



Ottawa

Draft

BUDGET

2024

Advancing Ottawa: A plan for a resilient, affordable and connected city

Environment and Climate Change Committee –Rate supported

Tabled – November 8, 2023

Table of Contents

Environment and Climate Change Committee - Rate Supported

Table of Contents

Drinking Water Services	1
Service Area Summary	1
Operating Resource Requirement	2
User Fees	3
Wastewater Services	7
Service Area Summary	7
Operating Resource Requirement	8
User Fees	9
Stormwater Services.	11
Service Area Summary	11
Operating Resource Requirement	12
User Fees	13
Capital Funding Summary	17

Infrastructure and Water Services Department 2024 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
Infrastructure & Water Services Department
Drinking Water Services - Operating Resource Requirement
In Thousands (\$000)

	2022	2023		2024	\$ Change over 2023 Budget
	Actual	Forecast	Budget	Estimate	
Expenditures by Program					
Facilities and Treatment	42,146	43,043	41,758	44,558	2,800
Linear and Customer Service	33,514	35,515	37,515	38,735	1,220
Non Departmental	134,495	137,652	137,952	138,282	330
Gross Expenditure	210,155	216,210	217,225	221,575	4,350
Recoveries & Allocations	(13,331)	(13,812)	(13,827)	(13,872)	(45)
Revenue	(196,684)	(203,698)	(203,398)	(207,703)	(4,305)
Net Requirement	140	(1,300)	0	0	0
Expenditures by Type					
Salaries, Wages & Benefits	28,391	28,980	30,480	32,205	1,725
Overtime	1,440	1,487	1,987	2,027	40
Material & Services	23,181	23,639	22,354	24,524	2,170
Transfers/Grants/Financial Charges	105,966	106,210	106,510	105,625	(885)
Fleet Costs	3,330	3,141	3,641	3,641	0
Program Facility Costs	0	0	0	0	0
Other Internal Costs	47,847	52,753	52,253	53,553	1,300
Gross Expenditures	210,155	216,210	217,225	221,575	4,350
Recoveries & Allocations	(13,331)	(13,812)	(13,827)	(13,872)	(45)
Net Expenditure	196,824	202,398	203,398	207,703	4,305
Revenues By Type					
Federal	0	0	0	0	0
Provincial	0	0	0	0	0
Own Funds	(612)	(750)	(650)	(650)	0
Fees and Services	(196,072)	(202,948)	(202,748)	(207,053)	(4,305)
Fines	0	0	0	0	0
Other	0	0	0	0	0
Total Revenue	(196,684)	(203,698)	(203,398)	(207,703)	(4,305)
Net Requirement	140	(1,300)	0	0	0
Full Time Equivalents			283.86	283.86	0.00

City of Ottawa
Infrastructure & Water Services Department
Drinking Water Services - User Fees

	2022 Rate \$	2023 Rate \$	2024 Rate \$	% Change Over 2023	% Change Over 2022	Effective Date	2024 Revenue (\$000)
Water Services Connection							(50)
All sizes of Service Pipe							
Cost plus 15%, hourly	153.00	156.00	160.00	2.6%	4.6%	01-Jan-24	
Additional visit (service connection 20 mm-50 mm) - Cost plus 15%, hourly (new fee)	153.00	156.00	160.00	2.6%	4.6%	01-Jan-24	
Additional visit (service connection > 50 mm) - Cost plus 15%, hourly (new fee)	219.00	223.00	229.00	2.7%	4.6%	01-Jan-24	
Private service connection - Cost plus 15%, hourly (new fee)	153.00	156.00	160.00	2.6%	4.6%	01-Jan-24	
Services							
All Thawing of Services							
Cost plus 15%, hourly	191.00	195.00	200.00	2.6%	4.7%	01-Jan-24	
Fire Flow Test Support	276.00	282.00	290.00	2.8%	5.1%	01-Jan-24	
Service Charges							
Turn water services off and on for non payment	208.00	212.00	218.00	2.8%	4.8%	01-Jan-24	
Turn off or on of water services (per operation)	104.00	106.00	109.00	2.8%	4.8%	01-Jan-24	
Permit for Flusher Hydrant Usage	297.00	303.00	311.00	2.6%	4.7%	01-Jan-24	
Blanking of Water Services							
All sizes	Cost plus 15% \$4,000.00 deposit	Cost plus 15% \$4,000.00 deposit	Cost plus 15% \$4,000.00 deposit	0.0%	0.0%	01-Jan-24	

City of Ottawa
Infrastructure & Water Services Department
Drinking Water Services - User Fees

	2022 Rate \$	2023 Rate \$	2024 Rate \$	% Change Over 2023	% Change Over 2022	Effective Date	2024 Revenue (\$000)
Inspection Fees (Inspection of activities connected to the water distribution system)							
All new watermains and services that don't require full disinfection	216.00	220.00	226.00	2.7%	4.6%	01-Jan-24	
All new watermains and services up to 50m long that require full disinfection	643.00	656.00	673.00	2.6%	4.7%	01-Jan-24	
All new watermains and services over 50m long that require full disinfection	Cost plus 15%	Cost plus 15%	Cost plus 15%	0.0%	0.0%	01-Jan-24	
Fees Managed by Revenue Services							
Meter Service Charges							
Inspection/Re-Inspection for New Water Meters (<= 20 mm meter)	109.00	112.00	115.00	2.7%	5.5%	01-Jan-24	
Meter Maintenance Service Call	186.00	192.00	197.00	2.6%	5.9%	01-Jan-24	
Water Meter Accuracy Test (<= 25 mm meter)	153.00	153.00	157.00	2.6%	2.6%	01-Jan-24	
Water Meter Accuracy Test (> 25 mm meter) (New in 2019)	205.00	205.00	205.00	0.0%	0.0%	01-Jan-24	
Additional visits (<= 25 mm meter)	72.00	74.00	76.00	2.7%	5.6%	01-Jan-24	
Additional visits (large meters greater than 25 mm)	121.00	121.00	124.00	2.5%	2.5%	01-Jan-24	
Additional visits (fire line meters)	227.00	234.00	240.00	2.6%	5.7%	01-Jan-24	
Manual Meter Reading Fee	42.00	43.00	44.00	2.3%	4.8%	01-Jan-24	

