

# 2022 CAPITAL IMPROVEMENT



CITY OF  
**Thunder Bay**  
*Superior by Nature*

# **THE CITY OF THUNDER BAY** **2022 CAPITAL PROGRAM SUMMARY (\$000'S)**

Page Number	DEPARTMENT / DIVISION	METHOD OF FINANCING					
		GROSS TOTAL	REVENUE	DEBENTURE	RESERVE	SUBSIDY	FEES OTHER
	<b><u>Tax Supported</u></b>						
	<b>General</b>						
1	Clean Green and Beautiful	220.0	0.0	0.0	220.0	0.0	0.0
		<b>220.0</b>	<b>0.0</b>	<b>0.0</b>	<b>220.0</b>	<b>0.0</b>	<b>0.0</b>
	<b>City Manager's Office</b>						
2	City Manager's Office	400.0	0.0	0.0	400.0	0.0	0.0
2	Office of the City Clerk	300.0	300.0	0.0	0.0	0.0	0.0
2	Strategic Initiatives & Engagement	250.0	100.0	0.0	150.0	0.0	0.0
		<b>950.0</b>	<b>400.0</b>	<b>0.0</b>	<b>550.0</b>	<b>0.0</b>	<b>0.0</b>
	<b>Development &amp; Emergency Services</b>						
3	Support Services	150.0	0.0	0.0	150.0	0.0	0.0
3	Planning Services	206.0	106.0	0.0	100.0	0.0	0.0
3	Licensing & Enforcement	296.0	0.0	96.0	200.0	0.0	0.0
3	Superior North EMS	1,995.0	0.0	1,140.0	855.0	0.0	0.0
3	Thunder Bay Fire Rescue	730.0	150.0	580.0	0.0	0.0	0.0
		<b>3,377.0</b>	<b>256.0</b>	<b>1,816.0</b>	<b>1,305.0</b>	<b>0.0</b>	<b>0.0</b>
	<b>Community Services</b>						
4 - 5	Asset Management	13,810.3	5,083.3	1,584.0	2,265.2	3,814.1	1,063.7
6	Transit Services	3,677.6	54.8	0.0	926.1	2,696.7	0.0
6	Recreation & Culture	3,967.0	262.0	0.0	2,625.0	1,000.0	80.0
6	Central Support	55.0	30.0	0.0	0.0	0.0	25.0
		<b>21,509.9</b>	<b>5,430.1</b>	<b>1,584.0</b>	<b>5,816.3</b>	<b>7,510.8</b>	<b>1,168.7</b>
	<b>Corporate Services &amp; Long Term Care</b>						
7	Corporate Information Technology	912.1	0.0	0.0	912.1	0.0	0.0
7	Financial Services	609.0	0.0	609.0	0.0	0.0	0.0
7	Revenue	470.0	70.0	0.0	400.0	0.0	0.0
8	LT Care & Sr Services - Pioneer Ridge & Jasper Apts	638.6	460.0	0.0	0.0	178.6	0.0
		<b>2,629.7</b>	<b>530.0</b>	<b>609.0</b>	<b>1,312.1</b>	<b>178.6</b>	<b>0.0</b>
	<b>Infrastructure &amp; Operations</b>						
9	Central Support	65.9	65.9	0.0	0.0	0.0	0.0
9	Environment	4,095.0	850.0	545.0	2,045.0	655.0	0.0
10	Engineering	807.0	600.0	0.0	207.0	0.0	0.0
10 - 14	Roads	23,800.7	4,155.7	2,391.6	14,544.7	2,010.1	698.6
15 - 16	Parks	7,398.2	2,452.3	338.9	4,607.0	0.0	0.0
		<b>36,166.8</b>	<b>8,123.9</b>	<b>3,275.5</b>	<b>21,403.7</b>	<b>2,665.1</b>	<b>698.6</b>

**THE CITY OF THUNDER BAY  
2022 CAPITAL PROGRAM SUMMARY (\$000'S)**

Page Number	DEPARTMENT / DIVISION	METHOD OF FINANCING					
		GROSS TOTAL	REVENUE	DEBENTURE	RESERVE	SUBSIDY	FEES OTHER
	<b><u>Tax Supported</u></b>						
	<b>Outside Boards &amp; Other Agencies</b>						
17	Thunder Bay Police Service	4,594.0	1,864.4	0.0	2,682.5	0.0	47.1
18	Parking Authority	787.0	0.0	0.0	0.0	787.0	0.0
18	Thunder Bay Public Library	791.4	791.4	0.0	0.0	0.0	0.0
		<b>6,172.4</b>	<b>2,655.8</b>	<b>0.0</b>	<b>2,682.5</b>	<b>0.0</b>	<b>47.1</b>
	<b>TOTAL TAX SUPPORTED</b>	<b>71,025.7</b>	<b>17,395.8</b>	<b>7,284.4</b>	<b>33,289.6</b>	<b>10,354.5</b>	<b>1,914.4</b>
	<b><u>Rate Supported</u></b>						
19	Solid Waste	460.9	0.0	0.0	0.0	460.9	0.0
20 - 21	Wastewater	14,430.5	0.0	8,000.0	0.0	508.0	0.0
22	Prince Arthur's Landing & Boaters Services	360.0	0.0	300.0	0.0	60.0	0.0
23 - 25	Waterworks	12,606.0	0.0	4,200.0	0.0	8,406.0	0.0
	<b>TOTAL RATE SUPPORTED</b>	<b>27,857.4</b>	<b>0.0</b>	<b>12,500.0</b>	<b>0.0</b>	<b>508.0</b>	<b>0.0</b>
	<b>GRAND TOTAL</b>	<b>98,883.1</b>	<b>17,395.8</b>	<b>19,784.4</b>	<b>33,289.6</b>	<b>15,636.4</b>	<b>1,914.4</b>

**THE CITY OF THUNDER BAY  
2022 CAPITAL PROGRAM DETAILS (\$000'S)**

		METHOD OF FINANCING						
		GROSS TOTAL	REVENUE	DEBENTURE	RESERVE	SUBSIDY	FEES	OTHER
<b>General</b>								
<b>Clean Green and Beautiful</b>								
GEN-CGB-220001	Waterfront Trail - Image Route	85.0	0.0	0.0	85.0	*	0.0	0.0
GEN-CGB-220002	Centennial Park - Image Route	50.0	0.0	0.0	50.0	*	0.0	0.0
GEN-CGB-220003	Public Art	15.0	0.0	0.0	15.0	*	0.0	0.0
GEN-CGB-220004	Awards & Promotion	10.0	0.0	0.0	10.0	*	0.0	0.0
GEN-CGB-220005	Emerging Projects	60.0	0.0	0.0	60.0	*	0.0	0.0
<b>Grand Total Clean Green and Beautiful</b>		<b>220.0</b>	<b>0.0</b>	<b>0.0</b>	<b>220.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>

\* Clean Green & Beautiful Reserve Fund \$220.0

**THE CITY OF THUNDER BAY  
2022 CAPITAL PROGRAM DETAILS (\$000'S)**

		METHOD OF FINANCING						
		GROSS TOTAL	REVENUE	DEBENTURE	RESERVE	SUBSIDY	FEES	OTHER
<b>City Manager's Office</b>								
CMO-CMO-220001	Cardiovascular Campaign Contribution	200.0	0.0	0.0	200.0	*	0.0	0.0
CMO-CMO-220002	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>	<b>0.0</b>
* Renew Thunder Bay Reserve Fund \$400.0								
<b>Office of the City Clerk</b>								
CMO-CLK-220001	AODA - Legislative Compliance	300.0	300.0	0.0	0.0	0.0	0.0	0.0
<b>Total Office of the City Clerk</b>		<b>300.0</b>	<b>300.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>
<b>Strategic Initiatives &amp; Engagement</b>								
CMO-SIE-220001	City Website Renewal	50.0	50.0	0.0	0.0	0.0	0.0	0.0
CMO-SIE-220002	Anti-Racism Systemic Review	50.0	50.0	0.0	0.0	0.0	0.0	0.0
CMO-SIE-220003	Project Management Office	150.0	0.0	0.0	150.0	**	0.0	0.0
<b>Total Corporate Strategic Services</b>		<b>250.0</b>	<b>100.0</b>	<b>0.0</b>	<b>150.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>
** Capital General Reserve Fund \$150.0								
<b>Grand Total City Manager's Office</b>		<b>950.0</b>	<b>400.0</b>	<b>0.0</b>	<b>550.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>

