

2023 CAPITAL IMPROVEMENT



CITY OF
Thunder Bay
Superior by Nature

**THE CITY OF THUNDER BAY
2023 CAPITAL PROGRAM SUMMARY (\$000'S)**

Page Number	DEPARTMENT / DIVISION	METHOD OF FINANCING					
		GROSS TOTAL	REVENUE	DEBENTURE	RESERVE	SUBSIDY	FEES OTHER
	<u>Tax Supported</u>						
	General						
1	Clean Green and Beautiful	220.0	0.0	0.0	220.0	0.0	0.0
		220.0	0.0	0.0	220.0	0.0	0.0
	City Manager's Office						
1	Office of the City Clerk	740.0	240.0	0.0	500.0	0.0	0.0
1	Corporate Strategic Services	50.0	50.0	0.0	0.0	0.0	0.0
1	Human Resources & Corporate Safety	59.0	59.0	0.0	0.0	0.0	0.0
		849.0	349.0	0.0	500.0	0.0	0.0
	Development & Emergency Services						
2	Support Services	200.0	200.0	0.0	0.0	0.0	0.0
2	Development Services (Planning & Realty)	4,970.0	200.0	4,720.0	0.0	0.0	50.0
2	Licensing & Enforcement	128.5	22.5	106.0	0.0	0.0	0.0
2	Superior North EMS	860.4	0.0	0.0	860.4	0.0	0.0
2	Thunder Bay Fire Rescue	755.1	164.8	480.0	110.3	0.0	0.0
		6,913.9	587.3	5,306.0	970.7	0.0	50.0
	Community Services						
3 - 4	Asset Management	15,920.1	5,706.4	2,504.9	2,019.6	4,069.8	1,619.4
5	Transit Services	700.0	100.0	0.0	600.0	0.0	0.0
5	Recreation & Culture	130.2	50.0	0.0	80.2	0.0	0.0
5	Central Support	67.0	30.0	0.0	0.0	0.0	37.0
		16,817.3	5,886.4	2,504.9	2,699.8	4,069.8	1,656.4
	Corporate Services & Long Term Care						
6	Corporate Information Technology	3,914.7	710.7	0.0	3,204.0	0.0	0.0
6	Financial Services	400.0	0.0	20.0	380.0	0.0	0.0
6	Revenue	575.0	530.0	0.0	0.0	0.0	45.0
6	LT Care & Sr Services - Pioneer Ridge & Jasper Apts	803.2	720.0	0.0	0.0	83.2	0.0
		5,692.9	1,960.7	20.0	3,584.0	83.2	45.0
	Infrastructure & Operations						
7	Environment	4,145.1	1,178.8	376.3	2,090.0	500.0	0.0
8	Engineering	587.0	519.0	0.0	0.0	68.0	0.0
8 - 12	Roads	22,706.8	2,899.6	3,457.4	13,890.0	2,459.8	0.0
13 - 14	Parks	5,564.2	1,876.6	339.9	1,221.8	2,126.0	0.0
		33,003.1	6,473.9	4,173.5	17,201.8	5,153.8	0.0

THE CITY OF THUNDER BAY 2023 CAPITAL PROGRAM SUMMARY (\$000'S)

		METHOD OF FINANCING						
Page Number	DEPARTMENT / DIVISION	GROSS TOTAL	REVENUE	DEBENTURE	RESERVE	SUBSIDY	FEES	OTHER
	<u>Tax Supported</u>							
	Outside Boards & Other Agencies							
15	Thunder Bay Police Service	2,188.7	2,188.7	0.0	0.0	0.0	0.0	0.0
16	Parking Authority	494.9	53.9	0.0	0.0	0.0	441.0	0.0
16	Thunder Bay Public Library	765.0	765.0	0.0	0.0	0.0	0.0	0.0
		3,448.6	3,007.6	0.0	0.0	0.0	441.0	0.0
	TOTAL TAX SUPPORTED	66,944.7	18,264.9	12,004.4	25,176.3	9,306.7	441.0	1,751.4
	<u>Rate Supported</u>							
17	Solid Waste (Landfill)	1,824.4	0.0	0.0	0.0	0.0	1,824.4	0.0
18 - 19	Wastewater	11,243.6	0.0	3,000.0	0.0	742.0	6,555.6	946.0
20	Prince Arthur's Landing & Boaters Services	60.0	0.0	0.0	0.0	0.0	60.0	0.0
21 - 23	Waterworks	11,482.3	0.0	4,200.0	0.0	0.0	7,282.3	0.0
	TOTAL RATE SUPPORTED	24,610.3	0.0	7,200.0	0.0	742.0	15,722.3	946.0
	GRAND TOTAL	91,555.0	18,264.9	19,204.4	25,176.3	10,048.7	16,163.3	2,697.4

THE CITY OF THUNDER BAY
2023 CAPITAL PROGRAM DETAILS (\$000'S)

		METHOD OF FINANCING						
DESCRIPTION		GROSS TOTAL	REVENUE	DEBENTURE	RESERVE	SUBSIDY	FEES	OTHER
General								
Clean Green and Beautiful								
GEN-CGB-230001	Waterfront Trail - Image Route							
GEN-CGB-230002	Memorial Garden - Image Route	75.0	0.0	0.0	75.0	*	0.0	0.0
GEN-CGB-230003	Healing Garden - Image Route	50.0	0.0	0.0	50.0	*	0.0	0.0
GEN-CGB-230004	Public Art	10.0	0.0	0.0	10.0	*	0.0	0.0
GEN-CGB-230005	Awards & Promotion	15.0	0.0	0.0	15.0	*	0.0	0.0
GEN-CGB-230006	Emerging Projects	10.0	0.0	0.0	10.0	*	0.0	0.0
		60.0	0.0	0.0	60.0	*	0.0	0.0
Grand Total Clean Green and Beautiful		220.0	0.0	0.0	220.0	0.0	0.0	0.0
* Clean Green & Beautiful Reserve Fund \$220.0								
City Manager's Office								
Office of the City Clerk								
CMO-CLK-230001	AODA - Legislative Compliance	200.0	200.0	0.0	0.0	0.0	0.0	0.0
CMO-CLK-230002	Work Assist Vehicle	40.0	40.0	0.0	0.0	0.0	0.0	0.0
CMO-CLK-230003	Addition to the Harry Kirk Archives & Records Centre	500.0	0.0	0.0	500.0	**	0.0	0.0
Total Office of the City Clerk		740.0	240.0	0.0	500.0	0.0	0.0	0.0
** Capital General Reserve Fund \$500.0								
Corporate Strategic Services								
CMO-SIE-230001	Anti-Racism Systemic Review	50.0	50.0	0.0	0.0	0.0	0.0	0.0
Total Corporate Strategic Services		50.0	50.0	0.0	0.0	0.0	0.0	0.0
Human Resources & Corporate Safety								
CMO-HRS-230001	ICIMS Enhancements	30.0	30.0	0.0	0.0	0.0	0.0	0.0
CMO-HRS-230002	SMS External Audit	15.0	15.0	0.0	0.0	0.0	0.0	0.0
CMO-HRS-230003	Noise Dosimeter	14.0	14.0	0.0	0.0	0.0	0.0	0.0
		59.0	59.0	0.0	0.0	0.0	0.0	0.0
Grand Total City Manager`s Office		849.0	349.0	0.0	500.0	0.0	0.0	0.0

