

*GREEN ENERGY ACT, 2009*

ENERGY CONSUMPTION AND  
GREENHOUSE GAS EMISSIONS TEMPLATE

CITY OF THUNDER BAY

June 13, 2018

In 2009 the Ministry of Energy and Infrastructure enacted the *Green Energy Act* to help public agencies including municipalities, hospitals, and schools manage and reduce their energy consumption. As part of this Act, Regulation 397/11 requires certain public agencies – municipalities, municipal service boards, school boards, universities, colleges and hospitals – to report on their annual energy consumption and greenhouse gas emissions beginning in 2013. The regulation also requires the development and implementation of conservation and demand management (CDM) plans starting in 2014.

On December 2, 2013 Ontario released its updated Long Term Energy Plan, *Achieving Balance*, outlining a balanced approach to meeting energy needs today and for generations to come. The 2013 Plan is built around five key principles: cost effectiveness; reliability; clean energy; community engagement and putting conservation first. By putting conservation first as one of the five key principles of the Plan, Ontario is ensuring conservation is the first resource considered before building new generation and transmission facilities, wherever cost effective.

As part of the Ministry of Environment and Climate Change, *Climate Change Strategy's* goal to reduce greenhouse gas emissions by 6% below 1990 levels by 2014; 15% by 2020 and 80 % by 2050, energy reporting can assist the boarder public sector in understanding their energy usage to identify energy management opportunities within the organizations' facilities and operations.

O. Reg 397/11 outlines the operations for which the municipality is required to report on its energy use and greenhouse gas emissions and prepare CDM plans. The list of prescribed operations for which the municipality must report are:

- Administrative offices and related facilities including municipal council chambers
- Public libraries
- Cultural facilities, indoor recreational facilities and community centres, including art galleries, performing arts facilities, auditoriums, indoor sports arenas, indoor ice rinks, indoor swimming pools, gyms and indoor courts for playing tennis, basketballs or other sports
- Ambulance stations and associated offices and facilities
- Fire stations and associated offices and facilities
- Police stations and associated offices and facilities
- Storage facilities where equipment or vehicles are maintained, repaired or stored
- Buildings/facilities or facilities related to the treatment or pumping of water or sewage
- Parking garages

Starting in 2015 (2013 data), municipalities were not required to report the energy use and flow rates for facilities and pumps related to the pumping of water and sewage.

The prescribed operations must also be conducted in a building/facility that the municipality owns or leases, and the municipality must be issued and be responsible for paying the utility invoice.

The City of Thunder Bay facilities and energy consumption portfolio also includes other operations that were not included in the prescribed list of required reporting. Facilities and operations that were not included are:

- Outdoor pools and operations
- Homes for the Aged
- Tourism facilities and signage
- Animal Services facilities
- Commercial facilities
- Seasonal parks
- Waterfront facilities
- Conservatory
- Cemeteries
- Golf facilities and operations
- Daycares
- Stadiums
- Parking lot lighting
- Streetlighting
- Flashing lights and traffic control lighting
- Other outdoor lighting

As a result, the greenhouse gas emission reported through O. Reg 397/11 is not inclusive of all the operations and facilities within the City of Thunder Bay's energy consumption portfolio.

For more information on the City of Thunder Bay's energy consumption, the Green Energy Act reporting template and energy management initiatives within City operations, please contact Vanessa DeGiacomo-Zwawesh at 684-2510 or email at [vdegiacomozwawesh@thunderbay.ca](mailto:vdegiacomozwawesh@thunderbay.ca).