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		METHOD OF FINANCING						
	DESCRIPTION	GROSS TOTAL	REVENUE	DEBENTURE	RESERVE	SUBSIDY	FEES	OTHER
<b>Development &amp; Emergency Services</b>								
<b>Support Services</b>								
DEV-GMO-220001	Emergency Management Plan	150.0	0.0	0.0	150.0	*	0.0	0.0
<b>Total Support Services</b>		<b>150.0</b>	<b>0.0</b>	<b>0.0</b>	<b>150.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>
		* Capital General Reserve Fund \$150.0						
<b>Planning Services</b>								
DEV-PLN-220001	Planning Studies	76.0	76.0	0.0	0.0	0.0	0.0	0.0
DEV-PLN-220002	N Ontario Orthophotography Project	30.0	30.0	0.0	0.0	0.0	0.0	0.0
DEV-PLN-220003	Community Improvement Plan	100.0	0.0	0.0	100.0	**	0.0	0.0
<b>Total Planning Services</b>		<b>206.0</b>	<b>106.0</b>	<b>0.0</b>	<b>100.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>
		** Capital General Reserve Fund \$100.0						
<b>Licensing &amp; Enforcement</b>								
DEV-LIC-220001	Enforcement Vehicles	96.0	0.0	96.0	0.0	0.0	0.0	0.0
DEV-LIC-220002	Enforcement Digitization	200.0	0.0	0.0	200.0	***	0.0	0.0
<b>Total Licensing &amp; Enforcement</b>		<b>296.0</b>	<b>0.0</b>	<b>96.0</b>	<b>200.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>
		*** Capital General Reserve Fund \$200.0						
<b>Superior North EMS</b>								
DEV-EMS-220001	Traning Equipment	35.0	0.0	0.0	35.0	****	0.0	0.0
DEV-EMS-220002	Vehicle Replacement	820.0	0.0	0.0	820.0	****	0.0	0.0
DEV-EMS-220003	Facility Renovation - Change Room	524.0	0.0	524.0	0.0	0.0	0.0	0.0
DEV-EMS-220004	Facility Renovation - Administration	616.0	0.0	616.0	0.0	0.0	0.0	0.0
<b>Total Superior North EMS</b>		<b>1,995.0</b>	<b>0.0</b>	<b>1,140.0</b>	<b>855.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>
		**** EMS Vehicle & Equipment Reserve Fund \$855.0						
<b>Thunder Bay Fire Rescue</b>								
DEV-FIR-220001	Pumper / Rescue	500.0	0.0	500.0	0.0	0.0	0.0	0.0
DEV-FIR-220002	Fleet Diagnostic Equipment	20.0	20.0	0.0	0.0	0.0	0.0	0.0
DEV-FIR-220003	Communication System Upgrades	10.0	10.0	0.0	0.0	0.0	0.0	0.0
DEV-FIR-220004	Utility Vehicle	80.0	0.0	80.0	0.0	0.0	0.0	0.0
DEV-FIR-220005	Personal Protective Equipment	120.0	120.0	0.0	0.0	0.0	0.0	0.0
<b>Total Thunder Bay Fire Rescue</b>		<b>730.0</b>	<b>150.0</b>	<b>580.0</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>3,377.0</b>	<b>256.0</b>	<b>1,816.0</b>	<b>1,305.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>

**THE CITY OF THUNDER BAY  
2022 CAPITAL PROGRAM DETAILS (\$000'S)**

		METHOD OF FINANCING						
		GROSS TOTAL	REVENUE	DEBENTURE	RESERVE	SUBSIDY	FEES	OTHER
<b>Community Services</b>								
<b>Asset Management</b>								
	<b>Asset Renewal - Municipal and Board Facilities</b>							
COM-FFE-220101-1	Corporate Buildings	1,001.2	491.2	0.0	510.0	*	0.0	0.0
COM-FFE-220101-6	Arenas & Stadia	1,636.1	1,096.8	0.0	0.0	539.3	****	0.0
COM-FFE-220101-7	Aquatics & CGC Facilities	395.0	165.0	0.0	0.0	230.0	****	0.0
COM-FFE-220101-8	Community Centre Facilities	188.2	188.2	0.0	0.0	0.0		0.0
COM-FFE-220101-10	Fire ServicesFacilities	170.0	170.0	0.0	0.0	0.0		0.0
COM-FFE-220101-11	Parks Facilities	190.0	190.0	0.0	0.0	0.0		0.0
COM-FFE-220101-14	Transit Facilities	661.2	78.2	0.0	67.5	**	515.5	*****
COM-FFE-220106-1	Corporate Facility Redevelopment & Demolition	738.3	738.3	0.0	0.0	0.0		0.0
COM-FFE-220118-1	Energy Management Initiatives	265.0	50.0	0.0	215.0	**/**	0.0	0.0
<b>Total Asset Renewal</b>		<b>5,245.0</b>	<b>3,167.7</b>	<b>0.0</b>	<b>792.5</b>	<b>1,284.8</b>	<b>0.0</b>	<b>0.0</b>

\* Capital General Reserve Fund \$510.0  
 \*\* Provincial Gas Tax Reserve Fund \$232.5  
 \*\*\* Corporate Energy Reserve Fund \$50.0  
 \*\*\*\* Green & Inclusive Community Buildings Program \$769.3  
 \*\*\*\*\* Investing in Canada Infrastructure Program \$515.5

**THE CITY OF THUNDER BAY  
2022 CAPITAL PROGRAM DETAILS (\$000'S)**

		METHOD OF FINANCING						
	DESCRIPTION	GROSS TOTAL	REVENUE	DEBENTURE	RESERVE	SUBSIDY	FEES	OTHER
<b>Community Services</b>								
<b>Asset Management</b>								
	<b>Fleet Replacement</b>							
COM-FFE-220207-1	Fleet - I&O Roads & Parks	3,469.6	1,345.6	1,584.0	540.0	*	0.0	0.0
COM-FFE-220207-2	Fleet - Licensing & Enforcement	151.0	0.0	0.0	0.0		0.0	151.0 ****
COM-FFE-220207-4	Fleet - Landfill	246.7	0.0	0.0	0.0		0.0	246.7 ****
COM-FFE-220207-5	Fleet - Wastewater	284.0	0.0	0.0	0.0		0.0	284.0 ****
COM-FFE-220207-6	Fleet - Waterworks	382.0	0.0	0.0	0.0		0.0	382.0 ****
COM-FFE-220207-7	Fleet - Transit	3,462.0	0.0	0.0	932.7	**	2,529.3 ***	0.0
<b>Total Fleet Replacement</b>		<b>7,995.3</b>	<b>1,345.6</b>	<b>1,584.0</b>	<b>1,472.7</b>	<b>2,529.3</b>	<b>0.0</b>	<b>1,063.7</b>
		* Equipment Replacement Reserve Fund \$540.0 ** Provincial Gas Tax Reserve Fund \$932.7 *** Investing in Canada Infrastructure Program \$2,529.3 **** Internal Recovery \$1,063.7						
	<b>Facility Services Capital</b>							
COM-FFE-220304-1	Arc Flash	25.0	25.0	0.0	0.0	0.0	0.0	0.0
COM-FFE-220304-2	Major Component Repair	150.0	150.0	0.0	0.0	0.0	0.0	0.0
COM-FFE-220304-3	Energy Efficiency	20.0	20.0	0.0	0.0	0.0	0.0	0.0
COM-FFE-220304-4	Environmental Assessments	40.0	40.0	0.0	0.0	0.0	0.0	0.0
COM-FFE-220304-5	Security Equipment	20.0	20.0	0.0	0.0	0.0	0.0	0.0
COM-FFE-220304-6	CGC / Aquatics	115.0	115.0	0.0	0.0	0.0	0.0	0.0
COM-FFE-220304-7	Arenas Capital	200.0	200.0	0.0	0.0	0.0	0.0	0.0
<b>Total Facility Services Capital</b>		<b>570.0</b>	<b>570.0</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>13,810.3</b>	<b>5,083.3</b>	<b>1,584.0</b>	<b>2,265.2</b>	<b>3,814.1</b>	<b>0.0</b>	<b>1,063.7</b>



