

**THE CITY OF THUNDER BAY  
2019 CAPITAL PROGRAM SUMMARY (\$000'S)**

		METHOD OF FINANCING						
Page Number	DEPARTMENT / DIVISION	GROSS TOTAL	REVENUE	DEBENTURE	RESERVE	SUBSIDY	FEES	OTHER
<b><u>Tax Supported</u></b>								
<b>General</b>								
1	Clean Green and Beautiful	250.0	0.0	0.0	250.0	0.0	0.0	0.0
		<b>250.0</b>	<b>0.0</b>	<b>0.0</b>	<b>250.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>
<b>City Manager's Office</b>								
2	City Manger's Office	400.0	0.0	0.0	400.0	0.0	0.0	0.0
2	Office of the City Clerk	397.0	397.0	0.0	0.0	0.0	0.0	0.0
2	Corporate Strategic Services	347.4	52.4	0.0	170.0	125.0	0.0	0.0
2	Human Resources & Corporate Safety	50.0	50.0	0.0	0.0	0.0	0.0	0.0
		<b>1,194.4</b>	<b>499.4</b>	<b>0.0</b>	<b>570.0</b>	<b>125.0</b>	<b>0.0</b>	<b>0.0</b>
<b>Development &amp; Emergency Services</b>								
3	Planning Services	153.6	0.0	0.0	153.6	0.0	0.0	0.0
3	Superior North EMS	769.6	0.0	0.0	769.6	0.0	0.0	0.0
3	Thunder Bay Fire Rescue	356.4	26.4	330.0	0.0	0.0	0.0	0.0
		<b>1,279.6</b>	<b>26.4</b>	<b>330.0</b>	<b>923.2</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>
<b>Community Services</b>								
4	General Manger's Office	5,000.0	0.0	0.0	4,000.0	0.0	0.0	1,000.0
4 - 5	Asset Management	7,950.3	2,939.3	2,451.0	200.0	710.0	0.0	1,650.0
6	Transit Services	835.0	255.0	0.0	0.0	580.0	0.0	0.0
6	Recreation & Culture	1,068.0	125.0	0.0	180.1	613.0	0.0	150.0
		<b>14,853.3</b>	<b>3,319.3</b>	<b>2,451.0</b>	<b>4,380.1</b>	<b>1,903.0</b>	<b>0.0</b>	<b>2,800.0</b>
<b>Corporate Services &amp; Long Term Care</b>								
7	Corporate Information Technology	611.6	0.0	0.0	611.6	0.0	0.0	0.0
7	Financial Services	682.0	0.0	610.0	20.0	52.0	0.0	0.0
7	Revenue	20.0	15.0	0.0	0.0	0.0	0.0	5.0
8	LT Care & Sr Services - Pioneer Ridge & Jasper Apts	1,169.5	657.2	0.0	0.0	0.0	0.0	512.3
		<b>2,483.1</b>	<b>672.2</b>	<b>610.0</b>	<b>631.6</b>	<b>52.0</b>	<b>0.0</b>	<b>517.3</b>
<b>Infrastructure &amp; Operations</b>								
9	Central Support	74.4	74.4	0.0	0.0	0.0	0.0	0.0
9	Environment	4,455.0	1,458.4	750.0	0.0	1,871.6	0.0	375.0
10	Engineering	2,345.0	845.0	0.0	0.0	1,500.0	0.0	0.0
10 - 14	Roads	20,516.8	2,648.7	2,668.4	0.0	9,199.7	0.0	6,000.0
15 - 16	Parks	3,054.0	2,365.6	475.0	39.0	174.4	0.0	0.0
		<b>30,445.2</b>	<b>7,392.1</b>	<b>3,893.4</b>	<b>39.0</b>	<b>12,745.7</b>	<b>0.0</b>	<b>6,375.0</b>

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Page Number	DEPARTMENT / DIVISION	GROSS TOTAL	REVENUE	DEBENTURE	RESERVE	SUBSIDY	FEES	OTHER
<b><u>Tax Supported</u></b>								
<b>Outside Boards &amp; Other Agencies</b>								
17	Thunder Bay Community Auditorium	128.6	128.6	0.0	0.0	0.0	0.0	0.0
17	Lakehead Conservation Authority	1,340.0	1,340.0	0.0	0.0	0.0	0.0	0.0
17	Thunder Bay Police Service	1,901.3	1,901.3	0.0	0.0	0.0	0.0	0.0
18	Parking Authority	740.5	0.0	0.0	0.0	0.0	740.5	0.0
18	Thunder Bay Public Library	701.5	701.5	0.0	0.0	0.0	0.0	0.0
18	Victoriaville Centre	90.0	90.0	0.0	0.0	0.0	0.0	0.0
		<b>4,901.9</b>	<b>4,161.4</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>740.5</b>	<b>0.0</b>
<b>TOTAL TAX SUPPORTED</b>		<b>55,407.5</b>	<b>16,070.8</b>	<b>7,284.4</b>	<b>6,793.9</b>	<b>14,825.7</b>	<b>740.5</b>	<b>9,692.3</b>
<b><u>Rate Supported</u></b>								
19	<b>Solid Waste</b>	1,455.0	1,455.0	0.0	0.0	0.0	0.0	0.0
20 - 21	<b>Wastewater</b>	7,918.6	7,918.6	0.0	0.0	0.0	0.0	0.0
22	<b>Prince Arthur's Landing &amp; Boaters Services</b>	60.0	0.0	0.0	0.0	0.0	60.0	0.0
23 - 25	<b>Waterworks</b>	11,821.2	10,021.2	0.0	0.0	0.0	0.0	1,800.0
<b>TOTAL RATE SUPPORTED</b>		<b>21,254.8</b>	<b>19,394.8</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>60.0</b>	<b>1,800.0</b>
<b>GRAND TOTAL</b>		<b>76,662.3</b>	<b>35,465.6</b>	<b>7,284.4</b>	<b>6,793.9</b>	<b>14,825.7</b>	<b>800.5</b>	<b>11,492.3</b>

**THE CITY OF THUNDER BAY  
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		METHOD OF FINANCING						
DESCRIPTION		GROSS TOTAL	REVENUE	DEBENTURE	RESERVE	SUBSIDY	FEES	OTHER
<b>General</b>								
<b>Clean Green and Beautiful</b>								
GEN-CGB-190001	Image Route Projects	150.0	0.0	0.0	150.0 *	0.0	0.0	0.0
GEN-CGB-190002	Tree Planting	50.0	0.0	0.0	50.0 *	0.0	0.0	0.0
GEN-CGB-190003	Accessible Intersections	10.0	0.0	0.0	10.0 *	0.0	0.0	0.0
GEN-CGB-190004	Awards & Public Awareness	20.0	0.0	0.0	20.0 *	0.0	0.0	0.0
GEN-CGB-190005	Anti-Litter Program	20.0	0.0	0.0	20.0 *	0.0	0.0	0.0
<b>Grand Total Clean Green and Beautiful</b>		<b>250.0</b>	<b>0.0</b>	<b>0.0</b>	<b>250.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>