Energy Consumption and Greenhouse Gas Emissions Reporting - for 2016																
Confirm consecutive 12-mth period (mth-yr to mth-yr)		Jan/2016 - Dec/2016														
Sector	Municipality															
Agency Sub-sector	Municipal															
Organization Name	City of Thunder Bay															
Operation Name	Operation Type	Address	City	Postal Code	Total Floor Area	Unit	Avg hrs/wk	Electricity Quantity	Electricity Unit	Natural Gas Quantity	Natural Gas Unit	GHG Emissions (kg)	Energy Intensity (ekWh/sqft)	Energy Intensity (ekWh/Mega Litre)	Comments	
Stephenson Building	Administrative offices and related facilities, including municipal council chambers	2160 Yonge Street	Toronto	M7A 2G5	135,034.00	Square feet	70	2,181,065.00000	kWh	125,300.00000	Cubic meter				max. 255 characters	
101 S Syndicate (POA)	Administrative offices and related facilities, including municipal council chambers	101 S Syndicate Ave	Thunder Bay	P7E 1C5	4,200.00	Square feet	60	47,585.00000	kWh			1,691.55158	11.32976	0.00000		
125 S Syndicate Ave (CIT)	Administrative offices and related facilities, including municipal council chambers	125 Syndicate Ave S	Thunder Bay	P7E 6H8	9,709.00	Square feet	60	101,965.00000	kWh			3,624.65182	10.50211	0.00000		
55+ Centre	Indoor recreational facilities	700 River St	Thunder Bay	P7A 3S6	22,500.00	Square feet	76	312,540.00000	kWh	28,360.00000	Cubic Meter	64,728.35364	27.28639	0.00000	based on hours of operations	
Archives	Administrative offices and related facilities, including municipal council chambers	235 Vickers St N	Thunder Bay	P7C 6A4	22,000.00	Square feet	60	136,394.00000	kWh	27,750.00000	Cubic Meter	57,313.43316	19.60522	0.00000		
Armstrong EMS 43	Ambulance stations and associated offices and facilities	6 Northern Dr	Armstrong	P0T 1A0	1,600.00	Square feet	168	6,852.65000	kWh			243.59800	4.28291	0.00000		
Armstrong EMS 46	Ambulance stations and associated offices and facilities	4 Northern Dr	Armstrong	P0T 1A0	1,600.00	Square feet	168	7,177.23000	kWh			255.13617	4.48577	0.00000		
Armstrong EMS	Ambulance stations and associated offices and facilities	65 Queen Street, PO Box 6	Armstrong	P0T 1A0	2,218.00	Square feet	168	30,146.00000	kWh			1,071.63001	13.59152	0.00000		
Arthur St EMS	Ambulance stations and associated offices and facilities	1543 Arthur St	Thunder Bay	P7E 5N5	2,500.00	Square feet	168	5,943.00000	kWh	5,287.00000	Cubic Meter	10,207.00671	24.85282	0.00000	sold April 2016	
Balmoral Police Station	Police stations and associated offices and facilities	1200 Balmoral St	Thunder Bay	P7B 5Z5	65,500.00	Square feet	168	1,406,049.00000	kWh	98,259.00000	Cubic Meter	235,753.34825	37.40952	0.00000		
Beardmore EMS	Ambulance stations and associated offices and facilities	133 Main St	Beardmore	P0T 1G0	2,325.00	Square feet	84	21,337.24850	kWh			758.49651	9.17731	0.00000		