**THE CITY OF THUNDER BAY  
2022 CAPITAL PROGRAM DETAILS (\$000'S)**

		METHOD OF FINANCING						
	DESCRIPTION	GROSS TOTAL	REVENUE	DEBENTURE	RESERVE	SUBSIDY	FEES	OTHER
<b>Community Services</b>								
<b>Transit Services</b>								
	<b>Transit Infrastructure - Terminals and Stops</b>							
COM-TRN-220001-1	Transit Hub	3,194.1	0.0	0.0	852.0	* 2,342.1	**	0.0
COM-TRN-220002-1	Bus Shelter Replacement	178.9	30.0	0.0	17.7	* 131.2	**	0.0
COM-TRN-220002-2	Accessible Stop Improvements	304.6	24.8	0.0	56.4	*/*** 223.4	**	0.0
<b>Total Transit Services</b>		<b>3,677.6</b>	<b>54.8</b>	<b>0.0</b>	<b>926.1</b>	<b>2,696.7</b>	<b>0.0</b>	<b>0.0</b>
		* Provincial Gas Tax Reserve Fund \$890.9						
		** Investing in Canada Infrastructure Program \$2,696.7						
		*** Capital Transit Reserve Fund \$35.2						
<b>Recreation &amp; Culture</b>								
COM-REC-220001-1-N-1	Cultural Plan Renewal	120.0	120.0	0.0	0.0	0.0	0.0	0.0
COM-REC-220001-2-N-1	Canada Games Complex Equipment Replacement	100.0	100.0	0.0	0.0	0.0	0.0	0.0
COM-REC-220001-2-N-2	Fort William Stadium & Track Upgrades	3,600.0	0.0	0.0	2,600.0	* 1,000.0	***	0.0
COM-REC-220001-3-N-1	55+ Infrastructure and Equipment	25.0	0.0	0.0	25.0	** 0.0	0.0	0.0
COM-REC-220001-3-N-2	Fort William Gardens Ticket Printers	12.0	12.0	0.0	0.0	0.0	0.0	0.0
COM-REC-220001-3-N-3	Canada Games Complex Timing Clock	100.0	20.0	0.0	0.0	0.0	0.0	80.0
COM-REC-220001-3-N-4	Public Art - Maintenance & Minor Projects	10.0	10.0	0.0	0.0	0.0	0.0	0.0
<b>Total Recreation &amp; Culture</b>		<b>3,967.0</b>	<b>262.0</b>	<b>0.0</b>	<b>2,625.0</b>	<b>1,000.0</b>	<b>0.0</b>	<b>80.0</b>
		* Canada Community Building Fund \$2,600.0						
		** 55+ Center Reserve Fund \$25.0						
		*** FedNor \$296.1 / Provincial Grant \$703.9						
		***** Capital Carryforward Funds \$65.0 / Client Contribution \$15.0						
<b>Central Support</b>								
COM-CEN-220001-1-N-1	Child Care Equipment & Infrastructure	50.0	30.0	0.0	0.0	0.0	0.0	20.0
COM-CEN-220001-1-N-2	Child Care Equipment - General	5.0	0.0	0.0	0.0	0.0	0.0	5.0
<b>Total Central Support</b>		<b>55.0</b>	<b>30.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>25.0</b>
		* Capital Carryforward Funds \$20.0						
		** Thunder Bay Social Services Administration Board \$5.0						
<b>Grand Total for Community Services</b>		<b>21,509.9</b>	<b>5,430.1</b>	<b>1,584.0</b>	<b>5,816.3</b>	<b>7,510.8</b>	<b>0.0</b>	<b>1,168.7</b>

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		METHOD OF FINANCING						
		GROSS TOTAL	REVENUE	DEBENTURE	RESERVE	SUBSIDY	FEES	OTHER
<b>Corporate Services &amp; Long Term Care</b>								
<b>Corporate Information Technology</b>								
CSL-CIT-220002	Lifecycle Maintenance of City's Computer Network	320.5	0.0	0.0	320.5	*	0.0	0.0
CSL-CIT-220003	Training Facility & Technology Update	35.6	0.0	0.0	35.6	*	0.0	0.0
CSL-CIT-220004	Cybersecurity Risk Assessment	56.0	0.0	0.0	56.0	*	0.0	0.0
CSL-CIT-220005	Digital Strategy - Transformation Project	500.0	0.0	0.0	500.0	**	0.0	0.0
<b>Total Corporate Information Technology</b>		<b>912.1</b>	<b>0.0</b>	<b>0.0</b>	<b>912.1</b>		<b>0.0</b>	<b>0.0</b>
		* CIT Capital Reserve Fund \$412.1						
		** General Capital Reserve Fund \$500.0						
<b>Financial Services</b>								
CSL-FIN-220001	Replacement of Fuel Tanks at the Front Street Yard	609.0	0.0	609.0	0.0	0.0	0.0	0.0
<b>Total Financial Services</b>		<b>609.0</b>	<b>0.0</b>	<b>609.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>
<b>Revenue</b>								
CSL-REV-220001	Tax Billing & Payment Software	470.0	70.0	0.0	400.0	***	0.0	0.0
<b>Total Revenue</b>		<b>470.0</b>	<b>70.0</b>	<b>0.0</b>	<b>400.0</b>		<b>0.0</b>	<b>0.0</b>
		*** Capital General Reserve Fund \$400.0						

**THE CITY OF THUNDER BAY  
2022 CAPITAL PROGRAM DETAILS (\$000'S)**

		METHOD OF FINANCING					
		GROSS TOTAL	REVENUE	DEBENTURE	RESERVE	SUBSIDY	FEES OTHER
<b>Corporate Services &amp; Long Term Care</b>							
<b>LT Care &amp; Senior Services - Pioneer Ridge &amp; Jasper Apartments</b>							
CSL-HOM-220001	Pioneer Resident Lifts	15.0	15.0	0.0	0.0	0.0	0.0
CSL-HOM-220003	Pioneer Environmental Equipment Replacement	20.0	20.0	0.0	0.0	0.0	0.0
CSL-HOM-220005	Pioneer Facility Renewal	200.0	200.0	0.0	0.0	0.0	0.0
CSL-HOM-220007	Pioneer Technology Advancements	14.0	14.0	0.0	0.0	0.0	0.0
CSL-HOM-220011	Pioneer Bathing Equipment	40.0	40.0	0.0	0.0	0.0	0.0
CSL-HOM-220014	Pioneer Outside Buildings	25.0	25.0	0.0	0.0	0.0	0.0
CSL-HOM-220016	Jasper Call Bell System / Pagers	90.5	0.0	0.0	0.0	90.5 *	0.0
CSL-HOM-220017	Pioneer Resident Care Equipment	30.0	30.0	0.0	0.0	0.0	0.0
CSL-HOM-220019	Pioneer Structural Compliance	116.0	116.0	0.0	0.0	0.0	0.0
CSL-HOM-220021	IPAC Minor Capital Project	88.1	0.0	0.0	0.0	88.1 **	0.0
<b>Total LT Care &amp; Senior Services - Pioneer Ridge &amp; Jasper Apartments</b>		<b>638.6</b>	<b>460.0</b>	<b>0.0</b>	<b>0.0</b>	<b>178.6</b>	<b>0.0</b>
		* Ontario Ministry of Health \$90.5					
		** Ministry of Long-Term Care \$88.1					
<b>Grand Total Corporate Services &amp; Long Term Care</b>		<b>2,629.7</b>	<b>530.0</b>	<b>609.0</b>	<b>1,312.1</b>	<b>178.6</b>	<b>0.0</b>

**THE CITY OF THUNDER BAY  
2022 CAPITAL PROGRAM DETAILS (\$000'S)**

		METHOD OF FINANCING						
	DESCRIPTION	GROSS TOTAL	REVENUE	DEBENTURE	RESERVE	SUBSIDY	FEES	OTHER
Infrastructure & Operations								
Central Support								
	Central Support							
IOT-CEN-220001-CS-01	Equipment	47.9	47.9	0.0	0.0	0.0	0.0	0.0
IOT-CEN-220001-CS-02	Concessions Equipment	13.0	13.0	0.0	0.0	0.0	0.0	0.0
IOT-CEN-220001-CS-03	Hut / Base Renewal Program	5.0	5.0	0.0	0.0	0.0	0.0	0.0
Total Central Support		65.9	65.9	0.0	0.0	0.0	0.0	0.0
Environment								
	Storm Sewers							
IOT-ENV-220001-ST-01	Storm Sewer Inspections	200.0	200.0	0.0	0.0	0.0	0.0	0.0
IOT-ENV-220001-ST-02	Trunk Ditching Rural Wards	130.0	130.0	0.0	0.0	0.0	0.0	0.0
IOT-ENV-220001-ST-03	Low Impact Development	600.0	0.0	160.0	240.0	**	200.0	***
IOT-ENV-220001-ST-04	Residential Drainage Assistance Program	125.0	125.0	0.0	0.0	0.0	0.0	0.0
IOT-ENV-220001-ST-05	Storm Sewer Infrastructure	1,135.0	100.0	0.0	685.0	**	350.0	***
IOT-ENV-220001-ST-06	Local Drainage Improvements	50.0	50.0	0.0	0.0	0.0	0.0	0.0
IOT-ENV-220001-ST-07	Rehab / Replacement	100.0	100.0	0.0	0.0	0.0	0.0	0.0
IOT-ENV-220001-ST-08	Outfall Repairs	25.0	25.0	0.0	0.0	0.0	0.0	0.0
IOT-ENV-220001-ST-09	Beaverhall Pl -Mountdale Ave to Walsh St	420.0	0.0	120.0	300.0	*	0.0	0.0
IOT-ENV-220001-ST-10	James St - Victoria Ave to Arthur St	800.0	0.0	160.0	640.0	*	0.0	0.0
IOT-ENV-220001-ST-11	Miles St - Leland Ave to Briar Bay	90.0	0.0	35.0	55.0	*	0.0	0.0
IOT-ENV-220001-ST-12	Tupper St - Duke St to Pine St	300.0	0.0	70.0	125.0	**	105.0	***
IOT-ENV-220001-ST-13	Excess Soil - Regulatory Requirements	20.0	20.0	0.0	0.0	0.0	0.0	0.0
IOT-ENV-220003-SW-01	Organics Program	100.0	100.0	0.0	0.0	0.0	0.0	0.0
Total Environment		4,095.0	850.0	545.0	2,045.0	655.0	0.0	0.0

