



Ottawa

Draft

BUDGET

2024

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

Environment and Climate Change Committee – Tax supported

Tabled – November 8, 2023

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Environment and Climate Change Committee - Tax Supported

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Business and Technical Support Services – Infrastructure and Water Services 2024 Service Area Summary

The Business and Technical Support Services unit (BTSS) provides centralized strategic and operational support to all services within the department. It provides key business support functions and expertise such as project and program management, communications, legislative agenda, audit coordination, policy review and development, digital services support, and fulfilling corporate obligations and reporting. The BTSS supports the General Manager's office, department leadership, and operational services/branches, and works the other BTSS/BSS units across the corporation to increase organizational effectiveness, efficiency, and collaboration between departments. The BTSS also provides technical support services that provide unique and specialized technical expertise that support core departmental operations, programs, activities, or systems.

City of Ottawa
 Infrastructure & Water Services Department
 GM's Office & Business Technical Support Services - Operating Resource Requirement
 In Thousands (\$000)

	2022	2023		2024	\$ Change over 2023 Budget
	Actual	Forecast	Budget	Estimate	
Expenditures by Program					
General Manager's Office	675	599	399	424	25
Business Technical Support Services	2,510	5,762	4,962	5,232	270
Gross Expenditure	3,185	6,361	5,361	5,656	295
Recoveries & Allocations	(1,961)	(5,719)	(4,719)	(4,974)	(255)
Revenue	0	0	0	0	0
Net Requirement	1,224	642	642	682	40
Expenditures by Type					
Salaries, Wages & Benefits	2,841	5,458	4,438	4,733	295
Overtime	14	30	50	50	0
Material & Services	307	871	871	871	0
Transfers/Grants/Financial Charges	0	0	0	0	0
Fleet Costs	2	0	0	0	0
Program Facility Costs	0	0	0	0	0
Other Internal Costs	21	2	2	2	0
Gross Expenditures	3,185	6,361	5,361	5,656	295
Recoveries & Allocations	(1,961)	(5,719)	(4,719)	(4,974)	(255)
Net Expenditure	1,224	642	642	682	40
Revenues By Type					
Federal	0	0	0	0	0
Provincial	0	0	0	0	0
Own Funds	0	0	0	0	0
Fees and Services	0	0	0	0	0
Fines	0	0	0	0	0
Other	0	0	0	0	0
Total Revenue	0	0	0	0	0
Net Requirement	1,224	642	642	682	40
Full Time Equivalents			38.00	38.00	0.00

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

Infrastructure Services is part of the Infrastructure and Water Services (IWSD) Department, a department that is responsible for implementing City-building priorities.

Programs/Services offered

Quality Management

- Provide overall quality management on City capital construction projects, to ensure all activities and projects are managed and delivered according to City standards, including project delivery practices, project communication, design guidelines, accessibility requirements, construction standards, material quality, and overall guidance.

Design and Construction

- Facilities – manage the design and construction of new and renewal of existing municipal infrastructure, including City-owned buildings, recreation facilities, water related facilities including pumping stations, and parks.
- Municipal – manage the design and construction of new and renewal of existing municipal infrastructure, including roads, cycling facilities, sidewalks, water, sewer and stormwater systems, bridges, culverts and intersection modifications.
- Landmark projects – manage the design and construction of projects such as Ādisōke, the future Ottawa Public Library and Library and Archives Canada Joint Facility, and the Robert O. Pickard Environmental Centre (ROPEC) wastewater treatment facility.

Infrastructure Services leads the delivery of new and renewed municipal infrastructure, funded through both the city budget and Federal and Provincial stimulus programs, while ensuring all industry standards and guidelines are met.

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

	2022	2023		2024	\$ Change over 2023 Budget
	Actual	Forecast	Budget	Estimate	
Expenditures by Program					
Director's Office	784	940	840	860	20
Technical Standards and Quality Assurance	4,054	4,941	5,041	5,741	700
Special Projects	1,026	900	0	0	0
Design & Construction Facilities	8,708	7,543	7,143	7,558	415
Design & Construction Municipal	9,479	8,400	9,000	9,290	290
Gross Expenditure	24,051	22,724	22,024	23,449	1,425
Recoveries & Allocations	(20,584)	(18,684)	(17,984)	(19,149)	(1,165)
Revenue	(17)	(16)	(16)	(16)	0
Net Requirement	3,450	4,024	4,024	4,284	260
Expenditures by Type					
Salaries, Wages & Benefits	19,000	19,818	19,128	20,349	1,221
Overtime	98	167	217	221	4
Material & Services	1,723	2,361	2,301	2,501	200
Transfers/Grants/Financial Charges	0	0	0	0	0
Fleet Costs	101	99	49	49	0
Program Facility Costs	0	0	0	0	0
Other Internal Costs	3,129	279	329	329	0
Gross Expenditures	24,051	22,724	22,024	23,449	1,425
Recoveries & Allocations	(20,584)	(18,684)	(17,984)	(19,149)	(1,165)
Net Expenditure	3,467	4,040	4,040	4,300	260
Revenues By Type					
Federal	0	0	0	0	0
Provincial	0	0	0	0	0
Own Funds	0	0	0	0	0
Fees and Services	(17)	(16)	(16)	(16)	0
Fines	0	0	0	0	0
Other	0	0	0	0	0
Total Revenue	(17)	(16)	(16)	(16)	0
Net Requirement	3,450	4,024	4,024	4,284	260
Full Time Equivalents			144.00	146.00	2.00

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

	2022 Rate \$	2023 Rate \$	2024 Rate \$	% Change Over 2023	% Change Over 2022	Effective Date	2024 Revenue (\$000)
Transfer of Review							
Transfer of Review Fees are per the Ministry of Environment and Climate Change							
Administration and Overhead Charge							
Applied to the overall cost recovery for any works undertaken for third parties not covered under other agreements, such as developers, school boards, universities or general parties	15%	15%	15%	0.0%	0.0%	01-Jan-24	

Infrastructure and Water Services Department 2024 Service Area Summary - Asset Management Services

Asset Management Services is part of the Infrastructure and Water Services (IWSD) Department, a department that is responsible for implementing City-building priorities.

Asset Management Services administers and optimizes the lifecycle of municipal infrastructure valued at over \$70 billion, maintains asset inventory, undertakes condition and performance assessments, develops risk-based renewal strategies and defines investment needs. In addition, Asset Management Services leads water resource master planning, source water protection and capital program definition, and manages the City's Comprehensive Asset Management (CAM) Program.

Programs/Services offered

- Capital construction coordination for internal and external projects
- Coordination of the Capital Program, including developing the program, scoping projects and planning on a multi-year basis
- Leading the development and implementation of the City's Comprehensive Asset Management Program
- Determining the condition and performance of the City's infrastructure assets, including, pavements, structures, buildings, parks, watermains and sewers
- Managing the lifecycle of the infrastructure assets
- Developing and implementing a sustainable Intensification strategy and program to anticipate and facilitate growth
- Data management to support the City's asset management systems and enable risk management and decision-making
- Support development review of planning proposals and infrastructure implications

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

	2022	2023		2024	\$ Change over 2023 Budget
	Actual	Forecast	Budget	Estimate	
Expenditures by Program					
Director's Office	129	426	426	431	5
Linear Asset Management	5,034	4,300	4,300	4,460	160
Facilities Asset Management	3,085	2,734	3,259	3,489	230
Water Resources Planning & Engineering	3,457	4,315	4,090	4,470	380
Capital Planning/Strategic Asset Management	1,742	2,058	2,038	2,353	315
Gross Expenditure	13,447	13,833	14,113	15,203	1,090
Recoveries & Allocations	(11,115)	(11,653)	(11,083)	(12,073)	(990)
Revenue	0	0	0	0	0
Net Requirement	2,332	2,180	3,030	3,130	100
Expenditures by Type					
Salaries, Wages & Benefits	12,282	13,547	13,512	14,641	1,129
Overtime	42	33	48	49	1
Material & Services	225	195	495	455	(40)
Transfers/Grants/Financial Charges	0	0	0	0	0
Fleet Costs	36	48	48	48	0
Program Facility Costs	0	0	0	0	0
Other Internal Costs	862	10	10	10	0
Gross Expenditures	13,447	13,833	14,113	15,203	1,090
Recoveries & Allocations	(11,115)	(11,653)	(11,083)	(12,073)	(990)
Net Expenditure	2,332	2,180	3,030	3,130	100
Revenues By Type					
Federal	0	0	0	0	0
Provincial	0	0	0	0	0
Own Funds	0	0	0	0	0
Fees and Services	0	0	0	0	0
Fines	0	0	0	0	0
Other	0	0	0	0	0
Total Revenue	0	0	0	0	0
Net Requirement	2,332	2,180	3,030	3,130	100
Full Time Equivalents			103.00	105.00	2.00

City of Ottawa
Infrastructure & Water Services Department
Asset Management Services - User Fees

	2022 Rate \$	2023 Rate \$	2024 Rate \$	% Change Over 2023	% Change Over 2022	Effective Date	2024 Revenue (\$000)
Accident Inspections							
3 hour minimum (hourly rate)	175.00	179.00	184.00	2.8%	5.1%	01-Jan-24	
Any third party charges (cost recovery)	100%	100%	100%	0.0%	0.0%	01-Jan-24	
Administration and Overhead Charge							
Applied to the overall cost recovery for any works undertaken for third parties not covered under other agreements, such as developers, school boards, universities or general parties	15%	15%	15%	0.0%	0.0%	01-Jan-24	
Road Cut Degradation Fees							
Road Cut Pavement Degradation Fees (per metre squared)							
Up to and including 3 years	59.00	59.00	61.70	4.6%	4.6%	01-Jan-24	
>3 to ≤5 years	52.65	52.65	55.10	4.7%	4.7%	01-Jan-24	
>5 to ≤10 years	44.40	44.40	46.40	4.5%	4.5%	01-Jan-24	
>10 to ≤15 years	33.80	33.80	35.40	4.7%	4.7%	01-Jan-24	
>15 to ≤20 years	24.60	24.60	25.80	4.9%	4.9%	01-Jan-24	
>20 years	16.90	16.90	17.70	4.7%	4.7%	01-Jan-24	

Planning, Real Estate and Economic Development Department 2024 Service Area Summary - Natural Systems

Economic Development and Long-Range Planning – Natural Systems is part of the Planning, Real Estate and Economic Development (PRED) Department, a department that champions the city-building priorities from planning and managing development opportunities and transportation infrastructure, to managing City real estate for population growth and economic prosperity.

Natural Systems develops policies and delivers programs to support Ottawa’s natural environment, urban forest and rural area. Centre of expertise for natural systems, providing guidance to promote sustainable development, fostering a healthy system of natural areas, greenspaces, and arable lands. Leverages partnerships, public outreach and stewardship to implement the city’s environmental goals.