Beck St EMS	Ambulance stations and associated offices and facilities	181 Beck St	Thunder Bay	P7A 2J7	2,888.00	Square feet	168	11,906.00000	kWh	3,623.00000	Cubic Meter	7,272.97611	17.45514	0.00000		
Brodie St Library	Public libraries	216 Brodie St S	Thunder Bay	P7E 1C2	23,232.00	Square feet	62	285,709.39655	kWh	38,021.00000	Cubic Meter	82,039.92680	29.69129	0.00000	based on hours of operations	
Brown Street EMS	Ambulance stations and associated offices and facilities	1321 Brown St	Thunder Bay	P7E 2M4	3,972.00	Square feet	168	17,372.00000	kWh	6,283.00000	Cubic Meter	12,496.34930	21.18487	0.00000		
Canada Games Complex	Indoor swimming pools	420 Winnipeg Ave	Thunder Bay	P7B 6B7	113,022.00	Square feet	92	2,114,199.00000	kWh	559,281.00000	Cubic Meter	1,132,547.30524	71.29685	0.00000	based on hours of operations	
Churchill Pool	Indoor swimming pools	130 Churchill Dr W	Thunder Bay	P7C 1V5	11,015.00	Square feet	92	360,473.00000	kWh	83,667.00000	Cubic Meter	170,997.18341	113.45140	0.00000	based on hours of operations	
City Hall	Administrative offices and related facilities, including municipal council chambers	500 Donald St E	Thunder Bay	P7E 5V3	43,500.00	Square feet	65	757,026.00000	kWh	81,244.00000	Cubic Meter	180,512.86024	37.25216	0.00000		
Conmee EMS	Ambulance stations and associated offices and facilities	Fire #5750 Hwy 11/17	Conmee	P0T 1W0	3,000.00	Square feet	84	16,405.08606	kWh			583.16800	5.46836	0.00000		
County Park #16	Public libraries	1020 Dawson Rd	Thunder Bay	P7B 1K6	4,000.00	Square feet	40	1,448.00000	kWh			51.47350	0.36200	0.00000	moved out of facility May 2016	
County Park #17	Public libraries	1020 Dawson Rd	Thunder Bay	P7B 1K6	4,000.00	Square feet	40	2,978.00000	kWh			105.86194	0.74450	0.00000	moved out of facility May 2016	
County Park Library	Public libraries	1020 Dawson Rd	Thunder Bay	P7B 1K6	4,122.00	Square feet	40	47,704.36265	kWh			1,695.79468	11.57311	0.00000	based on hours of operations	
Current River Arena	Indoor ice rinks	425 Grenville Ave	Thunder Bay	P7A 2B9	26,310.00	Square feet	126	532,771.80952	kWh	55,819.00000	Cubic Meter	124,471.88080	42.79756	0.00000	October to April ice plant runs continuously to maintain ice quality	
Current River Community Centre	Community centres	450 Dewe Ave	Thunder Bay	P7A 2G7	8,000.00	Square feet	65	133,192.95238	kWh	9,937.00000	Cubic Meter	23,521.90357	29.85015	0.00000	includes office hours and regular programming hours	
Delaney Arena	Indoor ice rinks	300 Legion Track Dr/200 Hyde Park Ave	Thunder Bay	P7E 1Y2	35,100.00	Square feet	126	768,863.00000	kWh	93,084.00000	Cubic Meter	203,318.66559	50.08943	0.00000	October to April ice plant runs continuously to maintain ice quality	
Fort William Gardens	Indoor ice rinks	901 Miles St E	Thunder Bay	P7C 1J9	66,814.00	Square feet	126	1,384,881.00000	kWh	201,643.00000	Cubic Meter	430,461.44995	52.80178	0.00000	October to April ice plant runs continuously to maintain ice quality. Also houses offices for Arena administration Jan- Dec.	

