Environment and Climate Protection Committee

Tax Supported Programs

BUDGET 2018

Balanced, Affordable and Progressive

Adopted December 13, 2017

2017-078

Table of Contents

Environment and Climate Protection Committe - Tax Supported

Briefing Notes....1
- Infrastructure Services....1
- Solid Waste Services....3
- Forestry Services....5

Operating Resource Requirement Summary....7

Infrastructure Services....8
- Operating Resource Requirement....8
- User Fees....9

Environmental Initiatives....10
- Operating Resource Requirement....10

Solid Waste Services....11
- Operating Resource Requirement....11
- User Fees....12

Forestry Services....14
- Operating Resource Requirement....14
- User Fees....15

Capital Program Funding Summary....16

Planning, Infrastructure and Economic Development (PIED)
Department Infrastructure Services (IS)
2018 Budget Briefing Note

Description

Infrastructure Services (IS) is part of the Planning, Infrastructure and Economic Development (PIED) Department, a department that champions the city-building agenda – from planning and delivering growth opportunities and infrastructure, to managing City assets, to fostering economic prosperity.

Vision

To build a better Ottawa for all to enjoy, today and into the future.

Mission

To implement city-building priorities from planning and delivering infrastructure projects, to managing infrastructure assets and investments.

Programs/Services Offered

In addition to Infrastructure Services' most visible service, construction, there are two key priorities: Comprehensive Asset Management (CAM) Program which focuses on defining the right projects needed to sustain the City's infrastructure and the Integrated Departmental Management Plan (IDMP) focused on doing the projects right.

The following are services offered by Infrastructure Services:

Asset Management

Administer and optimize the lifecycle of municipal infrastructure, maintain inventory, undertake condition and performance assessments, develop risk-based renewal strategies and define investment needs. Lead water resource master planning, source water protection and capital program definition.

Quality Assurance and Standards

Provide overall quality management on infrastructure projects in terms of design guidelines and construction standards, material quality and project delivery practices.

Design and Construction

Manage the design and construction of new and renewal of existing municipal infrastructure, buildings and parks.

Public Works & Environmental Services Department
Solid Waste Services
2018 Budget Briefing Note

Description

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

- Operational planning for future requirements including system growth and development provision of collection, disposal and processing facilities, and ensuring there is long term capacity for residential waste
- Provision of systems and facilities for residential recycling and household hazardous waste management
- Provision of systems and facilities for residential organics collection and composting
- Planning, developing and implementing residential waste diversion programs
- Environmentally sound management, operation and maintenance of City-owned landfills and collection programs
- Provision of graffiti removal from City property in accordance with the Council-approved Graffiti Management Strategy

Programs/Services Offered

- Collection and disposal of residential waste
- Residential waste diversion programs
- Operational Planning
- Landfill operations
- Compliance management
- Asset management

- Graffiti removal from City assets in the municipal rights-of-way; and
- Financial Resources Management

Public Works & Environmental Services Department
Parks, Forestry & Stormwater Water Services
2018 Budget Briefing Note

Description

The Public Works & Environmental Services Department is responsible for overseeing drinking water production and distribution, wastewater collection and treatment, surface water management, solid waste collection, processing and disposal, roads, parks, and forestry maintenance and operations, and parking development and operations.

Public Works & Environmental Services has clear service mandates and clear lines of business accountability including:

- One-stop shop for the city's road, park and forestry operations and maintenance, parking related matters; and environmental services such as drinking water, waste water, surface water and solid waste
- Ability to respond quickly and share resources
- Common service districts for all field operations
- Clear service standards
- Structured around community needs
- Strong focus on continuous improvement and performance management.

Programs/Services Offered

Parks, Forestry and Stormwater

Provides centralized management of the City's parks including 508 sports fields and 282 ball diamonds, 4,421 hectares of parkland in more than 1,247sites and 1984 play structures. Annually, the service area completes an average of 6,000 service requests with 97% being completed within established service levels.

Manages all aspects of the City's 10,000 hectares of urban and rural forests including 346,000 street and park trees. Plants 125,000 trees annually across the City in urban, suburban and rural areas. Manages invasive species, such has the Emerald Ash Borer. Waters and establishes maintenance of new and hard surface planted trees, removes trees and stumps as required.

Responsible for the operational planning, development and management of the City's storm water drainage and treatment systems. This includes 234 storm water management ponds, 113 underground storm treatment/control facilities, the maintenance of approximately 2, 600 km of storm sewers and appurtenances. The service area conducts approximately 106,000 water quality tests annually. Oversees inter-department storm water programs and initiatives.