Programs/Services Offered

- Oversee Urban Forest Management Plan
- Develop and implements policies to support and enhance the City’s natural areas
- Administer Environmental and Rural Clean Water Grant Programs
- Host events, including Wildlife Speaker Series
- Manage City-owned natural areas with community partners.
- Perform development and infrastructure review to ensure environmental considerations are reflected in growth
- Identify rural natural lands for acquisitions by the City

Planning, Real Estate and Economic Development Department 2024 Service Area Summary - Resiliency and Climate Change

Economic Development and Long-Range Planning – Resiliency and Climate Change is part of the Planning, Real Estate and Economic Development (PRED) Department, a department that champions the city-building priorities from planning and managing development opportunities and transportation infrastructure, to managing City real estate for population growth and economic prosperity.

This unit is responsible for developing and coordinating strategic policies, programs and plans to reduce greenhouse gas emissions and build resiliency to climate change in Ottawa. As the City's centre of expertise for resiliency and climate change, the team also provides technical expertise on corporate projects and supports community initiatives.

Programs/Services Offered

Resiliency and Climate Change is responsible for the following city-wide initiatives:

- Climate Change Master Plan
- Energy Evolution: Ottawa's Community Energy Transition Strategy
 - Climate Projections, Climate Vulnerability and Risk Assessment, and Climate Resiliency Strategy
 - Annual Greenhouse Gas Emissions Inventories

City of Ottawa
 Planning, Real Estate & Economic Development Department
 Resiliency and Natural Systems Policy - Operating Resource Requirement
 In Thousands (\$000)

	2022	2023		2024	\$ Change over 2023 Budget
	Actual	Forecast	Budget	Estimate	
Expenditures by Program					
Natural Systems	1,061	1,859	1,477	1,762	285
Resiliency & Climate Change	1,606	1,240	1,038	1,443	405
Gross Expenditure	2,667	3,099	2,515	3,205	690
Recoveries & Allocations	(716)	(1,291)	(307)	(807)	(500)
Revenue	(69)	0	0	0	0
Net Requirement	1,882	1,808	2,208	2,398	190
Expenditures by Type					
Salaries, Wages & Benefits	2,445	2,688	2,068	2,708	640
Overtime	2	16	12	12	0
Material & Services	160	300	332	382	50
Transfers/Grants/Financial Charges	54	50	102	102	0
Fleet Costs	0	0	0	0	0
Program Facility Costs	0	0	0	0	0
Other Internal Costs	6	45	1	1	0
Gross Expenditures	2,667	3,099	2,515	3,205	690
Recoveries & Allocations	(716)	(1,291)	(307)	(807)	(500)
Net Expenditure	1,951	1,808	2,208	2,398	190
Revenues By Type					
Federal	(68)	0	0	0	0
Provincial	0	0	0	0	0
Own Funds	0	0	0	0	0
Fees and Services	0	0	0	0	0
Fines	0	0	0	0	0
Other	(1)	0	0	0	0
Total Revenue	(69)	0	0	0	0
Net Requirement	1,882	1,808	2,208	2,398	190
Full Time Equivalents			14.00	17.00	3.00

Public Works Department 2024 Service Area Summary - Solid Waste Services

Solid Waste Services is responsible for the development, management, and environmentally sound operation of the residential solid waste management system for the City. This includes:

- Collecting, diverting, and disposing of residential waste, recycling and organics, parks waste, and household hazardous waste
- Overseeing the comprehensive management, operation, maintenance, and regulatory compliance of the City-owned Trail Waste Facility Landfill
- Managing contracts for waste collection across the City
- Providing graffiti removal services
- Planning for future waste programs and operations to ensure alignment with industry and economic growth and legislative requirements such as: the Solid Waste Master Plan, operational efficiency reviews and technology and environmental assessments

Programs/Services Offered

- Curbside residential waste collection and disposal
- Multi-residential waste collection and disposal
- Parks waste collection and disposal
- On-Street waste basket collection
- Waste collection at City facilities
- Residential waste diversion programs (Green Bin Program, Blue/Black Box Program, Special Considerations Program, Yellow Bag Program, Household Hazardous Waste depots etc.)
- Collections contract management and customer service
- Graffiti removal from City properties
- Landfill operations management
- Biosolid Land Application program

City of Ottawa
Public Works Department
Solid Waste Services - Operating Resource Requirement
In Thousands (\$000)

	2022	2023		2024	\$ Change over 2023 Budget
	Actual	Forecast	Budget	Estimate	
Expenditures by Program					
Director's Office	1,483	1,414	686	704	18
Diversion/Recycling	55,942	59,158	59,193	60,263	1,070
City Space Waste Operations	2,454	2,341	2,341	2,408	67
Soil Management	696	820	820	845	25
Landfill Operations/Disposal	9,088	10,149	10,164	10,344	180
Garbage Collection	22,496	26,950	26,582	28,646	2,064
Long Term Planning/Other	1,175	1,106	1,106	1,137	31
Solid Waste Non Departmental	9,442	11,822	11,822	16,972	5,150
Gross Expenditure	102,776	113,761	112,715	121,320	8,605
Recoveries & Allocations	(4,632)	(6,095)	(6,095)	(6,475)	(380)
Revenue	(74,273)	(73,420)	(72,374)	(80,734)	(8,360)
Net Requirement	23,871	34,246	34,246	34,111	(135)
Expenditures by Type					
Salaries, Wages & Benefits	17,166	17,705	17,705	18,365	660
Overtime	1,728	711	711	711	0
Material & Services	67,006	71,013	70,335	71,970	1,635
Transfers/Grants/Financial Charges	8,609	11,402	11,402	16,552	5,150
Fleet Costs	13,022	16,979	16,611	17,771	1,160
Program Facility Costs	1	0	0	0	0
Other Internal Costs	(4,756)	(4,049)	(4,049)	(4,049)	0
Gross Expenditures	102,776	113,761	112,715	121,320	8,605
Recoveries & Allocations	(4,632)	(6,095)	(6,095)	(6,475)	(380)
Net Expenditure	98,144	107,666	106,620	114,845	8,225
Revenues By Type					
Federal	0	(33)	0	0	0
Provincial	(7,999)	(11,467)	(10,858)	(17,403)	(6,545)
Own Funds	0	0	0	0	0
Fees and Services	(66,274)	(61,920)	(61,516)	(63,331)	(1,815)
Fines	0	0	0	0	0
Other	0	0	0	0	0
Total Revenue	(74,273)	(73,420)	(72,374)	(80,734)	(8,360)
Net Requirement	23,871	34,246	34,246	34,111	(135)
Full Time Equivalents			87.12	89.12	2.00

City of Ottawa
Public Works Department
Solid Waste Services - User Fees

	2022 Rate \$	2023 Rate \$	2024 Rate \$	% Change Over 2023	% Change Over 2022	Effective Date	2024 Revenue (\$000)
Solid Waste - User Fees							(7,020)
Single Family Household	118.00	130.00	145.00	11.5%	22.9%	01-Jan-24	
Multi Residential Household	77.50	83.50	91.00	9.0%	17.4%	01-Jan-24	
Yellow Bag per bag fee	4.20	4.30	4.40	2.3%	4.8%	01-Jan-24	
Scale use (per tonne, minimum \$15)	N/A	15.00	15.00	0.0%	N/A	01-Jan-24	
Ticket reprint (per reprint)	N/A	10.00	10.00	0.0%	N/A	01-Jan-24	
Landfill Operations - Tipping Fees							(25)
Waste Materials							
Garbage <=250 kg (minimum) Includes soil mixed with concrete	N/A	32.50	35.50	9.2%	N/A	01-Jan-24	
Garbage >250 kg (per tonne) Includes soil mixed with concrete	N/A	130.00	142.00	9.2%	N/A	01-Jan-24	
Mixed garbage & recyclable material <=250 kg (minimum)	59.50	60.75	71.00	16.9%	19.3%	01-Jan-24	
Mixed garbage & recyclable material >250 kg (per tonne)	238.00	260.00	284.00	9.2%	19.3%	01-Jan-24	
Asbestos (1 tonne minimum, per tonne)	N/A	564.00	576.00	2.1%	N/A	01-Jan-24	
Diversion Program - Clean Loads							
Metal /Tires	Free	Free	Free	N/A	N/A	N/A	
E-waste	Free	Free	Free	N/A	N/A	N/A	
Leaf and Yard Waste (grass cuttings, leaves and brush under 7 cm)	N/A	4.20	4.30	2.4%	N/A	01-Jan-24	
Brush over 7 cm in diameter <=100 kg (minimum)	N/A	13.00	14.20	9.2%	N/A	01-Jan-24	
Brush over 7 cm in diameter >100 kg (per tonne)	N/A	130.00	142.00	9.2%	N/A	01-Jan-24	
Soil/Fill <=200 kg (minimum) (Top soil, sand, sod)	11.40	13.30	15.20	14.3%	33.3%	01-Jan-24	
Soil/Fill >200 kg (per tonne) (Top soil, sand, sod)	57.00	66.50	76.00	14.3%	33.3%	01-Jan-24	
Fill <=200 kg (per tonne) (Asphalt, masonry, concrete without rebar)	11.40	32.50	35.50	9.2%	211.4%	01-Jan-24	
Fill >200 kg (per tonne) (Asphalt, masonry, concrete without rebar)	57.00	130.00	142.00	9.2%	149.1%	01-Jan-24	
Woodchips <=200 kg (minimum)	8.10	32.50	35.50	9.2%	338.3%	01-Jan-24	
Woodchips >200 kg (per tonne)	40.50	130.00	142.00	9.2%	250.6%	01-Jan-24	

City of Ottawa
 Public Works Department
 Solid Waste Services - User Fees

	2022 Rate \$	2023 Rate \$	2024 Rate \$	% Change Over 2023	% Change Over 2022	Effective Date	2024 Revenue (\$000)
Retail Materials Program							
Municipal Potting Soil <=200 kg (minimum)	8.80	9.00	9.20	2.2%	4.5%	01-Jan-24	
Municipal Potting Soil >200 kg (per tonne)	44.00	45.00	46.00	2.2%	4.5%	01-Jan-24	
Total Departmental							(7,045)

Public Works Department 2024 Service Area Summary - Forestry Services

Forestry Services manages all aspects of the City's 10,000 hectares of urban and rural forests including 346,000 street and park trees in order to preserve, protect, maintain and enhance the tree canopy.