\* Clean Green & Beautiful Reserve Fund \$250.0

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		METHOD OF FINANCING						
DESCRIPTION		GROSS TOTAL	REVENUE	DEBENTURE	RESERVE	SUBSIDY	FEES	OTHER
<b>City Manager's Office</b>								
CMO-CMO-190001	Cardiovascular Campaign Contribution	200.0	0.0	0.0	200.0	*	0.0	0.0
CMO-CMO-190002	Lakehead University-CASES Building	200.0	0.0	0.0	200.0	*	0.0	0.0
<b>Total City Manager's Office</b>		<b>400.0</b>	<b>0.0</b>	<b>0.0</b>	<b>400.0</b>		<b>0.0</b>	<b>0.0</b>
* Renew Thunder Bay Reserve Fund \$400.0								
<b>Office of the City Clerk</b>								
CMO-CLK-190001-01	Microfilm Reader/Printer Replacement	20.0	20.0	0.0	0.0		0.0	0.0
CMO-CLK-190002-01	AODA - Legislative Compliance	200.0	200.0	0.0	0.0		0.0	0.0
CMO-CLK-190003-01	Electronic Records Management System	177.0	177.0	0.0	0.0		0.0	0.0
<b>Total Office of the City Clerk</b>		<b>397.0</b>	<b>397.0</b>	<b>0.0</b>	<b>0.0</b>		<b>0.0</b>	<b>0.0</b>
<b>Corporate Strategic Services</b>								
CMO-CSS-190001-01	City Website Renewal	52.4	52.4	0.0	0.0		0.0	0.0
CMO-CSS-190002-01	Wayfinding Signs	175.0	0.0	0.0	50.0	**	125.0	****
CMO-CSS-190003-01	Consolidation of CEDC Offices	120.0	0.0	0.0	120.0	***	0.0	0.0
<b>Total Corporate Strategic Services</b>		<b>347.4</b>	<b>52.4</b>	<b>0.0</b>	<b>170.0</b>		<b>125.0</b>	<b>0.0</b>
** Municipal Accomodation Tax Reserve Fund \$50.0								
*** Stabilization Reserve Fund \$120.0								
**** Provincial Grant \$125.0								
<b>Human Resources &amp; Corporate Safety</b>								
CMO-HRS-190001	Safety Mangement System Program Software	35.0	35.0	0.0	0.0		0.0	0.0
CMO-HRS-190002	On-line Job Posting & Application Software	15.0	15.0	0.0	0.0		0.0	0.0
<b>Total Human Resources &amp; Corporate Safety</b>		<b>50.0</b>	<b>50.0</b>	<b>0.0</b>	<b>0.0</b>		<b>0.0</b>	<b>0.0</b>
<b>Grand Total City Manager's Office</b>		<b>1,194.4</b>	<b>499.4</b>	<b>0.0</b>	<b>570.0</b>		<b>125.0</b>	<b>0.0</b>

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DESCRIPTION	METHOD OF FINANCING						
	GROSS TOTAL	REVENUE	DEBENTURE	RESERVE	SUBSIDY	FEES	OTHER
<b>Development &amp; Emergency Services</b>							
<b>Planning Services</b>							
DEV-PLN-191102-01-01    Aerial Photography	153.6	0.0	0.0	153.6 *	0.0	0.0	0.0
<b>Total Planning Services</b>	<b>153.6</b>	<b>0.0</b>	<b>0.0</b>	<b>153.6</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>
* Digital Parcel Mapping Reserve Fund \$153.6							
<b>Superior North EMS</b>							
DEV-EMS-190001-01-01    EMS Vehicle Replacement	690.0	0.0	0.0	690.0 **	0.0	0.0	0.0
DEV-EMS-190002-01-01    Computer Equipment	79.6	0.0	0.0	79.6 **	0.0	0.0	0.0
<b>Total Superior North EMS</b>	<b>769.6</b>	<b>0.0</b>	<b>0.0</b>	<b>769.6</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>
** EMS Vehicle & Equipment Reserve Fund \$769.6							
<b>Thunder Bay Fire Rescue</b>							
DEV-FIR-190002-01-01    Personal Protective Equipment	26.4	26.4	0.0	0.0	0.0	0.0	0.0
DEV-FIR-190003-01-01    Fire Pumper	330.0	0.0	330.0	0.0	0.0	0.0	0.0
<b>Total Thunder Bay Fire Rescue</b>	<b>356.4</b>	<b>26.4</b>	<b>330.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>
 <b>Grand Total Development &amp; Emergency Services</b>	 <b>1,279.6</b>	 <b>26.4</b>	 <b>330.0</b>	 <b>923.2</b>	 <b>0.0</b>	 <b>0.0</b>	 <b>0.0</b>

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DESCRIPTION	GROSS TOTAL	METHOD OF FINANCING						
		REVENUE	DEBENTURE	RESERVE	SUBSIDY	FEES	OTHER	
<b>Community Services</b>								
<b>General Manager's Office</b>								
COM-GMO-190001	Indoor Turf Facility	5,000.0	0.0	0.0	4,000.0 *	0.0	0.0	1,000.0 **
		<b>5,000.0</b>	<b>0.0</b>	<b>0.0</b>	<b>4,000.0</b>	<b>0.0</b>	<b>0.0</b>	<b>1,000.0</b>

\* Indoor Turf Reserve Fund \$4,000.0

\*\* NOHFC Application \$1,000.0

**Community Services**

**Asset Management**

**Asset Renewal - Municipal and Board Facilities**

COM-AMT-190101-1	Corporate Buildings	325.0	325.0	0.0	0.0	0.0	0.0	0.0
COM-AMT-190101-2	Operational Facilities	363.2	363.2	0.0	0.0	0.0	0.0	0.0
COM-AMT-190101-3	Police Buildings	35.0	35.0	0.0	0.0	0.0	0.0	0.0
COM-AMT-190101-6	Arenas and Stadia	821.2	821.2	0.0	0.0	0.0	0.0	0.0
COM-AMT-190101-7	Aquatics & Canada Games Complex Facilities	17.0	17.0	0.0	0.0	0.0	0.0	0.0
COM-AMT-190101-8	Community Centre Facilities	95.0	95.0	0.0	0.0	0.0	0.0	0.0
COM-AMT-190101-13	Golf Facilities	55.0	55.0	0.0	0.0	0.0	0.0	0.0
COM-AMT-190101-15	Pioneer Ridge Facility	740.0	0.0	0.0	0.0	0.0	0.0	740.0 ****
COM-AMT-190102-1	Libraries	140.0	0.0	0.0	0.0	0.0	0.0	140.0 ****
COM-AMT-190103-1	Whalen Building Capital Upgrades	200.0	0.0	0.0	200.0 ***	0.0	0.0	0.0
COM-AMT-190118-1	Energy Audits	25.0	25.0	0.0	0.0	0.0	0.0	0.0
<b>Total Asset Renewal</b>		<b>2,816.4</b>	<b>1,736.4</b>	<b>0.0</b>	<b>200.0</b>	<b>0.0</b>	<b>0.0</b>	<b>880.0</b>

\*\*\* Whalen Building Reserve Fund \$200.0

\*\*\*\* Facilities Capital Recovery \$880.0

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		GROSS TOTAL	REVENUE	DEBENTURE	RESERVE	SUBSIDY	FEES	
<b>Community Services</b>								
<b>Asset Management</b>								
<b>Fleet Replacement</b>								
COM-AMT-190207-1	Fleet - I&O - Roads & Parks	2,767.9	396.9	2,371.0	0.0	0.0	0.0	0.0
COM-AMT-190207-2	Fleet - General Fleet	96.0	96.0	0.0	0.0	0.0	0.0	0.0
COM-AMT-190207-4	Fleet - Landfill	270.0	0.0	0.0	0.0	0.0	0.0	270.0 **
COM-AMT-190207-6	Fleet - Waterworks	500.0	0.0	0.0	0.0	0.0	0.0	500.0 **
COM-AMT-190207-7	Fleet - Transit	1,115.0	325.0	80.0	0.0	710.0 *	0.0	0.0
<b>Total Fleet Replacement</b>		<b>4,748.9</b>	<b>817.9</b>	<b>2,451.0</b>	<b>0.0</b>	<b>710.0</b>	<b>0.0</b>	<b>770.0</b>
* Provincial Gas Tax \$710.0								
** Fleet Capital Recovery \$770.0								
<b>Facility Services Capital</b>								
COM-AMT-190304-1	Arc Flash	25.0	25.0	0.0	0.0	0.0	0.0	0.0
COM-AMT-190304-2	Major Component Repair	125.0	125.0	0.0	0.0	0.0	0.0	0.0
COM-AMT-190304-3	Energy Efficiency	20.0	20.0	0.0	0.0	0.0	0.0	0.0
COM-AMT-190304-4	Environmental Assessments	45.0	45.0	0.0	0.0	0.0	0.0	0.0
COM-AMT-190304-5	Security Equipment	55.0	55.0	0.0	0.0	0.0	0.0	0.0
COM-AMT-190304-6	Canada Games Complex/Aquatics	115.0	115.0	0.0	0.0	0.0	0.0	0.0
<b>Total Facility Services Capital</b>		<b>385.0</b>	<b>385.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>
<b>Total Asset Management</b>		<b>7,950.3</b>	<b>2,939.3</b>	<b>2,451.0</b>	<b>200.0</b>	<b>710.0</b>	<b>0.0</b>	<b>1,650.0</b>