**THE CITY OF THUNDER BAY
2023 CAPITAL PROGRAM DETAILS (\$000'S)**

		GROSS TOTAL	METHOD OF FINANCING					
			REVENUE	DEBENTURE	RESERVE	SUBSIDY	FEES	
DESCRIPTION								OTHER
Development & Emergency Services								
Support Services								
DEV-GMO-230001	Asset Maintenance & Replacement	200.0	200.0	0.0	0.0	0.0	0.0	0.0
Total Support Services		200.0	200.0	0.0	0.0	0.0	0.0	0.0
Development Services								
Planning Services								
DEV-PLN-230001	Aerial Photography	100.0	100.0	0.0	0.0	0.0	0.0	0.0
DEV-PLN-230002	Planning Studies	50.0	50.0	0.0	0.0	0.0	0.0	0.0
DEV-PLN-230003	CIP - Community Improvement Plan	100.0	50.0	0.0	0.0	0.0	0.0	50.0
Total Planning Services		250.0	200.0	0.0	0.0	0.0	0.0	50.0
* Community Economic Development Corporation \$50.0								
Realty Services								
DEV-RLT-230001	Victoriaville Demolition - Interior Preparation	4,720.0	0.0	4,720.0	0.0	0.0	0.0	0.0
		4,720.0	0.0	4,720.0	0.0	0.0	0.0	0.0
Licensing & Enforcement								
DEV-LIC-230001	Enforcement Vehicles	106.0	0.0	106.0	0.0	0.0	0.0	0.0
DEV-LIC-230002	Equipment Replacement	22.5	22.5	0.0	0.0	0.0	0.0	0.0
Total Licensing & Enforcement		128.5	22.5	106.0	0.0	0.0	0.0	0.0
Superior North EMS								
DEV-EMS-230002	Vehicle Replacement	700.0	0.0	0.0	700.0	**	0.0	0.0
DEV-EMS-230003	Computer Replacement	135.4	0.0	0.0	135.4	**	0.0	0.0
DEV-EMS-230004	Training Equipment	25.0	0.0	0.0	25.0	**	0.0	0.0
Total Superior North EMS		860.4	0.0	0.0	860.4		0.0	0.0
** EMS Vehicle & Equipment Reserve Fund \$860.4								
Thunder Bay Fire Rescue								
DEV-FIR-230001	Utility Vehicle	80.0	0.0	80.0	0.0	0.0	0.0	0.0
DEV-FIR-230002	Personal Protective Equipment	120.0	120.0	0.0	0.0	0.0	0.0	0.0
DEV-FIR-230003	Specialized Rescue Equipment	100.0	44.8	0.0	55.3	***	0.0	0.0
DEV-FIR-230004	Pumper / Rescue	400.0	0.0	400.0	0.0	0.0	0.0	0.0
DEV-FIR-230005	Training Centre	55.0	0.0	0.0	55.0	****	0.0	0.0
Total Thunder Bay Fire Rescue		755.0	164.8	480.0	110.3	0.0	0.0	0.0
*** Fire Equipment Reserve Fund \$55.3								
**** Fire Training Centre Capital Reserve Fund \$55.0								
Grand Total Development & Emergency Services		6,913.9	587.3	5,306.0	970.7	0.0	0.0	50.0

THE CITY OF THUNDER BAY
2023 CAPITAL PROGRAM DETAILS (\$000'S)

		METHOD OF FINANCING						
DESCRIPTION		GROSS TOTAL	REVENUE	DEBENTURE	RESERVE	SUBSIDY	FEES	OTHER
Community Services								
Asset Management								
Asset Renewal - Municipal and Board Facilities								
COM-FFE-230101-1	Corporate Buildings	269.0	269.0	0.0	0.0	0.0	0.0	0.0
COM-FFE-230101-2	Operational Buildings	458.7	458.7	0.0	0.0	0.0	0.0	0.0
COM-FFE-230101-6	Arena & Stadia Facilities	1,118.0	0.0	238.0	0.0	880.0	***	0.0
COM-FFE-230101-7	Aquatic Facilities & Canda Games Complex	3,474.4	150.0	1,156.9	0.0	2,167.5	***	0.0
COM-FFE-230101-8	Community Centre Facilities	239.8	239.8	0.0	0.0	0.0	0.0	0.0
COM-FFE-230101-10	Fire Services Facilities	65.0	65.0	0.0	0.0	0.0	0.0	0.0
COM-FFE-230101-11	Parks Facilities	393.0	93.0	300.0	0.0	0.0	0.0	0.0
COM-FFE-230101-14	Transit Facilities	744.0	129.0	0.0	0.0	615.0	****	0.0
COM-FFE-230101-16	Child Care Facilities	310.0	310.0	0.0	0.0	0.0	0.0	0.0
COM-FFE-230103-1	Whalen Building	280.0	0.0	0.0	280.0	*	0.0	0.0
COM-FFE-230118-1	Energy Management Initiatives - Net Zero Audits	45.0	0.0	0.0	45.0	**	0.0	0.0
Total Asset Renewal		7,396.9	1,714.5	1,694.9	325.0	3,662.5	0.0	0.0

* Whalen Building Reserve Fund \$280.0
** Corporate Energy Reserve Fund \$45.0
*** Green & Inclusive Community Buildings Program \$3,047.5
**** Investing in Canada Infrastructure Program \$615

**THE CITY OF THUNDER BAY
2023 CAPITAL PROGRAM DETAILS (\$000'S)**

		METHOD OF FINANCING						
	DESCRIPTION	GROSS TOTAL	REVENUE	DEBENTURE	RESERVE	SUBSIDY	FEES	OTHER
Community Services								
Asset Management								
	Fleet Replacement							
COM-FFE-230207-1	Fleet - Roads & Parks	2,900.2	2,090.2	810.0	0.0	0.0	0.0	0.0
COM-FFE-230207-2	Fleet - General	154.0	48.0	0.0	0.0	0.0	0.0	106.0 ****
COM-FFE-230207-4	Fleet - Landfill	2,985.1	1,303.7	0.0	996.3 *	0.0	0.0	685.1 ****
COM-FFE-230207-5	Fleet - Wastewater	344.3	0.0	0.0	0.0	0.0	0.0	344.3 ****
COM-FFE-230207-6	Fleet - Waterworks	484.0	0.0	0.0	0.0	0.0	0.0	484.0 ****
COM-FFE-230207-7	Fleet - Transit	1,105.6	0.0	0.0	698.3 **	407.3 ***	0.0	0.0
Total Fleet Replacement		7,973.2	3,441.9	810.0	1,694.6	407.3	0.0	1,619.4
		* Canada Community Building Fund \$996.3 ** Provincial Gas Tax Reserve Fund \$698.3 *** Investing in Canada Infrastructure Program \$407.3 **** Internal Recovery \$1,619.4						
	Facility Services Capital							
COM-FFE-230304-1	Arc Flash / Single Line Diagrams	25.0	25.0	0.0	0.0	0.0	0.0	0.0
COM-FFE-230304-2	Major Component Repair	175.0	175.0	0.0	0.0	0.0	0.0	0.0
COM-FFE-230304-3	Environmental Assessments	40.0	40.0	0.0	0.0	0.0	0.0	0.0
COM-FFE-230304-4	Security Equipment Upgrades & Replacement	20.0	20.0	0.0	0.0	0.0	0.0	0.0
COM-FFE-230304-5	Canada Games Complex / Aquatics Capital Program	140.0	140.0	0.0	0.0	0.0	0.0	0.0
COM-FFE-230304-6	Arenas Capital Program	150.0	150.0	0.0	0.0	0.0	0.0	0.0
Total Facility Services Capital		550.0	550.0	0.0	0.0	0.0	0.0	0.0
Total Asset Management		15,920.1	5,706.4	2,504.9	2,019.6	4,069.8	0.0	1,619.4