City of Ottawa
Environment and Climate Protection Committee - Operating Resource Requirement
In Thousands ($000)

	2016	2017		2018	
	Actual	Forecast	Budget	Adopted	$ Change over 2017 Budget
Expenditures by Program					
Infrastructure Services	26,799	26,928	28,436	29,111	675
Environmental Initiatives	544	526	526	531	5
Solid Waste Services	69,820	74,421	72,611	74,581	1,970
Forestry Services	19,043	18,125	18,125	18,290	165
Gross Expenditure	**116,206**	**120,000**	**119,698**	**122,513**	**2,815**
Recoveries & Allocations	-24,807	-23,714	-25,222	-25,822	-600
Revenue	-51,367	-55,509	-50,129	-51,154	-1,025
Net Requirement	**40,032**	**40,777**	**44,347**	**45,537**	**1,190**
Expenditures by Type					
Salaries, Wages & Benefits	43,563	43,819	44,548	45,766	1,218
Overtime	1,302	1,262	962	984	22
Material & Services	55,559	58,873	58,924	60,394	1,470
Transfers/Grants/Financial Charges	4,686	4,655	5,377	5,377	0
Fleet Costs	9,303	9,124	8,361	8,466	105
Program Facility Costs	0	0	0	0	0
Other Internal Costs	1,793	2,267	1,526	1,526	0
Gross Expenditures	**116,206**	**120,000**	**119,698**	**122,513**	**2,815**
Recoveries & Allocations	-24,807	-23,714	-25,222	-25,822	-600
Net Expenditure	**91,399**	**96,286**	**94,476**	**96,691**	**2,215**
Revenues By Type					
Federal	0	0	0	0	0
Provincial	-6,181	-6,129	-6,129	-6,129	0
Municipal	0	0	0	0	0
Own Funds	-58	0	0	0	0
Fees and Services	-45,128	-49,380	-44,000	-45,025	-1,025
Fines	0	0	0	0	0
Other	0	0	0	0	0
Total Revenue	**-51,367**	**-55,509**	**-50,129**	**-51,154**	**-1,025**
Net Requirement	**40,032**	**40,777**	**44,347**	**45,537**	**1,190**
Full Time Equivalents			**350.14**	**350.14**	**0.00**

City of Ottawa
Planning, Infrastructure & Economic Development Department
Infrastructure Services - Operating Resource Requirement
In Thousands ($000)

	2016	2017		2018	
	Actual	Forecast	Budget	Adopted	$ Change over 2017 Budget
Expenditures by Program					
Director's Office	1,316	781	781	816	35
Quality Assurance	2,759	2,305	2,305	2,355	50
Combined Sewage Storage Tunnel Project	263	357	155	160	5
Design & Construction - Branch 1	6,107	6,087	6,312	6,447	135
Design & Construction - Branch 2	5,249	5,645	6,589	6,764	175
Asset Management	11,105	11,753	12,294	12,569	275
Gross Expenditure	**26,799**	**26,928**	**28,436**	**29,111**	**675**
Recoveries & Allocations	-20,401	-21,163	-22,671	-23,271	-600
Revenue	-73	-39	-39	-39	0
Net Requirement	**6,325**	**5,726**	**5,726**	**5,801**	**75**
Expenditures by Type					
Salaries, Wages & Benefits	23,507	22,499	24,116	24,791	675
Overtime	157	177	177	177	0
Material & Services	2,927	4,046	3,975	3,975	0
Transfers/Grants/Financial Charges	0	0	0	0	0
Fleet Costs	85	97	97	97	0
Program Facility Costs	0	0	0	0	0
Other Internal Costs	123	109	71	71	0
Gross Expenditures	**26,799**	**26,928**	**28,436**	**29,111**	**675**
Recoveries & Allocations	-20,401	-21,163	-22,671	-23,271	-600
Net Expenditure	**6,398**	**5,765**	**5,765**	**5,840**	**75**
Revenues By Type					
Federal	0	0	0	0	0
Provincial	0	0	0	0	0
Municipal	0	0	0	0	0
Own Funds	-58	0	0	0	0
Fees and Services	-15	-39	-39	-39	0
Fines	0	0	0	0	0
Other	0	0	0	0	0
Total Revenue	**-73**	**-39**	**-39**	**-39**	**0**
Net Requirement	**6,325**	**5,726**	**5,726**	**5,801**	**75**
Full Time Equivalents			**198.42**	**198.42**	**0.00**