Programs/Services Offered

- Tree and forest maintenance, which includes pruning, removal, and stumping activities
- Tree protection and tree by-law enforcement including Tree Removal Permits
- Tree nursery operations, which includes tree planting, watering and establishment pruning activities
- Trees in Trust program
- Streetscape, park, and facility tree planting
- Community planting projects
- Commemorative Tree program
- Green Acres - Ottawa's rural reforestation program
- Schoolyard Tree Planting Grant program
- Invasive pest management as it relates to Forest Health (ex. Spongy Moth, Emerald Ash Borer and Dutch Elm Disease)
- Tree Inventory collection and maintenance
- Trees and Forests Outreach and Engagement
- Urban Forest Management Plan implementation

City of Ottawa
Public Works Department
Forestry Services - Operating Resource Requirement
In Thousands (\$000)

	2022	2023		2024	\$ Change over 2023 Budget
	Actual	Forecast	Budget	Estimate	
Expenditures by Program					
Forestry Services	23,709	23,475	20,944	21,714	770
Gross Expenditure	23,709	23,475	20,944	21,714	770
Recoveries & Allocations	0	0	0	0	0
Revenue	(592)	(631)	(631)	(631)	0
Net Requirement	23,117	22,844	20,313	21,083	770
Expenditures by Type					
Salaries, Wages & Benefits	8,838	9,770	9,770	10,465	695
Overtime	381	187	187	187	0
Material & Services	12,770	11,949	9,418	9,493	75
Transfers/Grants/Financial Charges	0	0	0	0	0
Fleet Costs	1,654	1,535	1,535	1,535	0
Program Facility Costs	0	0	0	0	0
Other Internal Costs	66	34	34	34	0
Gross Expenditures	23,709	23,475	20,944	21,714	770
Recoveries & Allocations	0	0	0	0	0
Net Expenditure	23,709	23,475	20,944	21,714	770
Revenues By Type					
Federal	0	0	0	0	0
Provincial	(2)	0	0	0	0
Own Funds	0	0	0	0	0
Fees and Services	(590)	(631)	(631)	(631)	0
Fines	0	0	0	0	0
Other	0	0	0	0	0
Total Revenue	(592)	(631)	(631)	(631)	0
Net Requirement	23,117	22,844	20,313	21,083	770
Full Time Equivalents			91.32	93.32	2.00

City of Ottawa
Public Works Department
Forestry Services - User Fees

	2022 Rate \$	2023 Rate \$	2024 Rate \$	% Change Over 2023	% Change Over 2022	Effective Date	2024 Revenue (\$000)
Application fee for Distinctive Tree Permit as per the Tree Protection By-law 2020-340. Fee applies to applications where no development is taking place. For properties one hectare or less in size, and multi- residential properties of all sizes, if a landowner wants to remove a private distinctive tree within the urban boundary or any city-owned tree, they must obtain a Distinctive Tree Permit from the City.	150.00	162.00	174.00	7.4%	16.0%	01-Feb-24	
Application fee for Distinctive Tree Permit as per the Tree Protection By-law 2020-340. Fee applies to applications where infill development is taking place. For properties one hectare or less in size, and multi-residential properties of all sizes, if a landowner wants to remove a private distinctive tree within the urban boundary or any city-owned tree, they must obtain a Distinctive Tree Permit from the City.	500.00	685.00	870.00	27.0%	74.0%	01-Feb-24	
Administration and Overhead charge will be applied to the overall cost recovery for any works or accident recoveries undertaken by Forestry Services on behalf of Federal/Provincial governments, Hydro Ottawa, school boards, universities/colleges, municipalities, general persons/parties and developers.	15%	15%	15%	0.0%	0.0%	01-Jan-24	

City Of Ottawa
2024 Draft Capital Budget
Environment and Climate Change Committee - Tax
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
Environment										
Service Enhancements										
908894 Natural Area Acquisitions (Rural)	0	50	0	0	0	200	0	0	0	250
911346 2024 Energy Management & Invest.(BEEM)	0	2,964	0	0	0	0	0	0	0	2,964
911372 2024 Climate Change Master Plan	0	5,000	0	0	0	0	0	0	0	5,000
Service Enhancements Total	0	8,014	0	0	0	200	0	0	0	8,214
Environment Total	0	8,014	0	0	0	200	0	0	0	8,214
Solid Waste										
Renewal of City Assets										
910586 Renewal of SW Facilities	0	2,000	0	0	0	0	0	0	0	2,000
Renewal of City Assets Total	0	2,000	0	0	0	0	0	0	0	2,000
Regulatory										
907797 Landfill Stage 4 Capping	0	0	0	0	0	1,000	0	0	0	1,000
911210 Buffer land Development 2024	0	0	0	0	0	1,500	0	0	0	1,500
911211 Trail Road Landfill Expansion 2024	0	0	0	0	0	950	0	0	0	950
911212 Trail Road Gas Collection System 2024	0	500	0	0	0	500	0	0	0	1,000
911414 Trail Road Groundwater Management 2024	0	8,000	0	0	0	7,000	0	0	0	15,000
911435 Landfill Stage 3 Capping 2024	0	2,664	0	0	0	6,000	0	0	0	8,664
Regulatory Total	0	11,164	0	0	0	16,950	0	0	0	28,114
Service Enhancements										
909431 Long Term Planning	0	4,500	0	0	0	0	0	0	0	4,500
Service Enhancements Total	0	4,500	0	0	0	0	0	0	0	4,500
Solid Waste Total	0	17,664	0	0	0	16,950	0	0	0	34,614
Grand Total	0	25,678	0	0	0	17,150	0	0	0	42,828

City of Ottawa
Infrastructure & Water Services Department
GM's Office & Business Technical Support Services - Operating Resource Requirement Analysis
In Thousands (\$000)

	2023 Baseline			2024 Adjustments						2024	\$ Change over 2023 Budget
	Forecast	Budget	Adj. to Base Budget	Maintain Services	Provincial Legislated	Growth	COVID-19	Service Initiatives / Savings	User Fees & Revenues	Estimate	
Expenditures by Program											
General Manager's Office	599	399	0	25	0	0	0	0	0	424	25
Business Technical Support Services	5,762	4,962	0	270	0	0	0	0	0	5,232	270
Gross Expenditure	6,361	5,361	0	295	0	0	0	0	0	5,656	295
Recoveries & Allocations	(5,719)	(4,719)	0	(255)	0	0	0	0	0	(4,974)	(255)
Revenue	0	0	0	0	0	0	0	0	0	0	0
Net Requirement	642	642	0	40	0	0	0	0	0	682	40
Expenditures by Type											
Salaries, Wages & Benefits	5,458	4,438	0	295	0	0	0	0	0	4,733	295
Overtime	30	50	0	0	0	0	0	0	0	50	0
Material & Services	871	871	0	0	0	0	0	0	0	871	0
Transfers/Grants/Financial Charges	0	0	0	0	0	0	0	0	0	0	0
Fleet Costs	0	0	0	0	0	0	0	0	0	0	0
Program Facility Costs	0	0	0	0	0	0	0	0	0	0	0
Other Internal Costs	2	2	0	0	0	0	0	0	0	2	0
Gross Expenditures	6,361	5,361	0	295	0	0	0	0	0	5,656	295
Recoveries & Allocations	(5,719)	(4,719)	0	(255)	0	0	0	0	0	(4,974)	(255)
Net Expenditure	642	642	0	40	0	0	0	0	0	682	40
Percent of 2024 Net Expenditure Budget			0.0%	6.2%	0.0%	0.0%	0.0%	0.0%	0.0%	6.2%	
Revenues By Type											
Federal	0	0	0	0	0	0	0	0	0	0	0
Provincial	0	0	0	0	0	0	0	0	0	0	0
Municipal	0	0	0	0	0	0	0	0	0	0	0
Own Funds	0	0	0	0	0	0	0	0	0	0	0
Fees and Services	0	0	0	0	0	0	0	0	0	0	0
Fines	0	0	0	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total Revenue	0	0	0	0	0	0	0	0	0	0	0
Percent of 2024 Revenue Budget			0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
Net Requirement	642	642	0	40	0	0	0	0	0	682	40
Percent of 2024 Net Requirement Budget			0.0%	6.2%	0.0%	0.0%	0.0%	0.0%	0.0%	6.2%	
Full Time Equivalents (FTEs)		38.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	38.00	0.00
Percent of 2024 FTEs			0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	

City of Ottawa

Infrastructure & Water Services Department

GM's Office & Business Technical Support Services - Operating Resource Requirement Explanatory Notes

In Thousands (\$000)

2023 Forecast vs. Budget Variance Explanation	Surplus / (Deficit)			
	Expense	Revenue	Net	
No significant variances to report.	0	0	0	
Total Surplus / (Deficit)	0	0	0	
2024 Pressure Category / Explanation	Increase / (Decrease)			
	Expense	Revenue	Net 2024 Changes	FTE Impact
Maintain Services				
All programs include an adjustment for potential 2024 cost of living, increments and benefit adjustments.	295	0	295	0.00
All programs include an adjustment for potential 2024 cost of living, increments and benefit adjustments. Offset with recoveries and allocations.	(255)	0	(255)	0.00
Total Maintain Services	40	0	40	0.00

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

	2023 Baseline			2024 Adjustments						2024	\$ Change over 2023 Budget
	Forecast	Budget	Adj. to Base Budget	Maintain Services	Provincial Legislated	Growth	COVID-19	Service Initiatives / Savings	User Fees & Revenues	Estimate	
Expenditures by Program											
Director's Office	940	840	0	20	0	0	0	0	0	860	20
Technical Standards and Quality Assurance	4,941	5,041	0	140	220	340	0	0	0	5,741	700
Special Projects	900	0	0	0	0	0	0	0	0	0	0
Design & Construction Facilities	7,543	7,143	0	415	0	0	0	0	0	7,558	415
Design & Construction Municipal	8,400	9,000	0	290	0	0	0	0	0	9,290	290
Gross Expenditure	22,724	22,024	0	865	220	340	0	0	0	23,449	1,425
Recoveries & Allocations	(18,684)	(17,984)	0	(670)	(220)	(275)	0	0	0	(19,149)	(1,165)
Revenue	(16)	(16)	0	0	0	0	0	0	0	(16)	0
Net Requirement	4,024	4,024	0	195	0	65	0	0	0	4,284	260
Expenditures by Type											
Salaries, Wages & Benefits	19,818	19,128	0	861	220	140	0	0	0	20,349	1,221
Overtime	167	217	0	4	0	0	0	0	0	221	4
Material & Services	2,361	2,301	0	0	0	200	0	0	0	2,501	200
Transfers/Grants/Financial Charge	0	0	0	0	0	0	0	0	0	0	0
Fleet Costs	99	49	0	0	0	0	0	0	0	49	0
Program Facility Costs	0	0	0	0	0	0	0	0	0	0	0
Other Internal Costs	279	329	0	0	0	0	0	0	0	329	0
Gross Expenditures	22,724	22,024	0	865	220	340	0	0	0	23,449	1,425
Recoveries & Allocations	(18,684)	(17,984)	0	(670)	(220)	(275)	0	0	0	(19,149)	(1,165)
Net Expenditure	4,040	4,040	0	195	0	65	0	0	0	4,300	260
Percent of 2024 Net Expenditure Budget			0.0%	4.8%	0.0%	1.6%	0.0%	0.0%	0.0%	6.4%	
Revenues By Type											
Federal	0	0	0	0	0	0	0	0	0	0	0
Provincial	0	0	0	0	0	0	0	0	0	0	0
Own Funds	0	0	0	0	0	0	0	0	0	0	0
Fees and Services	(16)	(16)	0	0	0	0	0	0	0	(16)	0
Fines	0	0	0	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total Revenue	(16)	(16)	0	0	0	0	0	0	0	(16)	0
Percent of 2024 Revenue Budget			0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
Net Requirement	4,024	4,024	0	195	0	65	0	0	0	4,284	260
Percent of 2024 Net Requirement Budget			0.0%	4.8%	0.0%	1.6%	0.0%	0.0%	0.0%	6.5%	
Full Time Equivalents (FTEs)		144.00	0.00	0.00	1.00	1.00	0.00	0.00	0.00	146.00	2.00
Percent of 2024 FTEs			0.0%	0.0%	0.7%	0.7%	0.0%	0.0%	0.0%	1.4%	