THE CITY OF THUNDER BAY
2023 CAPITAL PROGRAM DETAILS (\$000'S)

		METHOD OF FINANCING						
DESCRIPTION		GROSS TOTAL	REVENUE	DEBENTURE	RESERVE	SUBSIDY	FEES	OTHER
Community Services								
Transit Services								
Transit Infrastructure - Terminals and Stops								
COM-TRN-230002-1	Bus Shelter Replacement	40.0	40.0	0.0	0.0	0.0	0.0	0.0
COM-TRN-230002-2	Accessible Stop improvements	60.0	60.0	0.0	0.0	0.0	0.0	0.0
COM-TRN-230002-3	Bus Stop Improvements	600.0	0.0	0.0	600.0	*	0.0	0.0
Total Transit Services		700.0	100.0	0.0	600.0	0.0	0.0	0.0
* Provincial Gas Tax Reserve Fund \$600.0								
Recreation & Culture								
COM-REC-230001-3-1	55+ Infrastructure & Equipment Renewal	10.0	10.0	0.0	0.0	0.0	0.0	0.0
COM-REC-230001-3-2	Aquatics & Wellness Equipment Renewal	20.0	20.0	0.0	0.0	0.0	0.0	0.0
COM-REC-230001-3-3	Community Centre Infrastructure & Equipment Renewal	10.0	10.0	0.0	0.0	0.0	0.0	0.0
COM-REC-230001-3-4	Canada Games Complex Timing Clock & Scoreboard	55.2	0.0	0.0	55.2	**	0.0	0.0
COM-REC-230001-3-5	Public Art - Maintenance & Minor Projects	10.0	10.0	0.0	0.0	0.0	0.0	0.0
COM-REC-230001-3-6	Event Equipment Renewal	25.0	0.0	0.0	25.0	**	0.0	0.0
Total Recreation & Culture		130.2	50.0	0.0	80.2	0.0	0.0	0.0
** Municipal Accommodation Tax Reserve Fund \$80.2								
Central Support								
COM-CEN-230001-1	Child Care Equipment & Infrastructure	17.0	12.0	0.0	0.0	0.0	0.0	5.0 ***
COM-CEN-230001-2	CS Playground Renewal	50.0	18.0	0.0	0.0	0.0	0.0	32.0 ****
Total Central Support		67.0	30.0	0.0	0.0	0.0	0.0	37.0
*** District of Thunder Bay Social Services Administration Board \$5.0								
**** Capital Carryforward Funds \$32.0								
Grand Total for Community Services		16,817.3	5,886.4	2,504.9	2,699.8	4,069.8	0.0	1,656.4

**THE CITY OF THUNDER BAY
2023 CAPITAL PROGRAM DETAILS (\$000'S)**

		GROSS TOTAL	METHOD OF FINANCING					
			REVENUE	DEBENTURE	RESERVE	SUBSIDY	FEES	OTHER
Corporate Services & Long Term Care								
Corporate Information Technology								
CSL-CIT-230001	IT Digital Strategy Projects	710.7	710.7	0.0	0.0	0.0	0.0	0.0
CSL-CIT-230002	ERP Upgrade / Ongoing Enhancements	1,547.0	0.0	0.0	1,547.0	*	0.0	0.0
CSL-CIT-230003	Computers & Peripherals	1,600.0	0.0	0.0	1,600.0	*	0.0	0.0
CSL-CIT-230004	Computer Network & Software Infrastructure	57.0	0.0	0.0	57.0	*	0.0	0.0
Total Corporate Information Technology		3,914.7	710.7	0.0	3,204.0	0.0	0.0	0.0
* CIT Capital Reserve Fund \$3,204.0								
Financial Services								
CSL-FIN-230001	Fuel Dispenser Replacement	400.0	0.0	20.0	380.0	**/**	0.0	0.0
Total Financial Services		400.0	0.0	20.0	380.0	0.0	0.0	0.0
** Capital Transit Reserve Fund \$320.0								
*** Fuel Farm Reserve Fund \$60.0								
Revenue								
CSL-REV-230001	Tax Billing & Payment Software	530.0	530.0	0.0	0.0	0.0	0.0	0.0
CSL-REV-230002	Water Meter Reading System	45.0	0.0	0.0	0.0	0.0	0.0	45.0
Total Revenue		575.0	530.0	0.0	0.0	0.0	0.0	45.0
**** Expense Recovery \$45.0								
LT Care & Senior Services - Pioneer Ridge & Jasper Apartments								
CSL-HOM-230001	Pioneer Resident Lifts	15.0	15.0	0.0	0.0	0.0	0.0	0.0
CSL-HOM-230002	Pioneer Electric Beds	25.0	25.0	0.0	0.0	0.0	0.0	0.0
CSL-HOM-230003	Pioneer Environmental Equipment Replacement	20.0	20.0	0.0	0.0	0.0	0.0	0.0
CSL-HOM-230005	Pioneer Facility Renewal	200.0	200.0	0.0	0.0	0.0	0.0	0.0
CSL-HOM-230006	Pioneer Kitchen Equipment	70.0	70.0	0.0	0.0	0.0	0.0	0.0
CSL-HOM-230007	Pioneer Technology Advancements	20.0	20.0	0.0	0.0	0.0	0.0	0.0
CSL-HOM-230009	Pioneer Nurse Call Bell System	100.0	100.0	0.0	0.0	0.0	0.0	0.0
CSL-HOM-230011	Pioneer Bathing Equipment	40.0	40.0	0.0	0.0	0.0	0.0	0.0
CSL-HOM-230013	Pioneer Paved Surface Restoration	100.0	100.0	0.0	0.0	0.0	0.0	0.0
CSL-HOM-230017	Resident Care Equipment	30.0	30.0	0.0	0.0	0.0	0.0	0.0
CSL-HOM-230019	Pioneer Structural Compliance	100.0	100.0	0.0	0.0	0.0	0.0	0.0
CSL-HOM-230021	IPAC Minor Capital Project (Grant)	83.2	0.0	0.0	0.0	83.2	*****	0.0
Total LT Care & Senior Services - Pioneer Ridge & Jasper Apartments		803.2	720.0	0.0	0.0	83.2	0.0	0.0
***** Ministry of Long-Term Care \$83.2								
Grand Total Corporate Services & Long Term Care		5,692.9	1,960.7	20.0	3,584.0	83.2	0.0	45.0

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2023 CAPITAL PROGRAM DETAILS (\$000'S)

