost plus 15%	Cost plus 15%	Cost plus 15%			01-Jan-21	

City of Ottawa
Public Works & Environmental Services Department
Drinking Water Services - User Fees

	2019 Rate \$	2020 Rate \$	2021 Rate \$	% Change Over 2020	% Change Over 2019	Effective Date	2021 Revenue (\$000)
Meter Service Charges							
Inspection/Re-Inspection for New Water Meters (<= 20 mm meter)	99.00	102.00	106.00	3.9%	7.1%	01-Jan-21	
Meter Maintenance Service Call	170.00	175.00	181.00	3.4%	6.5%	01-Jan-21	
Water Meter Accuracy Test (<= 25 mm meter)	140.00	144.00	149.00	3.5%	6.4%	01-Jan-21	
Water Meter Accuracy Test (> 25 mm meter) (New in 2019)	187.00	193.00	199.00	3.1%	6.4%	01-Jan-21	
Additional visits (<= 25 mm meter)	66.00	68.00	70.00	2.9%	6.1%	01-Jan-21	
Additional visits (large meters greater than 25 mm)	110.00	113.00	117.00	3.5%	6.4%	01-Jan-21	
Additional visits (fire line meters)	206.00	213.00	220.00	3.3%	6.8%	01-Jan-21	
Manual Meter Reading Fee	39.00	40.00	41.00	2.5%	5.1%	01-Jan-21	
New Water Meters							
Size of Meter							
15 mm Pos. Disp.	370.00	381.00	400.00	5.0%	8.1%	01-Jan-21	
15 mm Pos. Disp.(Carlsbad only)	565.00	582.00	602.00	3.4%	6.5%	01-Jan-21	
20 mm Pos. Disp.	415.00	428.00	443.00	3.5%	6.7%	01-Jan-21	
25 mm Pos. Disp.	488.00	503.00	521.00	3.6%	6.8%	01-Jan-21	
40 mm Pos. Disp.	910.00	937.00	970.00	3.5%	6.6%	01-Jan-21	
50 mm Pos. Disp.	1,010.00	1,040.00	1,077.00	3.6%	6.6%	01-Jan-21	
75 mm Magnetic	2,485.00	2,560.00	2,335.00	-8.8%	-6.0%	01-Jan-21	
75 mm Ultrasonic	3,630.00	3,739.00	3,292.00	-12.0%	-9.3%	01-Jan-21	
100 mm Magnetic	3,035.00	3,126.00	2,836.00	-9.3%	-6.6%	01-Jan-21	
100 mm Ultrasonic	4,775.00	4,918.00	3,753.00	-23.7%	-21.4%	01-Jan-21	
150 mm Magnetic	5,000.00	5,150.00	5,230.00	1.6%	4.6%	01-Jan-21	
150 mm Ultrasonic	7,700.00	7,931.00	5,641.00	-28.9%	-26.7%	01-Jan-21	
Fire Line Meter Assembly - Cost plus 15%, hourly	208.00	215.00	223.00	3.7%	7.2%	01-Jan-21	

City of Ottawa
Public Works & Environmental Services Department
Drinking Water Services - User Fees

	2019 Rate \$	2020 Rate \$	2021 Rate \$	% Change Over 2020	% Change Over 2019	Effective Date	2021 Revenue (\$000)
Replacement Water Meters							
Size of Meter							
15 mm Pos. Disp.	271.00	279.00	289.00	3.6%	6.6%	01-Jan-21	
15 mm Pos. Disp.(Carlsbad only)	275.00	284.00	294.00	3.5%	6.9%	01-Jan-21	
20 mm Pos. Disp.	313.00	322.00	333.00	3.4%	6.4%	01-Jan-21	
25 mm Pos. Disp.	385.00	398.00	412.00	3.5%	7.0%	01-Jan-21	
40 mm Pos. Disp.	773.00	796.00	824.00	3.5%	6.6%	01-Jan-21	
50 mm Pos. Disp.	877.00	903.00	935.00	3.5%	6.6%	01-Jan-21	
75 mm Magnetic	2,350.00	2,421.00	2,096.00	-13.4%	-10.8%	01-Jan-21	
75 mm Ultrasonic	3,430.00	3,533.00	3,051.00	-13.6%	-11.0%	01-Jan-21	
100 mm Magnetic	2,905.00	2,992.00	2,595.00	-13.3%	-10.7%	01-Jan-21	
100 mm Ultrasonic	4,580.00	4,717.00	3,512.00	-25.5%	-23.3%	01-Jan-21	
150 mm Magnetic	4,785.00	4,929.00	4,998.00	1.4%	4.5%	01-Jan-21	
150 mm Ultrasonic	7,425.00	7,648.00	5,400.00	-29.4%	-27.3%	01-Jan-21	
Temporary removal and installation of meter	139.00	143.00	150.00	4.9%	7.9%	01-Jan-21	
City water meter reading device (new or damaged) replacement	212.00	219.00	227.00	3.7%	7.1%	01-Jan-21	
City water meter reading device and/or water meter reader wire re-location	168.00	173.00	179.00	3.5%	6.5%	01-Jan-21	
Total for all fees above							-25