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

2023 Forecast vs. Budget Variance Explanation	Surplus / (Deficit)			
	Expense	Revenue	Net	
No significant variances to report.	0	0	0	
Total Surplus / (Deficit)	0	0	0	
2024 Pressure Category / Explanation	Increase / (Decrease)			
	Expense	Revenue	Net 2024 Changes	FTE Impact
Maintain Services				
All programs include an adjustment for potential 2024 cost of living, increments and benefit adjustments.	865	0	865	0.00
All programs include an adjustment for potential 2024 cost of living, increments and benefit adjustments. Offset with recoveries and allocations.	(670)	0	(670)	0.00
Total Maintain Services	195	0	195	0.00
2024 Pressure Category / Explanation	Increase / (Decrease)			
	Expense	Revenue	Net 2024 Changes	FTE Impact
Provincial Legislated				
Annualization of compensation costs for resource to support legislative requirements, including Bill 109 More Homes for Everyone Act and Bill 23 More Homes Built Faster Act. Provincial Legislation Resource Impact Report (ACS2023-PRE-GEN-0005).	105	0	105	0.00
Annualization of compensation costs for resource to support legislative requirements, including Bill 109 More Homes for Everyone Act and Bill 23 More Homes Built Faster Act. Provincial Legislation Resource Impact Report (ACS2023-PRE-GEN-0005). Offset with Planning fees.	(105)	0	(105)	0.00
Additional permanent resource to support the ongoing soils requirement due to new provincial legislation in support of capital projects.	115	0	115	1.00
Additional permanent resource to support the ongoing soils requirement due to new provincial legislation in support of capital projects. Offset with recoveries and allocations.	(115)	0	(115)	0.00
Total Provincial Legislated	0	0	0	1.00

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

2024 Pressure Category / Explanation	Increase / (Decrease)			
	Expense	Revenue	Net 2024 Changes	FTE Impact
Growth				
Additional permanent resource to support development and implementation of standards for vertical and facilities infrastructure projects.	140	0	140	1.00
Additional permanent resource to support development and implementation of standards for vertical and facilities infrastructure projects. Offset with recoveries and allocations.	(140)	0	(140)	0.00
Additional professional services required to develop standards and review specs.	200	0	200	0.00
Additional professional services required to develop standards and review specs. Partially offset with recoveries and allocations.	(135)	0	(135)	0.00
Total Growth	65	0	65	1.00
	Increase / (Decrease)			
2024 Pressure Category / Explanation	Expense	Revenue	Net 2024 Changes	FTE Impact
User Fees & Revenues				
See following user fee schedule for details on the specific rates.	0	0	0	0.00
Total User Fees & Revenues	0	0	0	0.00
Total Budget Changes	260	0	260	2.00

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

	2023 Baseline			2024 Adjustments						2024	\$ Change over 2023 Budget
	Forecast	Budget	Adj. to Base Budget	Maintain Services	Provincial Legislated	Growth	COVID-19	Service Initiatives / Savings	User Fees & Revenues	Estimate	
Expenditures by Program											
Director's Office	426	426	0	5	0	0	0	0	0	431	5
Linear Asset Management	4,300	4,300	0	160	0	0	0	0	0	4,460	160
Facilities Asset Management	2,734	3,259	0	140	0	130	0	(40)	0	3,489	230
Water Resources Planning & Engineering	4,315	4,090	0	175	205	0	0	0	0	4,470	380
Capital Planning/Strategic Asset Management	2,058	2,038	0	175	140	0	0	0	0	2,353	315
Gross Expenditure	13,833	14,113	0	655	345	130	0	(40)	0	15,203	1,090
Recoveries & Allocations	(11,653)	(11,083)	0	(515)	(345)	(130)	0	0	0	(12,073)	(990)
Revenue	0	0	0	0	0	0	0	0	0	0	0
Net Requirement	2,180	3,030	0	140	0	0	0	(40)	0	3,130	100
Expenditures by Type											
Salaries, Wages & Benefits	13,547	13,512	0	654	345	130	0	0	0	14,641	1,129
Overtime	33	48	0	1	0	0	0	0	0	49	1
Material & Services	195	495	0	0	0	0	0	(40)	0	455	(40)
Transfers/Grants/Financial Charge	0	0	0	0	0	0	0	0	0	0	0
Fleet Costs	48	48	0	0	0	0	0	0	0	48	0
Program Facility Costs	0	0	0	0	0	0	0	0	0	0	0
Other Internal Costs	10	10	0	0	0	0	0	0	0	10	0
Gross Expenditures	13,833	14,113	0	655	345	130	0	(40)	0	15,203	1,090
Recoveries & Allocations	(11,653)	(11,083)	0	(515)	(345)	(130)	0	0	0	(12,073)	(990)
Net Expenditure	2,180	3,030	0	140	0	0	0	(40)	0	3,130	100
Percent of 2024 Net Expenditure Budget			0.0%	4.6%	0.0%	0.0%	0.0%	-1.3%	0.0%	3.3%	
Revenues By Type											
Federal	0	0	0	0	0	0	0	0	0	0	0
Provincial	0	0	0	0	0	0	0	0	0	0	0
Municipal	0	0	0	0	0	0	0	0	0	0	0
Own Funds	0	0	0	0	0	0	0	0	0	0	0
Fees and Services	0	0	0	0	0	0	0	0	0	0	0
Fines	0	0	0	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total Revenue	0	0	0	0	0	0	0	0	0	0	0
Percent of 2024 Revenue Budget			0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
Net Requirement	2,180	3,030	0	140	0	0	0	(40)	0	3,130	100
Percent of 2024 Net Requirement Budget			0.0%	4.6%	0.0%	0.0%	0.0%	-1.3%	0.0%	3.3%	
Full Time Equivalents (FTEs)		103.00	0.00	0.00	1.00	1.00	0.00	0.00	0.00	105.00	2.00
Percent of 2024 FTEs			0.0%	0.0%	1.0%	1.0%	0.0%	0.0%	0.0%	1.9%	

City of Ottawa
Infrastructure & Water Services Department
Asset Management Services - Operating Resource Requirement Explanatory Notes
In Thousands (\$000)

2023 Forecast vs. Budget Variance Explanation	Surplus / (Deficit)			
	Expense	Revenue	Net	
Vacancies and discretionary spending savings.	850	0	850	
Total Surplus / (Deficit)	850	0	850	
Increase / (Decrease)				
2024 Pressure Category / Explanation	Expense	Revenue	Net 2024 Changes	FTE Impact
Maintain Services				
All programs include an adjustment for potential 2024 cost of living, increments and benefit adjustments.	655	0	655	0.00
All programs include an adjustment for potential 2024 cost of living, increments and benefit adjustments. Offset with recoveries and allocations.	(515)	0	(515)	0.00
Total Maintain Services	140	0	140	0.00
Increase / (Decrease)				
2024 Pressure Category / Explanation	Expense	Revenue	Net 2024 Changes	FTE Impact
Provincial Legislated				
Annualization of compensation costs for 2 temporary resources to support legislative requirements, including Bill 109 More Homes for Everyone Act and Bill 23 More Homes Built Faster Act. Provincial Legislation Resource Impact Report (ACS2023-PRE-GEN-0005).	205	0	205	0.00
Annualization of compensation costs for 2 temporary resources to support legislative requirements, including Bill 109 More Homes for Everyone Act and Bill 23 More Homes Built Faster Act. Provincial Legislation Resource Impact Report (ACS2023-PRE-GEN-0005). Offset with Planning fees.	(205)	0	(205)	0.00
Additional permanent resource to address Ontario Regulation 588/17: Asset Management Planning for Municipal Infrastructure.	140	0	140	1.00
Additional permanent resource to address Ontario Regulation 588/17: Asset Management Planning for Municipal Infrastructure. Offset with recoveries and allocations.	(140)	0	(140)	0.00
Total Provincial Legislated	0	0	0	1.00

City of Ottawa
 Infrastructure & Water Services Department
 Asset Management Services - Operating Resource Requirement Explanatory Notes
 In Thousands (\$000)

2024 Pressure Category / Explanation	Increase / (Decrease)			
	Expense	Revenue	Net 2024 Changes	FTE Impact
Growth				
Additional permanent resource to satisfy the requirements of the facility audit.	130	0	130	1.00
Additional permanent resource to satisfy the requirements of the facility audit. Offset with recoveries and allocations.	(130)	0	(130)	0.00
Total Growth	0	0	0	1.00
2024 Pressure Category / Explanation	Increase / (Decrease)			
	Expense	Revenue	Net 2024 Changes	FTE Impact
Service Initiatives / Savings				
Efficiency savings.	(40)	0	(40)	0.00
Total Service Initiatives / Savings	(40)	0	(40)	0.00
2024 Pressure Category / Explanation	Increase / (Decrease)			
	Expense	Revenue	Net 2024 Changes	FTE Impact
User Fees & Revenues				
See following user fee schedule for details on the specific rates.	0	0	0	0.00
Total User Fees & Revenues	0	0	0	0.00
Total Budget Changes	100	0	100	2.00

City of Ottawa
 Planning, Real Estate & Economic Development Department
 Resiliency and Natural Systems Policy - Operating Resource Requirement Analysis
 In Thousands (\$000)

	2023 Baseline			2024 Adjustments						2024	\$ Change over 2023 Budget
	Forecast	Budget	Adj. to Base Budget	Maintain Services	Provincial Legislated	Growth	COVID-19	Service Initiatives / Savings	User Fees & Revenues	Estimate	
Expenditures by Program											
Natural Systems	1,859	1,477	(75)	10	225	125	0	0	0	1,762	285
Resiliency & Climate Change	1,240	1,038	(125)	15	125	0	0	390	0	1,443	405
Gross Expenditure	3,099	2,515	(200)	25	350	125	0	390	0	3,205	690
Recoveries & Allocations	(1,291)	(307)	0	(15)	(95)	0	0	(390)	0	(807)	(500)
Revenue	0	0	0	0	0	0	0	0	0	0	0
Net Requirement	1,808	2,208	(200)	10	255	125	0	0	0	2,398	190
Expenditures by Type											
Salaries, Wages & Benefits	2,688	2,068	(125)	25	350	0	0	390	0	2,708	640
Overtime	16	12	0	0	0	0	0	0	0	12	0
Material & Services	300	332	(75)	0	0	125	0	0	0	382	50
Transfers/Grants/Financial Charges	50	102	0	0	0	0	0	0	0	102	0
Fleet Costs	0	0	0	0	0	0	0	0	0	0	0
Program Facility Costs	0	0	0	0	0	0	0	0	0	0	0
Other Internal Costs	45	1	0	0	0	0	0	0	0	1	0
Gross Expenditures	3,099	2,515	(200)	25	350	125	0	390	0	3,205	690
Recoveries & Allocations	(1,291)	(307)	0	(15)	(95)	0	0	(390)	0	(807)	(500)
Net Expenditure	1,808	2,208	(200)	10	255	125	0	0	0	2,398	190
Percent of 2024 Net Expenditure Budget			-9.1%	0.5%	11.5%	5.7%	0.0%	0.0%	0.0%	8.6%	
Revenues By Type											
Federal	0	0	0	0	0	0	0	0	0	0	0
Provincial	0	0	0	0	0	0	0	0	0	0	0
Own Funds	0	0	0	0	0	0	0	0	0	0	0
Fees and Services	0	0	0	0	0	0	0	0	0	0	0
Fines	0	0	0	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total Revenue	0	0	0	0	0	0	0	0	0	0	0
Percent of 2024 Revenue Budget			0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
Net Requirement	1,808	2,208	(200)	10	255	125	0	0	0	2,398	190
Percent of 2024 Net Requirement Budget			-9.1%	0.5%	11.5%	5.7%	0.0%	0.0%	0.0%	8.6%	
Full Time Equivalents (FTEs)		14.00	0.00	0.00	0.00	0.00	0.00	3.00	0.00	17.00	3.00
Percent of 2024 FTEs			0.0%	0.0%	0.0%	0.0%	0.0%	21.4%	0.0%	21.4%	