		METHOD OF FINANCING						
DESCRIPTION		GROSS TOTAL	REVENUE	DEBENTURE	RESERVE	SUBSIDY	FEES	OTHER
Infrastructure & Operations								
Environment								
Storm Sewers								
IOT-ENV-230001-ST-01	Storm Sewer Inspections	199.0	9.0	0.0	190.0	*	0.0	0.0
IOT-ENV-230001-ST-02	Trunk Ditching Rural Wards	130.0	130.0	0.0	0.0		0.0	0.0
IOT-ENV-230001-ST-03	Low Impact Development Stormwater Facilities	550.0	0.0	50.0	300.0	**	200.0	0.0
IOT-ENV-230001-ST-04	Residential Drainage Assistance Program	117.2	117.2	0.0	0.0		0.0	0.0
IOT-ENV-230001-ST-05	Storm Sewer Infrastructure - Intercity Priorities	646.0	36.0	0.0	350.0	**	260.0	0.0
IOT-ENV-230001-ST-06	Local Drainage Improvements	150.0	150.0	0.0	0.0		0.0	0.0
IOT-ENV-230001-ST-07	Rehabilitation / Replacement Unspecified	285.0	168.7	116.3	0.0		0.0	0.0
IOT-ENV-230001-ST-08	Outfall Repairs	50.0	50.0	0.0	0.0		0.0	0.0
IOT-ENV-230001-ST-09	Storm Sewer Lining	1,200.0	0.0	200.0	1,000.0	*	0.0	0.0
IOT-ENV-230001-ST-10	Lar-Den Court - Mid-Block to Outfall	50.0	10.0	0.0	40.0	*	0.0	0.0
IOT-ENV-230001-ST-11	Tupper St - Duke St to High St	100.0	0.0	10.0	50.0	**	40.0	0.0
IOT-ENV-230001-ST-12	Skyline Ave & Valley St - Drainage Improvements	80.0	20.0	0.0	60.0	*	0.0	0.0
IOT-ENV-230001-ST-13	Excess Soil Regulatory Requirements	15.0	15.0	0.0	0.0		0.0	0.0
IOT-ENV-230001-ST-14	Boulevard Dam Operating Equipment	300.0	300.0	0.0	0.0		0.0	0.0
IOT-ENV-230003-SW-01	Organics Program	100.0	0.0	0.0	100.0	***	0.0	0.0
IOT-ENV-230003-SW-02	Hazardous Waste Facility Upgrades	93.5	93.5	0.0	0.0		0.0	0.0
IOT-ENV-230003-SW-03	Solid Waste Management Strategy Initiatives	79.4	79.4	0.0	0.0		0.0	0.0
Total Environment		4,145.1	1,178.8	376.3	2,090.0	500.0	0.0	0.0

* Canada Community Building Fund Reserve Fund \$1,290.0
** Ontario Community Infrastructure Fund Reserve Fund \$700.0
*** Capital General Reserve Fund \$100.0
**** Disaster Mitigation & Adaptation Funding \$500.0

THE CITY OF THUNDER BAY
2023 CAPITAL PROGRAM DETAILS (\$000'S)

		METHOD OF FINANCING						
DESCRIPTION		GROSS TOTAL	REVENUE	DEBENTURE	RESERVE	SUBSIDY	FEES	OTHER
Infrastructure & Operations								
Engineering								
Professional Fees, Studies & Misc.								
IOT-ENG-230001-PF-01	Pre-Engineering Field Services	15.0	15.0	0.0	0.0	0.0	0.0	0.0
IOT-ENG-230001-PF-02	Property Acquisition & Legal	45.0	45.0	0.0	0.0	0.0	0.0	0.0
IOT-ENG-230001-PF-03	Engineering Traffic Studies	50.0	50.0	0.0	0.0	0.0	0.0	0.0
IOT-ENG-230001-PF-04	Active Transportation Plan	150.0	150.0	0.0	0.0	0.0	0.0	0.0
IOT-ENG-230001-PF-05	Boulevard Operating Studies / Approvals	168.0	100.0	0.0	0.0	68.0	*	0.0
IOT-ENG-230001-PF-06	Environmental Assessments	150.0	150.0	0.0	0.0	0.0	0.0	0.0
IOT-ENG-230001-PF-07	Public Education	9.0	9.0	0.0	0.0	0.0	0.0	0.0
Total Engineering		587.0	519.0	0.0	0.0	68.0	0.0	0.0

* Disaster Mitigation & Adaptation Funding \$68.0

Roads								
Bridges & Culverts								
IOT-RDS-230001-BR-01	Culvert Replacement Program	200.0	200.0	0.0	0.0	0.0	0.0	0.0
IOT-RDS-230001-BR-02	Pedestrian Bridge Rehabilitation & Replacement	200.0	0.0	200.0	0.0	0.0	0.0	0.0
IOT-RDS-230001-BR-03	Vickers Carrick Multi-Use Trail Bridge	175.0	35.0	0.0	140.0	**	0.0	0.0
IOT-RDS-230001-BR-04	McKellar Bridge Deck Replacement	500.0	0.0	50.0	450.0	**	0.0	0.0
Total Bridges & Culverts		1,075.0	235.0	250.0	590.0	0.0	0.0	0.0

** Candada Community Building Fund Reserve Fund \$590.0

**THE CITY OF THUNDER BAY
2023 CAPITAL PROGRAM DETAILS (\$000'S)**

		METHOD OF FINANCING						
		GROSS TOTAL	REVENUE	DEBENTURE	RESERVE	SUBSIDY	FEES	OTHER
Infrastructure & Operations								
Roads								
	Pavement Rehabilitation							
IOT-RDS-230003-AR-01	Asphalt - Pavement Management	150.0	150.0	0.0	0.0	0.0	0.0	0.0
IOT-RDS-230003-AR-02	Guide Rails / Retaining Walls	50.0	50.0	0.0	0.0	0.0	0.0	0.0
IOT-RDS-230003-AR-03	Asphalt - Miscellaneous Patching	550.0	550.0	0.0	0.0	0.0	0.0	0.0
IOT-RDS-230003-AR-04	Asphalt - Surface Seal / Crack Seal	250.0	250.0	0.0	0.0	0.0	0.0	0.0
IOT-RDS-230003-AR-05	Rail Crossing Improvements	200.0	200.0	0.0	0.0	0.0	0.0	0.0
IOT-RDS-230003-AR-06	Enhanced Residential Road Work	642.0	0.0	92.0	550.0	*	0.0	0.0
IOT-RDS-230003-AR-07	Chipseal Roads	150.0	20.0	0.0	130.0	*	0.0	0.0
IOT-RDS-230003-AR-08	Pavement Rehabilitation Forecasting	200.0	0.0	200.0	0.0	0.0	0.0	0.0
IOT-RDS-230003-AR-09	Asphalt Enhanced Pavement Management	180.0	180.0	0.0	0.0	0.0	0.0	0.0
IOT-RDS-230003-AR-10	Hot-in-Place Asphalt Recycling	800.0	100.0	0.0	700.0	*	0.0	0.0
IOT-RDS-230003-AR-11	Cumberland St - Tupper St to Mcvicar Creek	400.0	0.0	80.0	320.0	*	0.0	0.0
IOT-RDS-230003-AR-12	Memorial Ave - Harbour Expressway to Central Ave	1,300.0	0.0	200.0	1,100.0	**	0.0	0.0
IOT-RDS-230003-AR-13	Dawson Rd - Ada Ave to Hunter Rd	1,500.0	0.0	100.0	1,000.0	**	400.0	0.0
IOT-RDS-230003-AR-14	Court St - Lincoln St to Red River Rd	1,000.0	0.0	200.0	800.0	**	0.0	0.0
IOT-RDS-230003-AR-15	Arthur St - Mountdale Ave to HWY 61	900.0	0.0	180.0	720.0	*	0.0	0.0
IOT-RDS-230003-AR-16	Crown St - Cornwall Ave to John St	300.0	0.0	50.0	250.0	*	0.0	0.0
IOT-RDS-230003-AR-17	Brock St - Heath St to Edward St	375.0	0.0	75.0	300.0	*	0.0	0.0
IOT-RDS-230003-AR-18	Mapleward Rd - John St to Landfill	650.0	0.0	130.0	520.0	*/**	0.0	0.0
Total Pavement Rehabilitation		9,597.0	1,500.0	1,307.0	6,390.0	400.0	0.0	0.0

* Canada Community Building Fund Reserve Fund \$2,990.0

** Ontario Community Infrastructure Fund Reserve Fund \$3,400.0

*** Northern Ontario Resource Development Support Fund \$400.0

THE CITY OF THUNDER BAY
2023 CAPITAL PROGRAM DETAILS (\$000'S)