City of Ottawa
Infrastructure & Water Services Department
Drinking Water Services - User Fees

	2022 Rate \$	2023 Rate \$	2024 Rate \$	% Change Over 2023	% Change Over 2022	Effective Date	2024 Revenue (\$000)
New Water Meters							
Size of Meter							
15 mm Pos. Disp.	412.00	424.00	435.00	2.6%	5.6%	01-Jan-24	
15 mm Pos. Disp.(Carlsbad only)	620.00	639.00	655.00	2.5%	5.6%	01-Jan-24	
20 mm Pos. Disp.	456.00	470.00	482.00	2.6%	5.7%	01-Jan-24	
25 mm Pos. Disp.	537.00	553.00	567.00	2.5%	5.6%	01-Jan-24	
40 mm Pos. Disp.	999.00	1,029.00	1,055.00	2.5%	5.6%	01-Jan-24	
50 mm Pos. Disp.	1,109.00	1,142.00	1,171.00	2.5%	5.6%	01-Jan-24	
75 mm Solid State	3,391.00	3,391.00	3,476.00	2.5%	2.5%	01-Jan-24	
100 mm Solid State	3,866.00	3,866.00	3,963.00	2.5%	2.5%	01-Jan-24	
150 mm Solid State	5,810.00	5,984.00	6,134.00	2.5%	5.6%	01-Jan-24	
Fire Line Meter Assembly - Cost plus 15%, hourly	230.00	237.00	243.00	2.5%	5.7%	01-Jan-24	
Replacement Water Meters							
Size of Meter							
15 mm Pos. Disp.	298.00	307.00	315.00	2.6%	5.7%	01-Jan-24	
15 mm Pos. Disp.(Carlsbad only)	303.00	312.00	320.00	2.6%	5.6%	01-Jan-24	
20 mm Pos. Disp.	343.00	353.00	362.00	2.5%	5.5%	01-Jan-24	
25 mm Pos. Disp.	424.00	437.00	448.00	2.5%	5.7%	01-Jan-24	
40 mm Pos. Disp.	849.00	874.00	896.00	2.5%	5.5%	01-Jan-24	
50 mm Pos. Disp.	963.00	992.00	1,017.00	2.5%	5.6%	01-Jan-24	
75 mm Solid State	3,143.00	3,143.00	3,222.00	2.5%	2.5%	01-Jan-24	
100 mm Solid State	3,617.00	3,617.00	3,707.00	2.5%	2.5%	01-Jan-24	
150 mm Solid State	5,562.00	5,562.00	5,701.00	2.5%	2.5%	01-Jan-24	
Temporary removal and installation of meter	155.00	160.00	164.00	2.5%	5.8%	01-Jan-24	
City water meter reading device (new or damaged) replacement	234.00	241.00	247.00	2.5%	5.6%	01-Jan-24	
City water meter reading device and/or water meter reader wire re-location	184.00	190.00	195.00	2.6%	6.0%	01-Jan-24	
Total for all fees above							(50)

City of Ottawa
Infrastructure & Water Services Department
Drinking Water Services - User Fees

	2022 Rate \$	2023 Rate \$	2024 Rate \$	% Change Over 2023	% Change Over 2022	Effective Date	2024 Revenue (\$000)
Non Departmental							(3,835)
Distribution of Drinking Water							
Variable Rate - per cubic meter water consumed							
0 - 6 m3	0.88	0.90	0.92	2.0%	4.7%	01-Apr-24	
>6 - 25 m3	1.75	1.79	1.83	2.0%	4.1%	01-Apr-24	
>25 - 180 m3	1.93	1.97	2.01	2.0%	4.1%	01-Apr-24	
>180 m3	2.15	2.20	2.24	2.0%	4.1%	01-Apr-24	
Daily Fixed Fee Rates - per meter size							
15 mm	0.36	0.36	0.37	2.0%	3.0%	01-Apr-24	
20 mm	0.51	0.53	0.54	2.0%	4.1%	01-Apr-24	
25 mm	0.86	0.88	0.89	2.0%	4.1%	01-Apr-24	
40 mm	1.72	1.75	1.79	2.0%	4.1%	01-Apr-24	
50 mm	2.74	2.80	2.85	2.0%	4.1%	01-Apr-24	
75 mm	5.14	5.25	5.35	2.0%	4.1%	01-Apr-24	
100 mm	8.57	8.75	8.92	2.0%	4.1%	01-Apr-24	
150 mm	17.15	17.50	17.85	2.0%	4.1%	01-Apr-24	
200 mm	27.44	28.00	28.56	2.0%	4.1%	01-Apr-24	
250 mm	39.44	40.24	41.05	2.0%	4.1%	01-Apr-24	
300 mm	73.74	75.25	76.75	2.0%	4.1%	01-Apr-24	
Compound Meter	1.62	1.65	1.68	2.0%	3.7%	01-Apr-24	
Fire Supply Charge							(465)
Annual cost - per meter size							
15 mm meter	50.59	51.60	52.63	2.0%	4.0%	01-Apr-24	
20 mm meter	89.94	91.74	93.57	2.0%	4.0%	01-Apr-24	
25 mm meter	140.54	143.35	146.22	2.0%	4.0%	01-Apr-24	
40 mm meter	359.76	366.96	374.30	2.0%	4.0%	01-Apr-24	
50 mm meter	562.14	573.39	584.86	2.0%	4.0%	01-Apr-24	
75 mm meter	1,264.81	1,290.11	1,315.91	2.0%	4.0%	01-Apr-24	
100 mm meter	2,248.55	2,293.52	2,339.39	2.0%	4.0%	01-Apr-24	
150 mm meter	5,059.23	5,160.42	5,263.63	2.0%	4.0%	01-Apr-24	
200 mm meter	8,994.19	9,174.08	9,357.56	2.0%	4.0%	01-Apr-24	
250 mm meter	14,053.43	14,334.50	14,621.19	2.0%	4.0%	01-Apr-24	
Total Departmental							(4,350)