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<b>Community Services</b>								
<b>Transit Services</b>								
	<b>Transit Infrastructure - Terminals and Stops</b>							
COM-TRN-190001-1-T	Transit Hub	580.0	0.0	0.0	0.0	580.0 *	0.0	0.0
COM-TRN-190002-1-N	Bus Shelter Replacement	60.0	60.0	0.0	0.0	0.0	0.0	0.0
COM-TRN-190002-2-N	Accessible Stop Improvements	70.0	70.0	0.0	0.0	0.0	0.0	0.0
COM-TRN-190002-3-N	TMP Stop Realignment	125.0	125.0	0.0	0.0	0.0	0.0	0.0
<b>Total Transit Services</b>		<b>835.0</b>	<b>255.0</b>	<b>0.0</b>	<b>0.0</b>	<b>580.0</b>	<b>0.0</b>	<b>0.0</b>
* Provincial Gas Tax \$580.0								
<b>Recreation &amp; Culture</b>								
COM-REC-190001-1	Child Care Infrastructure & Equipment Renewal	20.0	20.0	0.0	0.0	0.0	0.0	0.0
COM-REC-190002-1	Aquatics Equipment Renewal	20.0	20.0	0.0	0.0	0.0	0.0	0.0
COM-REC-190003-1	55+ Infrastructure & Equipment Renewal	10.0	10.0	0.0	0.0	0.0	0.0	0.0
COM-REC-190004-1	Volunteer Pool Accessibility Improvements	943.0	0.0	0.0	180.1 **	613.0 ***	0.0	150.0 ****
COM-REC-190005-1	Fort William Gardens Rigging Deck Repair	56.2	56.2	0.0	0.0	0.0	0.0	0.0
COM-REC-190006-1	Online Ticketing Software	18.8	18.8	0.0	0.0	0.0	0.0	0.0
<b>Total Recreation &amp; Culture</b>		<b>1,068.0</b>	<b>125.0</b>	<b>0.0</b>	<b>180.1</b>	<b>613.0</b>	<b>0.0</b>	<b>150.0</b>
** Stabilization Reserve Fund \$180.1								
*** Federal Grant \$613.0								
**** Capital Carry-Forward \$150.0								
<b>Grand Total for Community Services</b>		<b>14,853.3</b>	<b>3,319.3</b>	<b>2,451.0</b>	<b>4,380.1</b>	<b>1,903.0</b>	<b>0.0</b>	<b>2,800.0</b>



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<b>Corporate Services &amp; Long Term Care</b>							
<b>Corporate Information Technology</b>							
CSL-CIT-190001 Lifecycle Maintenance of City's Computer Network	611.6	0.0	0.0	611.6 *	0.0	0.0	0.0
<b>Total Corporate Information Technology</b>	<b>611.6</b>	<b>0.0</b>	<b>0.0</b>	<b>611.6</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>
* CIT Capital Reserve Fund \$611.6							
<b>Financial Services</b>							
CSL-FIN-190001 Replacement of Fuel Tanks at the Mountdale Yard	630.0	0.0	610.0	20.0 **	0.0	0.0	0.0
CSL-FIN-190002 Asset Management Initiative	52.0	0.0	0.0	0.0	52.0 ***	0.0	0.0
<b>Total Financial Services</b>	<b>682.0</b>	<b>0.0</b>	<b>610.0</b>	<b>20.0</b>	<b>52.0</b>	<b>0.0</b>	<b>0.0</b>
** Fuel Farm Reserve Fund \$20.0 *** Federal Gas Tax Reserve Fund \$52.0							
<b>Revenue</b>							
CSL-REV-190001 Court Services Server	20.0	15.0	0.0	0.0	0.0	0.0	5.0 ****
<b>Total Revenue</b>	<b>20.0</b>	<b>15.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>5.0</b>
**** Expense Recovery \$5.0							

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<b>Corporate Services &amp; Long Term Care</b>							
<b>LT Care &amp; Senior Services - Pioneer Ridge &amp; Jasper Apartments</b>							
CSL-HOM-190001	Resident Lifts	115.0	115.0	0.0	0.0	0.0	0.0
CSL-HOM-190002	Electric Beds	25.0	25.0	0.0	0.0	0.0	0.0
CSL-HOM-190003	Environmental Equipment Replacement	10.0	10.0	0.0	0.0	0.0	0.0
CSL-HOM-190005	Facility Renewal	811.5	299.2	0.0	0.0	0.0	512.3 *
CSL-HOM-190006	Kitchen Equipment	95.0	95.0	0.0	0.0	0.0	0.0
CSL-HOM-190007	Technology Advancements	60.0	60.0	0.0	0.0	0.0	0.0
CSL-HOM-1900010	Laundry Equipment	20.0	20.0	0.0	0.0	0.0	0.0
CSL-HOM-1900011	Bathing Equipment	23.0	23.0	0.0	0.0	0.0	0.0
CSL-HOM-1900017	Resident Care Equipment	10.0	10.0	0.0	0.0	0.0	0.0
<b>Total LT Care &amp; Senior Services - Pioneer Ridge &amp; Jasper Apartments</b>		<b>1,169.5</b>	<b>657.2</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>512.3</b>
* Capital Carry-Forward \$512.3							
<b>Grand Total Corporate Services &amp; Long Term Care</b>		<b>2,483.1</b>	<b>672.2</b>	<b>610.0</b>	<b>631.6</b>	<b>52.0</b>	<b>517.3</b>

**THE CITY OF THUNDER BAY  
2019 CAPITAL PROGRAM DETAILS (\$000'S)**

		METHOD OF FINANCING						
DESCRIPTION		GROSS TOTAL	REVENUE	DEBENTURE	RESERVE	SUBSIDY	FEES	OTHER
<b>Infrastructure &amp; Operations</b>								
<b>Central Support</b>								
<b>Central Support</b>								
IOT-CEN-190001-CS-01	Equipment	56.4	56.4	0.0	0.0	0.0	0.0	0.0
IOT-CEN-190001-CS-02	Concessions Equipment	15.0	15.0	0.0	0.0	0.0	0.0	0.0
IOT-CEN-190001-CS-03	Hut/Base Renewal Program	3.0	3.0	0.0	0.0	0.0	0.0	0.0
<b>Total Central Support</b>		<b>74.4</b>	<b>74.4</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>
<b>Environment</b>								
<b>Storm Sewers</b>								
IOT-ENV-190001-ST-01	CCTV Storm Sewer Inspections	200.0	200.0	0.0	0.0	0.0	0.0	0.0
IOT-ENV-190001-ST-02	Trunk Ditching Rural Wards	130.0	130.0	0.0	0.0	0.0	0.0	0.0
IOT-ENV-190001-ST-03	Low Impact Development - Stormwater Facilities	100.0	0.0	100.0	0.0	0.0	0.0	0.0
IOT-ENV-190001-ST-04	Residential Drainage Assistance Program	125.0	125.0	0.0	0.0	0.0	0.0	0.0
IOT-ENV-190001-ST-05	Outfall Repairs	25.0	25.0	0.0	0.0	0.0	0.0	0.0
IOT-ENV-190001-ST-06	Local Drainage Improvements	50.0	50.0	0.0	0.0	0.0	0.0	0.0
IOT-ENV-190001-ST-07	Empress Ave Relief Sewer Phase 2	1,200.0	0.0	300.0	0.0	900.0	*	0.0
IOT-ENV-190001-ST-08	Unspecified Rehabilitation / Replacement	100.0	100.0	0.0	0.0	0.0	0.0	0.0
IOT-ENV-190001-ST-09	Storm Sewer Infrastructure - Intercity Priorities	400.0	0.0	100.0	0.0	300.0	**	0.0
IOT-ENV-190001-ST-10	Design & Permitting - Stormwater Facilities	1,500.0	828.4	0.0	0.0	671.6	**	0.0
IOT-ENV-190001-ST-11	James St - Riverview Dr to Victoria Ave	625.0	0.0	250.0	0.0	0.0	0.0	375.0
<b>Total Environment</b>		<b>4,455.0</b>	<b>1,458.4</b>	<b>750.0</b>	<b>0.0</b>	<b>1,871.6</b>	<b>0.0</b>	<b>375.0</b>