Frederica Fire Station	Fire stations and associated offices and facilities	1710 Frederica St W	Thunder Bay	P7E 0A8	5,150.00	Square feet	168	88,161.00000	kWh	13,735.00000	Cubic Meter	29,101.70907	45.46282	0.00000	
Front and Egan Administration Building and Garage	Storage facilities where equipment or vehicles are maintained, repaired or stored	155 Front St	Thunder Bay	P7A 2P3	39,010.00	Square feet	60	249,882.00000	kWh	112,606.00000	Cubic Meter	221,778.74930	37.08366	0.00000	
Front and Egan AfterHours& Stores & Washbay	Storage facilities where equipment or vehicles are maintained, repaired or stored	155 Front St	Thunder Bay	P7A 2P3	4,000.00	Square feet	168	43,857.00000	kWh	9,651.00000	Cubic Meter	19,805.46981	36.60642	0.00000	
Geraldton EMS	Ambulance stations and associated offices and facilities	815 Main St, Box 1350	Geraldton	P0T 1M0	3,961.00	Square feet	140	38,324.14042	kWh	7,607.00000	Cubic Meter	15,744.34613	30.08575	0.00000	
Grandview Arena	Indoor ice rinks	300 Madeline St	Thunder Bay	P7A 5Y9	23,310.00	Square feet	126	291,593.00000	kWh	45,351.00000	Cubic Meter	96,107.37304	33.18633	0.00000	October to April ice plant runs continuously to maintain ice quality
Greenstone EMS (Longlac)	Ambulance stations and associated offices and facilities	105 Skinner Ave, PO Box 640	Longlac	P0T 2A0	3,280.00	Square feet	84	25,105.41000	kWh	8,311.00000	Cubic Meter	16,605.44811	34.58319	0.00000	
Hodder Avenue Fire Station	Fire stations and associated offices and facilities	300 Hodder Ave	Thunder Bay	P7A 1T3	3,000.00	Square feet	168	14,713.00000	kWh	8,124.00000	Cubic Meter	15,882.47147	33.68435	0.00000	
Human Resources	Administrative offices and related facilities, including municipal council chambers	141 May St S	Thunder Bay	P7E 1A9	9,400.00	Square feet	60	274,613.00000	kWh			9,761.94292	29.21415	0.00000	
Jackpine Community Centre	Community centres	260 Jackpine Rd	Thunder Bay	P7G 1P6	4,400.00	Square feet	1	4,336.00000	kWh	5,901.00000	Cubic Meter	11,310.72606	15.23875	0.00000	Closed and demolished Aug 2016
James Street Fire Station	Fire stations and associated offices and facilities	501 Churchill Dr W	Thunder Bay	P7C 1W2	5,600.00	Square feet	168	70,658.00000	kWh	10,667.00000	Cubic Meter	22,679.06879	32.86152	0.00000	
John Jumbo Community Centre	Community centres	330 Toivo St	Thunder Bay	P7B 6K8	2,878.00	Square feet	45	10,612.00000	kWh	2,143.00000	Cubic Meter	4,428.84904	11.60088	0.00000	Includes office hours and regular programming hours
Junot Ave EMS	Ambulance stations and associated offices and facilities	105 Junot St S	Thunder Bay	P7B 4X6	38,000.00	Square feet	168	433,000.00000	kWh	42,520.00000	Cubic Meter	95,781.74404	23.28666	0.00000	
Junot Avenue Fire Station	Fire stations and associated offices and facilities	20 Junot Ave N	Thunder Bay	P7A 7L1	3,600.00	Square feet	168	64,799.00000	kWh	11,217.00000	Cubic Meter	23,510.63791	51.11410	0.00000	
Manitouwadge EMS	Ambulance stations and associated offices and facilities	1 Paramedic Lane, PO Box 548	Manitouwadge	P0T 2C0	5,080.00	Square feet	84	78,964.84000	kWh			2,807.04213	15.54426	0.00000	