		METHOD OF FINANCING							
DESCRIPTION		GROSS TOTAL	REVENUE	DEBENTURE	RESERVE	SUBSIDY	FEES	OTHER	
Infrastructure & Operations									
Roads									
Rural Roads									
IOT-RDS-230005-RU-01	Rural Roads Granular Upgrades	125.0	125.0	0.0	0.0	0.0	0.0	0.0	
Total Rural Roads		125.0	125.0	0.0	0.0	0.0	0.0	0.0	
Sidewalk Replacements									
IOT-RDS-230006-SR-01	Sidewalk Rehab Alternatives	97.3	97.3	0.0	0.0	0.0	0.0	0.0	
IOT-RDS-230006-SR-02	Accessibility Sidewalk Ramp - North	32.4	32.4	0.0	0.0	0.0	0.0	0.0	
IOT-RDS-230006-SR-03	Accessibility Sidewalk Ramp - South	32.4	32.4	0.0	0.0	0.0	0.0	0.0	
IOT-RDS-230006-SR-04	Unspecified for Forecasting	225.4	0.0	41.4	184.0	*	0.0	0.0	
IOT-RDS-230006-SR-05	Francis St - S/S Edward St to Ford St	120.0	0.0	20.0	100.0	*	0.0	0.0	
IOT-RDS-230006-SR-06	Brock N/S-Edward St to Brown St	70.0	0.0	14.0	56.0	*	0.0	0.0	
IOT-RDS-230006-SR-07	Francis St - N/S Edward St to Brown St	120.0	0.0	20.0	100.0	*	0.0	0.0	
Total Sidewalk Replacements		697.5	162.1	95.4	440.0	0.0	0.0	0.0	
* Canada Community Building Fund Reserve Fund \$440.0									
Sidewalks - New									
IOT-RDS-230008-SN-01	Sidewalks - New	1,134.8	0.0	25.0	150.0	**	959.8	***	0.0
IOT-RDS-230008-SN-02	Wardrobe Ave-N/S Hilldale Rd - Emerald Dr	75.0	0.0	15.0	60.0	***	0.0	0.0	0.0
Total Sidewalks - New		1,209.8	0.0	40.0	210.0		959.8	0.0	0.0
** Canada Building Community Fund Reserve Fund \$210.0									
*** Investing in Canada Infrastructure Program \$959.8									

THE CITY OF THUNDER BAY
2023 CAPITAL PROGRAM DETAILS (\$000'S)

		METHOD OF FINANCING							
DESCRIPTION		GROSS TOTAL	REVENUE	DEBENTURE	RESERVE	SUBSIDY		FEES	OTHER
Infrastructure & Operations									
Roads									
Street Lighting									
IOT-RDS-230010-SL-01	Underground Upgrade Program	140.0	140.0	0.0	0.0		0.0	0.0	0.0
IOT-RDS-230010-SL-02	System Upgrading Program	130.0	130.0	0.0	0.0		0.0	0.0	0.0
IOT-RDS-230010-SL-03	Pole Replacement Program	80.0	80.0	0.0	0.0		0.0	0.0	0.0
IOT-RDS-230010-SL-04	Underground Duct Replacement for Sidewalks & Roads	100.0	100.0	0.0	0.0		0.0	0.0	0.0
IOT-RDS-230010-SL-05	Synergy Permitting Costs	5.0	5.0	0.0	0.0		0.0	0.0	0.0
IOT-RDS-230010-SL-06	Fault Repairs	20.0	20.0	0.0	0.0		0.0	0.0	0.0
IOT-RDS-230010-SL-07	Unspecified Reconstruction	0.0	0.0	0.0	0.0		0.0	0.0	0.0
IOT-RDS-230010-SL-08	LED Control System Upgrade	60.0	60.0	0.0	0.0		0.0	0.0	0.0
IOT-RDS-230010-SL-09	Riverview Dr - Edward St to Ford St	100.0	0.0	100.0	0.0		0.0	0.0	0.0
IOT-RDS-230010-SL-10	Red River Road - Court St to Cumberland St	200.0	0.0	40.0	160.0	*	0.0	0.0	0.0
IOT-RDS-230010-SL-11	Court St - Lincoln St to Red River Rd	100.0	0.0	20.0	80.0	*	0.0	0.0	0.0
IOT-RDS-230010-SL-12	Brock St - Heath St to Edward St	150.0	0.0	30.0	120.0	**	0.0	0.0	0.0
Total Traffic Signals		1,085.0	535.0	190.0	360.0		0.0	0.0	0.0

THE CITY OF THUNDER BAY
2023 CAPITAL PROGRAM DETAILS (\$000'S)

		METHOD OF FINANCING						
	DESCRIPTION	GROSS TOTAL	REVENUE	DEBENTURE	RESERVE	SUBSIDY	FEES	OTHER
Infrastructure & Operations								
Roads								
	Traffic Signals							
IOT-RDS-230007-TS-01	Controller Upgrading Program	108.7	108.7	0.0	0.0	0.0	0.0	0.0
IOT-RDS-230007-TS-02	Detection Program	80.0	80.0	0.0	0.0	0.0	0.0	0.0
IOT-RDS-230007-TS-03	Audible Pedestrian Signals	25.0	0.0	25.0	0.0	0.0	0.0	0.0
IOT-RDS-230007-TS-04	Signal Upgrading Program	20.0	20.0	0.0	0.0	0.0	0.0	0.0
IOT-RDS-230007-TS-05	Pedestrian Crossovers	200.0	0.0	100.0	0.0	100.0	**	0.0
IOT-RDS-230007-TS-06	Traffic Calming	100.0	100.0	0.0	0.0	0.0	0.0	0.0
IOT-RDS-230007-TS-07	Harbour Expressway & Memorial Ave	300.0	0.0	60.0	240.0	*	0.0	0.0
IOT-RDS-230007-TS-08	Court St & Park Ave	250.0	0.0	50.0	200.0	*	0.0	0.0
IOT-RDS-230007-TS-09	Traffic Signal Removal	25.0	25.0	0.0	0.0	0.0	0.0	0.0
IOT-RDS-230007-TS-10	Traffic Signal Communications	1,000.0	0.0	1,000.0	0.0	0.0	0.0	0.0
IOT-RDS-230007-TS-11	Red River Rd - Court St / Mall / Cumberland St	550.0	0.0	110.0	440.0	*	0.0	0.0
Total Street Lighting		2,658.7	333.7	1,345.0	880.0	100.0	0.0	0.0
* Ontario Community Infrastructure Fund Reserve Fund \$880.0 ** Investing in Canada Infrastructure Program \$100.0								
Other								
IOT-RDS-230011	Weather Station - Balmoral St /Harbour Expressway	8.8	8.8	0.0	0.0	0.0	0.0	0.0
		8.8	8.8	0.0	0.0	0.0	0.0	0.0
Total Roads		22,706.8	2,899.6	3,457.4	13,890.0	2,459.8	0.0	0.0