City of Ottawa
Planning, Infrastructure & Economic Development Department
Infrastructure Services - User Fees

	2016 Rate $	2017 Rate $	2018 Rate $	% Change Over 2017	% Change Over 2016	Effective Date	2018 Revenue ($000)
Road Cut Degradation Fees							
Road Cut Pavement Degradation fees (per square meter)							
2 years or less	34.80	35.50	36.20	2.0%	4.0%	01-Jan-18	
2 to 4 years	28.90	29.50	30.10	2.0%	4.2%	01-Jan-18	
4 to 7 years	23.20	23.70	24.20	2.1%	4.3%	01-Jan-18	
7 to 10 years	14.50	14.80	15.10	2.0%	4.1%	01-Jan-18	
10 years or more	5.80	5.90	6.00	1.7%	3.4%	01-Jan-18	
Contract Manual							
Contract Manual (CD only)	75.20	76.70	80.00	4.3%	6.4%	01-Jan-18	
Guideline Publications							
Guideline Publications (hard copy)	301.00	307.00	350.00	14.0%	16.3%	01-Jan-18	
Guideline Publications (CD only)	75.20	76.70	80.00	4.3%	6.4%	01-Jan-18	
Accident Inspections							
3 hour minimum (hourly rate)	153.00	156.10	160.00	2.5%	4.6%	01-Jan-18	
Any third party charges (cost recovery)	100%	100%	100%	0.0%	0.0%	01-Jan-18	
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-18	
Total Departmental							**0**

City of Ottawa
Planning, Infrastructure & Economic Development Department
Environmental Initiatives - Operating Resource Requirement
In Thousands ($000)

	2016	2017		2018	
	Actual	Forecast	Budget	Adopted	$ Change over 2017 Budget
Expenditures by Program					
Environmental Initiatives	544	526	526	531	5
Gross Expenditure	**544**	**526**	**526**	**531**	**5**
Recoveries & Allocations	-132	0	0	0	0
Revenue	0	0	0	0	0
Net Requirement	**412**	**526**	**526**	**531**	**5**
Expenditures by Type					
Salaries, Wages & Benefits	395	343	343	348	5
Overtime	3	5	5	5	0
Material & Services	84	128	128	128	0
Transfers/Grants/Financial Charges	58	50	50	50	0
Fleet Costs	0	0	0	0	0
Program Facility Costs	0	0	0	0	0
Other Internal Costs	4	0	0	0	0
Gross Expenditures	**544**	**526**	**526**	**531**	**5**
Recoveries & Allocations	-132	0	0	0	0
Net Expenditure	**412**	**526**	**526**	**531**	**5**
Revenues By Type					
Federal	0	0	0	0	0
Provincial	0	0	0	0	0
Municipal	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	**412**	**526**	**526**	**531**	**5**
Full Time Equivalents			**2.00**	**2.00**	**0.00**

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

	2016	2017		2018	
	Actual	Forecast	Budget	Adopted	$ Change over 2017 Budget
Expenditures by Program					
Director's Office	306	827	476	481	5
Diversion/Recycling	41,446	41,644	41,516	42,539	1,023
Graffiti Management	0	889	659	659	0
Landfill Operations/Disposal	7,467	10,744	8,899	9,243	344
Garbage Collection	14,655	14,594	14,895	15,487	592
Other	624	419	419	425	6
Solid Waste Non Departmental	5,322	5,304	5,747	5,747	0
Gross Expenditure	**69,820**	**74,421**	**72,611**	**74,581**	**1,970**
Recoveries & Allocations	-4,271	-2,551	-2,551	-2,551	0
Revenue	-51,037	-55,425	-50,045	-51,070	-1,025
Net Requirement	**14,512**	**16,445**	**20,015**	**20,960**	**945**
Expenditures by Type					
Salaries, Wages & Benefits	12,169	13,346	12,458	12,849	391
Overtime	917	915	615	634	19
Material & Services	42,899	45,503	45,625	47,095	1,470
Transfers/Grants/Financial Charges	4,603	4,605	5,327	5,327	0
Fleet Costs	7,832	7,915	7,152	7,242	90
Program Facility Costs	0	0	0	0	0
Other Internal Costs	1,400	2,137	1,434	1,434	0
Gross Expenditures	**69,820**	**74,421**	**72,611**	**74,581**	**1,970**
Recoveries & Allocations	-4,271	-2,551	-2,551	-2,551	0
Net Expenditure	**65,549**	**71,870**	**70,060**	**72,030**	**1,970**
Revenues By Type					
Federal	0	0	0	0	0
Provincial	-6,181	-6,129	-6,129	-6,129	0
Municipal	0	0	0	0	0
Own Funds	0	0	0	0	0
Fees and Services	-44,856	-49,296	-43,916	-44,941	-1,025
Fines	0	0	0	0	0
Other	0	0	0	0	0
Total Revenue	**-51,037**	**-55,425**	**-50,045**	**-51,070**	**-1,025**
Net Requirement	**14,512**	**16,445**	**20,015**	**20,960**	**945**
Full Time Equivalents			**68.40**	**68.40**	**0.00**