\* Canada Community Building Fund Reserve Fund \$995.0

\*\* Ontario Community Infrastructure Fund Reserve Fund \$1,050.0

\*\*\* Disaster Mitigation & Adaptation Funding \$655.0

**THE CITY OF THUNDER BAY  
2022 CAPITAL PROGRAM DETAILS (\$000'S)**

		METHOD OF FINANCING						
	DESCRIPTION	GROSS TOTAL	REVENUE	DEBENTURE	RESERVE	SUBSIDY	FEES	OTHER
<b>Infrastructure &amp; Operations</b>								
<b>Engineering</b>								
	<b>Professional Fees, Studies &amp; Misc.</b>							
IOT-ENG-220001-PF-01	Pre-Engineering Field Services	15.0	0.0	0.0	15.0	*	0.0	0.0
IOT-ENG-220001-PF-02	Property Acquisition & Legal	50.0	50.0	0.0	0.0		0.0	0.0
IOT-ENG-220001-PF-03	Engineering Traffic Studies	25.0	25.0	0.0	0.0		0.0	0.0
IOT-ENG-220001-PF-04	Active Transportation Plan Implementation	250.0	250.0	0.0	0.0		0.0	0.0
IOT-ENG-220001-PF-05	Boulevard Operating Studies / Approvals	100.0	100.0	0.0	0.0		0.0	0.0
IOT-ENG-220001-PF-06	Property Acquisition-NW Arterial	50.0	50.0	0.0	0.0		0.0	0.0
IOT-ENG-220001-PF-07	Parkdale Growth Area Study	180.0	0.0	0.0	180.0	*	0.0	0.0
IOT-ENG-220001-PF-08	Public Education	10.0	10.0	0.0	0.0		0.0	0.0
IOT-ENG-220001-PF-09	NW Arterial Environmental Assessment	100.0	100.0	0.0	0.0		0.0	0.0
IOT-ENG-220001-PF-10	North Shore Steelhead Associaiton - Fish Ladders	27.0	15.0	0.0	12.0	**	0.0	0.0
<b>Total Engineering</b>		<b>807.0</b>	<b>600.0</b>	<b>0.0</b>	<b>207.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>
		* Capital General Reserve Fund \$195.0						
		** Municipal Accomodation Tax Reserve Fund \$12						
<b>Roads</b>								
	<b>Bridges &amp; Culverts</b>							
IOT-RDS-220001-BR-01	Culvert Replacement Program	100.0	100.0	0.0	0.0		0.0	0.0
IOT-RDS-220001-BR-02	Detailed Visual Bridge Inspection	125.0	125.0	0.0	0.0		0.0	0.0
IOT-RDS-220001-BR-03	Woodcrest Road Bridge	1,500.0	0.0	100.0	1,400.0	***	0.0	0.0
IOT-RDS-220001-BR-04	Pedestrian Bridge Girder Reuse	75.0	75.0	0.0	0.0		0.0	0.0
IOT-RDS-220001-BR-05	McKellar Bridge Deck Replacement	120.0	0.0	120.0	0.0		0.0	0.0
<b>Total Bridges &amp; Culverts</b>		<b>1,920.0</b>	<b>300.0</b>	<b>220.0</b>	<b>1,400.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>
		*** Canada Community Building Fund Reserve Fund \$1,440.0						

**THE CITY OF THUNDER BAY  
2022 CAPITAL PROGRAM DETAILS (\$000'S)**

		METHOD OF FINANCING						
DESCRIPTION		GROSS TOTAL	REVENUE	DEBENTURE	RESERVE	SUBSIDY	FEES	OTHER
Infrastructure & Operations								
Roads								
	Pavement Rehabilitation							
IOT-RDS-220003-AR-01	Pavement Management	328.0	328.0	0.0	0.0	0.0	0.0	0.0
IOT-RDS-220003-AR-02	Guide Rails / Retaining Walls	50.0	50.0	0.0	0.0	0.0	0.0	0.0
IOT-RDS-220003-AR-03	Asphalt - Miscellaneous Patching	550.0	550.0	0.0	0.0	0.0	0.0	0.0
IOT-RDS-220003-AR-04	Asphalt - Surface Seal / Crack Seal	200.0	200.0	0.0	0.0	0.0	0.0	0.0
IOT-RDS-220003-AR-05	Rail Crossing Improvements	200.0	25.0	0.0	175.0	**	0.0	0.0
IOT-RDS-220003-AR-06	Enhanced Residential Road Work	588.8	0.0	75.3	513.5	*/**	0.0	0.0
IOT-RDS-220003-AR-07	Chipseal Roads	225.0	75.0	150.0	0.0	0.0	0.0	0.0
IOT-RDS-220003-AR-08	Beaverhall PI - Mountdale Ave to Walsh St	320.0	0.0	50.0	270.0	*	0.0	0.0
IOT-RDS-220003-AR-09	Court St - Wilson St to Park Ave	340.0	0.0	50.0	290.0	*	0.0	0.0
IOT-RDS-220003-AR-10	High St - John St to Lisgar St	475.0	0.0	60.0	415.0	*	0.0	0.0
IOT-RDS-220003-AR-11	Alloy Dr - Balmoral St to Central Ave	400.0	0.0	55.0	345.0	*	0.0	0.0
IOT-RDS-220003-AR-12	Tupper St - High St to Pine St	280.0	0.0	50.0	118.0	**	112.0	***
IOT-RDS-220003-AR-13	Cumberland St - Tupper St to McVicar Creek	360.0	0.0	50.0	310.0	*	0.0	0.0
IOT-RDS-220003-AR-14	James St - Victoria Ave to Arthur St	650.0	0.0	70.0	580.0	*	0.0	0.0
IOT-RDS-220003-AR-15	Dawson Rd - Ada Ave to Dog Lake	1,075.0	0.0	75.0	200.0	**	800.0	****
IOT-RDS-220003-AR-16	Legion Track Drive	300.0	0.0	50.0	250.0	*	0.0	0.0
IOT-RDS-220003-AR-17	Hot-In-Place Asphalt Recycling	650.0	650.0	0.0	0.0	0.0	0.0	0.0
IOT-RDS-220003-AR-18	Memorial Ave - Central Ave to 2nd Ave	800.0	0.0	80.0	720.0	*	0.0	0.0
IOT-RDS-220003-AR-19	Crown St - Bay St to John St	150.0	0.0	30.0	120.0	*	0.0	0.0
Total Pavement Rehabilitation		7,941.8	1,878.0	845.3	4,306.5	912.0	0.0	0.0
* Canada Community Building Fund Reserve Fund \$3,724.7 ** Ontario Community Infrastructure Fund Reserve Fund \$581.8 *** Disaster Mitigation & Adaptation Funding \$112.0 **** Northern Ontario Resource Development Supports \$800.0								
	Local Improvements							
IOT-RDS-220009-LI-01	Miles ST Curb & Gutter	181.3	50.6	0.0	0.0	0.0	0.0	130.7
IOT-RDS-220009-LI-02	Alloy Dr Curb & Gutter	352.8	29.9	0.0	0.0	0.0	0.0	322.9
IOT-RDS-220009-LI-03	Alloy Dr Storm Sewer	250.6	5.6	0.0	0.0	0.0	0.0	245.0
Total Local Improvements		784.7	86.1	0.0	0.0	0.0	0.0	698.6
***** Local Improvement Taxes \$698.6								

