

# INDEX

## INFRASTRUCTURE & OPERATIONS RATE SUPPORTED BUDGET

	<u>Page No.</u>
<u>Solid Waste</u>	
Operating	1-1 to 1-2
Capital	1-3 to 1-6
Capital Forecast	1-7 to 1-8

City of Thunder Bay  
BUDGET RECAP (\$000'S)

**Solid Waste**

**2017 BUDGET**

FINANCIAL RESOURCES	2016 FT FTE	2016 PT FTE	2017 FT FTE	2017 PT FTE	2016 Approved Budget	2016 Estimated Actuals	2017 Base	2017 Base vs 2016 % Increase	One Time	User Fee Increase	Reduction	Expansion	2017 Requested Budget	2017 vs 2016 \$ Change	2017 vs 2016 % Change
<b>Infrastructure &amp; Operations Rate Supported</b>															
Personnel Services	13.0	2.4	13.0	2.4	1,198.6	987.8	1,200.3	0.1%					1,200.3	1.7	0.1%
Purchased Services					1,984.8	1,925.5	2,007.3	1.1%					2,007.3	22.5	1.1%
Rents & Financial Expense					1,055.3	1,158.1	1,370.6	29.9%					1,370.6	315.3	29.9%
Materials					239.5	207.6	265.0	10.6%					265.0	25.5	10.6%
Gross Expenditures	13.0	2.4	13.0	2.4	4,478.2	4,279.0	4,843.2	8.2%					4,843.2	365.0	8.2%
Provincial Grants					(550.0)	(550.0)	(550.0)						(550.0)		
User Fees & Service Charges					(5,008.7)	(4,156.6)	(5,008.7)			(139.4)			(5,148.1)	(139.4)	2.8%
Sale of Publications, Equip					(9.0)	(0.7)	(9.0)						(9.0)		
Other Revenues					(68.1)			(100.0%)						68.1	(100.0%)
Revenues					(5,635.8)	(4,707.3)	(5,567.7)	(1.2%)		(139.4)			(5,707.1)	(71.3)	1.3%
Subtotal	<b>13.0</b>	<b>2.4</b>	<b>13.0</b>	<b>2.4</b>	<b>(1,157.6)</b>	<b>(428.3)</b>	<b>(724.5)</b>	<b>(37.4%)</b>		<b>(139.4)</b>			<b>(863.9)</b>	<b>293.7</b>	<b>(25.4%)</b>
Interfunctional Transfers					1,239.5	486.0	1,266.2	2.2%				13.3	1,279.5	40.0	3.2%
Transfers to Own Funds											(550.0)		(550.0)	(550.0)	
<b>Net Cost (Income)</b>	<b>13.0</b>	<b>2.4</b>	<b>13.0</b>	<b>2.4</b>	<b>81.9</b>	<b>57.7</b>	<b>541.7</b>	<b>561.4%</b>		<b>(139.4)</b>	<b>(550.0)</b>	<b>13.3</b>	<b>(134.4)</b>	<b>(216.3)</b>	<b>(264.1%)</b>

**Solid Waste**

**USER FEES**

Tipping fees have been increased by 3% in 2017 and are expected to generate \$139,400 in additional revenues.

**EXPANSION**

Increase cost allocation for project support from Central Support Division (tax supported). Gross and Net budget impact is \$13,300.

**REDUCTION**

A three year phased in approach to move diversion costs from the rate supported budget to the tax supported budget will result in a reduction of the amount available to transfer to the Solid Waste Reserve Fund. Net budget impact is a reduction of \$550,000.

---

	Net Change FT FTE	Net Change PT FTE	One Time Gross	One Time Net	Reduction Gross	Reduction Net	User Fees Gross	User Fees Net	Expansions Gross	Expansions Net
<b>Total Solid Waste</b>						(550.0)		(139.4)		13.3

---

**CITY OF THUNDER BAY  
CAPITAL DEPARTMENTAL SUMMARY 2017 - 2019  
Gross Expense and Funding (\$000's)**

	Pages	2017 Gross Expense	2017 Net From User Fees	2018 Gross Expense	2018 Net From User Fees	2019 Gross Expense	2019 Net From User Fees
Solid Waste	1-4 to 1-6	1,050.0	937.5	1,910.0	1,910.0	1,550.0	1,550.0
<b>Total Solid Waste</b>		<b>1,050.0</b>	<b>937.5</b>	<b>1,910.0</b>	<b>1,910.0</b>	<b>1,550.0</b>	<b>1,550.0</b>

**CITY OF THUNDER BAY  
CAPITAL DIVISIONAL SUMMARY 2017 - 2019  
Gross Expense and Funding by Category (\$000's)**

	Pages	2017 Gross Expense	2017 Net From User Fees	2018 Gross Expense	2018 Net From User Fees	2019 Gross Expense	2019 Net From User Fees
<b>Solid Waste</b>							
Landfill Site	1-5	400.0	287.5	1,910.0	1,910.0	1,010.0	1,010.0
Landfill Fleet	1-6	650.0	650.0	0.0	0.0	540.0	540.0
<b>Total Solid Waste</b>		<b>1,050.0</b>	<b>937.5</b>	<b>1,910.0</b>	<b>1,910.0</b>	<b>1,550.0</b>	<b>1,550.0</b>

**CITY OF THUNDER BAY**  
**Capital Project Detail Sheet**  
**2017 - 2019 Capital Budget Forecast**

<b>Project Name :</b>	Landfill Site	<b>Project ID :</b>	IOR-SOW-0001-LS-P
<b>Department :</b>	IOR Infrastructure & Operations - Rate	<b>Parent ID :</b>	IOR-SOW-0001-LS-P
<b>Division :</b>	Solid Waste	<b>Requested Year :</b>	2017
<b>Divisional Category :</b>	Landfill Site	<b>Completion Year :</b>	On Going
<b>Project Classification :</b>	Legislated		

**PROJECT DETAILS**

**Project Description and Justification**

Involves a program for the general landfill site development in order to maintain the landfill site to the proper environmental standards. Components of this program include upgrading the landfill site facility, leachate expansion and infrastructure improvements. Funding for site development projects is from the Landfill Reserve Fund or financing. It includes capital initiatives for the City's recycling and waste diversion programs and the solid waste strategy.