City of Ottawa
 Public Works & Environmental Services Department
 Drinking Water Services - User Fees

	2019 Rate \$	2020 Rate \$	2021 Rate \$	% Change Over 2020	% Change Over 2019	Effective Date	2021 Revenue (\$000)
Non Departmental							-5,192
Distribution of Drinking Water							
Variable Rate - per cubic meter water consumed							
0 - 6 m3	0.81	0.83	0.85	3.1%	5.2%	01-Apr-21	
>6 - 25 m3	1.60	1.65	1.70	3.0%	6.4%	01-Apr-21	
>25 - 180 m3	1.77	1.82	1.87	3.1%	5.9%	01-Apr-21	
>180 m3	1.97	2.03	2.09	3.0%	6.2%	01-Apr-21	
Daily Fixed Fee Rates - per meter size							
15 mm	0.33	0.34	0.35	3.0%	5.1%	01-Apr-21	
20 mm	0.48	0.49	0.50	2.0%	4.1%	01-Apr-21	
25 mm	0.81	0.82	0.84	2.4%	3.7%	01-Apr-21	
40 mm	1.61	1.64	1.67	1.8%	3.9%	01-Apr-21	
50 mm	2.57	2.61	2.66	1.9%	3.6%	01-Apr-21	
75 mm	4.83	4.91	5.01	2.0%	3.7%	01-Apr-21	
100 mm	8.05	8.19	8.35	2.0%	3.8%	01-Apr-21	
150 mm	16.09	16.36	16.69	2.0%	3.7%	01-Apr-21	
200 mm	25.75	26.19	26.71	2.0%	3.7%	01-Apr-21	
250 mm	37.02	37.65	38.40	2.0%	3.7%	01-Apr-21	
300 mm	N/A	70.39	71.80	2.0%	N/A	01-Apr-21	
Compound Meter	1.50	1.54	1.58	2.0%	4.7%	01-Apr-21	

City of Ottawa
 Public Works & Environmental Services Department
 Drinking Water Services - User Fees

	2019 Rate \$	2020 Rate \$	2021 Rate \$	% Change Over 2020	% Change Over 2019	Effective Date	2021 Revenue (\$000)
Fire Supply Charge							
Annual cost - per meter size							
15 mm meter	47.21	48.15	49.11	2.0%	4.0%	01-Apr-21	
20 mm meter	83.93	85.61	87.32	2.0%	4.0%	01-Apr-21	
25 mm meter	131.15	133.77	136.45	2.0%	4.0%	01-Apr-21	
40 mm meter	335.72	342.44	349.29	2.0%	4.0%	01-Apr-21	
50 mm meter	524.58	535.07	545.77	2.0%	4.0%	01-Apr-21	
75 mm meter	1,180.29	1,203.89	1,227.97	2.0%	4.0%	01-Apr-21	
100 mm meter	2,098.28	2,140.25	2,183.05	2.0%	4.0%	01-Apr-21	
150 mm meter	4,721.14	4,815.57	4,911.88	2.0%	4.0%	01-Apr-21	
200 mm meter	8,393.15	8,561.01	8,732.23	2.0%	4.0%	01-Apr-21	
250 mm meter	13,114.29	13,376.57	13,644.11	2.0%	4.0%	01-Apr-21	
Total Departmental							-5,217

Public Works & Environmental Services Department

2021 Service Area Summary - Wastewater Services

Wastewater Services is responsible for the management, operations, maintenance and repairs of the wastewater collection system and treatment plant. The collection systems include sanitary and storm sewers, pump stations, combined sewer. All of the City's wastewater is treated at the Robert O. Pickard Environmental Centre (ROPEC) to ensure minimal environmental impact upon re-entry to the Ottawa River. This includes a comprehensive systems operation and maintenance within regulatory framework, and an environmentally sound management of City-owned facilities and collection systems. Wastewater Treatment is also responsible for the operation, maintenance and repair of the Supervisory control and data acquisition (SCADA) system and ROPEC.

Programs/Services Offered

- Operation and maintenance (including cleaning, inspection, and repair) of the wastewater collection system, comprised of over 5,953 km of sanitary, combined, and storm pipes, 94,636 maintenance holes, 103,872 catch basins, and 1,777 stormwater outlets
- Operation and maintenance of 91 sanitary sewage and storm water pumping stations, combined sewage regulators/storage facilities (including the Combined Sewage Storage Tunnel), odour control facilities and ROPEC, where all the City's wastewater is treated
- Sewer Use By-law compliance, monitoring, and enforcement, to ensure discharges into the sewer system are within regulatory limits
- Compliance with all wastewater regulations, inspections, audits, and operator certification requirements
- SCADA system operation, communication, and maintenance
- Operational support for capital infrastructure renewal and development projects, including upgrades to ROPEC facility
- Quality assurance, compliance management and reporting
- Process optimization, and continual improvements to the wastewater system and treatment process

City of Ottawa
Public Works and Environmental Services
Wastewater Services - Operating Resource Requirement
In Thousands (\$000)