Infrastructure and Water Services Department 2024 Service Area Summary - Wastewater Services

Wastewater Services is responsible for the management, operations, and maintenance of the wastewater collection system and treatment plant. The collection systems include sanitary, combined, storm sewers and facilities. 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 comprehensive maintenance and operation within regulatory framework, and an environmentally sound management of facilities and collection systems. Wastewater Treatment is also responsible for maintenance, operation and repairs 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 5,900 km of sanitary, combined, and storm pipes, 95,000 maintenance holes, 104,000 catch basins, and 1,800 stormwater outlets
- Operation and maintenance of 90 facilities including 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 and communication systems maintenance and operation
- Operational support for capital infrastructure rehabilitation, renewal and development projects, including upgrades to ROPEC facility
- Quality assurance, compliance management and reporting
- Process optimization, and continual improvements to the wastewater collection system and treatment process

City of Ottawa
Infrastructure & Water Services Department
Wastewater Services - Operating Resource Requirement
In Thousands (\$000)

	2022	2023		2024	\$ Change over 2023 Budget
	Actual	Forecast	Budget	Estimate	
Expenditures by Program					
Facilities and Treatment	41,370	36,360	35,140	38,780	3,640
Linear and Customer Service	26,863	25,765	25,765	27,240	1,475
Non Departmental	124,411	126,296	127,126	127,661	535
Gross Expenditure	192,644	188,421	188,031	193,681	5,650
Recoveries & Allocations	(22,177)	(13,980)	(13,980)	(13,980)	0
Revenue	(165,168)	(174,651)	(174,051)	(179,701)	(5,650)
Net Requirement	5,299	(210)	0	0	0
Expenditures by Type					
Salaries, Wages & Benefits	25,411	25,670	25,580	27,006	1,426
Overtime	871	967	967	986	19
Material & Services	29,767	28,024	27,024	30,314	3,290
Transfers/Grants/Financial Charges	98,371	98,241	99,071	98,396	(675)
Fleet Costs	1,957	2,414	2,014	2,054	40
Program Facility Costs	0	0	0	0	0
Other Internal Costs	36,267	33,105	33,375	34,925	1,550
Gross Expenditures	192,644	188,421	188,031	193,681	5,650
Recoveries & Allocations	(22,177)	(13,980)	(13,980)	(13,980)	0
Net Expenditure	170,467	174,441	174,051	179,701	5,650
Revenues By Type					
Federal	0	0	0	0	0
Provincial	0	0	0	0	0
Own Funds	(4,477)	(5,325)	(4,725)	(4,725)	0
Fees and Services	(160,691)	(169,326)	(169,326)	(174,976)	(5,650)
Fines	0	0	0	0	0
Other	0	0	0	0	0
Total Revenue	(165,168)	(174,651)	(174,051)	(179,701)	(5,650)
Net Requirement	5,299	(210)	0	0	0
Full Time Equivalents			219.50	224.45	4.95

City of Ottawa
Infrastructure & Water Services Department
Wastewater Services - User Fees

	2022 Rate \$	2023 Rate \$	2024 Rate \$	% Change Over 2023	% Change Over 2022	Effective Date	2024 Revenue (\$000)
Sanitary Sewer Systems							(50)
Sewer Use Program - Disposal Fees							
Septic Tank Strength Liquid Material (per cubic meter)	17.10	17.10	17.10	0.0%	0.0%	01-Jan-24	
Holding Tank Strength Liquid Material (per cubic metre)	3.67	3.67	3.67	0.0%	0.0%	01-Jan-24	
Liquid Material Generated Outside the City of Ottawa (per cubic metre)	29.81	29.81	29.81	0.0%	0.0%	01-Jan-24	
Sewer Use Program - Permit Fees							
Annual Permit Fee	355.00	362.00	372.00	2.8%	4.8%	01-Jan-24	
Annual Permit Revision Fee	143.00	146.00	150.00	2.7%	4.9%	01-Jan-24	
Sewer Use Program - Discharge Fees							
Conveyance Fee	1.71	1.74	1.79	2.5%	4.6%	01-Jan-24	
Treatment Fee	1.06	1.08	1.11	2.6%	4.6%	01-Jan-24	
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-24	
Suspended Solids (per kg)	0.88	0.88	0.88	0.0%	0.0%	01-Jan-24	
Phenolic Compounds (per kg)	1.66	1.66	1.66	0.0%	0.0%	01-Jan-24	
Kjeldahl Nitrogen (per kg)	6.60	6.60	6.60	0.0%	0.0%	01-Jan-24	
Phosphorus (per kg)	2.66	2.66	2.66	0.0%	0.0%	01-Jan-24	
Sewer Use Program - Administrative Fees							
Special Discharge Agreement Fee	1,482.00	1,512.00	1,550.00	2.5%	4.6%	01-Jan-24	
Sanitary Sewer Agreement Fee	744.00	759.00	778.00	2.5%	4.6%	01-Jan-24	
Compliance Program Fee	1,399.00	1,427.00	1,463.00	2.5%	4.6%	01-Jan-24	
Combined Agreement Fee	1,416.00	1,444.00	1,481.00	2.6%	4.6%	01-Jan-24	
Sanitary Discharge Agreement Revision Fee	292.00	298.00	306.00	2.7%	4.8%	01-Jan-24	
Combined Agreement Revision Fee	292.00	298.00	306.00	2.7%	4.8%	01-Jan-24	
Sanitary Sewer Agreement Revision Fee (per revision)	367.00	374.00	384.00	2.7%	4.6%	01-Jan-24	
Compliance Program Revision Fee (per revision)	292.00	298.00	306.00	2.7%	4.8%	01-Jan-24	