**THE CITY OF THUNDER BAY  
2022 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-220005-RU-01	Rural Roads Granular Upgrades	245.0	125.0	0.0	120.0	*	0.0	0.0
<b>Total Rural Roads</b>		<b>245.0</b>	<b>125.0</b>	<b>0.0</b>	<b>120.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>
* Capital General Reserve Fund \$120.0								
	<b>Sidewalk Replacements</b>							
IOT-RDS-220006-SR-01	Sidewalk Rehab Alternatives	100.0	100.0	0.0	0.0		0.0	0.0
IOT-RDS-220006-SR-02	Accessibility Ramp - North	35.0	35.0	0.0	0.0		0.0	0.0
IOT-RDS-220006-SR-03	Accessibility Ramp - South	35.0	35.0	0.0	0.0		0.0	0.0
IOT-RDS-220006-SR-04	Hollow Sidewalk Replacement	200.0	100.0	0.0	100.0	**	0.0	0.0
IOT-RDS-220006-SR-05	Sidewalk Removals	30.0	30.0	0.0	0.0		0.0	0.0
IOT-RDS-220006-SR-06	Brescia Ct B/S	41.0	0.0	11.0	30.0	**	0.0	0.0
IOT-RDS-220006-SR-07	John St E/S - Clarkson St to Junot Ave	115.0	0.0	40.0	75.0	**	0.0	0.0
IOT-RDS-220006-SR-08	Hyde Park W/S - Walsh St to Moodie St	55.0	0.0	11.0	44.0	**	0.0	0.0
IOT-RDS-220006-SR-09	Young St W/S - Mary St to south of Brock St	50.0	0.0	50.0	0.0		0.0	0.0
IOT-RDS-220006-SR-10	Centre Ave W/S - Gore St to Frederica St	45.0	0.0	45.0	0.0		0.0	0.0
IOT-RDS-220006-SR-11	Red River Rd S/S - Windemere Ave to Marlborough St	80.0	0.0	19.0	61.0	**	0.0	0.0
IOT-RDS-220006-SR-12	High St W/S - Markland St to Hester St	65.0	0.0	25.0	40.0	**	0.0	0.0
<b>Total Sidewalk Replacements</b>		<b>851.0</b>	<b>300.0</b>	<b>201.0</b>	<b>350.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>
** Canada Community Building Fund Reserve Fund \$350.0								

**THE CITY OF THUNDER BAY  
2022 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>Traffic Signals</b>							
IOT-RDS-220007-TS-01	Controller Upgrading Program	110.0	110.0	0.0	0.0	0.0	0.0	0.0
IOT-RDS-220007-TS-02	Detection Program	80.0	80.0	0.0	0.0	0.0	0.0	0.0
IOT-RDS-220007-TS-03	Audible Pedestrian Signals	25.0	0.0	25.0	0.0	0.0	0.0	0.0
IOT-RDS-220007-TS-04	Signal Upgrading Program	20.0	20.0	0.0	0.0	0.0	0.0	0.0
IOT-RDS-220007-TS-05	Pedestrian Crossovers	374.5	0.0	100.0	0.0	274.5	**	0.0
IOT-RDS-220007-TS-06	Traffic Calming	100.0	100.0	0.0	0.0	0.0	0.0	0.0
IOT-RDS-220007-TS-07	Intersection Partial Rebuilds	75.0	75.0	0.0	0.0	0.0	0.0	0.0
IOT-RDS-220007-TS-08	Memorial Ave Rail Signal Upgrade	80.0	0.0	80.0	0.0	0.0	0.0	0.0
IOT-RDS-220007-TS-09	Traffic Signal Removal	25.0	25.0	0.0	0.0	0.0	0.0	0.0
IOT-RDS-220007-TS-10	Traffic Signal Communications	300.0	279.9	0.0	20.1	*	0.0	0.0
<b>Total Traffic Signals</b>		<b>1,189.5</b>	<b>689.9</b>	<b>205.0</b>	<b>20.1</b>	<b>274.5</b>	<b>0.0</b>	<b>0.0</b>
		* Ontario Community Infrastructure Fund Reserve Fund \$20.1						
		** Investing in Canada Infrastructure Program \$274.5						
	<b>Sidewalks - New</b>							
IOT-RDS-220008-SN-01	Unspecified for Forecasting	1,073.6	286.7	0.0	0.0	787.0	***	0.0
IOT-RDS-220008-SN-02	High St - E/S Inchiquin St to Markland St	50.0	0.0	13.4	0.0	36.7	***	0.0
<b>Total Sidewalks - New</b>		<b>1,123.6</b>	<b>286.7</b>	<b>13.4</b>	<b>0.0</b>	<b>823.6</b>	<b>0.0</b>	<b>0.0</b>
		*** Investing in Canada Infrastructure Program \$823.6						
	<b>Road Network Improvements</b>							
IOT-RDS-220004-RN-01	Balmoral St Phase III - Alloy Dr to Lithium Dr	4,000.0	0.0	351.9	3,648.1	****	0.0	0.0
IOT-RDS-220004-RN-02	Balmoral Phase IV - Lithium Dr to Beverly St	4,700.0	0.0	0.0	4,700.0	****	0.0	0.0
		<b>8,700.0</b>	<b>0.0</b>	<b>351.9</b>	<b>8,348.1</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>
		**** Ontario Community Infrastructure Fund Reserve Fund \$8,348.1						



**THE CITY OF THUNDER BAY  
2022 CAPITAL PROGRAM DETAILS (\$000'S)**

		METHOD OF FINANCING						
DESCRIPTION		GROSS TOTAL	REVENUE	DEBENTURE	RESERVE	SUBSIDY	FEES	OTHER
Infrastructure & Operations								
Roads								
Street Lighting								
IOT-RDS-220010-SL-01	Underground Upgrade Program	40.0	40.0	0.0	0.0	0.0	0.0	0.0
IOT-RDS-220010-SL-02	System Upgrading Program	130.0	130.0	0.0	0.0	0.0	0.0	0.0
IOT-RDS-220010-SL-03	Pole Replacement Program	80.0	80.0	0.0	0.0	0.0	0.0	0.0
IOT-RDS-220010-SL-04	Underground Duct Replacement	150.0	150.0	0.0	0.0	0.0	0.0	0.0
IOT-RDS-220010-SL-05	Synergy Permitting Costs	5.0	5.0	0.0	0.0	0.0	0.0	0.0
IOT-RDS-220010-SL-06	Fault Repairs	20.0	20.0	0.0	0.0	0.0	0.0	0.0
IOT-RDS-220010-SL-07	Riverview Street - Edward St to Leland Ave	65.0	0.0	65.0	0.0	0.0	0.0	0.0
IOT-RDS-220010-SL-08	Legion Track Dr	70.0	0.0	70.0	0.0	0.0	0.0	0.0
IOT-RDS-220010-SL-09	Memorial Ave - Central Ave to Secord St	160.0	0.0	160.0	0.0	0.0	0.0	0.0
IOT-RDS-220010-SL-10	Alloy Dr - Balmoral St to Central Ave	80.0	0.0	80.0	0.0	0.0	0.0	0.0
IOT-RDS-220010-SL-11	Beaverhall Pl - Mountdale Ave to Walsh St	40.0	0.0	40.0	0.0	0.0	0.0	0.0
IOT-RDS-220010-SL-12	Miles St- Leland Ave to Briar Bay	80.0	0.0	80.0	0.0	0.0	0.0	0.0
IOT-RDS-220010-SL-13	Court St - Lincoln St to Park Ave	60.0	0.0	60.0	0.0	0.0	0.0	0.0
IOT-RDS-220010-SL-14	Unspecified Reconstruction	40.0	40.0	0.0	0.0	0.0	0.0	0.0
Total Street Lighting		1,020.0	465.0	555.0	0.0	0.0	0.0	0.0
Other								
IOT-RDS-220011	Weather Station - Balmoral St /Harbour Expressway	25.0	25.0	0.0	0.0	0.0	0.0	0.0
		25.0	25.0	0.0	0.0	0.0	0.0	0.0
Total Roads		23,800.6	4,155.7	2,391.6	14,544.7	2,010.1	0.0	698.6