THE CITY OF THUNDER BAY
2023 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-230001-GP-01	Lighting & Electrical Upgrading	200.0	200.0	0.0	0.0		0.0	0.0	0.0
IOT-PKS-230001-GP-02	Parks - Maintenance & Upgrades	90.0	90.0	0.0	0.0		0.0	0.0	0.0
IOT-PKS-230001-GP-03	Parks Asset Data Maintenance	25.0	25.0	0.0	0.0		0.0	0.0	0.0
IOT-PKS-230001-GP-04	Playground Equipment & Structures	700.0	137.7	0.0	562.3	*	0.0	0.0	0.0
IOT-PKS-230001-GP-05	Historical Artifact Maintenance	50.0	50.0	0.0	0.0		0.0	0.0	0.0
IOT-PKS-230001-GP-06	Priority Infrastructure Renewal	66.4	66.4	0.0	0.0		0.0	0.0	0.0
IOT-PKS-230001-GP-07	Amusement Rides	50.0	0.0	0.0	50.0	**	0.0	0.0	0.0
IOT-PKS-230001-GP-08	Parking Lots & Access Roads	2,912.6	108.3	108.3	570.0	**	2,126.0	***	0.0
Total Parks Renewal Program		4,094.0	677.4	108.3	1,182.3		2,126.0	0.0	0.0
					* Canada Community Building Fund Reserve Fund \$562.3				
					** Municipal Accommodation Tax Reserve Fund \$620.0				
					*** Investing in Canada Infrastructure Program \$2,126.0				
Sport Field Renewal									
IOT-PKS-230002-AS-01	Baseball Diamonds	70.0	70.0	0.0	0.0		0.0	0.0	0.0
IOT-PKS-230002-AS-02	Tennis & Pickleball Courts	25.0	25.0	0.0	0.0		0.0	0.0	0.0
IOT-PKS-230002-AS-03	Soccer Fields	30.0	30.0	0.0	0.0		0.0	0.0	0.0
IOT-PKS-230002-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
2023 CAPITAL PROGRAM DETAILS (\$000'S)

		METHOD OF FINANCING						
DESCRIPTION		GROSS TOTAL	REVENUE	DEBENTURE	RESERVE	SUBSIDY	FEES	OTHER
Infrastructure & Operations								
Parks								
	Recreation Trails							
IOT-PKS-230003-RT-01	Trail Construction	502.6	231.6	231.6	39.5	*	0.0	0.0
Total Recreation Trails		502.6	231.6	231.6	39.5	0.0	0.0	0.0
* Recreation Trail Reserve Fund \$39.5								
Maintenance Equipment - Parks								
IOT-PKS-230004-ME-01	Small Equipment	130.0	130.0	0.0	0.0	0.0	0.0	0.0
Total Maintenance Equipment - Parks		130.0	130.0	0.0	0.0	0.0	0.0	0.0
Urban Forest Program								
IOT-PKS-230005-UF-01	Tree Planting Program	120.0	120.0	0.0	0.0	0.0	0.0	0.0
IOT-PKS-230005-UF-02	Urban Forest Stewardship	99.6	99.6	0.0	0.0	0.0	0.0	0.0
IOT-PKS-230005-UF-04	Emerald Ash Borer Response	348.0	348.0	0.0	0.0	0.0	0.0	0.0
Total Urban Forest Program		567.6	567.6	0.0	0.0	0.0	0.0	0.0
Golf Course Asset Renewal								
IOT-PKS-230006-GO-01	Equipment Replacement and Renewal	95.0	95.0	0.0	0.0	0.0	0.0	0.0
IOT-PKS-230006-GO-02	Grounds Rehabilitation Program	30.0	30.0	0.0	0.0	0.0	0.0	0.0
Total Golf Course Asset Renewal		125.0	125.0	0.0	0.0	0.0	0.0	0.0
Total Parks		5,564.2	1,876.6	339.9	1,221.8	2,126.0	0.0	0.0
Grand Total Infrastructure & Operations		33,003.1	6,473.9	4,173.5	17,201.8	5,153.8	0.0	0.0

THE CITY OF THUNDER BAY
2023 CAPITAL PROGRAM DETAILS (\$000'S)

		METHOD OF FINANCING						
DESCRIPTION		GROSS TOTAL	REVENUE	DEBENTURE	RESERVE	SUBSIDY	FEES	OTHER
Outside Boards & Other Agencies								
Thunder Bay Police Services								
OSB-POL-230000-01	Emergency Task Unit Equipment	236.7	236.7	0.0	0.0	0.0	0.0	0.0
OSB-POL-230000-02	Armoury	102.4	102.4	0.0	0.0	0.0	0.0	0.0
OSB-POL-230000-03	Soft Body Armour	57.4	57.4	0.0	0.0	0.0	0.0	0.0
OSB-POL-230000-04	Furniture Replacement	82.5	82.5	0.0	0.0	0.0	0.0	0.0
OSB-POL-230000-05	Investigative Equipment	9.4	9.4	0.0	0.0	0.0	0.0	0.0
OSB-POL-230000-06	Computer System Maintenance	299.3	299.3	0.0	0.0	0.0	0.0	0.0
OSB-POL-230000-07	Police Vehicle Replacement	620.3	620.3	0.0	0.0	0.0	0.0	0.0
OSB-POL-230000-08	Cameras - In Car & Body Worn	451.5	451.5	0.0	0.0	0.0	0.0	0.0
OSB-POL-230000-09	Training Equipment / Ammunition	214.6	214.6	0.0	0.0	0.0	0.0	0.0
OSB-POL-230000-10	Forensics Equipment	15.1	15.1	0.0	0.0	0.0	0.0	0.0
OSB-POL-230000-11	Cyber Crime Equipment	36.3	36.3	0.0	0.0	0.0	0.0	0.0
OSB-POL-230000-12	Uniform Patrol Equipment	18.2	18.2	0.0	0.0	0.0	0.0	0.0
OSB-POL-230000-13	Traffic Management Equipment	35.9	35.9	0.0	0.0	0.0	0.0	0.0
OSB-POL-230000-14	Community Outreach Equipment	1.7	1.7	0.0	0.0	0.0	0.0	0.0
OSB-POL-230000-15	Property & Stores Equipment	7.4	7.4	0.0	0.0	0.0	0.0	0.0
Total Thunder Bay Police Services		2,188.7	2,188.7	0.0	0.0	0.0	0.0	0.0

THE CITY OF THUNDER BAY
2023 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-230001-01	Parking Financial Plan	53.9	53.9	0.0	0.0	0.0	0.0	0.0
OSB-PKG-230002-01	Parking Meters	20.0	0.0	0.0	0.0	0.0	20.0 *	0.0
OSB-PKG-230003-01	Waterfront District Parkade	218.0	0.0	0.0	0.0	0.0	218.0 *	0.0
OSB-PKG-230004-01	Victoria Parkade Repairs	153.0	0.0	0.0	0.0	0.0	153.0 *	0.0
OSB-PKG-230005-01	Waterfront Parkade Condition Survey	50.0	0.0	0.0	0.0	0.0	50.0 *	0.0
Total Parking Authority		494.9	53.9	0.0	0.0	0.0	441.0	0.0
* Parking Internal Debenture \$441.0								
Thunder Bay Public Library								
OSB-LIB-230001	Thunder Bay Public Library Capital	765.0	765.0	0.0	0.0	0.0	0.0	0.0
Total Thunder Bay Public Library		765.0	765.0	0.0	0.0	0.0	0.0	0.0
Total Outside Boards & Agencies		3,448.6	3,007.6	0.0	0.0	0.0	441.0	0.0
TOTAL TAX SUPPORTED		66,944.7	18,264.9	12,004.4	25,176.3	9,306.7	441.0	1,751.4

THE CITY OF THUNDER BAY
2023 CAPITAL PROGRAM DETAILS (\$000'S)