City of Ottawa
Planning, Real Estate & Economic Development Department
Resiliency and Natural Systems Policy - Operating Resource Requirement Explanatory Notes
In Thousands (\$000)

2023 Forecast vs. Budget Variance Explanation	Surplus / (Deficit)			
	Expense	Revenue	Net	
Surplus largely due to staffing delays.	400	0	400	
Total Surplus / (Deficit)	400	0	400	
Increase / (Decrease)				
2023 Baseline Adjustment / Explanation	Expense	Revenue	Net 2024 Changes	FTE Impact
Removal of the 2023 one-time funding for a temporary position to develop and implement a distributed energy resource framework per Council Report (ACS2022-OCC-ENV-0005). Extended to 2024.	(125)	0	(125)	0.00
Removal of the 2023 one-time expenditure for Wildlife Fire Risk Mapping Phase 1.	(75)	0	(75)	0.00
Total Adjustments to Base Budget	(200)	0	(200)	0.00
Increase / (Decrease)				
2024 Pressure Category / Explanation	Expense	Revenue	Net 2024 Changes	FTE Impact
Maintain Services				
All programs include an adjustment for potential 2024 cost of living, increments and benefit adjustments.	25	0	25	0.00
All programs include an adjustment for potential 2024 cost of living, increments and benefit adjustments. Offset with Planning Fees.	(15)	0	(15)	0.00
Total Maintain Services	10	0	10	0.00
Increase / (Decrease)				
2024 Pressure Category / Explanation	Expense	Revenue	Net 2024 Changes	FTE Impact
Provincial Legislated				
2024 one-time funding for a temporary position to develop and implement a distributed energy resource framework per Council Report (ACS2022-OCC-ENV-0005.) Extended from 2023.	125	0	125	0.00
Annualization of compensation costs for two temporary resources to support legislative requirements, including Bill 109 More Homes for Everyone Act and Bill 23 More Homes Built Faster Act. Provincial Legislation Resource Impact Report (ACS2023-PRE-GEN-0005).	225	0	225	0.00
Annualization of compensation costs for two temporary resources to support legislative requirements, including Bill 109 More Homes for Everyone Act and Bill 23 More Homes Built Faster Act. Provincial Legislation Resource Impact Report (ACS2023-PRE-GEN-0005). Partially offset with Planning Fees.	(95)	0	(95)	0.00
Total Provincial Legislated	255	0	255	0.00

City of Ottawa
 Planning, Real Estate & Economic Development Department
 Resiliency and Natural Systems Policy - Operating Resource Requirement Explanatory Notes
 In Thousands (\$000)

2024 Pressure Category / Explanation	Increase / (Decrease)			
	Expense	Revenue	Net 2024 Changes	FTE Impact
Growth				
One-time Funding until 2025 for Urban expansion/Future Neighbourhood subwatershed studies. A consultant is required for work on subwatershed studies or supporting hydrotechnical work in five urban expansion areas: South March/Kanata (W1), Stittsville West (W2 and W3), Bowesville/Riveride South (S3), Leitrim and Tewin (S5 and Tewin), and Cardinal Creek (E1, E2 and E3). The projects will support Secondary Plans for these areas, which are required to begin in 2023 and 2024 as a statutory requirement to provide adequate residential land supply. This work will continue into 2025.	125	0	125	0.00
Total Growth	125	0	125	0.00
2024 Pressure Category / Explanation	Increase / (Decrease)			
	Expense	Revenue	Net 2024 Changes	FTE Impact
Service Initiatives / Savings				
Funding to convert three long standing temporary positions into permanent. One to support climate change outreach and engagement and two to support climate change environmental program.	390	0	390	3.00
Funding to convert three long standing temporary positions into permanent. One to support climate change outreach and engagement and two to support climate change environmental program. Offset with recoveries.	(390)	0	(390)	0.00
Total Service Initiatives / Savings	0	0	0	3.00
Total Budget Changes	190	0	190	3.00

City of Ottawa
Public Works Department
Solid Waste Services - Operating Resource Requirement Analysis
In Thousands (\$000)

	2023 Baseline			2024 Adjustments						2024	\$ Change over 2023 Budget
	Forecast	Budget	Adj. to Base Budget	Maintain Services	Provincial Legislated	Growth	COVID-19	Service Initiatives / Savings	User Fees & Revenues	Estimate	
Expenditures by Program											
Director's Office	1,414	686	0	18	0	0	0	0	0	704	18
Diversions/Recycling	59,158	59,193	0	4,740	(4,475)	805	0	0	0	60,263	1,070
City Space Waste Operations	2,341	2,341	0	67	0	0	0	0	0	2,408	67
Soil Management	820	820	0	25	0	0	0	0	0	845	25
Landfill Operations/Disposal	10,149	10,164	0	180	0	0	0	0	0	10,344	180
Garbage Collection	26,950	26,582	0	2,064	0	0	0	0	0	28,646	2,064
Long Term Planning/Other	1,106	1,106	0	31	0	0	0	0	0	1,137	31
Solid Waste Non Departmental	11,822	11,822	0	5,150	0	0	0	0	0	16,972	5,150
Gross Expenditure	113,761	112,715	0	12,275	(4,475)	805	0	0	0	121,320	8,605
Recoveries & Allocations	(6,095)	(6,095)	0	(380)	0	0	0	0	0	(6,475)	(380)
Revenue	(73,420)	(72,374)	0	450	(1,765)	0	0	0	(7,045)	(80,734)	(8,360)
Net Requirement	34,246	34,246	0	12,345	(6,240)	805	0	0	(7,045)	34,111	(135)
Expenditures by Type											
Salaries, Wages & Benefits	17,705	17,705	0	435	0	225	0	0	0	18,365	660
Overtime	711	711	0	0	0	0	0	0	0	711	0
Material & Services	71,013	70,335	0	5,530	(4,475)	580	0	0	0	71,970	1,635
Transfers/Grants/Financial Charges	11,402	11,402	0	5,150	0	0	0	0	0	16,552	5,150
Fleet Costs	16,979	16,611	0	1,160	0	0	0	0	0	17,771	1,160
Program Facility Costs	0	0	0	0	0	0	0	0	0	0	0
Other Internal Costs	(4,049)	(4,049)	0	0	0	0	0	0	0	(4,049)	0
Gross Expenditures	113,761	112,715	0	12,275	(4,475)	805	0	0	0	121,320	8,605
Recoveries & Allocations	(6,095)	(6,095)	0	(380)	0	0	0	0	0	(6,475)	(380)
Net Expenditure	107,666	106,620	0	11,895	(4,475)	805	0	0	0	114,845	8,225
Percent of 2024 Net Expenditure Budget			0.0%	11.2%	-4.2%	0.8%	0.0%	0.0%	0.0%	7.7%	

City of Ottawa
 Public Works Department
 Solid Waste Services - Operating Resource Requirement Analysis
 In Thousands (\$000)

	2023 Baseline			2024 Adjustments						2024	\$ Change over 2023 Budget
	Forecast	Budget	Adj. to Base Budget	Maintain Services	Provincial Legislated	Growth	COVID-19	Service Initiatives / Savings	User Fees & Revenues	Estimate	
Revenues By Type											
Federal	(33)	0	0	0	0	0	0	0	0	0	0
Provincial	(11,467)	(10,858)	0	0	(6,545)	0	0	0	0	(17,403)	(6,545)
Own Funds	0	0	0	0	0	0	0	0	0	0	0
Fees and Services	(61,920)	(61,516)	0	450	4,780	0	0	0	(7,045)	(63,331)	(1,815)
Fines	0	0	0	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total Revenue	(73,420)	(72,374)	0	450	(1,765)	0	0	0	(7,045)	(80,734)	(8,360)
Percent of 2024 Revenue Budget			0.0%	-0.6%	2.4%	0.0%	0.0%	0.0%	9.7%	11.6%	
Net Requirement	34,246	34,246	0	12,345	(6,240)	805	0	0	(7,045)	34,111	(135)
Percent of 2024 Net Requirement Budget			0.0%	36.0%	-18.2%	2.4%	0.0%	0.0%	-20.6%	-0.4%	
Full Time Equivalent (FTEs)		87.12	0.00	0.00	0.00	2.00	0.00	0.00	0.00	89.12	2.00
Percent of 2024 FTEs			0.0%	0.0%	0.0%	2.3%	0.0%	0.0%	0.0%	2.3%	

City of Ottawa
Public Works Department
Solid Waste Services - Operating Resource Requirement Explanatory Notes
In Thousands (\$000)

2023 Forecast vs. Budget Variance Explanation	Surplus / (Deficit)			
	Expense	Revenue	Net	
The expenses deficit is due to higher than budgeted organics processing costs. The revenues surplus is due to higher than budgeted household collection fees.	(1,046)	1,046	0	
Total Surplus / (Deficit)	(1,046)	1,046	0	
2024 Pressure Category / Explanation	Increase / (Decrease)			FTE Impact
	Expense	Revenue	Net 2024 Changes	
Maintain Services				
All programs include an adjustment for potential 2024 cost of living, increments and benefit adjustments.	435	0	435	0.00
Increase in Fleet costs related to inflation on compensation contracts, parts, contribution to capital reserve and maintenance.	1,160	0	1,160	0.00
Inflationary increase to curbside and multi residential garbage, recycling and green bin collection contracts.	3,070	0	3,070	0.00
Increase to the contribution to the Solid Waste Capital Reserve Fund.	5,150	0	5,150	0.00
Inflationary increase to the organics processing contract.	1,845	0	1,845	0.00
Delivery of blue, black and green bins to residents to reflect actual spending and increased demand.	235	0	235	0.00
Decrease in Soil Management revenues due to lack of capacity.	0	450	450	0.00
Inflationary increase to Biosolids program contract.	380	0	380	0.00
Inflationary increase to Biosolids program contract. Offset with recoveries and allocations.	(380)	0	(380)	0.00
Total Maintain Services	11,895	450	12,345	0.00

City of Ottawa
Public Works Department
Solid Waste Services - Operating Resource Requirement Explanatory Notes
In Thousands (\$000)