Mapleward Fire Station	Fire stations and associated offices and facilities	3000 Government Rd	Thunder Bay	P7G 1V5	4,130.00	Square feet	168	49,168.00000	kWh	4,163.00000	Cubic Meter	9,618.50427	22.61778	0.00000	
Mapleward Solid Waste and Recycling Bomag Building	Storage facilities where equipment or vehicles are maintained, repaired or stored	5405 Mapleward Rd	Thunder Bay	P7G 1R8	1,750.00	Square feet	61	13,640.00000	kWh			484.87472	7.79429	0.00000	
Mapleward Solid Waste and Recycling Garage	Storage facilities where equipment or vehicles are maintained, repaired or stored	5405 Mapleward Rd	Thunder Bay	P7G 1R8	17,510.00	Square feet	61	305,418.96000	kWh	38,431.47000	Cubic Meter	83,516.60802	40.76871	0.00000	main also feeds out to power 3 transtor units
Mapleward Solid Waste& Recycling Admin Building/Kiosk	Administrative offices and related facilities, including municipal council chambers	5405 Mapleward Rd	Thunder Bay	P7G 1R8	5,140.00	Square feet	61	91,229.04000	kWh	11,479.53000	Cubic Meter	24,946.51928	41.48462	0.00000	main also feeds out to power 3 transtor units
Marathon EMS	Ambulance stations and associated offices and facilities	26 Peninsula Rd, PO Box 459	Marathon	P0T 2E0	3,650.00	Square feet	84	20,211.16000	kWh			718.46632	5.53730	0.00000	
Mary J L Black Library (new)	Public libraries	901 Edward St S	Thunder Bay	P7E 6R2	9,440.00	Square feet	41	115,254.00000	kWh	11,369.00000	Cubic Meter	25,591.58756	25.00860	0.00000	based on hours of operation
Mountdale - InOps	Storage facilities where equipment or vehicles are maintained, repaired or stored	410 Mountdale Ave	Thunder Bay	P7E 6G8	26,900.00	Square feet	60	165,323.00000	kWh	110,843.00000	Cubic Meter	215,439.67057	49.93820	0.00000	
Mountdale - Parks/Mechanics	Storage facilities where equipment or vehicles are maintained, repaired or stored	410 Mountdale Ave	Thunder Bay	P7E 6G8	14,400.00	Square feet	60	180,144.00000	kWh	31,489.00000	Cubic Meter	65,937.71252	35.75014	0.00000	
Mountdale Administration Building	Administrative offices and related facilities, including municipal council chambers	410 Mountdale Ave	Thunder Bay	P7E 6G8	10,760.00	Square feet	60	111,237.00000	kWh	14,015.00000	Cubic Meter	30,451.39028	24.18079	0.00000	
Nakina EMS	Ambulance stations and associated offices and facilities	204-B Thornton St, Box 429	Nakina	P0T 2H0	2,100.00	Square feet	84	22,956.93000	kWh			816.07295	10.93187	0.00000	
Neebing Arena	Indoor ice rinks	1715 Bowlker Rd	Thunder Bay	P7K 1L4	25,000.00	Square feet	126	298,577.00000	kWh	51,516.00000	Cubic Meter	108,011.35573	33.84310	0.00000	October to April ice plant runs continuously to maintain ice quality
Neebing Fire Station	Fire stations and associated offices and facilities	2065 - 20th Side Rd	Thunder Bay	P7K 1H6	5,150.00	Square feet	168	76,194.00000	kWh	8,507.00000	Cubic Meter	18,792.10820	32.35039	0.00000	
Nipigon EMS	Ambulance stations and associated offices and facilities	125 HOGAN RD, UNIT R	Nipigon	P0T 2J0	2,050.00	Square feet	84			4,414.00000	Cubic Meter	8,345.22758	22.88342	0.00000	