		METHOD OF FINANCING						
DESCRIPTION		GROSS TOTAL	REVENUE	DEBENTURE	RESERVE	SUBSIDY	FEES	OTHER
Infrastructure & Operations								
Solid Waste (Landfill)								
Landfill Site								
IOR-SOW-230001-LS-01	Process Improvements	10.6	0.0	0.0	0.0	0.0	10.6	0.0
IOR-SOW-230001-LS-02	Gas System Expansion	105.8	0.0	0.0	0.0	0.0	105.8	0.0
IOR-SOW-230001-LS-03	Landfill - Infrastructure Improvements	105.8	0.0	0.0	0.0	0.0	105.8	0.0
IOR-SOW-230001-LS-04	West Cell Capping	917.1	0.0	0.0	0.0	0.0	917.1	0.0
IOR-SOW-230002-LF-01	Bomag Compactor Refurbishment or Replacement	685.1	0.0	0.0	0.0	0.0	685.1	0.0
Total Landfill Site		1,824.4	0.0	0.0	0.0	0.0	1,824.4	0.0
Total Solid Waste		1,824.4	0.0	0.0	0.0	0.0	1,824.4	0.0

THE CITY OF THUNDER BAY
2023 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-230001-NE-01	Subdivision Oversizing	50.0	0.0	0.0	0.0	0.0	50.0	0.0
IOR-SAN-230001-NE-02	Burwood Trunk Expansion	2,326.0	0.0	270.0	0.0	0.0	1,110.0	946.0
Total Sanitary Sewage System: Network Expansion, Subdivision Oversizing		2,376.0	0.0	270.0	0.0	0.0	1,160.0	946.0
Innovations, Programs & Technological Upgrades								
IOR-SAN-230002-NI-01	Wastewater Innovation Program & Efficiency Initiatives	89.4	0.0	0.0	0.0	0.0	89.4	0.0
IOR-SAN-230002-NI-02	Plant and Program Technology	32.0	0.0	0.0	0.0	0.0	32.0	0.0
IOR-SAN-230002-NI-03	Backflow Preventors - Inventory Replacement	20.0	0.0	0.0	0.0	0.0	20.0	0.0
IOR-SAN-230002-NI-04	Call Centre Phone System	11.6	0.0	0.0	0.0	0.0	11.6	0.0
IOR-SAN-230002-NI-05	Water Meter Reading System	20.5	0.0	0.0	0.0	0.0	20.5	0.0
IOR-SAN-230002-NI-06	Program Service Review - Water & Wastewater Services	40.0	0.0	0.0	0.0	0.0	40.0	0.0
Total Innovations, Programs & Technological Upgrades		213.5	0.0	0.0	0.0	0.0	213.5	0.0
Sanitary Fleet Replacement								
IOR-SAN-230003-FR-01	Vehicle Replacement	344.3	0.0	0.0	0.0	0.0	344.3	0.0
		344.3	0.0	0.0	0.0	0.0	344.3	0.0
Sanitary Sewer System - Sanitary Sewer Rehabilitation								
IOR-SAN-230004-SA-01	Sanitary Sewer Unspecified	574.0	0.0	0.0	0.0	0.0	574.0	0.0
IOR-SAN-230004-SA-02	Sanitary Sewer Inspection	1,000.0	0.0	0.0	0.0	0.0	1,000.0	0.0
IOR-SAN-230004-SA-03	House Lateral Lining	275.0	0.0	0.0	0.0	0.0	275.0	0.0
IOR-SAN-230004-SA-04	Brock St - 100 Block	300.0	0.0	300.0	0.0	0.0	0.0	0.0
IOR-SAN-230004-SA-05	Gertrude Ave - Conmee St to Dead-End	300.0	0.0	300.0	0.0	0.0	0.0	0.0
IOR-SAN-230004-SA-06	Red River Road - Court St to Cumberland St	500.0	0.0	500.0	0.0	0.0	0.0	0.0
IOR-SAN-230004-SA-07	Cameron St - May St to Simpson St	500.0	0.0	500.0	0.0	0.0	0.0	0.0
IOR-SAN-230004-SA-08	Crown St - Cornwall Ave to John St	500.0	0.0	400.0	0.0	0.0	100.0	0.0
IOR-SAN-230004-SA-09	Trunk Sewer Inspections	200.0	0.0	0.0	0.0	0.0	200.0	0.0
Total Sanitary Sewer System - Sanitary Sewer Rehabilitation		4,149.0	0.0	2,000.0	0.0	0.0	2,149.0	0.0

THE CITY OF THUNDER BAY
2023 CAPITAL PROGRAM DETAILS (\$000'S)

		METHOD OF FINANCING						
DESCRIPTION		GROSS TOTAL	REVENUE	DEBENTURE	RESERVE	SUBSIDY	FEES	OTHER
Infrastructure & Operations								
Wastewater								
Water Pollution Control Plant								
IOR-SAN-230005-WP-01	Atlantic Ave - Building & Grounds	473.0	0.0	0.0	0.0	0.0	473.0	0.0
IOR-SAN-230005-WP-02	Atlantic Ave - Electrical	88.0	0.0	0.0	0.0	0.0	88.0	0.0
IOR-SAN-230005-WP-03	Atlantic Ave - HVAC	30.0	0.0	0.0	0.0	0.0	30.0	0.0
IOR-SAN-230005-WP-04	Atlantic Ave - Instrumentation	28.0	0.0	0.0	0.0	0.0	28.0	0.0
IOR-SAN-230005-WP-05	Atlantic Ave - Process	816.0	0.0	0.0	0.0	0.0	816.0	0.0
IOR-SAN-230005-WP-06	Atlantic Ave - Professional Fees	220.0	0.0	0.0	0.0	0.0	220.0	0.0
IOR-SAN-230005-WP-07	Atlantic Ave - Unplanned Repairs	250.8	0.0	0.0	0.0	0.0	250.8	0.0
IOR-SAN-230005-WP-08	Sewage Pumping Stations - All Groups	50.0	0.0	0.0	0.0	0.0	50.0	0.0
Total Water Pollution Control Plant		1,955.8	0.0	0.0	0.0	0.0	1,955.8	0.0
Pollution Prevention Control Plan								
IOR-SAN-230006-PP-01	Storm Separation Unspecified	1,305.0	0.0	400.0	0.0	522.0 *	383.0	0.0
IOR-SAN-230006-PP-02	McIntyre St - Algoma St to Meek St	200.0	0.0	120.0	0.0	80.0 *	0.0	0.0
IOR-SAN-230006-PP-03	Front St - Angus St to City Yard	100.0	0.0	60.0	0.0	40.0 *	0.0	0.0
IOR-SAN-230006-PP-04	Argyle St - Mid-Block to Court St	250.0	0.0	150.0	0.0	100.0 *	0.0	0.0
Total Pollution Prevention Control Plan		1,855.0	0.0	730.0	0.0	742.0	383.0	0.0
* Disaster Mitigation & Adaptation Funding \$742.0								
Professional Fees, Studies & Miscellaneous								
IOR-SAN-230008-PS-01	Pre-Engineering Design for Field Staff	150.0	0.0	0.0	0.0	0.0	150.0	0.0
IOR-SAN-230008-PS-02	Professional Fees for Studies	50.0	0.0	0.0	0.0	0.0	50.0	0.0
IOR-SAN-230008-PS-03	Sanitary Major Systems Study	150.0	0.0	0.0	0.0	0.0	150.0	0.0
Total Professional Fees, Studies & Miscellaneous		350.0	0.0	0.0	0.0	0.0	350.0	0.0
Total Wastewater		11,243.6	0.0	3,000.0	0.0	742.0	6,555.6	946.0