\* Ontario Community Infrastructure Fund \$900.0

\*\* Federal Gas Tax Reserve Fund \$971.6

\*\*\* Capital Carry-Forward \$375.0

**THE CITY OF THUNDER BAY  
2019 CAPITAL PROGRAM DETAILS (\$000'S)**

	DESCRIPTION	GROSS TOTAL	METHOD OF FINANCING					OTHER
			REVENUE	DEBENTURE	RESERVE	SUBSIDY	FEES	
<b>Infrastructure &amp; Operations</b>								
<b>Engineering</b>								
	<b>Professional Fees, Studies &amp; Misc.</b>							
IOT-ENG-190001-PF-01	Pre-Engineering Field Services	15.0	15.0	0.0	0.0	0.0	0.0	0.0
IOT-ENG-190001-PF-02	Property Acquisition & Legal	50.0	50.0	0.0	0.0	0.0	0.0	0.0
IOT-ENG-190001-PF-03	Engineering Traffic Studies	20.0	20.0	0.0	0.0	0.0	0.0	0.0
IOT-ENG-190001-PF-04	Active Transportation Plan Implementation	250.0	250.0	0.0	0.0	0.0	0.0	0.0
IOT-ENG-190001-PF-05	Roundabout Education	10.0	10.0	0.0	0.0	0.0	0.0	0.0
IOT-ENG-190001-PF-06	Storm Water Structures - Current River Watershed	2,000.0	500.0	0.0	0.0	1,500.0 *	0.0	0.0
<b>Total Engineering</b>		<b>2,345.0</b>	<b>845.0</b>	<b>0.0</b>	<b>0.0</b>	<b>1,500.0</b>	<b>0.0</b>	<b>0.0</b>
						* Federal Gas Tax Reserve Fund \$1,500.0		
<b>Roads</b>								
	<b>Bridges &amp; Culverts</b>							
IOT-RDS-190001-BR-01	Culvert Replacement Program	100.0	100.0	0.0	0.0	0.0	0.0	0.0
IOT-RDS-190001-BR-02	Boulevard Lake Dam	6,999.5	0.0	500.0	0.0	499.5 **	0.0	6,000.0 ***
<b>Total Bridges &amp; Culverts</b>		<b>7,099.5</b>	<b>100.0</b>	<b>500.0</b>	<b>0.0</b>	<b>499.5</b>	<b>0.0</b>	<b>6,000.0</b>
						** Federal Gas Tax Reserve Fund \$499.5		
						*** Disaster Mitigation & Adaptation Fund \$6,000.0		

**THE CITY OF THUNDER BAY  
2019 CAPITAL PROGRAM DETAILS (\$000'S)**

		METHOD OF FINANCING						
DESCRIPTION		GROSS TOTAL	REVENUE	DEBENTURE	RESERVE	SUBSIDY	FEES	OTHER
<b>Infrastructure &amp; Operations</b>								
<b>Roads</b>								
<b>Pavement Rehabilitation</b>								
IOT-RDS-190003-AR-01	Asphalt - Pavement Management	263.4	263.4	0.0	0.0	0.0	0.0	0.0
IOT-RDS-190003-AR-02	Reconstruct Guide Rails	114.6	114.6	0.0	0.0	0.0	0.0	0.0
IOT-RDS-190003-AR-03	Asphalt - Miscellaneous Patching	550.0	550.0	0.0	0.0	0.0	0.0	0.0
IOT-RDS-190003-AR-04	Asphalt - Surface Seal / Crack Seal	200.0	200.0	0.0	0.0	0.0	0.0	0.0
IOT-RDS-190003-AR-05	Rail Crossing Improvements	100.0	100.0	0.0	0.0	0.0	0.0	0.0
IOT-RDS-190003-AR-06	Enhanced Residential Road Work	500.0	0.0	190.0	0.0	310.0	*	0.0
IOT-RDS-190003-AR-07	Donald St - Vickers St to May St	705.0	0.0	115.0	0.0	590.0	*	0.0
IOT-RDS-190003-AR-08	West Riverdale Rd - Norkooli Hill	168.0	0.0	31.8	0.0	136.2	**	0.0
IOT-RDS-190003-AR-09	James St - Walsh St to Bailey Ave	615.0	0.0	65.0	0.0	550.0	*	0.0
IOT-RDS-190003-AR-10	Hinton Ave - Crescent Ave to Whalen St	300.0	0.0	40.0	0.0	260.0	*	0.0
IOT-RDS-190003-AR-11	Mary St - Edward St to Ford St	360.0	0.0	40.0	0.0	320.0	*	0.0
IOT-RDS-190003-AR-12	Edward St - Ward Ave to Churchill Dr	300.0	0.0	40.0	0.0	260.0	*/**	0.0
IOT-RDS-190003-AR-13	Franklin St - Arthur St to Walsh St	535.0	0.0	91.6	0.0	443.4	**	0.0
IOT-RDS-190003-AR-14	Dawson Rd - Strand Ave to Fassina St	500.0	0.0	50.0	0.0	450.0	*	0.0
IOT-RDS-190003-AR-15	Victoria Ave - Lillie St To Edward St	500.0	0.0	50.0	0.0	450.0	*	0.0
IOT-RDS-190003-AR-16	Chipseal Roads	225.0	45.0	0.0	0.0	180.0	*	0.0
<b>Total Pavement Rehabilitation</b>		<b>5,936.0</b>	<b>1,273.0</b>	<b>713.4</b>	<b>0.0</b>	<b>3,949.6</b>	<b>0.0</b>	<b>0.0</b>
* Ontario Community Infrastructure Fund \$3,210.0								
** Federal Gas Tax Reserve Fund \$739.6								
<b>Road Network Improvements</b>								
IOT-RDS-190004-RN-01	Golf Links / Junot Phase 3	3,700.0	0.0	320.0	0.0	3,380.0	***	0.0
IOT-RDS-190004-RN-02	Ontario Municipal Commuter Cycling Project	1,000.6	240.0	0.0	0.0	760.6	****	0.0
<b>Total Road Network Improvements</b>		<b>4,700.6</b>	<b>240.0</b>	<b>320.0</b>	<b>0.0</b>	<b>4,140.6</b>	<b>0.0</b>	<b>0.0</b>
*** Ontario Community Infrastructure Fund \$1,255.0								
*** Federal Gas Tax Reserve Fund \$2,125.0								
**** Municipal Cycling Grant \$760.6								