North Central Fire Station	Fire stations and associated offices and facilities	60 Water St S	Thunder Bay	P7B 6E8	24,711.00	Square feet	168	232,668.00000	kWh	23,986.00000	Cubic Meter	53,619.46129	19.73153	0.00000	
North End Community Centre	Community centres	954 Huron Ave	Thunder Bay	P7A 6L4	4,916.00	Square feet	45	53,595.00000	kWh	14,185.00000	Cubic Meter	28,723.73906	41.56835	0.00000	Includes office hours and regular programming hours
North McIntyre Community Centre	Community centres	2051 Government Rd	Thunder Bay	P7G 2E9	10,200.00	Square feet	60	55,251.00000	kWh	11,297.00000	Cubic Meter	23,322.47577	17.18755	0.00000	Includes office hours and regular programming hours
North Neebing Community Centre	Community centres	2145 Rosslyb Rd	Thunder Bay	P7K 1H6	3,490.00	Square feet	10	6,490.00000	kWh	4,193.00000	Cubic Meter	8,158.10553	14.62816	0.00000	Closed and demolished Aug 2016
Oliver Road Community Centre	Community centres	563 Oliver Rd	Thunder Bay	P7B 2H2	9,644.00	Square feet	60	56,732.00000	kWh	9,708.00000	Cubic Meter	20,370.91605	16.58093	0.00000	Includes office hours and regular programming hours
Parks North Admin/Garage	Storage facilities where equipment or vehicles are maintained, repaired or stored	645 Cumberland St N	Thunder Bay	P7A 4S2	19,273.00	Square feet	60	63,495.00000	kWh	26,003.00000	Cubic Meter	51,419.09414	17.63343	0.00000	
Port Arthur Arena	Indoor ice rinks	420 Lisgar St	Thunder Bay	P7B 6T4	30,087.00	Square feet	126	669,835.00000	kWh	98,920.00000	Cubic Meter	210,832.11742	57.20526	0.00000	summer ice 2016 - ice plant runs continuously to maintain ice quality
Red Rock EMS - Frost St	Ambulance stations and associated offices and facilities	30 Frost St	Red Rock	P0T 2P0	700.00	Square feet	84	8,369.54000	kWh			297.52041	11.95649	0.00000	
Red Rock EMS	Ambulance stations and associated offices and facilities	4 Taylor St, Box 217	Red Rock	P0T 2P0	1,638.00	Square feet	84	14,225.73000	kWh	2,894.00000	Cubic Meter	5,977.17079	27.46185	0.00000	
Shuniah EMS	Ambulance stations and associated offices and facilities	1700A Lakeshore Dr	Shuniah	P7A 0T1	4,750.00	Square feet	84	26,143.24000	kWh			929.33990	5.50384	0.00000	
South Neebing Community Centre	Community centres	1841 Mountain Rd	Thunder Bay	P7J 1A8	6,960.00	Square feet	45	31,972.00000	kWh	6,050.00000	Cubic Meter	12,574.83401	13.83190	0.00000	Includes office hours and regular programming hours
Terrace Bay EMS	Ambulance stations and associated offices and facilities	20 Cartier Dr, Box 400	Terrace Bay	P0T 2W0	2,675.00	Square feet	84	39,473.52000	kWh			1,403.20469	14.75646	0.00000	
Thunder Bay Community Auditorium	Auditoriums	1 Paul Shaffer Dr	Thunder Bay	P7B 6C7	60,000.00	Square feet	90	786,531.00000	kWh	68,114.00000	Cubic Meter	156,737.77147	25.17386	0.00000	Hours of operation vary depending on number of events held per year. Approx 140 events per year - hours depend on types of event ranging from 9:30am to
Thunder Bay Training Centre	Fire stations and associated offices and facilities	750 Hammond Ave	Thunder Bay	P7B 6T5	13,717.00	Square feet	40	82,598.00000	kWh	10,096.00000	Cubic Meter	22,023.96390	13.84385	0.00000	Based on hours of operations
Traffic Control & Streetlighting Admin/Garage	Storage facilities where equipment or vehicles are maintained, repaired or stored	625 Cumberland St N	Thunder Bay	P7A 4S2	10,552.00	Square feet	60	48,180.00000	kWh	15,421.00000	Cubic Meter	30,868.06161	20.09770	0.00000	