**THE CITY OF THUNDER BAY  
2022 CAPITAL PROGRAM DETAILS (\$000'S)**

		METHOD OF FINANCING						
	DESCRIPTION	GROSS TOTAL	REVENUE	DEBENTURE	RESERVE	SUBSIDY	FEES	OTHER
Infrastructure & Operations								
Parks								
	Parks Renewal Program							
IOT-PKS-220001-GP-01	Lighting and Electrical Upgrading	180.5	180.5	0.0	0.0	0.0	0.0	0.0
IOT-PKS-220001-GP-02	Parks - Maintenance & Upgrades	90.0	90.0	0.0	0.0	0.0	0.0	0.0
IOT-PKS-220001-GP-03	Parks Asset Data Maintenance	25.0	25.0	0.0	0.0	0.0	0.0	0.0
IOT-PKS-220001-GP-04	Playground Equipment & Structures	1,100.0	100.0	0.0	1,000.0	*/**	0.0	0.0
IOT-PKS-220001-GP-05	Historical Artifact Maintenance	100.0	100.0	0.0	0.0	0.0	0.0	0.0
IOT-PKS-220001-GP-06	Priority Infrastructure Renewal	150.0	150.0	0.0	0.0	0.0	0.0	0.0
IOT-PKS-220001-GP-07	Amusement Rides	40.0	6.5	0.0	33.5	***	0.0	0.0
IOT-PKS-220001-GP-08	Parking Lots & Access Roads	569.0	200.0	200.0	169.0	***	0.0	0.0
IOT-PKS-220001-GP-09	Hillcrest Park Parking Lot	500.0	0.0	0.0	500.0	***	0.0	0.0
IOT-PKS-220001-GP-10	Parks Signage	64.7	64.7	0.0	0.0	0.0	0.0	0.0
Total Parks Renewal Program		2,819.2	916.7	200.0	1,702.5	0.0	0.0	0.0
* Canada Community Building Reserve Fund \$750.0								
** Renew Thunder Bay Reserve Fund \$250.0								
*** Capital General Reserve Fund \$702.5								
Sport Field Renewal								
IOT-PKS-220002-AS-01	Baseball Diamonds	70.0	70.0	0.0	0.0	0.0	0.0	0.0
IOT-PKS-220002-AS-02	Tennis & Pickleball Courts	25.0	25.0	0.0	0.0	0.0	0.0	0.0
IOT-PKS-220002-AS-03	Soccer Fields	30.0	30.0	0.0	0.0	0.0	0.0	0.0
IOT-PKS-220002-AS-04	Bleacher Seats & Bench Replacement	20.0	20.0	0.0	0.0	0.0	0.0	0.0
Total Sport Field Renewal		145.0	145.0	0.0	0.0	0.0	0.0	0.0

**THE CITY OF THUNDER BAY  
2022 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-220003-RT-01	New Trail Construction	639.0	185.7	138.9	314.5	*/**	0.0	0.0
IOT-PKS-220003-RT-02	Trail Reconstruction	120.0	120.0	0.0	0.0		0.0	0.0
IOT-PKS-220003-RT-03	Waterfront Trail	2,590.0	0.0	0.0	2,590.0	*	0.0	0.0
<b>Total Recreation Trails</b>		<b>3,349.0</b>	<b>305.7</b>	<b>138.9</b>	<b>2,904.5</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>
		* Canada Community Building Fund Reserve Fund \$2,865.0						
		** Recreation Trail Reserve Fund \$39.5						
	<b>Maintenance Equipment - Parks</b>							
IOT-PKS-220004	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-220005-UF-01	Tree Planting Program	120.0	120.0	0.0	0.0	0.0	0.0	0.0
IOT-PKS-220005-UF-02	Urban Forest Stewardship	110.0	110.0	0.0	0.0	0.0	0.0	0.0
IOT-PKS-220005-UF-04	EAB Response	400.0	400.0	0.0	0.0	0.0	0.0	0.0
IOT-PKS-220005-UF-05	Equipment	100.0	100.0	0.0	0.0	0.0	0.0	0.0
IOT-PKS-220005-UF-06	Horticultural Services	100.0	100.0	0.0	0.0	0.0	0.0	0.0
<b>Total Urban Forest Program</b>		<b>830.0</b>	<b>830.0</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-220006-GO-01	Equipment Replacement and Renewal	95.0	95.0	0.0	0.0	0.0	0.0	0.0
IOT-PKS-220006-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>7,398.2</b>	<b>2,452.3</b>	<b>338.9</b>	<b>4,607.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>
<b>Grand Total Infrastructure &amp; Operations</b>		<b>36,166.7</b>	<b>8,123.9</b>	<b>3,275.4</b>	<b>21,403.7</b>	<b>2,665.1</b>	<b>0.0</b>	<b>698.6</b>

**THE CITY OF THUNDER BAY  
2022 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 Police Services</b>								
OSB-POL-220000-01	Emergency Task Unit Equipment	195.6	195.6	0.0	0.0	0.0	0.0	0.0
OSB-POL-220000-02	Next Generation 911 Upgrade	266.0	0.0	0.0	266.0	*	0.0	0.0
OSB-POL-220000-03	Armoury	84.4	84.4	0.0	0.0	0.0	0.0	0.0
OSB-POL-220000-04	Soft Body Armour	67.4	67.4	0.0	0.0	0.0	0.0	0.0
OSB-POL-220000-05	Furniture Replacement	25.2	25.2	0.0	0.0	0.0	0.0	0.0
OSB-POL-220000-06	Investigative Equipment	4.1	4.1	0.0	0.0	0.0	0.0	0.0
OSB-POL-220000-07	Computer System Maintenance & Procurement	338.8	338.8	0.0	0.0	0.0	0.0	0.0
OSB-POL-220000-08	Police Vehicle Replacement	610.3	563.2	0.0	0.0	0.0	0.0	47.1
OSB-POL-220000-09	Cameras - In Car & Body Worn	120.0	120.0	0.0	0.0	0.0	0.0	0.0
OSB-POL-220000-10	Community Services Equipment	5.0	5.0	0.0	0.0	0.0	0.0	0.0
OSB-POL-220000-11	Training Equipment / Ammunition	228.0	228.0	0.0	0.0	0.0	0.0	0.0
OSB-POL-220000-12	Forensics Equipment	13.4	13.4	0.0	0.0	0.0	0.0	0.0
OSB-POL-220000-13	Cyber Crime Equipment	27.0	27.0	0.0	0.0	0.0	0.0	0.0
OSB-POL-220000-14	Uniform Patrol Equipment	14.6	14.6	0.0	0.0	0.0	0.0	0.0
OSB-POL-220000-15	Traffic Management Equipment	87.2	87.2	0.0	0.0	0.0	0.0	0.0
OSB-POL-220000-16	Enhanced Parking Lot Security	107.0	90.5	0.0	16.5	*	0.0	0.0
OSB-POL-220000-17	New Police Facility	2,400.0	0.0	0.0	2,400.0	**	0.0	0.0
<b>Total Thunder Bay Police Services</b>		<b>4,594.0</b>	<b>1,864.4</b>	<b>0.0</b>	<b>2,682.5</b>	<b>0.0</b>	<b>0.0</b>	<b>47.1</b>

\* Capital General Reserve Fund \$282.5

\*\* Renew Thunder Bay Reserve Fund \$2,400.0

\*\*\* Partner Municipalities \$47.1

**THE CITY OF THUNDER BAY  
2022 CAPITAL PROGRAM DETAILS (\$000'S)**

		METHOD OF FINANCING						
	DESCRIPTION	GROSS TOTAL	REVENUE	DEBENTURE	RESERVE	SUBSIDY	FEES	OTHER
Outside Boards & Other Agencies								
Parking Authority								
OSB-PKG-220001	Parking Meters	20.0	0.0	0.0	0.0	0.0	20.0	0.0
OSB-PKG-220002	Waterfront District Parkade	255.0	0.0	0.0	0.0	0.0	255.0	0.0
OSB-PKG-220003	Victoria Parkade Repairs	212.0	0.0	0.0	0.0	0.0	212.0	0.0
OSB-PKG-220004	Vehicle Replacement	55.0	0.0	0.0	0.0	0.0	55.0	0.0
OSB-PKG-220005	Parkade Operating Equipment Replacement	245.0	0.0	0.0	0.0	0.0	245.0	0.0
Total Parking Authority		787.0	0.0	0.0	0.0	0.0	787.0	0.0
* Parking Internal Debenture \$787.0								
Thunder Bay Public Library								
OSB-LIB-220001	Thunder Bay Public Library Capital	791.4	791.4	0.0	0.0	0.0	0.0	0.0
Total Thunder Bay Public Library		791.4	791.4	0.0	0.0	0.0	0.0	0.0
Total Outside Boards & Agencies		6,172.4	2,655.8	0.0	2,682.5	0.0	787.0	47.1
TOTAL TAX SUPPORTED		71,025.7	17,395.8	7,284.4	33,289.6	10,354.5	787.0	1,914.4