**THE CITY OF THUNDER BAY  
2019 CAPITAL PROGRAM DETAILS (\$000'S)**

		METHOD OF FINANCING						
DESCRIPTION		GROSS TOTAL	REVENUE	DEBENTURE	RESERVE	SUBSIDY	FEES	OTHER
<b>Infrastructure &amp; Operations</b>								
<b>Roads</b>								
<b>Rural Roads</b>								
IOT-RDS-190005-RU-01	Rural Roads Granular Upgrades	125.0	125.0	0.0	0.0	0.0	0.0	0.0
<b>Total Rural Roads</b>		<b>125.0</b>	<b>125.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>
<b>Sidewalk Replacements</b>								
IOT-RDS-190006-SR-01	Sidewalk Rehab Alternatives	100.0	100.0	0.0	0.0	0.0	0.0	0.0
IOT-RDS-190006-SR-02	Accessibility Ramp - North	35.0	35.0	0.0	0.0	0.0	0.0	0.0
IOT-RDS-190006-SR-03	Accessibility Ramp - South	35.0	35.0	0.0	0.0	0.0	0.0	0.0
IOT-RDS-190006-SR-04	Hollow Sidewalk Replacement	400.0	155.7	244.3	0.0	0.0	0.0	0.0
IOT-RDS-190006-SR-05	Brown St - E/S Walsh St to Caroline St	76.0	0.0	21.0	0.0	55.0 *	0.0	0.0
IOT-RDS-190006-SR-06	Crawford St - W/S Francis St to Frederica St	67.5	0.0	17.5	0.0	50.0 *	0.0	0.0
IOT-RDS-190006-SR-07	Van Horne St - S/S Court to Cumberland	70.0	0.0	20.0	0.0	50.0 *	0.0	0.0
IOT-RDS-190006-SR-08	Southern Ave - N/S Brodie St to Syndicate Ave	30.2	0.0	30.2	0.0	0.0	0.0	0.0
IOT-RDS-190006-SR-09	Syndicate Ave North - Southern Ave to Dease St	100.0	0.0	20.0	0.0	80.0 *	0.0	0.0
<b>Total Sidewalk Replacements</b>		<b>913.7</b>	<b>325.7</b>	<b>353.0</b>	<b>0.0</b>	<b>235.0</b>	<b>0.0</b>	<b>0.0</b>

\* Federal Gas Tax Reserve Fund \$235.0

**THE CITY OF THUNDER BAY  
2019 CAPITAL PROGRAM DETAILS (\$000'S)**

	DESCRIPTION	GROSS TOTAL	METHOD OF FINANCING				
			REVENUE	DEBENTURE	RESERVE	SUBSIDY	FEES
<b>Infrastructure &amp; Operations</b>							
<b>Roads</b>							
	<b>Traffic Signals</b>						
IOT-RDS-190007-TS-01	Controller Upgrading Program	80.0	80.0	0.0	0.0	0.0	0.0
IOT-RDS-190007-TS-02	Detection Program	80.0	80.0	0.0	0.0	0.0	0.0
IOT-RDS-190007-TS-03	Audible Pedestrian Signals	25.0	0.0	25.0	0.0	0.0	0.0
IOT-RDS-190007-TS-04	Signal Upgrading Program	20.0	20.0	0.0	0.0	0.0	0.0
IOT-RDS-190007-TS-05	Pedestrian Crossovers	150.0	0.0	150.0	0.0	0.0	0.0
IOT-RDS-190007-TS-06	Donald St and Syndicate Ave	200.0	0.0	200.0	0.0	0.0	0.0
IOT-RDS-190007-TS-07	Traffic Calming	60.0	60.0	0.0	0.0	0.0	0.0
	<b>Total Traffic Signals</b>	<b>615.0</b>	<b>240.0</b>	<b>375.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>
	<b>Sidewalks - New</b>						
IOT-RDS-190008-SN-01	Windsor St - N/S Junot St to Blucher Ave	54.0	0.0	54.0	0.0	0.0	0.0
IOT-RDS-190008-SN-02	Hillcrest Park Pedestrian Crossover	25.0	0.0	25.0	0.0	0.0	0.0
IOT-RDS-190008-SN-03	John St Rd - N/S Woodcrest Rd to Sunflower St	18.0	0.0	18.0	0.0	0.0	0.0
	<b>Total Sidewalks - New</b>	<b>97.0</b>	<b>0.0</b>	<b>97.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>

**THE CITY OF THUNDER BAY  
2019 CAPITAL PROGRAM DETAILS (\$000'S)**

	DESCRIPTION	METHOD OF FINANCING					
		GROSS TOTAL	REVENUE	DEBENTURE	RESERVE	SUBSIDY	FEES
<b>Infrastructure &amp; Operations</b>							
<b>Roads</b>							
	<b>Street Lighting</b>						
IOT-RDS-190010-SL-01	Underground Upgrade Program	40.0	40.0	0.0	0.0	0.0	0.0
IOT-RDS-190010-SL-02	System Upgrading Program	180.0	180.0	0.0	0.0	0.0	0.0
IOT-RDS-190010-SL-03	Pole Replacement Program	60.0	60.0	0.0	0.0	0.0	0.0
IOT-RDS-190010-SL-04	LED Arterial, Collector & Street Light Retrofit	500.0	0.0	250.0	0.0	250.0 *	0.0
IOT-RDS-190010-SL-05	Underground Duct Replacement	40.0	40.0	0.0	0.0	0.0	0.0
IOT-RDS-190010-SL-06	Donald St - Brodie St To McKellar St	85.0	0.0	15.0	0.0	70.0 **	0.0
IOT-RDS-190010-SL-07	Edward St - Ward Ave To Churchill Dr	70.0	0.0	15.0	0.0	55.0 **	0.0
IOT-RDS-190010-SL-08	Synergy North Permitting Costs	5.0	5.0	0.0	0.0	0.0	0.0
IOT-RDS-190010-SL-09	Fault Repairs	20.0	20.0	0.0	0.0	0.0	0.0
IOT-RDS-190010-SL-10	Victoria Ave / Ford St Roundabout	30.0	0.0	30.0	0.0	0.0	0.0
	<b>Total Street Lighting</b>	<b>1,030.0</b>	<b>345.0</b>	<b>310.0</b>	<b>0.0</b>	<b>375.0</b>	<b>0.0</b>
						* Federal Gas Tax Reserve Fund \$250.0	
						** Ontario Community Infrastructure Fund \$125.0	
<b>Total Roads</b>		<b>20,516.8</b>	<b>2,648.7</b>	<b>2,668.4</b>	<b>0.0</b>	<b>9,199.7</b>	<b>6,000.0</b>



**THE CITY OF THUNDER BAY  
2019 CAPITAL PROGRAM DETAILS (\$000'S)**

		METHOD OF FINANCING						
DESCRIPTION		GROSS TOTAL	REVENUE	DEBENTURE	RESERVE	SUBSIDY	FEES	OTHER
<b>Infrastructure &amp; Operations</b>								
<b>Parks</b>								
<b>Parks Renewal Program</b>								
IOT-PKS-190001-GP-01	Lighting and Electrical Upgrading	156.0	156.0	0.0	0.0	0.0	0.0	0.0
IOT-PKS-190001-GP-02	Neighbourhood Parks - Upgrade & Maintenance	145.9	145.9	0.0	0.0	0.0	0.0	0.0
IOT-PKS-190001-GP-03	Amusement Ride Testing & Maintenance	40.0	40.0	0.0	0.0	0.0	0.0	0.0
IOT-PKS-190001-GP-04	Playground Equipment & Structures	200.0	50.0	0.0	0.0	150.0	*	0.0
IOT-PKS-190001-GP-05	Historical Artifact Maintenance	50.0	50.0	0.0	0.0	0.0	0.0	0.0
IOT-PKS-190001-GP-06	Major Infrastructure Renewal	226.2	226.2	0.0	0.0	0.0	0.0	0.0
IOT-PKS-190001-GP-07	Parking Lot Replacement & Repairs	200.0	200.0	0.0	0.0	0.0	0.0	0.0
IOT-PKS-190001-GP-08	Spray Pads	475.0	0.0	475.0	0.0	0.0	0.0	0.0
<b>Total Parks Renewal Program</b>		<b>1,493.1</b>	<b>868.1</b>	<b>475.0</b>	<b>0.0</b>	<b>150.0</b>	<b>0.0</b>	<b>0.0</b>
* Federal Gas Tax Reserve Fund \$150.0								
<b>Sport Field Renewal</b>								
IOT-PKS-190002-AS-01	Baseball Diamonds	62.9	62.9	0.0	0.0	0.0	0.0	0.0
IOT-PKS-190002-AS-02	Tennis Courts	25.0	25.0	0.0	0.0	0.0	0.0	0.0
IOT-PKS-190002-AS-03	Soccer Fields	40.0	15.6	0.0	0.0	24.4	**	0.0
IOT-PKS-190002-AS-04	Bleacher Seats & Bench Replacement	20.0	20.0	0.0	0.0	0.0	0.0	0.0
<b>Total Sport Field Renewal</b>		<b>147.9</b>	<b>123.5</b>	<b>0.0</b>	<b>0.0</b>	<b>24.4</b>	<b>0.0</b>	<b>0.0</b>
** Federal Gas Tax Reserve Fund \$24.4								