**Consequences of Not Funding**

Possible environmental problems, and possible control order by the Ministry of the Environment. It may have an impact on recycling recovery rates.

**PROJECT BUDGET**

	2017	2018	2019	3 Year Budget Plan
<b>Expenditures</b>				
IOR-SOW-0001-LS-001 L/FILL - Process Improvements	75,000	10,000	10,000	95,000
IOR-SOW-0001-LS-002 L/FILL - Infrastructure Improvements	100,000	100,000	100,000	300,000
IOR-SOW-0001-LS-005 Solid Waste Management Strategy Initiatives	75,000	75,000	75,000	225,000
IOR-SOW-0001-LS-008 L/FILL - Gas Expansion		100,000		100,000
IOR-SOW-0001-LS-003 L/FILL - Leachate Treatment Expansion		1,500,000		1,500,000
IOR-SOW-0001-LS-004 L/FILL - East Cell Expansion - Phase II		100,000	750,000	850,000
IOR-SOW-0001-LS-006 Solid Waste Management Strategy		25,000		25,000
IOR-SOW-0001-LS-007 Solid Waste Master Plan Review			75,000	75,000
IOR-SOW-0001-LS-009 Surface and Storm Water Management Studies	150,000			150,000
<b>Expenditures Total</b>	<b>400,000</b>	<b>1,910,000</b>	<b>1,010,000</b>	<b>3,320,000</b>
<b>Financing</b>				
Other - User Fees	287,500	1,910,000	1,010,000	3,207,500
Other - Other Revenue	112,500			112,500
<b>Financing Total</b>	<b>400,000</b>	<b>1,910,000</b>	<b>1,010,000</b>	<b>3,320,000</b>

**OPERATING IMPACT**

*No Operating Impact*

**CITY OF THUNDER BAY**  
**Capital Project Detail Sheet**  
**2017 - 2019 Capital Budget Forecast**

<b>Project Name :</b>	Landfill Fleet Replacement	<b>Project ID :</b> IOR-SOW-0002-LF-P
<b>Department :</b>	IOR Infrastructure & Operations - Rate	<b>Parent ID :</b> IOR-SOW-0002-LF-P
<b>Division :</b>	Solid Waste	<b>Requested Year :</b> 2017
<b>Divisional Category :</b>	Landfill Fleet	<b>Completion Year :</b> On Going
<b>Project Classification :</b>	Cyclical Asset Replacement	

**PROJECT DETAILS**

**Project Description and Justification**

Involves the replacement of existing equipment according to the Capital Budget Replacement Schedule and provides for new equipment within the areas under the jurisdiction of the Community Services Department. The replacement program is based on criteria which includes: quantitative cost analysis (life cycle costing), replacement policy, condition assessment (equipment appraisal, repair history and usage) and operational needs. The Solid Waste area includes the replacement of dozers, dump trucks, compactors, vehicles and equipment used in the operation of the landfill site.

**Consequences of Not Funding**

Increased maintenance costs on outdated equipment and possible operational inefficiencies.

**PROJECT BUDGET**

	2017	2018	2019	3 Year Budget Plan
<b>Expenditures</b>				
IOR-SOW-0002-LF-001 Bomag Compactor refurbishing or replacement	650,000			650,000
IOR-SOW-0002-LF-002 Vehicle and Equipment Replacement			540,000	540,000
<b>Expenditures Total</b>	<b>650,000</b>		<b>540,000</b>	<b>1,190,000</b>
<b>Financing</b>				
Other - User Fees	650,000		540,000	1,190,000
<b>Financing Total</b>	<b>650,000</b>		<b>540,000</b>	<b>1,190,000</b>

**OPERATING IMPACT**

*No Operating Impact*

**CITY OF THUNDER BAY  
CAPITAL FORECAST DEPARTMENTAL SUMMARY BY DIVISION  
Gross Expense (\$000's)**

	Pages	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
		Gross Expense	Gross Expense	Gross Expense	Gross Expense	Gross Expense	Gross Expense	Gross Expense	Gross Expense	Gross Expense	Gross Expense
Solid Waste	1-8	230.0	110.0	235.0	845.0	285.0	165.0	270.0	185.0	795.0	1,085.0
<b>Total Solid Waste</b>		230.0	110.0	235.0	845.0	285.0	165.0	270.0	185.0	795.0	1,085.0



**CITY OF THUNDER BAY  
CAPITAL FORECAST DIVISIONAL SUMMARY  
Gross Expense (\$000's)**

	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
	Gross	Gross	Gross	Gross	Gross	Gross	Gross	Gross	Gross	Gross
	Expense	Expense	Expense	Expense	Expense	Expense	Expense	Expense	Expense	Expense
<b>Solid Waste</b>										
Landfill Site	230.0	110.0	235.0	110.0	285.0	130.0	235.0	110.0	210.0	185.0
Landfill Fleet	0.0	0.0	0.0	735.0	0.0	35.0	35.0	75.0	585.0	900.0
<b>Total Solid Waste</b>	<b>230.0</b>	<b>110.0</b>	<b>235.0</b>	<b>845.0</b>	<b>285.0</b>	<b>165.0</b>	<b>270.0</b>	<b>185.0</b>	<b>795.0</b>	<b>1,085.0</b>