	2019	2020		2021	\$ Change over 2020 Budget
	Actual	Forecast	Budget	Estimate	
Expenditures by Program					
Wastewater Operations	43,598	45,234	45,477	46,049	572
Biosolids	4,262	4,646	4,546	4,548	2
Technical Innovation & Engineering Support	5,985	6,248	5,970	6,156	186
Business & Technical Support Services	205	206	191	196	5
Non Departmental	108,792	112,713	112,713	117,732	5,019
Gross Expenditure	162,842	169,047	168,897	174,681	5,784
Recoveries & Allocations	-14,156	-12,699	-12,699	-12,699	0
Revenue	-147,278	-154,528	-156,198	-161,982	-5,784
Net Requirement	1,408	1,820	0	0	0
Expenditures by Type					
Salaries, Wages & Benefits	22,988	23,736	23,471	24,216	745
Overtime	997	761	911	931	20
Material & Services	27,281	27,659	27,929	27,929	0
Transfers/Grants/Financial Charges	89,719	93,493	93,493	97,560	4,067
Fleet Costs	1,506	1,511	1,511	1,511	0
Program Facility Costs	0	0	0	0	0
Other Internal Costs	20,351	21,887	21,582	22,534	952
Gross Expenditures	162,842	169,047	168,897	174,681	5,784
Recoveries & Allocations	-14,156	-12,699	-12,699	-12,699	0
Net Expenditure	148,686	156,348	156,198	161,982	5,784
Revenues By Type					
Federal	0	0	0	0	0
Provincial	0	0	0	0	0
Own Funds	-4,475	-4,477	-4,477	-4,477	0
Fees and Services	-142,803	-150,051	-151,721	-157,505	-5,784
Fines	0	0	0	0	0
Other	0	0	0	0	0
Total Revenue	-147,278	-154,528	-156,198	-161,982	-5,784
Net Requirement	1,408	1,820	0	0	0
Full Time Equivalents			227.65	227.65	0.00

City of Ottawa
Public Works and Environmental Services
Wastewater Services - User Fees

	2019 Rate \$	2020 Rate \$	2021 Rate \$	% Change Over 2020	% Change Over 2019	Effective Date	2021 Revenue (\$000)
Sanitary Sewer Systems							-25
Sewer Use Program - Disposal Fees							
Septic Tank Strength Liquid Material (per cubic meter)	16.77	16.77	17.10	2.0%	2.0%	01-Jan-21	
Holding Tank Strength Liquid Material (per cubic metre)	3.60	3.60	3.67	2.0%	2.0%	01-Jan-21	
Liquid Material Generated Outside the City of Ottawa (per cubic metre)	29.22	29.22	29.81	2.0%	2.0%	01-Jan-21	
Sewer Use Program - Permit Fees			-				
Annual Permit Fee	279.00	285.00	291.00	2.1%	4.3%	01-Jan-21	
Annual Permit Revision Fee	157.00	160.00	163.00	1.9%	3.8%	01-Jan-21	
Sewer Use Program - Discharge Fees			-				
Conveyance Fee	1.50	1.58	1.64	4.0%	9.2%	01-Jan-21	
Treatment Fee	0.93	0.98	1.02	4.0%	9.2%	01-Jan-21	
Sewer Use Program - Discharge Fees - Parameters in Sewage							
Biochemical Oxygen Demand (per kg)	1.66	1.66	1.66	0.0%	0.0%	01-Jan-21	
Suspended Solids (per kg)	0.88	0.88	0.88	0.0%	0.0%	01-Jan-21	
Phenolic Compounds (per kg)	1.66	1.66	1.66	0.0%	0.0%	01-Jan-21	
Kjeldahl Nitrogen (per kg)	6.60	6.60	6.60	0.0%	0.0%	01-Jan-21	
Phosphorus (per kg)	2.66	2.66	2.66	0.0%	0.0%	01-Jan-21	
Sewer Use Program - Administrative Fees							
Special Discharge Agreement Fee	1,085.00	1,107.00	1,129.00	2.0%	4.1%	01-Jan-21	
Sanitary Sewer Agreement Fee	773.00	788.00	804.00	2.0%	4.0%	01-Jan-21	
Compliance Program Fee	1,085.00	1,107.00	1,129.00	2.0%	4.1%	01-Jan-21	
Combined Agreement Fee	1,085.00	1,107.00	1,129.00	2.0%	4.1%	01-Jan-21	
Sanitary Discharge Agreement Revision Fee	233.00	238.00	243.00	2.1%	4.3%	01-Jan-21	
Combined Agreement Revision Fee	233.00	238.00	243.00	2.1%	4.3%	01-Jan-21	
Sanitary Sewer Agreement Revision Fee (per revision)	116.00	118.00	120.00	1.7%	3.4%	01-Jan-21	
Compliance Program Revision Fee (per revision)	233.00	238.00	243.00	2.1%	4.3%	01-Jan-21	

City of Ottawa
Public Works and Environmental Services
Wastewater Services - User Fees