**THE CITY OF THUNDER BAY  
2019 CAPITAL PROGRAM DETAILS (\$000'S)**

		METHOD OF FINANCING						
DESCRIPTION		GROSS TOTAL	REVENUE	DEBENTURE	RESERVE	SUBSIDY	FEES	OTHER
<b>Infrastructure &amp; Operations</b>								
<b>Parks</b>								
<b>Recreation Trails</b>								
IOT-PKS-190003-RT-01	Upgrade and Replace Trails	189.0	189.0	0.0	0.0	0.0	0.0	0.0
IOT-PKS-190003-RT-02	New Trail Construction	39.0	0.0	0.0	39.0 *	0.0	0.0	0.0
<b>Total Recreation Trails</b>		<b>228.0</b>	<b>189.0</b>	<b>0.0</b>	<b>39.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>
* Recreation Trail Reserve Fund \$39.0								
<b>Maintenance Equipment - Parks</b>								
IOT-PKS-190004-ME-01	Small Equipment	130.0	130.0	0.0	0.0	0.0	0.0	0.0
<b>Total Maintenance Equipment - Parks</b>		<b>130.0</b>	<b>130.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>
<b>Urban Forest Program</b>								
IOT-PKS-190005-UF-01	Tree Planting Program	120.0	120.0	0.0	0.0	0.0	0.0	0.0
IOT-PKS-190005-UF-02	Urban Forest Stewardship	110.0	110.0	0.0	0.0	0.0	0.0	0.0
IOT-PKS-190005-UF-04	Emerald Ash Borer Response	700.0	700.0	0.0	0.0	0.0	0.0	0.0
<b>Total Urban Forest Program</b>		<b>930.0</b>	<b>930.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>
<b>Golf Course Asset Renewal</b>								
IOT-PKS-190006-GO-01	Equipment Replacement and Renewal	95.0	95.0	0.0	0.0	0.0	0.0	0.0
IOT-PKS-190006-GO-02	Grounds Rehabilitation Program	30.0	30.0	0.0	0.0	0.0	0.0	0.0
<b>Total Golf Course Asset Renewal</b>		<b>125.0</b>	<b>125.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>
<b>Total Parks</b>		<b>3,054.0</b>	<b>2,365.6</b>	<b>475.0</b>	<b>39.0</b>	<b>174.4</b>	<b>0.0</b>	<b>0.0</b>
<b>Grand Total Infrastructure &amp; Operations</b>		<b>30,445.2</b>	<b>7,392.1</b>	<b>3,893.4</b>	<b>39.0</b>	<b>12,745.7</b>	<b>0.0</b>	<b>6,375.0</b>

**THE CITY OF THUNDER BAY  
2019 CAPITAL PROGRAM DETAILS (\$000'S)**

		METHOD OF FINANCING						
DESCRIPTION		GROSS TOTAL	REVENUE	DEBENTURE	RESERVE	SUBSIDY	FEES	OTHER
<b>Outside Boards &amp; Other Agencies</b>								
<b>Thunder Bay Community Auditorium</b>								
OSB-AUD-190001	Monitor Console Replacement	85.0	85.0	0.0	0.0	0.0	0.0	0.0
OSB-AUD-190002	Presentation Screen Replacement	15.0	15.0	0.0	0.0	0.0	0.0	0.0
OSB-AUD-190003	Passenger Elevator Door Controller	28.6	28.6	0.0	0.0	0.0	0.0	0.0
<b>Total Thunder Bay Community Auditorium</b>		<b>128.6</b>	<b>128.6</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>
<b>Lakehead Conservation Authority</b>								
OSB-LCA-190001	Lakehead Region Conservation Authority	1,340.0	1,340.0	0.0	0.0	0.0	0.0	0.0
<b>Total Lakehead Conservation Authority</b>		<b>1,340.0</b>	<b>1,340.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>
<b>Thunder Bay Police Service</b>								
OSB-POL-190001	Armoury	5.0	5.0	0.0	0.0	0.0	0.0	0.0
OSB-POL-190002	Soft Body Armour	50.0	50.0	0.0	0.0	0.0	0.0	0.0
OSB-POL-190003	Cyber Crime Server	38.7	38.7	0.0	0.0	0.0	0.0	0.0
OSB-POL-190004	Compartmental Prisoner Transport	158.0	158.0	0.0	0.0	0.0	0.0	0.0
OSB-POL-190005	Furniture Replacement	25.8	25.8	0.0	0.0	0.0	0.0	0.0
OSB-POL-190006	Investigative Equipment	8.6	8.6	0.0	0.0	0.0	0.0	0.0
OSB-POL-190007	Intercept Room Upgrade	169.6	169.6	0.0	0.0	0.0	0.0	0.0
OSB-POL-190008	Emergency Task Unit Equipment	50.0	50.0	0.0	0.0	0.0	0.0	0.0
OSB-POL-190009	Computer System Maintenance & Procurement	371.1	371.1	0.0	0.0	0.0	0.0	0.0
OSB-POL-190010	Police Vehicle Replacement	415.6	415.6	0.0	0.0	0.0	0.0	0.0
OSB-POL-190011	Building Needs Assessment	175.0	175.0	0.0	0.0	0.0	0.0	0.0
OSB-POL-190012	Cameras - Vehicle & Body Worn	433.9	433.9	0.0	0.0	0.0	0.0	0.0
<b>Total Thunder Bay Police Service</b>		<b>1,901.3</b>	<b>1,901.3</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>

**THE CITY OF THUNDER BAY  
2019 CAPITAL PROGRAM DETAILS (\$000'S)**

		METHOD OF FINANCING						
DESCRIPTION		GROSS TOTAL	REVENUE	DEBENTURE	RESERVE	SUBSIDY	FEES	OTHER
<b>Outside Boards &amp; Other Agencies</b>								
<b>Parking Authority</b>								
OSB-PKG-190001	Parking Meters	20.0	0.0	0.0	0.0	0.0	20.0 *	0.0
OSB-PKG-190002	Waterfront District Parkade	250.0	0.0	0.0	0.0	0.0	250.0 *	0.0
OSB-PKG-190003	Victoria Parkade Repairs	385.5	0.0	0.0	0.0	0.0	385.5 *	0.0
OSB-PKG-190004	Victoriaville Parkade Condition Survey	50.0	0.0	0.0	0.0	0.0	50.0 *	0.0
OSB-PKG-190005	Brodie & Arthur Lot Asphalt Replacement	35.0	0.0	0.0	0.0	0.0	35.0 *	0.0
<b>Total Parking Authority</b>		<b>740.5</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>740.5</b>	<b>0.0</b>
* Parking Internal Debenture \$740.5								
<b>Thunder Bay Public Library</b>								
OSB-LIB-190001	Thunder Bay Public Library	701.5	701.5	0.0	0.0	0.0	0.0	0.0
<b>Total Thunder Bay Public Library</b>		<b>701.5</b>	<b>701.5</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>
<b>Victoriaville Centre</b>								
OSB-VIC-190001	Lighting Upgrades	40.0	40.0	0.0	0.0	0.0	0.0	0.0
OSB-VIC-190002	HVAC Replacement	20.0	20.0	0.0	0.0	0.0	0.0	0.0
OSB-VIC-190003	Exterior Renovations	30.0	30.0	0.0	0.0	0.0	0.0	0.0
<b>Total Victoriaville Centre</b>		<b>90.0</b>	<b>90.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>
<b>Total Outside Boards &amp; Other Agencies</b>		<b>4,901.9</b>	<b>4,161.4</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>740.5</b>	<b>0.0</b>
<b>TOTAL TAX SUPPORTED</b>		<b>55,407.5</b>	<b>16,070.8</b>	<b>7,284.4</b>	<b>6,793.9</b>	<b>14,825.7</b>	<b>740.5</b>	<b>9,692.3</b>