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

	2016 Rate $	2017 Rate $	2018 Rate $	% Change Over 2017	% Change Over 2016	Effective Date	2018 Revenue ($000)
Solid Waste - User Fees							-560
Single Family Household	82.00	84.00	86.00	2.4%	4.9%	01-Jan-18	
Multi Residential Household	40.00	41.00	42.00	2.4%	5.0%	01-Jan-18	
Yellow Bag per bag fee	3.65	3.75	3.75	0.0%	2.7%	01-Jan-18	
Landfill Operations - Tipping Fees							-40
Waste Materials							
Garbage <=100 kg (minimum)	10.60	10.80	11.00	1.9%	3.8%	01-Mar-18	
Garbage >100 kg (per tonne)	106.00	108.00	110.00	1.9%	3.8%	01-Mar-18	
Mixed garbage & recyclable material <=100 kg (minimum)	53.00	21.60	22.00	1.9%	-58.5%	01-Mar-18	
Mixed garbage & recyclable material >100 kg (per tonne)	212.00	216.00	220.00	1.9%	3.8%	01-Mar-18	
Asbestos <=250 kg per load flat rate (minimum)	116.75	119.00	121.00	1.7%	3.6%	01-Mar-18	
Asbestos >250 kg (per tonne)	467.00	476.00	484.00	1.7%	3.6%	01-Mar-18	
Diversion Program - Clean Loads							
Metal /Tires	Free	Free	Free	N/A	N/A	01-Mar-18	
E-waste	Free	Free	Free	N/A	N/A	01-Mar-18	
Blue Box Material	Free	Free	Free	N/A	N/A	01-Mar-18	
Cardboard <=100 kg (minimum)	Free	5.20	5.30	1.9%	N/A	01-Mar-18	
Cardboard >100 kg (per tonne)	Free	52.00	53.00	1.9%	N/A	01-Mar-18	
Leaf and Yard Waste under 10 cm in diameter <=100 kg (minimum)	12.75	5.20	3.75	-27.9%	-70.6%	01-Mar-18	
Leaf and Yard Waste >100 kg (per tonne)	51.00	52.00	37.50	-27.9%	-26.5%	01-Mar-18	
Soil/Fill - required <=200 kg (minimum) (Top soil, sand, sod, asphalt, masonry, concrete without rebar)	6.35	5.40	5.50	1.9%	-13.4%	01-Mar-18	
Soil/Fill - required >200 kg (per tonne) (Top soil, sand, sod, asphalt, masonry, concrete without rebar)	26.50	27.00	27.50	1.9%	3.8%	01-Mar-18	
Woodchips <=200 kg (minimum)		5.40	5.50	1.9%	N/A	01-Mar-18	
Woodchips >200 kg (per tonne)	26.50	27.00	27.50	1.9%	3.8%	01-Mar-18	

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

	2016 Rate $	2017 Rate $	2018 Rate $	% Change Over 2017	% Change Over 2016	Effective Date	2018 Revenue ($000)
Retail Materials Program							
Municipal Compost <=200 kg (minimum)	11.50	7.80	8.00	2.6%	-30.4%	01-Mar-18	
Municipal Compost >200 kg (per tonne)	28.50	39.00	40.00	2.6%	40.4%	01-Mar-18	
Blue/Black boxes (sold to public through retailer, each)*	9.99	9.99	9.99	0.0%	0.0%	N/A	
Organics Green Bin 80 L (sold to public through retailer, each, except for service growth)*	39.99	39.99	39.99	0.0%	0.0%	N/A	
Organics Green Bin 46 L (sold to public through retailer, each, except for service growth)*	29.99	29.99	29.99	0.0%	0.0%	N/A	
Organics Kitchen Container (sold to public through retailer, each, except for service growth)*	8.99	8.99	8.99	0.0%	0.0%	N/A	
Total Departmental							**-600**

Note:

* These prices are set until June 30, 2018 at which time a new agreement with new prices, yet to be negotiated and determined, will come into effect.