Transit Administration/Garage	Administrative offices and related facilities, including municipal council chambers	570 Fort William Rd	Thunder Bay	P7B 2Z8	91,247.00	Square feet	140	782,986.00000	kWh	166,249.00000	Cubic Meter	342,148.43445	27.94441	0.00000	
Upsala EMS	Ambulance stations and associated offices and facilities	20 North Rd	Upsala	P0T 2Y0	1,982.00	Square feet	84	46,020.79000	kWh			1,635.94704	23.21937	0.00000	
Vale Community Centre	Community centres	420 Vale Ave	Thunder Bay	P7C 5E7	6,528.00	Square feet	53	34,547.00000	kWh	9,940.00000	Cubic Meter	20,020.90914	21.47474	0.00000	Includes office hours and regular programming hours
Vickers Heights Community Centre	Community centres	1695 Broadway Ave	Thunder Bay	P7K 1M6	3,760.00	Square feet	45	22,615.00000	kWh	6,370.00000	Cubic Meter	12,847.21201	24.01966	0.00000	Includes office hours and regular programming hours
Vickers Street Fire Station	Fire stations and associated offices and facilities	330 Vickers St N	Thunder Bay	P7C 4B2	13,000.00	Square feet	168	150,466.00000	kWh	40,285.00000	Cubic Meter	81,512.67406	44.50815	0.00000	
Victoriaville Civic Centre	Administrative offices and related facilities, including municipal council chambers	111 Syndicate Ave S	Thunder Bay	P7E 6S4	39,000.00	Square feet	60	649,597.00000	kWh	8,993.00000	Cubic Meter	40,094.28277	19.10699	0.00000	
Volunteer Pool Community Centre	Community centres	180 Martha St	Thunder Bay	P7A 8C1	6,624.00	Square feet	63	44,405.70000	kWh	7,138.60000	Cubic Meter	15,074.96373	18.15718	0.00000	Includes office hours and regular programming hours
Volunteer Pool	Indoor swimming pools	180 Martha St	Thunder Bay	P7A 8C1	21,000.00	Square feet	85	399,651.30000	kWh	64,247.40000	Cubic Meter	135,674.67353	51.54564	0.00000	Based on hours of operations
Waterfront Parkade	Parking garages	18 Court St N	Thunder Bay	P7C 5K4	3,000.00	Square feet	40	2,743.20000	kWh	2,188.02000	Cubic Meter	4,234.24496	8.66566	0.00000	
Waterfront/Pool 6	Administrative offices and related facilities, including municipal council chambers	53 Water Street S	Thunder Bay	P7B 6E8	8,525.00	Square feet	60	111,005.00000	kWh	25,363.00000	Cubic Meter	51,897.97834	44.64015	0.00000	
Waverly St Library	Public libraries	285 Red River Rd	Thunder Bay	P7B 1A9	23,300.00	Square feet	58	380,696.42857	kWh	36,895.00000	Cubic Meter	83,287.67981	33.16774	0.00000	Based on hours of operations
West Arthur Community Centre	Community centres	1914 Arthur St W	Thunder Bay	P7K 1C7	8,184.00	Square feet	42	72,282.00000	kWh	6,544.00000	Cubic Meter	14,941.74362	17.33018	0.00000	Facility operates as South side 55+ centre with increased daily programming. Includes office hours and regular programming.

West Thunder Community Centre	Community centres	915 Edward St S	Thunder Bay	P7E 6R2	14,456.00	Square feet	87	210,648.00000	kWh	24,487.00000	Cubic Meter	53,783.89845	32.57404	0.00000	Includes office hours and regular programming hours
Whalen Building	Administrative offices and related facilities, including municipal council chambers	34 N. Cumberland	Thunder Bay	P7A 4L3	80,000.00	Square feet	60	899,574.00000	kWh	50,139.00000	Cubic Meter	126,772.20371	17.90550	0.00000	
WPCP - Atlantic Ave	Facilities related to the treatment of sewage	901 Atlantic Ave	Thunder Bay	P7E 2T2	117,631.00	Square feet	168	12,746,568.00000	kWh	960,466.00000	Cubic Meter	2,268,997.95145	195.13722	737.03162	
WTP - Bare Point	Facilities related to the treatment of water	RR#13 Bare Point Rd	Thunder Bay	P7A 8C6	67,339.00	Square feet	168	6,270,600.00000	kWh	551,431.00000	Cubic Meter	1,265,457.62604	180.14948	896.07665	