**THE CITY OF THUNDER BAY  
2019 CAPITAL PROGRAM DETAILS (\$000'S)**

	DESCRIPTION	METHOD OF FINANCING					
		GROSS TOTAL	REVENUE	DEBENTURE	RESERVE	SUBSIDY	FEES
<b>Infrastructure &amp; Operations</b>							
<b>Solid Waste</b>							
	<b>Landfill Site</b>						
IOR-SOW-190001-LS-01	Process Improvements	10.0	10.0	0.0	0.0	0.0	0.0
IOR-SOW-190001-LS-02	Solid Waste Management Strategy Initiatives	75.0	75.0	0.0	0.0	0.0	0.0
IOR-SOW-190001-LS-03	Landfill - Infrastructure Improvements	100.0	100.0	0.0	0.0	0.0	0.0
IOR-SOW-190001-LS-04	East Cell Expansion - Phase II	900.0	900.0	0.0	0.0	0.0	0.0
IOR-SOW-190001-LS-05	Gas Expansion	100.0	100.0	0.0	0.0	0.0	0.0
IOR-SOW-190002-LF-01	Vehicle and Equipment Replacement	270.0	270.0	0.0	0.0	0.0	0.0
	<b>Total Landfill Site</b>	<b>1,455.0</b>	<b>1,455.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>
	<b>Total Solid Waste</b>	<b>1,455.0</b>	<b>1,455.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>

**THE CITY OF THUNDER BAY  
2019 CAPITAL PROGRAM DETAILS (\$000'S)**

		METHOD OF FINANCING					
DESCRIPTION	GROSS TOTAL	REVENUE	DEBENTURE	RESERVE	SUBSIDY	FEES	OTHER
<b>Infrastructure &amp; Operations</b>							
<b>Wastewater</b>							
<b>Sanitary Sewage System: Network Expansion, Subdivision Oversizing</b>							
IOR-SAN-190001-NE-01	Subdivision Oversizing	50.0	50.0	0.0	0.0	0.0	0.0
IOR-SAN-190001-NE-02	Burwood Trunk Expansion	665.0	665.0	0.0	0.0	0.0	0.0
<b>Total Sanitary Sewage System: Network Expansion, Subdivision Oversizing</b>		<b>715.0</b>	<b>715.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>
<b>Innovations, Programs &amp; Technological Upgrades</b>							
IOR-SAN-190002-NI-01	Wastewater Innovations Program	50.0	50.0	0.0	0.0	0.0	0.0
IOR-SAN-190002-NI-02	Plant and Program Technology	40.0	40.0	0.0	0.0	0.0	0.0
<b>Total Innovations, Programs &amp; Technological Upgrades</b>		<b>90.0</b>	<b>90.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>
<b>Sanitary Sewer System - Sanitary Sewer Rehabilitation</b>							
IOR-SAN-190004-SA-01	Sanitary Sewer Unspecified	461.0	461.0	0.0	0.0	0.0	0.0
IOR-SAN-190004-SA-02	Sanitary Sewer Inspection	1,000.0	1,000.0	0.0	0.0	0.0	0.0
IOR-SAN-190004-SA-03	Sanitary Service Lining	275.0	275.0	0.0	0.0	0.0	0.0
IOR-SAN-190004-SA-04	Donald St - Vickers St to Syndicate Ave	265.0	265.0	0.0	0.0	0.0	0.0
IOR-SAN-190004-SA-05	Mary St - Edward St to Ford St	300.0	300.0	0.0	0.0	0.0	0.0
IOR-SAN-190004-SA-06	Junot Avenue - Local Improvements	100.0	100.0	0.0	0.0	0.0	0.0
IOR-SAN-190004-SA-07	Marion St - Dewe Ave to Current Ave	150.0	150.0	0.0	0.0	0.0	0.0
IOR-SAN-190004-SA-08	Syndicate Ave - Leith St to Outfall	400.0	400.0	0.0	0.0	0.0	0.0
<b>Total Sanitary Sewer System - Sanitary Sewer Rehabilitation</b>		<b>2,951.0</b>	<b>2,951.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>

**THE CITY OF THUNDER BAY  
2019 CAPITAL PROGRAM DETAILS (\$000'S)**

		METHOD OF FINANCING						
	DESCRIPTION	GROSS TOTAL	REVENUE	DEBENTURE	RESERVE	SUBSIDY	FEES	OTHER
<b>Infrastructure &amp; Operations</b>								
<b>Wastewater</b>								
<b>Water Pollution Control Plant</b>								
IOR-SAN-190005-WP-01	Atlantic Ave - Building & Grounds	584.0	584.0	0.0	0.0	0.0	0.0	0.0
IOR-SAN-190005-WP-02	Atlantic Ave - Electrical	156.5	156.5	0.0	0.0	0.0	0.0	0.0
IOR-SAN-190005-WP-03	Atlantic Ave - HVAC	45.0	45.0	0.0	0.0	0.0	0.0	0.0
IOR-SAN-190005-WP-04	Atlantic Ave - Instrumentation	158.3	158.3	0.0	0.0	0.0	0.0	0.0
IOR-SAN-190005-WP-05	Atlantic Ave - Process	908.8	908.8	0.0	0.0	0.0	0.0	0.0
IOR-SAN-190005-WP-06	Atlantic Ave - Professional Fees	75.0	75.0	0.0	0.0	0.0	0.0	0.0
IOR-SAN-190005-WP-07	Atlantic Ave - Unplanned Repairs	200.0	200.0	0.0	0.0	0.0	0.0	0.0
IOR-SAN-190005-WP-08	Sewage Pumping Stations - All Groups	40.0	40.0	0.0	0.0	0.0	0.0	0.0
<b>Total Water Pollution Control Plant</b>		<b>2,167.6</b>	<b>2,167.6</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>
<b>Pollution Prevention Control Plan</b>								
IOR-SAN-190006-PP-01	Storm Separation	300.0	300.0	0.0	0.0	0.0	0.0	0.0
IOR-SAN-190006-PP-02	Pacific Ave - Simpson St to Spring St	130.0	130.0	0.0	0.0	0.0	0.0	0.0
IOR-SAN-190006-PP-03	Donald St - Waterloo St to Sills St	265.0	265.0	0.0	0.0	0.0	0.0	0.0
IOR-SAN-190006-PP-04	Syndicate Ave /Pruden St / Finlayson St	1,100.0	1,100.0	0.0	0.0	0.0	0.0	0.0
<b>Total Pollution Prevention Control Plan</b>		<b>1,795.0</b>	<b>1,795.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>
<b>Professional Fees, Studies &amp; Miscellaneous</b>								
IOR-SAN-190008-PS-01	Pre-Engineering Design for Field Staff	150.0	150.0	0.0	0.0	0.0	0.0	0.0
IOR-SAN-190008-PS-02	Professional Fees for Studies	50.0	50.0	0.0	0.0	0.0	0.0	0.0
<b>Total Professional Fees, Studies &amp; Miscellaneous</b>		<b>200.0</b>	<b>200.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>
<b>Total Wastewater</b>		<b>7,918.6</b>	<b>7,918.6</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>

**THE CITY OF THUNDER BAY  
2019 CAPITAL PROGRAM DETAILS (\$000'S)**

DESCRIPTION	METHOD OF FINANCING						
	GROSS TOTAL	REVENUE	DEBENTURE	RESERVE	SUBSIDY	FEES	OTHER
<b>Infrastructure &amp; Operations</b>							
<b>Prince Arthur's Landing - Boaters Services</b>							
<b>Boater Services - Infrastructure Maintenance</b>							
IOR-PAL-190001-WF-01 Capital Maintenance	60.0	0.0	0.0	0.0	0.0	60.0	0.0
<b>Total Prince Arthur's Landing - Boaters Services</b>	<b>60.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>60.0</b>	<b>0.0</b>