	2019 Rate \$	2020 Rate \$	2021 Rate \$	% Change Over 2020	% Change Over 2019	Effective Date	2021 Revenue (\$000)
Non Departmental							-5,759
Sewer Surcharge for Sanitary and Storm Sewer Systems							
Variable Rate - per cubic meter water consumed							
0 - 6 m3	0.711	0.75	0.78	4.0%	9.1%	01-Apr-21	
>6 - 25 m3	1.420	1.49	1.55	4.0%	9.2%	01-Apr-21	
>25 - 180 m3	1.570	1.65	1.72	4.0%	9.4%	01-Apr-21	
>180 m3	1.760	1.85	1.92	4.0%	9.2%	01-Apr-21	
Daily Fixed Fee Rates - per meter size							
15 mm	0.280	0.29	0.30	3.5%	6.2%	01-Apr-21	
20 mm	0.430	0.44	0.45	2.3%	5.0%	01-Apr-21	
25 mm	0.710	0.73	0.75	2.7%	5.5%	01-Apr-21	
40 mm	1.430	1.47	1.51	2.7%	5.5%	01-Apr-21	
50 mm	2.290	2.35	2.41	2.6%	5.3%	01-Apr-21	
75 mm	4.290	4.40	4.51	2.5%	5.2%	01-Apr-21	
100 mm	7.150	7.34	7.53	2.6%	5.3%	01-Apr-21	
150 mm	14.310	14.68	15.06	2.6%	5.3%	01-Apr-21	
200 mm	22.890	23.49	24.10	2.6%	5.3%	01-Apr-21	
250 mm	32.910	33.77	34.65	2.6%	5.3%	01-Apr-21	
Compound Meter	1.426	1.46	1.49	2.5%	4.7%	01-Apr-21	
Total Departmental							-5,784

Public Works & Environmental Services Department

2021 Service Area Summary - Stormwater Services

Stormwater Services is responsible for the operational planning, development and management of the City's stormwater management facilities, fully accredited and licensed laboratory services and municipal drainage services within a regulatory framework.

Programs/Services Offered

- Operation, maintenance and inspection of all municipal stormwater management facilities including: 133 wet ponds, 100 dry ponds, 83 underground stormwater treatment facilities
- Operation, maintenance and inspection of low impact development stormwater infrastructure (commonly referred to as green infrastructure) that supports environmental conservation and protection of water quality
- Operation and maintenance of the City's rain-gauge monitoring network
- Water quality monitoring within Ottawa's major rivers to assess the environmental effects of regulated municipal infrastructure
- Managing and maintaining laboratory license and accreditation requirements and renewals as required through the Ministry of the Environment, Conservation and Parks and the Accreditation Body (Canadian Association of Laboratory)
- Inspection and maintenance of all existing municipal drains as well approval of all newly constructed or modified drainage works to ensure compliance with the Provincial Drainage Act.
- Administration and investigation of drainage issues related to City-owned drainage easements and private property, outside the Road Right-of-Way (ROW)
- Providing advisory services to residents looking to address problems with drainage around their house in established areas

City of Ottawa
Public Works and Environmental Services
Stormwater Services - Operating Resource Requirement
In Thousands (\$000)

	2019	2020		2021	\$ Change over 2020 Budget
	Actual	Forecast	Budget	Estimate	
Expenditures by Program					
Stormwater Operations	13,089	11,464	11,524	11,739	215
Tehnical Innovation & Engineering Support	1,124	409	409	409	0
Business & Technical Support Services	230	354	354	354	0
Non Departmental	43,967	46,938	46,938	53,313	6,375
Gross Expenditure	58,410	59,165	59,225	65,815	6,590
Recoveries & Allocations	-1,640	-1,767	-1,767	-1,767	0
Revenue	-50,306	-57,738	-57,458	-64,048	-6,590
Net Requirement	6,464	-340	0	0	0
Expenditures by Type					
Salaries, Wages & Benefits	4,654	4,718	4,778	4,888	110
Overtime	21	59	59	59	0
Material & Services	2,302	2,248	2,248	2,353	105
Transfers/Grants/Financial Charges	28,317	33,188	33,188	39,192	6,004
Fleet Costs	261	230	230	230	0
Program Facility Costs	0	0	0	0	0
Other Internal Costs	22,855	18,722	18,722	19,093	371
Gross Expenditures	58,410	59,165	59,225	65,815	6,590
Recoveries & Allocations	-1,640	-1,767	-1,767	-1,767	0
Net Expenditure	56,770	57,398	57,458	64,048	6,590
Revenues By Type					
Federal	0	0	0	0	0
Provincial	-191	-145	-145	-145	0
Own Funds	0	0	0	0	0
Fees and Services	-50,115	-57,593	-57,313	-63,903	-6,590
Fines	0	0	0	0	0
Other	0	0	0	0	0
Total Revenue	-50,306	-57,738	-57,458	-64,048	-6,590
Net Requirement	6,464	-340	0	0	0
Full Time Equivalents			46.02	46.02	0.00

City of Ottawa
Public Works and Environmental Services
Stormwater Services - User Fees