THE CITY OF THUNDER BAY
2023 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-230001-WF-01	Capital Maintenance	60.0	0.0	0.0	0.0	0.0	60.0	0.0
Total Prince Arthur's Landing - Boaters Services		60.0	0.0	0.0	0.0	0.0	60.0	0.0

**THE CITY OF THUNDER BAY
2023 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-230001-TP-01	Bare Point - Professional Fees	200.0	0.0	0.0	0.0	0.0	200.0	0.0
IOR-WAW-230001-TP-02	Bare Point - Unplanned Repairs	230.0	0.0	0.0	0.0	0.0	230.0	0.0
IOR-WAW-230001-TP-03	Bare Point Electrical Upgrades	295.0	0.0	0.0	0.0	0.0	295.0	0.0
IOR-WAW-230001-TP-04	Bare Point - HVAC	40.0	0.0	0.0	0.0	0.0	40.0	0.0
IOR-WAW-230001-TP-05	Bare Point - Instrumentation	75.0	0.0	0.0	0.0	0.0	75.0	0.0
IOR-WAW-230001-TP-06	Bare Point - Process	244.0	0.0	0.0	0.0	0.0	244.0	0.0
IOR-WAW-230001-TP-07	Stations & Reservoirs - HVAC	30.0	0.0	0.0	0.0	0.0	30.0	0.0
IOR-WAW-230001-TP-08	Stations & Reservoirs - Electrical	50.0	0.0	0.0	0.0	0.0	50.0	0.0
IOR-WAW-230001-TP-09	Stations & Reservoir - Process	65.0	0.0	0.0	0.0	0.0	65.0	0.0
IOR-WAW-230001-TP-10	Stations & Reservoir - Instrumentation	38.0	0.0	0.0	0.0	0.0	38.0	0.0
IOR-WAW-230001-TP-11	Stations & Reservoir - Building / Grounds	25.0	0.0	0.0	0.0	0.0	25.0	0.0
Total Capital Works: Treatment Plants, Pump Stations, Reservoirs & Structures		1,292.0	0.0	0.0	0.0	0.0	1,292.0	0.0
Innovations, Programs & Technological Upgrades								
IOR-WAW-230002-NI-01	Water Use Innovation Program	150.0	0.0	0.0	0.0	0.0	150.0	0.0
IOR-WAW-230002-NI-02	Large Water Meter Replacement Program	100.0	0.0	0.0	0.0	0.0	100.0	0.0
IOR-WAW-230002-NI-03	Program Technology & Equipment	20.0	0.0	0.0	0.0	0.0	20.0	0.0
IOR-WAW-230002-NI-04	Water Fill Stations	150.0	0.0	0.0	0.0	0.0	150.0	0.0
IOR-WAW-230002-NI-05	Lead Reduction Program	600.0	0.0	0.0	0.0	0.0	600.0	0.0
IOR-WAW-230002-NI-06	Meter Reading System	24.5	0.0	0.0	0.0	0.0	24.5	0.0
IOR-WAW-230002-NI-07	Program Service Review	40.0	0.0	0.0	0.0	0.0	40.0	0.0
IOR-WAW-230002-NI-08	Call Centre Phone System	13.8	0.0	0.0	0.0	0.0	13.8	0.0
Total Innovations, Programs & Technological Upgrades		1,098.3	0.0	0.0	0.0	0.0	1,098.3	0.0
Waterworks Fleet Replacement								
IOR-WAW-230003-FW-01	Equipment Replacement and Refurbishing	484.0	0.0	0.0	0.0	0.0	484.0	0.0
Total Waterworks Fleet Replacement		484.0	0.0	0.0	0.0	0.0	484.0	0.0

THE CITY OF THUNDER BAY
2023 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-230004-WR-01	Cathodic Protection	100.0	0.0	0.0	0.0	0.0	100.0	0.0
IOR-WAW-230004-WR-02	Kerr Hydrant Replacement	125.0	0.0	0.0	0.0	0.0	125.0	0.0
IOR-WAW-230004-WR-03	Looping Program - Water Quality	75.0	0.0	0.0	0.0	0.0	75.0	0.0
IOR-WAW-230004-WR-04	Cleaning and Cement Mortar Lining	2,500.0	0.0	2,500.0	0.0	0.0	0.0	0.0
IOR-WAW-230004-WR-05	Lead Service Replacement Program	500.0	0.0	0.0	0.0	0.0	500.0	0.0
IOR-WAW-230004-WR-06	Valves & Chambers Program	250.0	0.0	0.0	0.0	0.0	250.0	0.0
IOR-WAW-230004-WR-07	Utility Cut Restoration	100.0	0.0	0.0	0.0	0.0	100.0	0.0
IOR-WAW-230004-WR-08	Unspecified Watermain Replacement	1,013.0	0.0	0.0	0.0	0.0	1,013.0	0.0
IOR-WAW-230004-WR-09	Excess Soil Regulatory	35.0	0.0	0.0	0.0	0.0	35.0	0.0
IOR-WAW-230004-WR-10	Brock St -100 Block	340.0	0.0	0.0	0.0	0.0	340.0	0.0
IOR-WAW-230004-WR-11	Gertrude Ave - Conmee St to Dead-End	350.0	0.0	0.0	0.0	0.0	350.0	0.0
IOR-WAW-230004-WR-12	Cedar Ave - Juniper Dr to Windsor St	800.0	0.0	800.0	0.0	0.0	0.0	0.0
IOR-WAW-230004-WR-13	Red River Rd - Court St to Cumberland St	500.0	0.0	500.0	0.0	0.0	0.0	0.0
IOR-WAW-230004-WR-14	Crown St - Cornwall Ave to John St	600.0	0.0	400.0	0.0	0.0	200.0	0.0
IOR-WAW-230004-WR-15	Cameron St - Simpson St to May St	750.0	0.0	0.0	0.0	0.0	750.0	0.0
IOR-WAW-230004-WR-16	Coady Ave - Coady Pl	75.0	0.0	0.0	0.0	0.0	75.0	0.0
Total Watermain Replacement & Rehabilitation		8,113.0	0.0	4,200.0	0.0	0.0	3,913.0	0.0

THE CITY OF THUNDER BAY
2023 CAPITAL PROGRAM DETAILS (\$000'S)

		METHOD OF FINANCING						
DESCRIPTION		GROSS TOTAL	REVENUE	DEBENTURE	RESERVE	SUBSIDY	FEES	OTHER
Infrastructure & Operations								
Waterworks								
Network Expansion								
IOR-WAW-230005-NE-01	Subdivision Oversizing	130.0	0.0	0.0	0.0	0.0	130.0	0.0
Total Network Expansion		130.0	0.0	0.0	0.0	0.0	130.0	0.0
Professional Fees, Studies & Miscellaneous								
IOR-WAW-230006-PW-01	Pre-Engineering Design - Field Staff	140.0	0.0	0.0	0.0	0.0	140.0	0.0
IOR-WAW-230006-PW-02	Professional Fees for Studies & Misc	175.0	0.0	0.0	0.0	0.0	175.0	0.0
IOR-WAW-230006-PW-03	Water Model Updates	50.0	0.0	0.0	0.0	0.0	50.0	0.0
Total Professional Fees, Studies & Miscellaneous		365.0	0.0	0.0	0.0	0.0	365.0	0.0
Total Waterworks		11,482.3	0.0	4,200.0	0.0	0.0	7,282.3	0.0
TOTAL RATE SUPPORTED		24,610.3	0.0	7,200.0	0.0	742.0	15,722.3	946.0
GRAND TOTAL		91,555.0	18,264.9	19,204.4	25,176.3	10,048.7	16,163.3	2,697.4