City of Ottawa
Infrastructure & Water Services Department
Wastewater Services - User Fees

	2022 Rate \$	2023 Rate \$	2024 Rate \$	% Change Over 2023	% Change Over 2022	Effective Date	2024 Revenue (\$000)
Non Departmental							(5,100)
Sewer Surcharge for Sanitary Sewer Systems							
Variable Rate - per cubic meter water consumed							
0 - 6 m3	0.81	0.83	0.86	3.0%	6.1%	01-Apr-24	
>6 - 25 m3	1.61	1.66	1.71	3.0%	6.1%	01-Apr-24	
>25 - 180 m3	1.77	1.83	1.88	3.0%	6.1%	01-Apr-24	
>180 m3	2.00	2.06	2.12	3.0%	6.1%	01-Apr-24	
Daily Fixed Fee Rates - per meter size							
15 mm	0.31	0.32	0.33	3.0%	6.0%	01-Apr-24	
20 mm	0.47	0.48	0.50	3.0%	6.2%	01-Apr-24	
25 mm	0.78	0.81	0.83	3.0%	6.7%	01-Apr-24	
40 mm	1.56	1.61	1.66	3.0%	6.1%	01-Apr-24	
50 mm	2.50	2.58	2.66	3.0%	6.1%	01-Apr-24	
75 mm	4.69	4.83	4.98	3.0%	6.1%	01-Apr-24	
100 mm	7.82	8.06	8.30	3.0%	6.1%	01-Apr-24	
150 mm	15.64	16.12	16.60	3.0%	6.1%	01-Apr-24	
200 mm	25.02	25.79	26.56	3.0%	6.1%	01-Apr-24	
250 mm	35.97	37.07	38.18	3.0%	6.1%	01-Apr-24	
Compound Meter	1.55	1.60	1.65	3.0%	6.1%	01-Apr-24	
Total Departmental							(5,150)

Infrastructure and Water Services Department 2024 Service Area Summary - Stormwater, Laboratory and Municipal Drainage Services

Stormwater, Laboratory and Municipal Drainage Services are 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
- Management and maintenance of laboratory license and accreditation requirements and renewals as required through the Ministry of the Environment, Conservation and Parks and the Accreditation Body (Canadian Association for Laboratory Accreditation)
- Inspection and maintenance, improvement, modification, and construction of all municipal drains to ensure compliance with the *Drainage Act, R.S.O. 1990. c. D. 17*
- Administration and investigation of drainage issues related to City-owned drainage easements and private property, outside the Road Right-of-Way (ROW) in support of the Site Alteration By-law 2018-164
- Recovery of costs related to the administration of the *Drainage Act, R.S.O. 1990. c. D. 17* through provincial grants and assessments

City of Ottawa
 Infrastructure & Water Services Department
 Stormwater Services - Operating Resource Requirement
 In Thousands (\$000)

	2022	2023		2024	\$ Change over 2023 Budget
	Actual	Forecast	Budget	Estimate	
Expenditures by Program					
Stormwater Operations	14,564	13,549	14,049	14,434	385
Non Departmental	61,813	72,363	71,863	81,393	9,530
Gross Expenditure	76,377	85,912	85,912	95,827	9,915
Recoveries & Allocations	(3,813)	(3,444)	(3,444)	(3,444)	0
Revenue	(71,804)	(81,668)	(82,468)	(92,383)	(9,915)
Net Requirement	760	800	0	0	0
Expenditures by Type					
Salaries, Wages & Benefits	5,034	5,111	5,071	5,360	289
Overtime	5	23	63	64	1
Material & Services	1,965	2,053	2,553	2,648	95
Transfers/Grants/Financial Charges	48,339	58,911	57,911	67,201	9,290
Fleet Costs	260	250	250	250	0
Program Facility Costs	0	0	0	0	0
Other Internal Costs	20,774	19,564	20,064	20,304	240
Gross Expenditures	76,377	85,912	85,912	95,827	9,915
Recoveries & Allocations	(3,813)	(3,444)	(3,444)	(3,444)	0
Net Expenditure	72,564	82,468	82,468	92,383	9,915
Revenues By Type					
Federal	0	0	0	0	0
Provincial	(214)	(145)	(145)	(145)	0
Own Funds	0	0	0	0	0
Fees and Services	(71,590)	(81,523)	(82,323)	(92,238)	(9,915)
Fines	0	0	0	0	0
Other	0	0	0	0	0
Total Revenue	(71,804)	(81,668)	(82,468)	(92,383)	(9,915)
Net Requirement	760	800	0	0	0
Full Time Equivalents			44.00	45.00	1.00