	2019 Rate \$	2020 Rate \$	2021 Rate \$	% Change Over 2020	% Change Over 2019	Effective Date	2021 Revenue (\$000)
Laboratory Services (Tests)							
Alkalinity, PH, Conductivity	10.81	11.03	11.25	2.0%	4.1%	01-Jan-21	
Alkalinity Brinkman (wastewater)	16.27	16.60	16.93	2.0%	4.1%	01-Jan-21	
Biochemical Oxygen Demand	17.79	18.15	18.51	2.0%	4.0%	01-Jan-21	
Carbonaceous Biochemical Demand	17.79	18.15	18.51	2.0%	4.0%	01-Jan-21	
Chloride	12.45	12.70	13.16	3.6%	5.7%	01-Jan-21	
Chemical Oxygen Demand	11.56	11.79	12.03	2.0%	4.1%	01-Jan-21	
Conductivity	10.81	11.03	11.25	2.0%	4.1%	01-Jan-21	
Dissolved Organic Carbon	15.27	15.58	15.89	2.0%	4.1%	01-Jan-21	
E. coli (wastewater)	12.17	12.41	12.66	2.0%	4.0%	01-Jan-21	
Fluoride (SIE)	17.45	17.80	18.16	2.0%	4.1%	01-Jan-21	
Heterotrophic Plate	12.93	13.19	13.45	2.0%	4.0%	01-Jan-21	
Halo Acetic Acid	138.94	141.72	144.55	2.0%	4.0%	01-Jan-21	
ICP-OES Industrial Waste - 28 elements	27.49	28.04	28.60	2.0%	4.0%	01-Jan-21	
ICP-OES Metals Scan - 5 elements	14.24	14.52	14.81	2.0%	4.0%	01-Jan-21	
ICP-OES Metal Scan - 28 elements	23.83	24.31	24.80	2.0%	4.1%	01-Jan-21	
ICP/MS Metal Scan SW/DW - 27 elements	38.42	39.19	39.97	2.0%	4.0%	01-Jan-21	
ICP/MS Lead DW	14.24	14.52	14.81	2.0%	4.0%	01-Jan-21	
Ammonia - Surface/Waste Water	10.81	11.03	11.29	2.4%	4.4%	01-Jan-21	
Ion Chromatography	17.45	17.80	18.16	2.0%	4.1%	01-Jan-21	
Mercury	35.36	36.07	36.79	2.0%	4.0%	01-Jan-21	
Nitrates	12.45	12.70	13.16	3.6%	5.7%	01-Jan-21	
PH	10.81	11.03	11.25	2.0%	4.1%	01-Jan-21	
Reactive Phosphorus	10.81	11.03	11.29	2.4%	4.4%	01-Jan-21	
Soluble Biochemical Oxygen Demand	18.79	19.17	19.55	2.0%	4.0%	01-Jan-21	
Soluble Carbonaceous Biochemical Oxygen Demand	18.79	19.17	19.55	2.0%	4.0%	01-Jan-21	
Soluble Chemical Oxygen Demand	12.56	12.81	13.07	2.0%	4.1%	01-Jan-21	
Specific gravity	22.50	22.95	23.41	2.0%	4.0%	01-Jan-21	
Sulphate	12.45	12.70	13.16	3.6%	5.7%	01-Jan-21	
Soluble Phosphorus	15.72	16.03	16.35	2.0%	4.0%	01-Jan-21	
Soluble Kjeldahl Nitrogen	15.72	16.03	16.35	2.0%	4.0%	01-Jan-21	

City of Ottawa
Public Works and Environmental Services
Stormwater Services - User Fees

	2019 Rate \$	2020 Rate \$	2021 Rate \$	% Change Over 2020	% Change Over 2019	Effective Date	2021 Revenue (\$000)
Laboratory Services (Tests) cont'd							
Total Coliforms - E-Coli (DC)	11.21	11.43	11.66	2.0%	4.0%	01-Jan-21	
Total Coliforms - E-Coli (PA)	21.10	21.52	21.95	2.0%	4.0%	01-Jan-21	
Total Coliforms - E-Coli (MPN)	22.01	22.45	22.90	2.0%	4.0%	01-Jan-21	
Total Kjeldahl Nitrogen	14.72	15.01	15.35	2.3%	4.3%	01-Jan-21	
Total Phosphorus	14.72	15.01	15.35	2.3%	4.3%	01-Jan-21	
Total Solid - Waste Water	11.38	11.61	11.84	2.0%	4.0%	01-Jan-21	
Total Solid - Solid	11.38	11.61	11.84	2.0%	4.0%	01-Jan-21	
Total Suspended Solid	10.63	10.84	11.06	2.0%	4.0%	01-Jan-21	
Trihalomethane/VOC Full Scan	64.30	65.59	66.90	2.0%	4.0%	01-Jan-21	
Volatile Acids	39.59	40.38	41.19	2.0%	4.0%	01-Jan-21	
Volatile Solids - Waste Water	12.11	12.35	12.60	2.0%	4.0%	01-Jan-21	
Volatile Solids - Solids	12.33	12.58	12.83	2.0%	4.1%	01-Jan-21	
Volatile Suspended Solid (Water)	12.27	12.52	12.77	2.0%	4.1%	01-Jan-21	
Drinking Water Anion (Chloride, fluoride, nitrite and nitrate, sulphate)	17.45	17.80	18.16	2.0%	4.1%	01-Jan-21	
Total Nutrients (Ammonia + Ammonia, Reactive Phosphorus)	11.81	12.05	12.29	2.0%	4.1%	01-Jan-21	
TKN/TP (Total Kjeldahl Nitrogen, Total Phosphorus)	15.72	16.03	16.35	2.0%	4.0%	01-Jan-21	
Increase to rates for various lab tests listed above							-10