**THE CITY OF THUNDER BAY  
2019 CAPITAL PROGRAM DETAILS (\$000'S)**

DESCRIPTION	GROSS TOTAL	METHOD OF FINANCING						
		REVENUE	DEBENTURE	RESERVE	SUBSIDY	FEES	OTHER	
<b>Infrastructure &amp; Operations</b>								
<b>Waterworks</b>								
<b>Capital Works: Treatment Plants, Pump Stations, Reservoirs &amp; Structures</b>								
IOR-WAW-190001-TP-01	Bare Point - Professional Fees	200.0	200.0	0.0	0.0	0.0	0.0	0.0
IOR-WAW-190001-TP-02	Bare Point - Unplanned Repairs	231.2	231.2	0.0	0.0	0.0	0.0	0.0
IOR-WAW-190001-TP-03	Bare Point - Electrical Upgrades	40.0	40.0	0.0	0.0	0.0	0.0	0.0
IOR-WAW-190001-TP-04	Bare Point - HVAC	20.0	20.0	0.0	0.0	0.0	0.0	0.0
IOR-WAW-190001-TP-05	Bare Point - Instrumentation	45.0	45.0	0.0	0.0	0.0	0.0	0.0
IOR-WAW-190001-TP-06	Bare Point - Process	1,355.0	1,355.0	0.0	0.0	0.0	0.0	0.0
IOR-WAW-190001-TP-07	Stations & Reservoirs - Buildings	35.0	35.0	0.0	0.0	0.0	0.0	0.0
IOR-WAW-190001-TP-08	Stations & Reservoirs - Electrical	10.0	10.0	0.0	0.0	0.0	0.0	0.0
IOR-WAW-190001-TP-09	Stations & Reservoirs - Process	36.0	36.0	0.0	0.0	0.0	0.0	0.0
<b>Total Capital Works: Treatment Plants, Pump Stations, Reservoirs &amp; Structures</b>		<b>1,972.2</b>	<b>1,972.2</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>
<b>Innovations, Programs &amp; Technological Upgrades</b>								
IOR-WAW-190002-NI-01	Water Use Innovation Program	200.0	200.0	0.0	0.0	0.0	0.0	0.0
IOR-WAW-190002-NI-02	Large Water Meter Replacement Program	250.0	250.0	0.0	0.0	0.0	0.0	0.0
IOR-WAW-190002-NI-03	Program Technology & Equipment	20.0	20.0	0.0	0.0	0.0	0.0	0.0
<b>Total Innovations, Programs &amp; Technological Upgrades</b>		<b>470.0</b>	<b>470.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>
<b>Waterworks Fleet Replacement</b>								
IOR-WAW-190003-FW-01	Equipment Replacement and Refurbishing	500.0	500.0	0.0	0.0	0.0	0.0	0.0
<b>Total Waterworks Fleet Replacement</b>		<b>500.0</b>	<b>500.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>

**THE CITY OF THUNDER BAY  
2019 CAPITAL PROGRAM DETAILS (\$000'S)**

		METHOD OF FINANCING						
DESCRIPTION		GROSS TOTAL	REVENUE	DEBENTURE	RESERVE	SUBSIDY	FEES	OTHER
<b>Infrastructure &amp; Operations</b>								
<b>Waterworks</b>								
<b>Watermain Replacement &amp; Rehabilitation</b>								
IOR-WAW-190004-WR-01	Cathodic Protection	150.0	150.0	0.0	0.0	0.0	0.0	0.0
IOR-WAW-190004-WR-02	Kerr Hydrant Replacement	200.0	200.0	0.0	0.0	0.0	0.0	0.0
IOR-WAW-190004-WR-03	Unspecified Looping Program	150.0	150.0	0.0	0.0	0.0	0.0	0.0
IOR-WAW-190004-WR-04	Cleaning and Cement Mortar Lining	1,800.0	1,800.0	0.0	0.0	0.0	0.0	0.0
IOR-WAW-190004-WR-05	Lead Service Replacement Program	250.0	250.0	0.0	0.0	0.0	0.0	0.0
IOR-WAW-190004-WR-06	Valve Chambers Program	250.0	250.0	0.0	0.0	0.0	0.0	0.0
IOR-WAW-190004-WR-07	Utility Cut Restoration	100.0	100.0	0.0	0.0	0.0	0.0	0.0
IOR-WAW-190004-WR-08	Unspecified Watermain Replacement & Rehabilitation	24.0	24.0	0.0	0.0	0.0	0.0	0.0
IOR-WAW-190004-WR-09	Trunk Main Backflow Prevention	150.0	150.0	0.0	0.0	0.0	0.0	0.0
IOR-WAW-190004-WR-10	Donald St - Vickers St to Archibald St	340.0	340.0	0.0	0.0	0.0	0.0	0.0
IOR-WAW-190004-WR-11	Junot Ave - EMS to Walkover St	250.0	250.0	0.0	0.0	0.0	0.0	0.0
IOR-WAW-190004-WR-12	Sheep Ranch Rail Crossing	500.0	500.0	0.0	0.0	0.0	0.0	0.0
IOR-WAW-190004-WR-13	Junot Ave - John St to Windsor St	150.0	150.0	0.0	0.0	0.0	0.0	0.0
IOR-WAW-190004-WR-14	Marion St - Dewe Ave To Current Ave	100.0	100.0	0.0	0.0	0.0	0.0	0.0
IOR-WAW-190004-WR-15	Mary St - Edward St to Ford St	620.0	620.0	0.0	0.0	0.0	0.0	0.0
IOR-WAW-190004-WR-16	Edward St - Churchill Dr to Ward Ave	250.0	250.0	0.0	0.0	0.0	0.0	0.0
IOR-WAW-190004-WR-17	Leslie Ave Watermain	2,000.0	200.0	0.0	0.0	0.0	0.0	1,800.0 *
IOR-WAW-190004-WR-18	Syndicate Ave / McKellar St / Pruden St	1,000.0	1,000.0	0.0	0.0	0.0	0.0	0.0
IOR-WAW-190004-WR-19	Hinton Ave - Crescent Ave to Blanchard St	230.0	230.0	0.0	0.0	0.0	0.0	0.0
<b>Total Watermain Replacement &amp; Rehabilitation</b>		<b>8,514.0</b>	<b>6,714.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>1,800.0</b>

\* Client Contribution \$1,800.0

**THE CITY OF THUNDER BAY  
2019 CAPITAL PROGRAM DETAILS (\$000'S)**

DESCRIPTION	METHOD OF FINANCING						
	GROSS TOTAL	REVENUE	DEBENTURE	RESERVE	SUBSIDY	FEES	OTHER
<b>Infrastructure &amp; Operations</b>							
<b>Waterworks</b>							
<b>Network Expansion</b>							
IOR-WAW-190005-NE-01	Subdivision Oversizing	50.0	50.0	0.0	0.0	0.0	0.0
<b>Total Network Expansion</b>		<b>50.0</b>	<b>50.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>
<b>Professional Fees, Studies &amp; Miscellaneous</b>							
IOR-WAW-190006-PW-01	Pre-Engineering Design - Field Staff	140.0	140.0	0.0	0.0	0.0	0.0
IOR-WAW-190006-PW-02	Professional Fees for Studies & Misc	175.0	175.0	0.0	0.0	0.0	0.0
<b>Total Professional Fees, Studies &amp; Miscellaneous</b>		<b>315.0</b>	<b>315.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>
<b>Total Waterworks</b>		<b>11,821.2</b>	<b>10,021.2</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>1,800.0</b>
<b>TOTAL RATE SUPPORTED</b>		<b>21,254.8</b>	<b>19,394.8</b>	<b>0.0</b>	<b>0.0</b>	<b>60.0</b>	<b>1,800.0</b>
<b>GRAND TOTAL</b>		<b>76,662.3</b>	<b>35,465.6</b>	<b>7,284.4</b>	<b>6,793.9</b>	<b>14,825.7</b>	<b>11,492.3</b>