City of Ottawa
Infrastructure & Water Services Department
Stormwater Services - User Fees

	2022 Rate \$	2023 Rate \$	2024 Rate \$	% Change Over 2023	% Change Over 2022	Effective Date	2024 Revenue (\$000)
Laboratory Services (Tests)							
Alkalinity, PH, Conductivity	11.48	11.71	12.00	2.5%	4.5%	01-Jan-24	
Alkalinity Brinkman (wastewater)	17.27	17.62	18.06	2.5%	4.6%	01-Jan-24	
Biochemical Oxygen Demand	18.88	19.26	19.74	2.5%	4.6%	01-Jan-24	
Carbonaceous Biochemical Demand	18.88	19.26	19.74	2.5%	4.6%	01-Jan-24	
Chloride	13.42	13.69	14.03	2.5%	4.5%	01-Jan-24	
Chemical Oxygen Demand	12.27	12.52	12.83	2.5%	4.6%	01-Jan-24	
Conductivity	11.48	11.71	12.00	2.5%	4.5%	01-Jan-24	
Dissolved Organic Carbon	16.21	16.53	16.94	2.5%	4.5%	01-Jan-24	
DNA Filtration	N/A	15.61	16.00	2.5%	100.0%	01-Jan-24	
E. coli (wastewater)	12.91	13.17	13.50	2.5%	4.6%	01-Jan-24	
Fluoride (SIE)	18.52	18.89	19.36	2.5%	4.5%	01-Jan-24	
Heterotrophic Plate	13.72	13.99	14.34	2.5%	4.5%	01-Jan-24	
Halo Acetic Acid	147.44	150.39	154.15	2.5%	4.6%	01-Jan-24	
Hardness	N/A	2.34	2.40	2.6%	100.0%	01-Jan-24	
ICP-OES Industrial Waste - 28 elements	29.17	29.75	30.49	2.5%	4.5%	01-Jan-24	
ICP-OES Metals Scan - 5 elements	15.11	15.41	15.80	2.5%	4.6%	01-Jan-24	
ICP-OES Metal Scan - 28 elements	25.30	25.81	26.46	2.5%	4.6%	01-Jan-24	
ICP/MS Metal Scan SW/DW - 27 elements	40.77	41.59	42.63	2.5%	4.6%	01-Jan-24	
ICP/MS Lead DW	15.11	15.41	15.80	2.5%	4.6%	01-Jan-24	
Ammonia - Surface/Waste Water	11.52	11.75	12.04	2.5%	4.5%	01-Jan-24	
Ion Chromatography	18.52	18.89	19.36	2.5%	4.5%	01-Jan-24	
Mercury	37.53	38.28	39.24	2.5%	4.6%	01-Jan-24	
Nitrates	13.42	13.69	14.03	2.5%	4.5%	01-Jan-24	
PH	11.48	11.71	12.00	2.5%	4.5%	01-Jan-24	
Reactive Phosphorus	11.52	11.75	12.04	2.5%	4.5%	01-Jan-24	
Sample Disposal	N/A	N/A	2.00	100.0%	100.0%	01-Jan-24	
Soluble Biochemical Oxygen Demand	19.94	20.34	20.85	2.5%	4.6%	01-Jan-24	
Soluble Carbonaceous Biochemical Oxygen Demand	19.94	20.34	20.85	2.5%	4.6%	01-Jan-24	
Soluble Chemical Oxygen Demand	13.33	13.60	13.94	2.5%	4.6%	01-Jan-24	
Specific gravity	23.88	24.36	24.97	2.5%	4.6%	01-Jan-24	
Sulphate	13.42	13.69	14.03	2.5%	4.5%	01-Jan-24	
Soluble Phosphorus	16.68	17.01	17.44	2.5%	4.6%	01-Jan-24	
Soluble Kjeldahl Nitrogen	16.68	17.01	17.44	2.5%	4.6%	01-Jan-24	

City of Ottawa
Infrastructure & Water Services Department
Stormwater Services - User Fees

	2022 Rate \$	2023 Rate \$	2024 Rate \$	% Change Over 2023	% Change Over 2022	Effective Date	2024 Revenue (\$000)
Laboratory Services (Tests) cont'd							
Total Coliforms - E-Coli (DC)	11.89	12.13	12.43	2.5%	4.5%	01-Jan-24	
Total Coliforms - E-Coli (PA)	22.39	22.84	23.41	2.5%	4.6%	01-Jan-24	
Total Coliforms - E-Coli (MPN)	23.36	23.83	24.43	2.5%	4.6%	01-Jan-24	
Total Kjeldahl Nitrogen	15.66	15.97	16.37	2.5%	4.5%	01-Jan-24	
Total Phosphorus	15.66	15.97	16.37	2.5%	4.5%	01-Jan-24	
Total Solid - Waste Water	12.08	12.32	12.63	2.5%	4.6%	01-Jan-24	
Total Solid - Solid	12.08	12.32	12.63	2.5%	4.6%	01-Jan-24	
Total Suspended Solid	11.28	11.51	11.80	2.5%	4.6%	01-Jan-24	
Trihalomethane/VOC Full Scan	68.24	69.60	71.34	2.5%	4.5%	01-Jan-24	
Volatile Acids	42.01	42.85	43.92	2.5%	4.5%	01-Jan-24	
Volatile Solids - Waste Water	12.85	13.11	13.44	2.5%	4.6%	01-Jan-24	
Volatile Solids - Solids	13.09	13.35	13.68	2.5%	4.5%	01-Jan-24	
Volatile Suspended Solid (Water)	13.03	13.29	13.62	2.5%	4.5%	01-Jan-24	
Drinking Water Anion (Chloride, fluoride, nitrite and nitrate, sulphate)	18.52	18.89	19.36	2.5%	4.5%	01-Jan-24	
Total Nutrients (Ammonia + Ammonia, Reactive Phosphorus)	12.54	12.79	13.11	2.5%	4.5%	01-Jan-24	
TKN/TP (Total Kjeldahl Nitrogen, Total Phosphorus)	16.68	17.01	17.44	2.5%	4.6%	01-Jan-24	