City of Ottawa
Public Works and Environmental Services
Stormwater Services - User Fees

	2019 Full Tier Rate \$	2020 Full Tier Rate \$	2021 Full Tier Rate \$	% Change Over 2020	% Change Over 2019	Effective Date	2021 Revenue (\$000)
Non Departmental							
Annual Stormwater Service Fees							-6,580
Residential Connected							
Urban Single/Semi	128.31	140.65	154.80	10.1%	20.6%	01-Apr-21	
Rural Single/Semi	128.31	140.65	154.80	10.1%	20.6%	01-Apr-21	
Urban Townhouse/Apt	64.16	70.33	77.40	10.1%	20.6%	01-Apr-21	
Rural Townhouse/Apt	64.16	70.33	77.40	10.1%	20.6%	01-Apr-21	
Residential Non-Connected (2020 100% Phase-In Rate)							
Urban Single/Semi	89.81	98.46	108.36	10.1%	20.7%	01-Apr-21	
Rural Single/Semi	64.16	70.33	77.40	10.1%	20.6%	01-Apr-21	
Urban Townhouse/Apt	44.91	49.23	54.18	10.1%	20.6%	01-Apr-21	
Rural Townhouse/Apt	32.08	35.16	38.70	10.1%	20.6%	01-Apr-21	
Industrial, Commercial and Institutional (ICI)							
ICI Connected Urban and Rural							
0 to 300K Assessment	60.12	65.86	72.53	10.1%	20.6%	01-Apr-21	
>300K to 1M Assessment	284.50	311.68	343.25	10.1%	20.7%	01-Apr-21	
>1M to 5M Assessment	1,061.16	1,162.57	1,280.30	10.1%	20.7%	01-Apr-21	
>5M to 20M Assessment	4,652.04	5,096.62	5,612.78	10.1%	20.7%	01-Apr-21	
>20M to 50M Assessment	14,081.01	15,426.69	16,989.02	10.1%	20.7%	01-Apr-21	
>50M to 100M Assessment	33,984.37	37,232.17	41,002.82	10.1%	20.7%	01-Apr-21	
>100M to 150M Assessment	57,005.90	62,453.81	68,778.77	10.1%	20.7%	01-Apr-21	
>150M Assessment	120,718.81	132,255.61	145,649.67	10.1%	20.7%	01-Apr-21	

City of Ottawa
Public Works and Environmental Services
Stormwater Services - User Fees

	2019 Full Tier Rate \$	2020 Full Tier Rate \$	2021 Full Tier Rate \$	% Change Over 2020	% Change Over 2019	Effective Date	2021 Revenue (\$000)
ICI Non-Connected - Urban (2020 100% Phase-In Rate)							
0 to 300K Assessment	60.12	65.86	72.53	10.1%	20.6%	01-Apr-21	
>300K to 1M Assessment	284.50	311.68	343.25	10.1%	20.7%	01-Apr-21	
>1M to 5M Assessment	1,061.16	1,162.57	1,280.30	10.1%	20.7%	01-Apr-21	
>5M to 20M Assessment	4,652.04	5,096.62	5,612.78	10.1%	20.7%	01-Apr-21	
>20M to 50M Assessment	14,081.01	15,426.69	16,989.02	10.1%	20.7%	01-Apr-21	
>50M to 100M Assessment	33,984.37	37,232.17	41,002.82	10.1%	20.7%	01-Apr-21	
>100M to 150M Assessment	57,005.90	62,453.81	68,778.77	10.1%	20.7%	01-Apr-21	
>150M Assessment	120,718.81	132,255.61	145,649.67	10.1%	20.7%	01-Apr-21	
ICI Non-Connected - Rural (2020 100% Phase-In Rate)							
0 to 300K Assessment	42.08	46.10	50.77	10.1%	20.7%	01-Apr-21	
>300K to 1M Assessment	199.15	218.18	240.27	10.1%	20.6%	01-Apr-21	
>1M to 5M Assessment	742.81	813.80	896.21	10.1%	20.7%	01-Apr-21	
>5M to 20M Assessment	3,256.43	3,567.64	3,928.94	10.1%	20.7%	01-Apr-21	
>20M to 50M Assessment	9,856.71	10,798.69	11,892.31	10.1%	20.7%	01-Apr-21	
>50M to 100M Assessment	23,789.06	26,062.52	28,701.98	10.1%	20.7%	01-Apr-21	
>100M to 150M Assessment	39,904.13	43,717.67	48,145.14	10.1%	20.7%	01-Apr-21	
>150M Assessment	84,503.17	92,578.92	101,954.77	10.1%	20.7%	01-Apr-21	
Total Departmental							-6,590

City Of Ottawa
2021 Draft Capital Budget
Standing Committee on Environmental Protection, Water and Waste Management - Rate
Funding Summary
In Thousands \$(000's)