2024 Pressure Category / Explanation	Increase / (Decrease)			
	Expense	Revenue	Net 2024 Changes	FTE Impact
Provincial Legislated				
Elimination of recycling market revenues as a result of the implementation of Individual Producer Responsibility regulation.	0	4,780	4,780	0.00
Elimination of funding for the Household Hazardous Waste Depot program as part of the implementation of Individual Producer Responsibility regulation.	0	200	200	0.00
Elimination of funding from the Resource Productivity and Recovery Authority as part of the implementation of Individual Producer Responsibility regulation.	0	2,255	2,255	0.00
New source of funding for the collection of blue and black boxes from Circular Materials Ontario as part of the implementation of Individual Producer Responsibility regulation.	0	(9,000)	(9,000)	0.00
Removal of the cost of recycling processing contract due to the implementation of Individual Producer Responsibility regulation.	(4,475)	0	(4,475)	0.00
Total Provincial Legislated	(4,475)	(1,765)	(6,240)	0.00
2024 Pressure Category / Explanation	Increase / (Decrease)			
	Expense	Revenue	Net 2024 Changes	FTE Impact
Growth				
Solid Waste Inspectors to support the curbside diversion operations (ACS2023-PWD-SWS-0003).	225	0	225	2.00
Organics processing costs due to increased tonnage from Curbside Diversion Policy (ACS2023-PWD-SWS-0003).	580	0	580	0.00
Total Growth	805	0	805	2.00
2024 Pressure Category / Explanation	Increase / (Decrease)			
	Expense	Revenue	Net 2024 Changes	FTE Impact
User Fees & Revenues				
See following user fee schedule for details on the specific rates.	0	(7,045)	(7,045)	0.00
Total User Fees & Revenues	0	(7,045)	(7,045)	0.00
Total Budget Changes	8,225	(8,360)	(135)	2.00

City of Ottawa
 Public Works Department
 Forestry Services - Operating Resource Requirement Analysis
 In Thousands (\$000)

	2023 Baseline			2024 Adjustments						2024	\$ Change over 2023 Budget
	Forecast	Budget	Adj. to Base Budget	Maintain Services	Provincial Legislated	Growth	COVID-19	Service Initiatives / Savings	User Fees & Revenues	Estimate	
Expenditures by Program											
Forestry Services	23,475	20,944	0	490	0	280	0	0	0	21,714	770
Gross Expenditure	23,475	20,944	0	490	0	280	0	0	0	21,714	770
Recoveries & Allocations	0	0	0	0	0	0	0	0	0	0	0
Revenue	(631)	(631)	0	0	0	0	0	0	0	(631)	0
Net Requirement	22,844	20,313	0	490	0	280	0	0	0	21,083	770
Expenditures by Type											
Salaries, Wages & Benefits	9,770	9,770	0	415	0	280	0	0	0	10,465	695
Overtime	187	187	0	0	0	0	0	0	0	187	0
Material & Services	11,949	9,418	0	75	0	0	0	0	0	9,493	75
Transfers/Grants/Financial Charges	0	0	0	0	0	0	0	0	0	0	0
Fleet Costs	1,535	1,535	0	0	0	0	0	0	0	1,535	0
Program Facility Costs	0	0	0	0	0	0	0	0	0	0	0
Other Internal Costs	34	34	0	0	0	0	0	0	0	34	0
Gross Expenditures	23,475	20,944	0	490	0	280	0	0	0	21,714	770
Recoveries & Allocations	0	0	0	0	0	0	0	0	0	0	0
Net Expenditure	23,475	20,944	0	490	0	280	0	0	0	21,714	770
Percent of 2024 Net Expenditure Budget			0.0%	2.3%	0.0%	1.3%	0.0%	0.0%	0.0%	3.7%	
Revenues By Type											
Federal	0	0	0	0	0	0	0	0	0	0	0
Provincial	0	0	0	0	0	0	0	0	0	0	0
Own Funds	0	0	0	0	0	0	0	0	0	0	0
Fees and Services	(631)	(631)	0	0	0	0	0	0	0	(631)	0
Fines	0	0	0	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total Revenue	(631)	(631)	0	0	0	0	0	0	0	(631)	0
Percent of 2024 Revenue Budget			0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
Net Requirement	22,844	20,313	0	490	0	280	0	0	0	21,083	770
Percent of 2024 Net Requirement Budget			0.0%	2.4%	0.0%	1.4%	0.0%	0.0%	0.0%	3.8%	
Full Time Equivalents (FTEs)		91.32	0.00	0.00	0.00	2.00	0.00	0.00	0.00	93.32	2.00
Percent of 2024 FTEs			0.0%	0.0%	0.0%	2.2%	0.0%	0.0%	0.0%	2.2%	

City of Ottawa
Public Works Department
Forestry Services - Operating Resource Requirement Explanatory Notes
In Thousands (\$000)

2023 Forecast vs. Budget Variance Explanation	Surplus / (Deficit)			
	Expense	Revenue	Net	
Severe weather emergency response.	(2,531)	0	(2,531)	
Total Surplus / (Deficit)	(2,531)	0	(2,531)	
Increase / (Decrease)				
2024 Pressure Category / Explanation	Expense	Revenue	Net 2024 Changes	FTE Impact
Maintain Services				
All programs include an adjustment for potential 2024 cost of living, increments and benefit adjustments.	240	0	240	0.00
Increase in cost for vendor contracts signed in 2023 and expected in 2024 for maintenance contracts, grants, purchased services, and materials.	175	0	175	0.00
One-time professional services to support recommendations of the Council approved Urban Forest Management Plan (ACS2017-PIE-EDP-0012).	75	0	75	0.00
Total Maintain Services	490	0	490	0.00
Increase / (Decrease)				
2024 Pressure Category / Explanation	Expense	Revenue	Net 2024 Changes	FTE Impact
Growth				
Two permanent resources and two temporary coop student positions to implement the recommendations of the second management period of the Council approved Urban Forest Management Plan (ACS2017-PIE-EDP-0012) and Urban Forest Management Plan Update Report (ACS2023-PRE-EPD-0025). These positions directly support the development and early implementation of new tree planting programs focusing on neighbourhoods with low canopy cover.	280	0	280	2.00
Total Growth	280	0	280	2.00
Increase / (Decrease)				
2024 Pressure Category / Explanation	Expense	Revenue	Net 2024 Changes	FTE Impact
User Fees & Revenues				
See following user fee schedule for details on the specific rates.	0	0	0	0.00
Total User Fees & Revenues	0	0	0	0.00
Total Budget Changes	770	0	770	2.00

Capital Budget

City of Ottawa
2024 Draft Capital Budget
Environment and Climate Change Committee-Tax
In Thousands (\$000)

Service Area: Environment											
Category	2024 Draft Capital Budget	Revenues	Tax Supported/ Dedicated Reserves	Rate Supported Reserves	Develop. Charges	Gas Tax	Debt				
							Tax/ Dedicated	Rate	Develop. Charges	Gas Tax	Total Debt
Renewal of City Assets	0	0	0	0	0	0	0	0	0	0	0
Growth	0	0	0	0	0	0	0	0	0	0	0
Regulatory	0	0	0	0	0	0	0	0	0	0	0
Service Enhancements	8,214	0	8,014	0	0	0	200	0	0	0	200
Total	8,214	0	8,014	0	0	0	200	0	0	0	200

City of Ottawa
2024 Draft Capital Budget
Service Area: Environment
In Thousands (\$000)

Project Information			Financial Details					
908894 Rural Area Acquisitions (Rural)			Class of Estimate: Not Applicable					
Dept:	Planning, Real Estate, & Economic Development	Category: Service Enhancements	Ward: CW	Year of Completion: 2026				
Reduces greenhouse gases?		No	2024 Request		250	Projected Yearend Unspent Bal.		5,231
Builds climate resiliency?		Yes - Major Contribution	Revenues	0	Debt			
<p>Official Plan policies 11.6(5) and 11.6(6) authorize the City to secure and conserve important greenspaces and environmental lands through a variety of means, including but not limited to conservation easements, stewardship agreements, partnerships, and acquisitions. Securement of these lands supports the City's natural heritage system policies, reforestation goals, and wetland conservation goals. In some cases, the City may be obliged to purchase land at the request of the owner. Dedicated funding for the Program allows the City to pursue lands of interest and to respond to opportunities as they arise. Funding for environmental land conservation and acquisition fulfills both a corporate long-term strategic goal and Official Plan policy.</p> <p>Acquisition of greenspace land is critical to building resiliency to changing temperatures and precipitation.</p>			Tax Supported/ Dedicated	50	Tax Supported/ Dedicated Debt		200	
			Rate Supported	0	Rate Supported Debt		0	
			Develop. Charges	0	Develop. Charges Debt		0	
			Gas Tax	0	Gas Tax Debt		0	
			Forecast		2024	2025	2026	2027
			Authority	250	2,000	2,000	2,000	
Spending Plan	250	2,000	2,000	2,000				
FTEs	0	0	0	0				
Operating Impact	0	0	0	0				
911372 2024 Climate Change Master Plan			Class of Estimate: Not Applicable					
Dept:	Planning, Real Estate, & Economic Development	Category: Service Enhancements	Ward: CW	Year of Completion: 2027				
Reduces greenhouse gases?		Yes - Major Contribution	2024 Request		5,000	Projected Yearend Unspent Bal.		0
Builds climate resiliency?		Yes - Major Contribution	Revenues	0	Debt			
<p>The Climate Change Master Plan is the overarching framework for how the City of Ottawa will reduce emissions (climate mitigation) and build climate resiliency to current and future climate conditions (climate adaptation) in Ottawa. It includes eight priorities including Energy Evolution: Ottawa's Community Energy Transition Strategy and the Climate Resiliency Strategy. Energy Evolution is the framework for how Ottawa can achieve its greenhouse gas emission reduction targets and it identified priority projects to accelerate action and investment. The Climate Resiliency Strategy will build on the Climate Projections for the National Capital Region report and the Climate Vulnerability and Risk Assessment and will identify actions to mitigate the greatest risks. Funding for this initiative will be used to implement the Climate Change Master Plan and its supporting priorities.</p>			Tax Supported/ Dedicated	5,000	Tax Supported/ Dedicated Debt		0	
			Rate Supported	0	Rate Supported Debt		0	
			Develop. Charges	0	Develop. Charges Debt		0	
			Gas Tax	0	Gas Tax Debt		0	
			Forecast		2024	2025	2026	2027
			Authority	5,000	5,000	5,000	5,000	
Spending Plan	5,000	5,000	5,000	5,000				
FTEs	3	0	0	0				
Operating Impact	0	0	0	0				

City of Ottawa
2024 Draft Capital Budget
Service Area: Environment
 In Thousands (\$000)