City of Ottawa
Infrastructure & Water Services Department
Stormwater Services - User Fees

	2022 Rate \$	2023 Rate \$	2024 Rate \$	% Change Over 2023	% Change Over 2022	Effective Date	2024 Revenue (\$000)
Non Departmental							
Annual Stormwater Service Fees							
Residential Connected							
Urban Single/Semi	167.30	187.42	209.91	12.0%	25.5%	01-Apr-24	
Rural Single/Semi	167.30	187.42	209.91	12.0%	25.5%	01-Apr-24	
Urban Townhouse/Apt	83.65	93.71	104.96	12.0%	25.5%	01-Apr-24	
Rural Townhouse/Apt	83.65	93.71	104.96	12.0%	25.5%	01-Apr-24	
Residential Non-Connected							
Urban Single/Semi	117.11	131.19	146.93	12.0%	25.5%	01-Apr-24	
Rural Single/Semi	83.65	93.71	104.96	12.0%	25.5%	01-Apr-24	
Urban Townhouse/Apt	58.55	65.60	73.47	12.0%	25.5%	01-Apr-24	
Rural Townhouse/Apt	41.82	46.85	52.47	12.0%	25.5%	01-Apr-24	
Industrial, Commercial and Institutional (ICI)							
ICI Connected Urban and Rural							
0 to 300K Assessment	78.39	87.81	98.35	12.0%	25.5%	01-Apr-24	
>300K to 1M Assessment	370.98	415.58	465.45	12.0%	25.5%	01-Apr-24	
>1M to 5M Assessment	1,383.74	1,550.13	1,736.15	12.0%	25.5%	01-Apr-24	
>5M to 20M Assessment	6,066.24	6,795.67	7,611.15	12.0%	25.5%	01-Apr-24	
>20M to 50M Assessment	18,361.58	20,569.46	23,037.80	12.0%	25.5%	01-Apr-24	
>50M to 100M Assessment	44,315.49	49,644.18	55,601.48	12.0%	25.5%	01-Apr-24	
>100M to 150M Assessment	74,335.48	83,273.91	93,266.78	12.0%	25.5%	01-Apr-24	
>150M Assessment	157,416.88	176,345.39	197,506.84	12.0%	25.5%	01-Apr-24	

City of Ottawa
Infrastructure & Water Services Department
Stormwater Services - User Fees

	2022 Rate \$	2023 Rate \$	2024 Rate \$	% Change Over 2023	% Change Over 2022	Effective Date	2024 Revenue (\$000)
ICI Non-Connected - Urban							
0 to 300K Assessment	78.39	87.81	98.35	12.0%	25.5%	01-Apr-24	
>300K to 1M Assessment	370.98	415.58	465.45	12.0%	25.5%	01-Apr-24	
>1M to 5M Assessment	1,383.74	1,550.13	1,736.15	12.0%	25.5%	01-Apr-24	
>5M to 20M Assessment	6,066.24	6,795.67	7,611.15	12.0%	25.5%	01-Apr-24	
>20M to 50M Assessment	18,361.58	20,569.46	23,037.80	12.0%	25.5%	01-Apr-24	
>50M to 100M Assessment	44,315.49	49,644.18	55,601.48	12.0%	25.5%	01-Apr-24	
>100M to 150M Assessment	74,335.48	83,273.91	93,266.78	12.0%	25.5%	01-Apr-24	
>150M Assessment	157,416.88	176,345.39	197,506.84	12.0%	25.5%	01-Apr-24	
ICI Non-Connected - Rural							
0 to 300K Assessment	54.87	61.47	68.85	12.0%	25.5%	01-Apr-24	
>300K to 1M Assessment	259.68	290.91	325.82	12.0%	25.5%	01-Apr-24	
>1M to 5M Assessment	968.62	1,085.09	1,215.30	12.0%	25.5%	01-Apr-24	
>5M to 20M Assessment	4,246.37	4,756.97	5,327.81	12.0%	25.5%	01-Apr-24	
>20M to 50M Assessment	12,853.11	14,398.62	16,126.45	12.0%	25.5%	01-Apr-24	
>50M to 100M Assessment	31,020.84	34,750.93	38,921.04	12.0%	25.5%	01-Apr-24	
>100M to 150M Assessment	52,034.84	58,291.74	65,286.75	12.0%	25.5%	01-Apr-24	
>150M Assessment	110,191.82	123,441.77	138,254.78	12.0%	25.5%	01-Apr-24	
Total Departmental							(9,915)

City Of Ottawa
2024 Draft Capital Budget
Environment and Climate Change Committee - Rate
Capital Funding Summary
In Thousands (\$000)