Project Description	Revenues	Gas Tax	Tax Supported/ Dedicated	Develop. Charges	Develop. Charges Debt	Rate Supported	Rate Supported Debt	Tax Supported/ Dedicated Debt	Grand Total
Drinking Water Services									
Renewal of City Assets									
900631 Carlington Heights Pumping Stn Expansion	-	-	-	628	-	1,616	-	-	2,244
908076 Large Water Meters Changeout Program	-	-	-	-	-	250	-	-	250
908613 Bank St (Rideau Rd-Mitch Owens)	-	-	-	-	-	900	-	-	900
908614 LRT2 W1 Hwy 174 - Shefford Rd	-	-	-	-	-	350	-	-	350
908633 Enhanced Corrosion Control	-	-	-	-	-	3,118	-	-	3,118
908908 Small Water Meters Changeout Program	-	-	-	-	-	3,125	-	-	3,125
910066 2021 Buildings-Water Services	-	-	-	-	-	50	-	-	50
910117 2021 Water System Improvements	-	-	-	-	-	4,500	3,000	-	7,500
910118 2021 WM Transmission/Distribution Rehab	-	-	-	-	-	3,500	2,000	-	5,500
910119 Stanley Ave. (Sussex - Union St)	-	-	-	-	-	500	-	-	500
910133 Water Storage Tanks & Reservoir 2021	-	-	-	-	-	530	-	-	530
910135 Water Pumping Station Facility Rehab2021	-	-	-	-	-	4,290	-	-	4,290
910136 Water Treatment Rehab 2021	-	-	-	-	-	6,025	-	-	6,025
910137 Protective Lead Service Rplment Prog2021	250	-	-	-	-	1,000	-	-	1,250
910138 Water Sys SCADA & Instrument Rehab 2021	-	-	-	-	-	3,518	-	-	3,518
910139 Cathodic Protection 2021	-	-	-	-	-	1,200	-	-	1,200
910140 Ops Condition Assess-Critical Sys Links	-	-	-	-	-	1,000	-	-	1,000
910141 New Vehicles Drinking Water 2021	-	-	-	-	-	75	-	-	75
Renewal of City Assets Total	250	-	-	628	-	35,547	5,000	-	41,425
Growth									
903295 Brittany Pumping Station	-	-	-	1,594	1,833	1,733	3,000	-	8,160
905992 Manotick Supply Watermain	-	-	-	1,340	-	547	-	-	1,887
907456 Manotick North Island Link	-	-	-	1,698	-	189	-	-	1,887
910050 Manotick Supply Watermain - Phase 2	-	-	-	530	-	490	-	-	1,020
910051 2021 Off Site Reliability Links	-	-	-	148	-	16	-	-	164
910052 2021 Groundwater Studies	-	-	-	43	-	346	-	-	389
910053 2021 Rural Servicing Strategy	-	-	-	108	-	108	-	-	216
910054 2021 Water & Wastewater Studies	-	-	-	216	-	54	-	-	270
Growth Total	-	-	-	5,677	1,833	3,483	3,000	-	13,993
Drinking Water Services Total	250	-	-	6,305	1,833	39,030	8,000	-	55,418

City Of Ottawa
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Funding Summary
In Thousands \$(000's)

Project Description	Revenues	Gas Tax	Tax Supported/ Dedicated	Develop. Charges	Develop. Charges Debt	Rate Supported	Rate Supported Debt	Tax Supported/ Dedicated Debt	Grand Total
Integrated Roads, Water & Wastewater									
Renewal of City Assets									
906735 Bank St (Riverside-Ledbury)	-	-	-	-	-	3,667	-	-	3,667
906900 Main Greenfield Echo Concord et al	-	-	-	-	-	3,965	-	-	3,965
906901 CWWF ORAP - Loretta Ave N&S - Laurel St	-	-	-	-	-	1,586	6,000	-	7,586
908138 CWWF Avenue N-O-P-Q-R-S-T-U	-	-	-	-	-	7,769	-	-	7,769
908139 Montreal Rd (N River Rd-St Laurent Blvd)	-	-	-	-	-	2,196	-	-	2,196
908141 ORAP Albert St-Bronson Ave-Slater St	-	-	-	-	-	3,430	-	-	3,430
908570 Byron-Athlone-Highcroft	-	-	-	-	-	3,777	4,700	-	8,477
908572 Fairbairn-Bellwood-Willard-Belmont	-	-	-	-	-	949	-	-	949
908580 CWWF Queensway Terrace North Sewer	-	-	101	-	-	2,936	-	-	3,037
908581 Valley Dr Storm Sewer	-	-	156	-	-	3,729	-	-	3,885
908998 LRT2 R2 Hwy 174 Resurfacing EBL	-	-	-	-	-	36	-	-	36
909394 Arch - Canterbury - Plesser	-	-	-	-	-	7,693	-	-	7,693
909400 Bel-Air Dr, Bedbrooke St et al	-	-	-	-	-	5,441	5,000	-	10,441
909401 Broadview Ave	-	-	-	-	-	706	-	-	706
Renewal of City Assets Total	-	-	257	-	-	47,880	15,700	-	63,837
Integrated Roads, Water & Wastewater Total	-	-	257	-	-	47,880	15,700	-	63,837
Integrated Water & Wastewater									
Renewal of City Assets									
908997 LRT2 SS1 Sewer Upgrades (Byron Ave)	-	-	-	-	-	1,490	-	-	1,490
909492 LRT2 SS2 Richmond Compl Streets	-	-	-	-	-	1,888	-	-	1,888
910078 2021 Sewer Repairs / Improvements	-	-	-	-	-	9,504	-	-	9,504
910079 2021 Sewer Trenchless Rehab	-	-	-	-	-	4,500	-	-	4,500
910080 2021 Sewer CCTV Engineering	-	-	-	-	-	800	-	-	800
Renewal of City Assets Total	-	-	-	-	-	18,182	-	-	18,182
Integrated Water & Wastewater Total	-	-	-	-	-	18,182	-	-	18,182
Stormwater Services									
Renewal of City Assets									
909017 LRT2 C1 Hwy 174 Culverts	-	-	-	-	-	1,010	1,000	-	2,010
909709 2020 Drainage Culverts - CW	-	-	-	-	-	6,120	3,000	-	9,120
910081 2021 Drainage Culverts - CW	-	-	-	-	-	1,382	1,000	-	2,382
910082 2021 Drainage Culverts - Other	-	-	-	-	-	636	-	-	636