**THE CITY OF THUNDER BAY  
2022 CAPITAL PROGRAM DETAILS (\$000'S)**

		METHOD OF FINANCING						
DESCRIPTION		GROSS TOTAL	REVENUE	DEBENTURE	RESERVE	SUBSIDY	FEES	OTHER
Infrastructure & Operations								
Solid Waste								
	Landfill Site							
IOR-SOW-220001-LS-01	Process Improvements	10.4	0.0	0.0	0.0	0.0	10.4	0.0
IOR-SOW-220001-LS-02	Surface & Storm Water Management Studies	100.0	0.0	0.0	0.0	0.0	100.0	0.0
IOR-SOW-220001-LS-03	Landfill - Infrastructure	103.8	0.0	0.0	0.0	0.0	103.8	0.0
IOR-SOW-220002-LF-01	Vehicle and Equipment	246.7	0.0	0.0	0.0	0.0	246.7	0.0
Total Landfill Site		460.9	0.0	0.0	0.0	0.0	460.9	0.0
Total Solid Waste		460.9	0.0	0.0	0.0	0.0	460.9	0.0

**THE CITY OF THUNDER BAY  
2022 CAPITAL PROGRAM DETAILS (\$000'S)**

		METHOD OF FINANCING						
DESCRIPTION		GROSS TOTAL	REVENUE	DEBENTURE	RESERVE	SUBSIDY	FEES	OTHER
Infrastructure & Operations								
Wastewater								
Sanitary Sewage System: Network Expansion, Subdivision Oversizing								
IOR-SAN-220001-NE-01	Subdivision Oversizing	50.0	0.0	0.0	0.0	0.0	50.0	0.0
Total Sanitary Sewage System: Network Expansion, Subdivision Oversizing		50.0	0.0	0.0	0.0	0.0	50.0	0.0
Innovations, Programs & Technological Upgrades								
IOR-SAN-220002-NI-01	Wastewater Innovation Program	70.0	0.0	0.0	0.0	0.0	70.0	0.0
IOR-SAN-220002-NI-02	Plant & Program Technology	25.0	0.0	0.0	0.0	0.0	25.0	0.0
IOR-SAN-220002-NI-03	Auger machine / hand rod	25.0	0.0	0.0	0.0	0.0	25.0	0.0
Total Innovations, Programs & Technological Upgrades		120.0	0.0	0.0	0.0	0.0	120.0	0.0
Sanitary Fleet Replacement								
IOR-SAN-220003-FR-01	Vehicle Replacement	284.0	0.0	0.0	0.0	0.0	284.0	0.0
		284.0	0.0	0.0	0.0	0.0	284.0	0.0
Sanitary Sewer System - Sanitary Sewer Rehabilitation								
IOR-SAN-220004-SA-01	Sanitary Sewer Unspecified	179.0	0.0	0.0	0.0	0.0	179.0	0.0
IOR-SAN-220004-SA-02	Sanitary Sewer Inspection	1,000.0	0.0	0.0	0.0	0.0	1,000.0	0.0
IOR-SAN-220004-SA-03	House Lateral Lining	150.0	0.0	0.0	0.0	0.0	150.0	0.0
IOR-SAN-220004-SA-04	Manhole & Appurtenance Rehabilitation	150.0	0.0	0.0	0.0	0.0	150.0	0.0
IOR-SAN-220004-SA-05	Excess Soil Regulatory Requirements	30.0	0.0	0.0	0.0	0.0	30.0	0.0
IOR-SAN-220004-SA-06	Regent St - Van Norman St to Red River Rd	150.0	0.0	150.0	0.0	0.0	0.0	0.0
IOR-SAN-220004-SA-07	Court St - Wilson St to Park Ave	350.0	0.0	350.0	0.0	0.0	0.0	0.0
IOR-SAN-220004-SA-08	Wiley St - Ogden St to Dease St	415.0	0.0	415.0	0.0	0.0	0.0	0.0
IOR-SAN-220004-SA-09	High St - Lisgar St to Oliver Rd	50.0	0.0	0.0	0.0	0.0	50.0	0.0
IOR-SAN-220004-SA-10	Moodie St - Selkirk St to Kingsway Ave	1,000.0	0.0	823.0	0.0	0.0	177.0	0.0
IOR-SAN-220004-SA-11	Crown St - Bay St to John St	500.0	0.0	500.0	0.0	0.0	0.0	0.0
Total Sanitary Sewer System - Sanitary Sewer Rehabilitation		3,974.0	0.0	2,238.0	0.0	0.0	1,736.0	0.0

**THE CITY OF THUNDER BAY  
2022 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-220005-WP-01	Atlantic Ave - Building & Grounds	656.5	0.0	0.0	0.0	0.0	656.5	0.0
IOR-SAN-220005-WP-02	Atlantic Ave - Electrical	156.5	0.0	0.0	0.0	0.0	156.5	0.0
IOR-SAN-220005-WP-03	Atlantic Ave - HVAC	96.5	0.0	0.0	0.0	0.0	96.5	0.0
IOR-SAN-220005-WP-04	Atlantic Ave - Instrumentation	303.2	0.0	0.0	0.0	0.0	303.2	0.0
IOR-SAN-220005-WP-05	Atlantic Ave - Process	1,464.3	0.0	0.0	0.0	0.0	1,464.3	0.0
IOR-SAN-220005-WP-06	Atlantic Ave - Professional Fees	175.0	0.0	0.0	0.0	0.0	175.0	0.0
IOR-SAN-220005-WP-07	Atlantic Ave - Unplanned Repairs	210.5	0.0	0.0	0.0	0.0	210.5	0.0
IOR-SAN-220005-WP-08	Sewage Pumping Stations - All Groups	450.0	0.0	0.0	0.0	0.0	450.0	0.0
IOR-SAN-220005-WP-09	Atlantic Ave - Generator	5,000.0	0.0	5,000.0	0.0	0.0	0.0	0.0
<b>Total Water Pollution Control Plant</b>		<b>8,512.5</b>	<b>0.0</b>	<b>5,000.0</b>	<b>0.0</b>	<b>0.0</b>	<b>3,512.5</b>	<b>0.0</b>
	<b>Pollution Prevention Control Plan</b>							
IOR-SAN-220006-PP-01	Legion Track Drive	820.0	0.0	492.0	0.0	328.0 *	0.0	0.0
IOR-SAN-220006-PP-02	Wiley St - Ogden St to Dease St	270.0	0.0	162.0	0.0	108.0 *	0.0	0.0
IOR-SAN-220006-PP-03	Bay St - High St to Summit Ave	90.0	0.0	54.0	0.0	36.0 *	0.0	0.0
IOR-SAN-220006-PP-04	Franklin St - Cameron St to Neebing River	90.0	0.0	54.0	0.0	36.0 *	0.0	0.0
IOR-SAN-220006-PP-05	Excess Soil Regulation Requirements	20.0	0.0	0.0	0.0	0.0	20.0	0.0
<b>Total Pollution Prevention Control Plan</b>		<b>1,290.0</b>	<b>0.0</b>	<b>762.0</b>	<b>0.0</b>	<b>508.0</b>	<b>20.0</b>	<b>0.0</b>
* Disaster Mitigation & Adaptation Funding \$508.0								
	<b>Professional Fees, Studies &amp; Miscellaneous</b>							
IOR-SAN-220008-PS-01	Pre-Engineering Design for Field Staff	150.0	0.0	0.0	0.0	0.0	150.0	0.0
IOR-SAN-220008-PS-02	Professional Fees for Studies	50.0	0.0	0.0	0.0	0.0	50.0	0.0
<b>Total Professional Fees, Studies &amp; Miscellaneous</b>		<b>200.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>200.0</b>	<b>0.0</b>
<b>Total Wastewater</b>		<b>14,430.5</b>	<b>0.0</b>	<b>8,000.0</b>	<b>0.0</b>	<b>508.0</b>	<b>5,922.5</b>	<b>0.0</b>



**THE CITY OF THUNDER BAY  
2022 CAPITAL PROGRAM DETAILS (\$000'S)**

		METHOD OF FINANCING						
DESCRIPTION		GROSS TOTAL	REVENUE	DEBENTURE	RESERVE	SUBSIDY	FEES	OTHER
Infrastructure & Operations								
Prince Arthur's Landing - Boaters Services								
Boater Services - Infrastructure Maintenance								
IOR-PAL-220001-WF-01	Capital Maintenance	60.0	0.0	0.0	0.0	0.0	60.0	0.0
IOR-PAL-220001-WF-02	Fuel System Renewal	300.0	0.0	300.0	0.0	0.0	0.0	0.0
Total Prince Arthur's Landing - Boaters Services		360.0	0.0	300.0	0.0	0.0	60.0	0.0