	Revenues	Tax Supported/ Dedicated	Rate Supported	Develop. Charges	Gas Tax	Tax Supported/ Dedicated Debt	Rate Supported Debt	Develop. Charges Debt	Gas Tax Debt	Grand Total
Drinking Water Services										
Renewal of City Assets										
906664 Hurdman Bridge PS Renewal	0	0	10,600	0	0	0	0	0	0	10,600
908076 Large Water Meters Changeout Program	0	0	2,300	0	0	0	0	0	0	2,300
908908 Small Water Meters Changeout Program	0	0	100	0	0	0	0	0	0	100
908909 Advanced Metering Infra. (AMI) Changeout	0	0	3,025	0	0	0	0	0	0	3,025
908996 Meter Service Mobility	0	0	50	0	0	0	0	0	0	50
909974 Lemieux High Lift PS Structural Upgrades	0	0	4,914	0	0	0	0	0	0	4,914
910251 Britannia High Voltage Project	0	0	2,677	0	0	0	0	0	0	2,677
910396 Geoscience Studies	0	0	238	29	0	0	0	0	0	267
910529 New Vehicles Drinking Water 2022	0	0	785	0	0	0	0	0	0	785
910674 Lemieux MCC-3M and HLE1&2 Motor Replace	0	0	3,760	0	0	0	0	0	0	3,760
910801 Lemieux Expansion Joint Rehab	0	0	800	0	0	0	0	0	0	800
910894 Prince of Wales (Green Valley - DE)	0	0	1,230	0	0	0	0	0	0	1,230
911303 2024 Water System Improvements	0	0	0	0	0	0	8,500	0	0	8,500
911304 2024 WM Transmission/Distribution Rehab	0	0	1,500	0	0	0	4,000	0	0	5,500
911305 2024 Water Structures - Inspections	0	0	40	0	0	0	0	0	0	40
911312 2024 Water Efficiency	0	0	150	0	0	0	0	0	0	150
911313 2024 Water Storage Tanks & Reservoirs	0	0	7,938	0	0	0	0	0	0	7,938
911314 2024 DWS Capitalized Maintenance	0	0	1,400	0	0	0	0	0	0	1,400
911316 2024 Water Treatment Rehab	0	0	1,458	0	0	0	5,022	0	0	6,480
911317 2024 Water Pumping Station Rehab	0	0	770	0	0	0	0	0	0	770
911318 2024 Lead Pipe Replacement Program	0	0	500	0	0	0	0	0	0	500
911319 2024 Cathodic Protection Program	0	0	150	0	0	0	0	0	0	150
911320 2024 Water Distribution System Improv.	0	0	3,500	0	0	0	0	0	0	3,500
911321 2024 Ops Condition Assess Critical Link	0	0	2,793	0	0	0	0	0	0	2,793
Renewal of City Assets Total	0	0	50,678	29	0	0	17,522	0	0	68,229
Growth										
900631 Carlington Heights Pumping Stn Expansion	0	0	890	346	0	0	0	0	0	1,236
902206 Ottawa South Pumping Station Upgrade	0	0	858	534	0	0	0	359	0	1,751
903295 Brittany Pumping Station	0	0	79	0	0	0	100	130	0	309
904916 Kanata West Feedermain	0	0	409	4,579	0	0	100	0	0	5,088
904982 Zone 2W West March Rd 406 to 610 Upgrade	0	0	478	4,298	0	0	0	0	0	4,776
907100 Carp Well Capacity Increase	232	0	283	0	0	0	0	0	0	515
910900 2023 Off Site Reliability Links	0	0	52	464	0	0	0	0	0	516
910902 2023 Rural Servicing Strategy	0	0	52	52	0	0	0	0	0	104
910903 2023 Water & Wastewater Studies	0	0	104	412	0	0	0	0	0	516
Growth Total	232	0	3,205	10,685	0	0	200	489	0	14,811
Drinking Water Services Total	232	0	53,883	10,714	0	0	17,722	489	0	83,040
Integrated Water & Wastewater										
Renewal of City Assets										
910887 2023 Easement Agreements Updates	0	0	2,900	0	0	0	100	0	0	3,000

City Of Ottawa
2024 Draft Capital Budget
Environment and Climate Change Committee - Rate
Capital Funding Summary
In Thousands (\$000)