City Of Ottawa
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Project Description	Revenues	Gas Tax	Tax Supported/ Dedicated	Develop. Charges	Develop. Charges Debt	Rate Supported	Rate Supported Debt	Tax Supported/ Dedicated Debt	Grand Total
910083 2021 Culverts Scoping Pre/Post Eng.	-	-	-	-	-	700	-	-	700
910086 2021 Storm and Surface Water Rehabilitat	-	-	-	-	-	3,500	-	-	3,500
910204 Stormwater Mgmt: Rehab&Enviro Compliance	-	-	-	-	-	3,500	-	-	3,500
910205 Linear Storm System Improvements 2021	-	-	-	-	-	1,000	2,000	-	3,000
Renewal of City Assets Total	-	-	-	-	-	17,848	7,000	-	24,848
Growth									
909730 2020 Stormwater Master Planning	-	-	-	26	-	25	-	-	51
Growth Total	-	-	-	26	-	25	-	-	51
Regulatory									
910203 Municipal Drain Improvements - 2021	-	-	-	-	-	500	-	-	500
Regulatory Total	-	-	-	-	-	500	-	-	500
Stormwater Services Total	-	-	-	26	-	18,373	7,000	-	25,399
Wastewater Services									
Renewal of City Assets									
909245 Forcemain Condition Assessment & Rehab	-	-	-	-	-	500	-	-	500
909716 Mooney's Bay Trunk Sewer	-	-	-	-	-	1,500	1,500	-	3,000
909724 Pump Stations Capacity Renewal	-	-	-	-	-	1,714	-	-	1,714
909745 Acres Road PS Phase 1 Renewal	-	-	-	-	-	1,900	-	-	1,900
910061 Wastewater Drainage Roofing 2021	-	-	-	-	-	50	-	-	50
910062 Flow Monitoring System Rehab. 2021	-	-	-	-	-	200	-	-	200
910063 SCADA Rehab & Upgrades-Remote Sewer 2021	-	-	-	-	-	1,559	-	-	1,559
910064 Collection System Condition Assess. 2021	-	-	-	-	-	1,160	-	-	1,160
910077 2021 Flood Plain Mapping	-	-	-	-	-	240	-	-	240
910087 2021 ORAP Wet Weather IMP	-	-	-	-	-	2,500	-	-	2,500
910120 Linear Sewage System Improve. Prog. 2021	-	-	-	-	-	1,000	-	-	1,000
910121 Sewer Lateral Repairs 2021	-	-	-	-	-	2,000	2,500	-	4,500
910124 Sewage Pumping Station Rehab Prog 2021	-	-	-	-	-	7,227	10,000	-	17,227
910130 ROPEC - Sewage Treatment Rehab Prog 2021	-	-	-	-	-	6,000	6,222	-	12,222
910131 ROPEC - Concrete Rehab & Repairs 2021	-	-	-	-	-	1,000	-	-	1,000
910132 Wastewater Facilites Upgrade 2021	-	-	-	-	-	500	-	-	500
Renewal of City Assets Total	-	-	-	-	-	29,050	20,222	-	49,272

City Of Ottawa
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In Thousands \$(000's)

Project Description	Revenues	Gas Tax	Tax Supported/ Dedicated	Develop. Charges	Develop. Charges Debt	Rate Supported	Rate Supported Debt	Tax Supported/ Dedicated Debt	Grand Total
Growth									
907462 Pump Stations Capacity Increase	-	-	-	3,248	-	-	-	-	3,248
910048 2021 Infrastructure Master Plan (Sewer)	-	-	-	-	-	510	-	-	510
910076 Carp Wastewater PS Upgrade/Overflow	-	-	918	-	-	1,122	-	-	2,040
910123 DCA-O/S KW Trunk Sewers - 130 Huntmar	-	-	-	75	-	-	-	-	75
Growth Total	-	-	918	3,323	-	1,632	-	-	5,873
Wastewater Services Total	-	-	918	3,323	-	30,682	20,222	-	55,145
Grand Total	250	-	1,175	9,654	1,833	154,147	50,922	-	217,981

* Integrated Roads, Water and Wastewater Program includes the Rate portion only for information purposes.