Program Information			Financial Details				
Building Eng & Energy Mgmt			Class of Estimate: C) Planning				
Dept: Infrastructure & Water Services Department	Category: Service Enhancements	Ward: Multiple	Year of Completion: Various				
Reduces greenhouse gases?	Yes - Moderate Contribution	2024 Request	2,964	Projected Yearend Unspent Bal.			0
Builds climate resiliency?	Yes - Minor Contribution	Revenues	0	Debt			
<p>The Energy Management Investment Strategy is intended to manage the City's increasing growth in demand for energy through the implementation of various energy conservation measures in City facilities.</p> <p>The Energy Management Investment Strategy will reduce the City's environmental footprint, ensure the City's compliance under the mandate of the 2009 Green Energy Act and continue the City's leadership role in respect to energy conservation and demand management. Some energy investments may also have climate resilience benefits - e.g. heat pumps could provide more reliable cooling.</p> <p>\$2.964M will be invested into various facility enhancements designed to reduce overall building energy intensity, energy costs and greenhouse gas emissions. The measures are expected to have an average payback of 8 years.</p>		Tax Supported/ Dedicated	2,964	Tax Supported/ Dedicated Debt		0	
		Rate Supported	0	Rate Supported Debt		0	
		Develop. Charges	0	Develop. Charges Debt		0	
		Gas Tax	0	Gas Tax Debt		0	
		Forecast	2024	2025	2026	2027	
Authority	2,964	2,850	2,850	2,840			
Spending Plan	1,482	2,314	2,873	2,845			
FTEs	0	0	0	0			
Operating Impact	0	0	0	0			

City of Ottawa
2024 Draft Capital Budget
Service Area: Environment
In Thousands (\$000)

Project Information		Location/Description	\$000's
911346 2024 Energy Management & Invest.(BEEM)		Class of Estimate: C) Planning	2,964
Category: Service Enhancements	Ward: CW	Year of Completion: 2027	
<p>This program is intended to reduce overall building energy intensity, energy costs and greenhouse gas emissions to existing building assets and is a component of the corporate Buildings and Parks program.</p>			
Ward	Location	Description	
01	South Fallingbrook Community Centre	Replace HID Luminaires, Replace Fluorescent Lighting	
02	Blackburn Community Centre	Replace Furnace and A/C	
02	Bob Macquarrie Recreation Complex - Orleans	Replace Low E Ceiling	
02	Pierre Rocque Community Centre	Replace Interior Lighting	
05	West Carleton Community Complex	Replace Exterior Lighting	
11	Charmain Craven Day Care Centre	Replace Furnaces (2) and A/C	
11	Cyrville Depot Wood Work And Welding Shop	Replace Interior Lighting	
11	Cyrville Depot Works Garage	Replace Garage Area Lighting, Replace Truck Bay Lighting	
11	Earl Armstrong Arena	Replace HVAC Unit #1	
11	Library: North Gloucester	Replace Exit Signs	
11	Ropec Technical Services Building	Replace Interior Lighting	
12	Centre Richelieu Vanier	Replace Rooftop 30 Ton Unit	
12	Fire Station 57 - Beechwood	Replace Interior Lighting Type D	
12	Lowertown Complex	Replace Emergency Halogen Fixtures	
13	Fire Station 56 - Overbrook	Replace Light Fixtures	
13	New Edinburgh Park: Fieldhouse	Replace Exterior Lighting	
13	St Laurent Don Gamble Recreation Complex	Replace Exhaust Fan System	
15	Hintonburg Community Centre	Replace Gym HVAC	
18	Administration Building - OC Transpo	Replace HVAC Unit #1 & #2, Electric Boiler	
18	Fire Services Training Centre	Replace Fluorescent Lighting	
18	Industrial Bus Garage Facility- Maintenance	Snow Melt Boiler Optimization	
23	Eva James Memorial Community Centre	Replace HVAC Units (3)	
23	Kanata Recreation Complex	Replace DHW Boiler	

City of Ottawa
2024 Draft Capital Budget
Environment and Climate Change Committee-Tax
In Thousands (\$000)

Service Area: Solid Waste											
Category	2024 Draft Capital Budget	Revenues	Tax Supported/ Dedicated Reserves	Rate Supported Reserves	Develop. Charges	Gas Tax	Debt				
							Tax/ Dedicated	Rate	Develop. Charges	Gas Tax	Total Debt
Renewal of City Assets	17,000	0	10,000	0	0	0	7,000	0	0	0	7,000
Growth	0	0	0	0	0	0	0	0	0	0	0
Regulatory	13,114	0	3,164	0	0	0	9,950	0	0	0	9,950
Service Enhancements	4,500	0	4,500	0	0	0	0	0	0	0	0
Total	34,614	0	17,664	0	0	0	16,950	0	0	0	16,950

City of Ottawa
2024 Draft Capital Budget
Service Area: Solid Waste
 In Thousands (\$000)

Program Information			Financial Details					
Solid Waste Facilities Renewal			Class of Estimate: Not Applicable					
Dept: Public Works Department	Category: Renewal of City Assets	Ward: Multiple	Year of Completion: Various					
Reduces greenhouse gases?	No	2024 Request		17,000	Projected Yearend Unspent Bal.		2,412	
Builds climate resiliency?	No	Revenues	0	Debt				
Solid Waste Landfill buildings and disposal processing facilities require annual maintenance, repair and upgrade to ensure operational needs meet regulatory requirements as specified in the Provincial Certificate of Approval.		Tax Supported/ Dedicated	10,000	Tax Supported/ Dedicated Debt		7,000		
		Rate Supported	0	Rate Supported Debt		0		
		Develop. Charges	0	Develop. Charges Debt		0		
		Gas Tax	0	Gas Tax Debt		0		
		Forecast		2024	2025	2026	2027	
		Authority	17,000	1,000	1,500	2,500		
Spending Plan	17,000	1,000	1,500	2,500				
FTEs	0	0	0	0				
Operating Impact	0	0	0	0				

City of Ottawa
2024 Draft Capital Budget
Service Area: Solid Waste
In Thousands (\$000)

Project(s) within a Program Information			\$000's
911414 Trail Road Groundwater Management 2024		Class of Estimate: Not Applicable	
Category: Regulatory	Ward: CW	Year of Completion: 2027	
<p>A groundwater modelling study provided functional design recommendation, which has been accepted by the City and endorsed by the Ministry of Environment, Conservation, and Parks (MECP). It consists of constructing a purge well system, new pumping station and forcemain(s) to ensure the Trail Waste Facility (TWF) is able to properly manage impacted groundwater beneath Stages 1 and 2 of the landfill in order to meet regulatory compliance at the property boundary with flexibility to address dewatering and future pressures.</p>			
910586 Renewal of SW Facilities		Class of Estimate: Not Applicable	
Category: Renewal of City Assets	Ward: CW	Year of Completion: 2031	
<p>Funding to support proactive assessments and renewal requirements of the Solid Waste Facility buildings, including the Administration building, Scale house, Household Waste (HHW) and former Plasco building and landfill components. Solid Waste Landfill buildings, disposal processing facilities, and landfill components require annual maintenance, repair and upgrade to meet regulatory requirements as specified in the Provincial Certificate of Approval. Solid Waste Landfill buildings and disposal processing facilities require annual maintenance, repair and upgrade to ensure operational needs meet regulatory requirements as specified in the Provincial Certificate of Approval.</p>			

City of Ottawa
2024 Draft Capital Budget
Service Area: Solid Waste
 In Thousands (\$000)

Program Information		Financial Details				
Solid Waste Landfill Management		Class of Estimate: Not Applicable				
Dept: Public Works Department	Category: Regulatory	Ward: Multiple	Year of Completion: Various			
Reduces greenhouse gases?	Yes - Moderate Contribution	2024 Request	13,114	Projected Yearend Unspent Bal. 0		
Builds climate resiliency?	Yes - Minor Contribution	Revenues	0	Debt		
<p>The Trail Road Solid Waste Landfill requires annual maintenance, repair and upgrade to meet regulatory requirements as specified in the Provincial Certificate of Approval. This program consists of landfill capping of various stages, gas collection systems, groundwater containment solutions, cell expansion and other landfill management projects to keep the landfill operating efficiently, effectively and in compliance.</p>		Tax Supported/ Dedicated	3,164	Tax Supported/ Dedicated Debt	9,950	
		Rate Supported	0	Rate Supported Debt	0	
		Develop. Charges	0	Develop. Charges Debt	0	
		Gas Tax	0	Gas Tax Debt	0	
		Forecast	2024	2025	2026	2027
		Authority	13,114	9,950	9,950	3,950
		Spending Plan	13,114	9,950	9,950	3,950
		FTEs	0	0	0	0
		Operating Impact	0	0	0	0

City of Ottawa
2024 Draft Capital Budget
Service Area: Solid Waste
In Thousands (\$000)

Project(s) within a Program Information			\$000's
911435 Landfill Stage 3 Capping 2024		Class of Estimate: Not Applicable	8,664
Category: Regulatory	Ward: 21	Year of Completion: 2027	
<p>Vertical expansion of the Trail Waste Facility was approved in 2005 as part of an Environmental Assessment (EA) Optimization/Expansion Project. The landfilling operation commenced with the vertical expansion of Stage 1 in 2007. Stage 1 capping was completed in 2015/16 and now Stage 2 was completed in 2021. As dictated by the Environmental Assessment, the final cover for Stage 3 is a low permeability geomembrane described conceptually in "Appendix M – Design and Operations Report, Trail Waste Facility Landfill, Optimization/Expansion Project, Environmental Assessment/Environmental Protection Act Document". Stage 3 is being capped over two years. The 1st phase was completed as a mitigative measure in 2021 due to groundwater migration concerns, and the next phase will be constructed in 2024, with year of completion in 2025.</p>			
907797 Landfill Stage 4 Capping		Class of Estimate: Not Applicable	1,000
Category: Regulatory	Ward: 21	Year of Completion: 2027	
<p>Vertical expansion of the Trail Waste Facility was approved in 2005 as part of an Environmental Assessment (EA) Optimization/Expansion Project. The landfilling operation commenced with the vertical expansion of Stage 1 in 2007. Stage 1 capping was completed in 2015/16 and now Stage 2 was completed in 2021. As dictated by the Environmental Assessment, the final cover for Stage 3 is a low permeability geomembrane described conceptually in "Appendix M – Design and Operations Report, Trail Waste Facility Landfill, Optimization/Expansion Project, Environmental Assessment/Environmental Protection Act Document". Stage 3 is being capped over two years. The 1st phase was completed as a mitigative measure in 2021 due to groundwater migration concerns, and the next phase will be constructed in 2024, with year of completion in 2025. Stage 4 design phase is slated for 2024, and will receive final cover installation over two years, with construction of Stage 4A commencing in 2025 and Stage 4B in 2026, year of completion is 2027.</p>			
911210 Buffer land Development 2024		Class of Estimate: Not Applicable	1,500
Category: Regulatory	Ward: 21	Year of Completion: 2026	
<p>As a result of residential growth and increased diversion efforts of leaf and yard waste, there is an ongoing requirement to expand the existing processing facility, implement seasonal temporary collection transfer stations across the city and for processing an increasing quantity of the incoming materials. Each spring and fall, a peak period is determined in which leaf and yard waste is collected as a single stream material as part of the city's existing waste collection contract. Transfer station(s) are established strategically in the city before these materials are then hauled to the Barnsdale Road processing facility. Costs for labour, equipment, contracted services and facility rental/maintenance is required to establish transfer station(s) and move material to Barnsdale Road. With increasing leaf and yard waste quantities incoming, expansion of the processing pad is required. This expansion includes the excavation of native materials, purchase of new base and surface materials as well as the equipment and labour to construct. Materials on site must be managed regularly and costs related to additional equipment, labour and technological devices, and professional services as required. Expansion of the leaf and yard waste facility to accommodate the recent increases in volumes may also somewhat buffer the City when receiving larger volumes of these materials following extreme weather events. In addition to the Barnsdale, expansion and development of bufferlands properties is also required to support continuous operational requirements, given the development of the final waste footprint and the limited operational surface space required to support ongoing activities, such as soil management, etc.</p>			