**THE CITY OF THUNDER BAY  
2022 CAPITAL PROGRAM DETAILS (\$000'S)**

		METHOD OF FINANCING						
DESCRIPTION		GROSS TOTAL	REVENUE	DEBENTURE	RESERVE	SUBSIDY	FEES	OTHER
Infrastructure & Operations								
Waterworks								
	Capital Works: Treatment Plants, Pump Stations, Reservoirs & Structures							
IOR-WAW-220001-TP-01	Bare Point - Professional Fees	200.0	0.0	0.0	0.0	0.0	200.0	0.0
IOR-WAW-220001-TP-02	Bare Point - Unplanned Repairs	233.0	0.0	0.0	0.0	0.0	233.0	0.0
IOR-WAW-220001-TP-03	Bare Point - Electrical Upgrades	60.0	0.0	0.0	0.0	0.0	60.0	0.0
IOR-WAW-220001-TP-04	Bare Point - HVAC	40.0	0.0	0.0	0.0	0.0	40.0	0.0
IOR-WAW-220001-TP-05	Bare Point - Instrumentation	45.0	0.0	0.0	0.0	0.0	45.0	0.0
IOR-WAW-220001-TP-06	Bare Point - Process	2,421.0	0.0	0.0	0.0	0.0	2,421.0	0.0
IOR-WAW-220001-TP-07	Stations & Reservoirs - HVAC	30.0	0.0	0.0	0.0	0.0	30.0	0.0
IOR-WAW-220001-TP-08	Stations & Reservoirs - Electrical	50.0	0.0	0.0	0.0	0.0	50.0	0.0
IOR-WAW-220001-TP-09	Stations & Reservoir - Process	55.0	0.0	0.0	0.0	0.0	55.0	0.0
IOR-WAW-220001-TP-10	Stations & Reservoir - Instrumentation	25.0	0.0	0.0	0.0	0.0	25.0	0.0
Total Capital Works: Treatment Plants, Pump Stations, Reservoirs & Structures		3,159.0	0.0	0.0	0.0	0.0	3,159.0	0.0
	Innovations, Programs & Technological Upgrades							
IOR-WAW-220002-NI-01	Water Use Innovation Program	150.0	0.0	0.0	0.0	0.0	150.0	0.0
IOR-WAW-220002-NI-02	Large Water Meter Replacement Program	100.0	0.0	0.0	0.0	0.0	100.0	0.0
IOR-WAW-220002-NI-03	Program Technology & Equipment	20.0	0.0	0.0	0.0	0.0	20.0	0.0
IOR-WAW-220002-NI-04	Water Fill Stations	150.0	0.0	0.0	0.0	0.0	150.0	0.0
IOR-WAW-220002-NI-05	Lead Reduction Program	600.0	0.0	0.0	0.0	0.0	600.0	0.0
IOR-WAW-220002-NI-06	Automated Water Meter Evaluation	80.0	0.0	0.0	0.0	0.0	80.0	0.0
Total Innovations, Programs & Technological Upgrades		1,100.0	0.0	0.0	0.0	0.0	1,100.0	0.0
	Waterworks Fleet Replacement							
IOR-WAW-220003-FW-01	Equipment Replacement and Refurbishing	382.0	0.0	0.0	0.0	0.0	382.0	0.0
Total Waterworks Fleet Replacement		382.0	0.0	0.0	0.0	0.0	382.0	0.0

**THE CITY OF THUNDER BAY  
2022 CAPITAL PROGRAM DETAILS (\$000'S)**

		METHOD OF FINANCING						
DESCRIPTION		GROSS TOTAL	REVENUE	DEBENTURE	RESERVE	SUBSIDY	FEES	OTHER
Infrastructure & Operations								
Waterworks								
Watermain Replacement & Rehabilitation								
IOR-WAW-220004-WR-01	Cathodic Protection	100.0	0.0	0.0	0.0	0.0	100.0	0.0
IOR-WAW-220004-WR-02	Kerr Hydrant Replacement	125.0	0.0	0.0	0.0	0.0	125.0	0.0
IOR-WAW-220004-WR-03	Looping Program - Water Quality & Flow	150.0	0.0	0.0	0.0	0.0	150.0	0.0
IOR-WAW-220004-WR-04	Cleaning & Cement Mortar Lining	2,500.0	0.0	2,500.0	0.0	0.0	0.0	0.0
IOR-WAW-220004-WR-05	Lead Service Replacement Program	500.0	0.0	0.0	0.0	0.0	500.0	0.0
IOR-WAW-220004-WR-06	Valve Chambers Program	250.0	0.0	0.0	0.0	0.0	250.0	0.0
IOR-WAW-220004-WR-07	Utility Cut Restoration	100.0	0.0	0.0	0.0	0.0	100.0	0.0
IOR-WAW-220004-WR-08	Unspecified Watermain Replacement	445.0	0.0	0.0	0.0	0.0	445.0	0.0
IOR-WAW-220004-WR-09	Excess Soil Regulatory Requirements	50.0	0.0	0.0	0.0	0.0	50.0	0.0
IOR-WAW-220004-WR-10	Court St - Wilson St to Park Ave	320.0	0.0	320.0	0.0	0.0	0.0	0.0
IOR-WAW-220004-WR-11	James St - Arthur St to Donald St	200.0	0.0	0.0	0.0	0.0	200.0	0.0
IOR-WAW-220004-WR-12	Regent St - Van Norman St to Red River Rd	170.0	0.0	170.0	0.0	0.0	0.0	0.0
IOR-WAW-220004-WR-13	Beaverhall Pl - Mountdale Ave to Walsh St	420.0	0.0	420.0	0.0	0.0	0.0	0.0
IOR-WAW-220004-WR-14	Wiley St - Ogden St to Dease St	310.0	0.0	0.0	0.0	0.0	310.0	0.0
IOR-WAW-220004-WR-15	Balmoral St Phase III - near Police Station	150.0	0.0	0.0	0.0	0.0	150.0	0.0
IOR-WAW-220004-WR-16	Current River Fire Flow Looping - Dewe Ave to Leslie Ave	300.0	0.0	0.0	0.0	0.0	300.0	0.0
IOR-WAW-220004-WR-17	High St - John St to Lisgar St	600.0	0.0	90.0	0.0	0.0	510.0	0.0
IOR-WAW-220004-WR-18	Cumberland St - Villa St to McVicar Creek	185.0	0.0	0.0	0.0	0.0	185.0	0.0
IOR-WAW-220004-WR-19	Crown St - Bay St to John St	700.0	0.0	700.0	0.0	0.0	0.0	0.0
Total Watermain Replacement & Rehabilitation		7,575.0	0.0	4,200.0	0.0	0.0	3,375.0	0.0

**THE CITY OF THUNDER BAY  
2022 CAPITAL PROGRAM DETAILS (\$000'S)**

		METHOD OF FINANCING						
	DESCRIPTION	GROSS TOTAL	REVENUE	DEBENTURE	RESERVE	SUBSIDY	FEES	OTHER
Infrastructure & Operations								
Waterworks								
	Network Expansion							
IOR-WAW-220005-NE-01	Subdivision Oversizing	50.0	0.0	0.0	0.0	0.0	50.0	0.0
Total Network Expansion		50.0	0.0	0.0	0.0	0.0	50.0	0.0
	Professional Fees, Studies & Miscellaneous							
IOR-WAW-220006-PW-01	Pre-Engineering Design - Field Staff	140.0	0.0	0.0	0.0	0.0	140.0	0.0
IOR-WAW-220006-PW-02	Professional Fees for Studies & Misc	150.0	0.0	0.0	0.0	0.0	150.0	0.0
IOR-WAW-220006-PW-03	Water Model Updates	50.0	0.0	0.0	0.0	0.0	50.0	0.0
Total Professional Fees, Studies & Miscellaneous		340.0	0.0	0.0	0.0	0.0	340.0	0.0
Total Waterworks		12,606.0	0.0	4,200.0	0.0	0.0	8,406.0	0.0
TOTAL RATE SUPPORTED		27,857.4	0.0	12,500.0	0.0	508.0	14,849.4	0.0
GRAND TOTAL		98,883.1	17,395.8	19,784.4	33,289.6	10,862.5	15,636.4	1,914.4