	Revenues	Tax Supported/ Dedicated	Rate Supported	Develop. Charges	Gas Tax	Tax Supported/ Dedicated Debt	Rate Supported Debt	Develop. Charges Debt	Gas Tax Debt	Grand Total
911285 2024 Hydraulic Structures	0	0	750	0	0	0	0	0	0	750
911286 2024 Sewer Repairs / Improvements	0	0	0	0	0	0	8,000	0	0	8,000
911287 2024 Sewer Trenchless Rehab	0	0	2,000	0	0	0	2,000	0	0	4,000
911348 2024 Sewer & Water Inspect and Data Man.	0	0	1,400	0	0	0	0	0	0	1,400
911362 Tech Roadmap, Data Strategy & Decision	0	0	250	0	0	0	0	0	0	250
911363 2024 Technology Need and Mobility Proj	0	0	1,500	0	0	0	0	0	0	1,500
911368 Technology Improvement Initiatives	0	0	2,490	0	0	0	0	0	0	2,490
Renewal of City Assets Total	0	0	11,290	0	0	0	10,100	0	0	21,390
Integrated Water & Wastewater Total	0	0	11,290	0	0	0	10,100	0	0	21,390
Stormwater Services										
Renewal of City Assets										
908252 Stormwater Mgmt Retrofit Master Plan	0	0	309	0	0	0	0	0	0	309
908618 CWWF Convent Glen North Storm Sewer	0	0	36,930	0	0	0	0	0	0	36,930
911169 2024 New Vehicles Stormwater	0	0	80	0	0	0	0	0	0	80
911196 2024 Stormwater Management Retrofit	0	0	618	0	0	0	412	0	0	1,030
911198 2024 Flood Plain Mapping	0	0	295	0	0	0	40	0	0	335
911294 2024 Drainage Culverts - CW	0	0	1,708	0	0	0	10,670	0	0	12,378
911296 2024 Culverts Scoping Pre/Post Eng.	0	0	800	0	0	0	0	0	0	800
911297 2024 Drainage Culverts - Site-Specific	0	0	500	0	0	0	1,000	0	0	1,500
911298 2024 Drainage Culv-Site-Spec Other	0	0	250	0	0	0	0	0	0	250
911299 2024 Drainage Culverts Assessment	0	0	300	0	0	0	0	0	0	300
911306 2024 Storm and Surface Water Rehab	0	0	1,500	0	0	0	1,000	0	0	2,500
911307 2024 Drainage System Renewal	0	0	0	0	0	0	4,000	0	0	4,000
911326 2024 Stormwater Pumping Station Rehab Pr	0	0	600	0	0	0	0	0	0	600
911339 2024 Stormwater Mgmt: Rehab&Enviro Compl	0	0	2,600	0	0	0	200	0	0	2,800
911340 2024 Linear Storm System Improvements	0	0	1,900	0	0	0	100	0	0	2,000
911341 2024 Municipal Drain Improvements	600	0	50	0	0	0	0	0	0	650
Renewal of City Assets Total	600	0	48,440	0	0	0	17,422	0	0	66,462
Growth										
909730 2020 Stormwater Master Planning	0	0	129	129	0	0	0	0	0	258
Growth Total	0	0	129	129	0	0	0	0	0	258
Stormwater Services Total	600	0	48,569	129	0	0	17,422	0	0	66,720
Wastewater Services										
Renewal of City Assets										
907382 ROPEC Aeration Blower Renewal	0	0	8,021	0	0	0	0	0	0	8,021
909158 ROPEC RSPS Motor & Drive Rehab.	0	0	4,165	0	0	0	0	0	0	4,165
910279 WWC Diesel Gen & Fuel System Rehab	0	0	800	0	0	0	0	0	0	800
911197 2024 Pump Stations Capacity Renewal	0	0	2,113	0	0	0	10	0	0	2,123
911308 2024 ORAP Wet Weather IMP	0	0	2,435	365	0	0	200	0	0	3,000
911322 2024 New Vehicles Wastewater	0	0	385	0	0	0	0	0	0	385
911323 2024 Protective Plumbing Program	0	0	150	0	0	0	0	0	0	150

City Of Ottawa
2024 Draft Capital Budget
Environment and Climate Change Committee - Rate
Capital Funding Summary
In Thousands (\$000)

	Revenues	Tax Supported/ Dedicated	Rate Supported	Develop. Charges	Gas Tax	Tax Supported/ Dedicated Debt	Rate Supported Debt	Develop. Charges Debt	Gas Tax Debt	Grand Total
911324 2024 Forcemain Condition Assess & Rehab	0	0	560	0	0	0	0	0	0	560
911325 2024 WWC Forcemain Rehab	0	0	250	0	0	0	0	0	0	250
911327 2024 Collection Sys CondAssess Large Dia	0	0	1,550	0	0	0	0	0	0	1,550
911328 2024 Collection Sys CondAssess Small Dia	0	0	2,000	0	0	0	0	0	0	2,000
911329 2024 Sewer Lateral Repairs	0	0	2,000	0	0	0	1,500	0	0	3,500
911330 2024 Linear Sewage System Improvements	0	0	1,000	0	0	0	1,000	0	0	2,000
911331 2024 Flow Monitoring System Rehab	0	0	200	0	0	0	0	0	0	200
911332 2024 Sewage Pumping Station Rehab Prog	0	0	437	0	0	0	5,297	0	0	5,734
911333 2024 Wastewater Collection Maintenance	0	0	375	0	0	0	350	0	0	725
911334 ROPEC - Sewage Treatment Rehab Prog 2024	0	0	0	0	0	0	5,665	0	0	5,665
911335 2024 Lab Equipment Replacement	0	0	350	0	0	0	0	0	0	350
911336 2024 ROPEC Capitalized Maintenance	0	0	1,000	0	0	0	0	0	0	1,000
911337 ROPEC Electrical Reliability	0	0	11,700	0	0	0	10,000	0	0	21,700
911338 2024 ROPEC Roofing Rehabilitation Prog	0	0	1,750	0	0	0	0	0	0	1,750
911355 2024 Sanitary Sewer Rehab Prog	0	0	1,600	0	0	0	0	0	0	1,600
911364 ROPEC - SCADA Rehab. & Upgrades 2024	0	0	675	0	0	0	0	0	0	675
Renewal of City Assets Total	0	0	43,516	365	0	0	24,022	0	0	67,903
Growth										
904988 March PS Conversion	0	0	876	0	0	0	0	776	0	1,652
908557 FEA2024 EUC Sanitary Sewer System	0	0	0	110	0	0	0	0	0	110
909992 Richmond Pump Station	0	0	544	692	0	0	0	0	0	1,236
910076 Carp Wastewater PS Upgrade/Overflow	464	0	567	0	0	0	0	0	0	1,031
910906 2023 Pump Stations Capacity Increase	0	0	0	4,897	0	0	0	0	0	4,897
911342 ROPEC Exp.of Chlorine Contact Tanks	0	0	0	3,300	0	0	0	0	0	3,300
911369 ROPEC - Outfall Expansion	0	0	0	1,500	0	0	0	0	0	1,500
Growth Total	464	0	1,987	10,499	0	0	0	776	0	13,726
Wastewater Services Total	464	0	45,503	10,864	0	0	24,022	776	0	81,629
Grand Total	1,296	0	159,245	21,707	0	0	69,266	1,265	0	252,779