City of Ottawa
2024 Draft Capital Budget
Service Area: Solid Waste
In Thousands (\$000)

Project(s) within a Program Information			\$000's
911211 Trail Road Landfill Expansion 2024		Class of Estimate: Not Applicable	
Category: Regulatory	Ward: 21	Year of Completion: 2026	
<p>The Trail Road Landfill operates on a continuous basis for disposal of solid waste material. As such annual reinvestment is required to identify and address operational and safety improvements of the site. For example, modifications to signage, fencing replacement, material stock pile volume measurements and associated design and operations reports and studies.</p>			
911212 Trail Road Gas Collection System 2024		Class of Estimate: Not Applicable	
Category: Regulatory	Ward: 21	Year of Completion: 2026	
<p>The Trail Road Solid Waste Landfill requires annual maintenance, repair and upgrade to meet regulatory requirements as specified in the Provincial Certificate of Approval. This program consists of landfill capping of various stages, gas collection systems, groundwater containment solutions, cell expansion and other landfill management projects to keep the landfill operating efficiently, effectively and in compliance. In accordance with the requirements of the Environmental Protection Act, the City of Ottawa is required to prevent the migration of landfill gas into the environment. The landfill gas collection system was expanded to Stage 3 and 4 as well as around the perimeter of the site over the past several years to compliment landfilling activities and mitigate off-site migration. The City continues to operate under an abatement plan with the Ministry of Environment, Conservation, and Parks (MECP) as a result of exceedence of landfill gas trigger concentrations along the perimeter of the site. Functions associated with the activity include replacement of the temporary perimeter flare, repairs and expansion of the existing gas collection system and installation of a permanent gas collection system on completed portions of Stage 2 and 3 of the Trail Road Solid Waste Landfill. Furthermore, a supplementary enhanced gas collection system will need to be designed and installed in conjunction with the leachate recirculation system.</p>			

City of Ottawa
2024 Draft Capital Budget
Service Area: Solid Waste
 In Thousands (\$000)

Program Information		Financial Details				
Solid Waste Studies Program		Class of Estimate: Not Applicable				
Dept: Public Works Department	Category: Service Enhancements	Ward: Multiple	Year of Completion: Various			
Reduces greenhouse gases?	Yes - Minor Contribution	2024 Request	4,500	Projected Yearend Unspent Bal. 2,702		
Builds climate resiliency?	No	Revenues	0	Debt		
<p>Planning and managing the development, implementation, evaluation and enhancement of the City's long-term Solid Waste plans and related policies, programs, services and projects that will guide the management of recyclables and garbage over the next thirty years. Funding is required for the projects supporting the Solid Waste Master Plan's engagement series 3, city-wide waste audits, multi-residential diversion strategy implementation, review of the waste collection contracts, parks recycling pilot project, residual waste management strategy development, implementation of Individual Producer Responsibility (IPR) and other waste management and diversion priorities. The Solid Waste Master Plan and long-term planning initiatives and associated funding are critical to achieving the goals of Energy Evolution over the coming years. Funding requests in 2024 will support important projects.</p>		Tax Supported/ Dedicated	4,500	Tax Supported/ Dedicated Debt	0	
		Rate Supported	0	Rate Supported Debt	0	
		Develop. Charges	0	Develop. Charges Debt	0	
		Gas Tax	0	Gas Tax Debt	0	
		Forecast	2024	2025	2026	2027
		Authority	4,500	7	275	0
Spending Plan	4,500	7	275	0		
FTEs	0	0	0	0		
Operating Impact	0	0	0	0		

City of Ottawa
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Service Area: Solid Waste
 In Thousands (\$000)

Project(s) within a Program Information			\$000's
909431	Long Term Planning	Class of Estimate: Not Applicable	4,500
Category: Service Enhancements	Ward: CW	Year of Completion: 2030	
<p>Planning and managing the development, implementation, evaluation and enhancement of the City's long-term Solid Waste plans and related policies, programs, services and projects that will guide the management of recyclables and garbage over the next thirty years. Planning and reviews began in 2019 and additional funding is required for the projects supporting the Solid Waste Master Plan, review of the waste collection contracts, various recycling pilot projects and other waste management and diversion priorities.</p>			

**City Of Ottawa
2024 Draft Capital Budget
Environment and Climate Change Committee - Tax
Four Year Forecast Summary
In Thousands (\$000)**

Project Description	2024	2025	2026	2027	Total
Environment					
Service Enhancements					
908894 Natural Area Acquisitions (Rural)	250	2,000	2,000	2,000	6,250
911346 2024 Energy Management & Invest.(BEEM)	2,964	2,850	2,850	2,840	11,504
911372 2024 Climate Change Master Plan	5,000	5,000	5,000	5,000	20,000
Service Enhancements Total	8,214	9,850	9,850	9,840	37,754
Environment Total	8,214	9,850	9,850	9,840	37,754
Solid Waste					
Renewal of City Assets					
906167 Leachate Treatment Facility	0	0	21,000	5,000	26,000
909399 Trail Road Landfill Cap Repair	0	1,000	0	0	1,000
910586 Renewal of SW Facilities	2,000	1,000	1,500	2,500	7,000
Renewal of City Assets Total	2,000	2,000	22,500	7,500	34,000
Growth					
910587 Solid Waste Fleet Growth - Special	0	200	250	45	495
Growth Total	0	200	250	45	495
Regulatory					
907797 Landfill Stage 4 Capping	1,000	7,000	7,000	1,000	16,000
907799 Landfill Disposal Stage 5 Development	0	0	37,000	0	37,000
911062 Landfill Disposal Stage 5 A Capping	0	0	0	0	0
911414 Trail Road Groundwater Management 2024	15,000	0	0	0	15,000
911435 Landfill Stage 3 Capping 2024	8,664	0	0	0	8,664
911210 Buffer land Development 2024	1,500	1,000	1,000	1,000	4,500
911211 Trail Road Landfill Expansion 2024	950	950	950	950	3,800
911212 Trail Road Gas Collection System 2024	1,000	1,000	1,000	1,000	4,000
Regulatory Total	28,114	9,950	46,950	3,950	88,964

City Of Ottawa
2024 Draft Capital Budget
Environment and Climate Change Committee - Tax
Four Year Forecast Summary
In Thousands (\$000)

Project Description	2024	2025	2026	2027	Total
Service Enhancements					
909431 Long Term Planning	4,500	7	275	0	4,782
Service Enhancements Total	4,500	7	275	0	4,782
Solid Waste Total	34,614	12,157	69,975	11,495	128,241
Grand Total	42,828	22,007	79,825	21,335	165,995

City Of Ottawa
Capital Works-In-Progress as at September 30, 2023
Environment and Climate Change - Tax
In Thousands \$(000's)

Project Description	Authority	Expenditures	Unspent Cash Balance	Total Contractual Obligations	Unspent Balance including Contractual Obligations
Environment					
906381 Climate Change Master Plan	1,374	735	639	179	459
908869 Green Fleet	500	500	0	0	0
908880 Energy Evolution	7,074	2,766	4,307	1,205	3,102
908894 Natural Area Acquisitions (Rural)	5,588	350	5,238	6	5,231
909139 AQCCMP National Disaster Mitigation Prog	61	36	25	0	25
909255 Renewable Energy Transition Projects	633	598	35	0	35
909836 Energy Mngmnt & Invest. Strategy 2020	3,000	3,381	(381)	70	(451)
909865 2020 Natural Area Acquisitions (Urban)	2,045	1,501	544	0	544
910169 Energy Management & Invest Strategy 2021	3,000	1,895	1,105	186	919
910568 Energy Management & Invest Strategy 2022	3,000	1,966	1,034	286	748
910657 BHL P - Residential Retrofit Projects	27,000	5,528	21,472	0	21,472
910680 BHL P - Program Delivery	3,782	886	2,895	0	2,895
910731 Excess Soils Program	320	127	193	0	193
911009 Bear Brook Watershed Study	725	0	725	0	725
911022 2023 Climate Change Master Plan	5,000	26	4,974	74	4,901
911061 Energy Management & Invest. Strategy 202	3,000	37	2,963	879	2,084
911080 Hintonburg Community Centre Retrofit	935	286	649	316	333
911081 Zero Emission Vehicle Infrastructure	250	132	118	0	118
911126 BHL P - Heat Pump Incentive	800	3	797	0	797
Environment Total	68,086	20,754	47,332	3,201	44,132
Solid Waste					
906167 Leachate Treatment Facility	8,500	6,700	1,800	762	1,038
907043 Springhill Landfill	700	63	637	48	589
907238 Landfill Disposal Stage 2 Capping	21,623	21,378	245	16	229
907352 Landfill Stage 3 Capping	8,091	5,994	2,097	104	1,993
907354 Solid Waste Business Technology	1,100	349	751	0	751
907611 Trail Road Stormwater Ponds and Ditches	183	123	59	0	59
907799 Landfill Disposal Stage 5 Development	47,561	10,166	37,395	21,199	16,196
907816 Groundwater Management	1,450	1,180	270	18	252
909430 Nepean Landfill Cap Repair	1,600	1,153	447	274	173
909431 Long Term Planning	8,844	5,534	3,310	607	2,702

City Of Ottawa
 Capital Works-In-Progress as at September 30, 2023
 Environment and Climate Change - Tax
 In Thousands \$(000's)

Project Description	Authority	Expenditures	Unspent Cash Balance	Total Contractual Obligations	Unspent Balance including Contractual Obligations
909627 Solid Waste Fleet Growth	2,623	1,506	1,116	836	281
909894 Trail Road Groundwater Management	6,150	997	5,153	1,277	3,876
910199 Trail Road Landfill - Expansion & Develo	2,227	2,185	42	95	(53)
910210 Trail Road Gas Collection System Expansi	2,311	1,979	332	241	91
910586 Renewal of SW Facilities	2,500	57	2,443	31	2,412
910667 Land purchase	2,773	2,785	(12)	11	(23)
910961 Buffer land Development	4,060	0	4,060	0	4,060
910962 Trail Road Landfill Expansion	950	0	950	0	950
910963 Trail Road Gas Collection Expansion	605	22	583	580	3
Solid Waste Total	123,850	62,173	61,677	26,099	35,578
Forestry Services					
910479 Forestry - Concrete Tree Well Covers	400	61	339	160	180
Forestry Services Total	400	61	339	160	180
Grand Total	192,336	82,987	109,349	29,460	79,889