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

	2016	2017		2018	
	Actual	Forecast	Budget	Adopted	$ Change over 2017 Budget
Expenditures by Program					
Forestry Services	19,043	18,125	18,125	18,290	165
Gross Expenditure	**19,043**	**18,125**	**18,125**	**18,290**	**165**
Recoveries & Allocations	-3	0	0	0	0
Revenue	-257	-45	-45	-45	0
Net Requirement	**18,783**	**18,080**	**18,080**	**18,245**	**165**
Expenditures by Type					
Salaries, Wages & Benefits	7,492	7,631	7,631	7,778	147
Overtime	225	165	165	168	3
Material & Services	9,649	9,196	9,196	9,196	0
Transfers/Grants/Financial Charges	25	0	0	0	0
Fleet Costs	1,386	1,112	1,112	1,127	15
Program Facility Costs	0	0	0	0	0
Other Internal Costs	266	21	21	21	0
Gross Expenditures	**19,043**	**18,125**	**18,125**	**18,290**	**165**
Recoveries & Allocations	-3	0	0	0	0
Net Expenditure	**19,040**	**18,125**	**18,125**	**18,290**	**165**
Revenues By Type					
Federal	0	0	0	0	0
Provincial	0	0	0	0	0
Municipal	0	0	0	0	0
Own Funds	0	0	0	0	0
Fees and Services	-257	-45	-45	-45	0
Fines	0	0	0	0	0
Other	0	0	0	0	0
Total Revenue	**-257**	**-45**	**-45**	**-45**	**0**
Net Requirement	**18,783**	**18,080**	**18,080**	**18,245**	**165**
Full Time Equivalents			**81.32**	**81.32**	**0.00**

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

	2016 Rate $	2017 Rate $	2018 Rate $	% Change Over 2017	% Change Over 2016	Effective Date	2018 Revenue ($000)
Tree Planting Deposit - Low Rise Housing	700.00	700.00	700.00	0.0%	0.0%		
Establish a permit fee for Distinctive Tree Bylaw 2009-200 part 3 - Small Property Component -- For properties one hectare or less in size, and condominium and multi-residential properties of all sizes, if a landowner wants to remove a tree that is greater than 50 centimetres (20 inches) in diameter, they must obtain a Distinctive Tree Permit from the City.	100.00	100.00	100.00	0.0%	N/A		
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%	N/A	N/A		
Total Departmental							**0**

City Of Ottawa
2018 Adopted Capital Budget
Environment and Climate Protection Committee-Tax
Capital Funding Summary
In Thousands ($000's)

Project Description	Revenues	Capital Reserve Fund	Gas Tax	Development Charges	Debt Funding	Grand Total
Environment						
Strategic Initiatives						
908869 Green Fleet	-	500	-	-	-	500
908894 2018 Natural Area Acquisitions (Rural)	-	140	-	-	200	340
909109 2018 Natural Area Acquisitions (Urban)	-	170	-	-	-	170
909115 Energy Mgmt & Invest. Strategy 2018	-	1,000	-	-	-	1,000
909151 Community Energy Intitiatives	-	500	-	-	-	500
Strategic Initiatives Total	**-**	**2,310**	**-**	**-**	**200**	**2,510**
Environment Total	**-**	**2,310**	**-**	**-**	**200**	**2,510**
Solid Waste						
Renewal of City Assets						
908013 Trail Road Scalehouse Rehabilitation	-	300	-	-	-	300
908685 Solid Waste Fleet Growth - Landfill	-	1,350	-	-	-	1,350
Renewal of City Assets Total	**-**	**1,650**	**-**	**-**	**-**	**1,650**
Regulatory						
907238 Landfill Disposal Stage 2 Capping	-	7,579	-	-	-	7,579
907353 Trail Rd Gas Collection System Expansion	-	500	-	-	-	500
907815 Trail Road Landfill - Exp & Development	-	250	-	-	-	250
907816 Groundwater Management	-	750	-	-	-	750
Regulatory Total	**-**	**9,079**	**-**	**-**	**-**	**9,079**
Solid Waste Total	**-**	**10,729**	**-**	**-**	**-**	**10,729**
Grand Total	**-**	**13,039**	**-**	**-**	**200**	**13,239**