

June 17, 2015

Report To: Operations and Facilities Executive Committee

From: Travis Rob, Chief Building Official, Facilities/Special Projects Coordinator

RE: Annual Energy Consumption Submission and Corporate Energy Consumption Review As Outlined in the Town of Fort Frances Energy Consumption and Demand Management Plan.

Background

In 2011 the Ontario Government passed O. Reg. 397/11 Energy Conservation and Demand Management Plans outlining annual energy reporting and planning for Municipalities, municipal Service Boards, Universities and Colleges, Schools and Hospitals. This regulation outlined what facilities were to be reported on and the data that was to be reported. The first reporting year for energy consumption and greenhouse gas emission data was 2013 with data from 2011. The Town of Fort Frances has been submitting energy reports in accordance with the regulation since the initial submission deadline of July 1, 2013. On June 18, 2014 the Town of Fort Frances 5 Year Energy Conservation and Demand Management Plan was taken to the Operations and Facilities Executive Committee and then to Council on June 23 for approval and was submitted to the Ministry of Energy prior to the July 1, 2014 Deadline. In accordance with Chapter 3 of the Energy Conservation and Demand Management Plan, the following is an annual report of the energy consumption of the Town of Fort Frances

Amendments to the Regulation

For the 2015 reporting year there has been some amendments to the reporting requirements for municipalities. New for this year is for multi-use buildings (Multiple uses within the same building, for example the Memorial Sports Centre and Civic Centre), the old standard was to separate the consumption based on floor area used and report on each of the uses individually. Now the reporting will be under the primary use reported over the entire floor area. Further to this the required reporting on the consumption of waste water pumping stations has been removed. The reporting on treatment facilities are still required.

Information

Due to the wealth of data, analysis available and required for the review of energy data, the following information contained in this report is a summary of the energy consumption and solar generation from the Town of Fort Frances Facilities. A further review of the detailed data and analysis of the Town of Fort Frances energy consumption will be completed at the O&F Executive Committee meeting. The data for the 2015 energy submission to the Ministry of Energy contains information for the 2013 year consumption. This report will encompass all data to the end of 2014.

Electrical

Attached to this report is an overview of the 2011 base year for electrical consumption as well as 2012, 2013, and 2014 years. The items marked with an asterisk are all of the facilities that are heated solely or partially with electrical energy. There is a column showing the difference between the current year and base year consumption.

Natural Gas

The following is an overview of the 2011 base year for natural gas consumption as well as 2012, 2013, and 2014 years. There is a column showing the heating degree days, as natural gas usage is largely driven by the outdoor air temperature. There are also columns showing the difference from the base year of 2011.

Solar

The 4 – 10kW solar installations have been online and generating power since late in 2011 under the Ontario Power Authority MicroFIT program. At the time of the Town's enrolment in the program, a 20 year contract to supply power via a rooftop solar generation system was signed for \$0.80 per kWh. There is no requirement to annually report on the solar generation to the Ministry of Energy, however traditionally an annual report to Council has been completed outlining the solar generation. This past year we did see an issue with the Memorial Sports Centre where a disconnect switch on an inverter failed causing a reduction in generated power through the winter months. A replacement inverter was received under warranty and the faulty unit was replaced.

Conclusions and Recommendations

Although not every facility is seeing a reduction in consumption every year, due primarily to changes in weather patterns from year to year and the above data not being normalized to heating degree days, the overall trend in normalized consumption is downward showing that our energy initiatives are working. Throughout the year ideas and initiatives come up and this committee is an excellent venue to discuss these and bring them forward as energy initiatives. Recently the idea of adding motion sensors to the lights at the outdoor rinks was brought up as a way to save energy when the weather is either too cold, snowy, etc. and the outdoor rinks are not being used. This could save unnecessary power usage when the rinks are not being utilized.

Respectfully Submitted,

A handwritten signature in black ink, appearing to read 'Travis Rob', with a stylized flourish at the end.

Travis Rob, EIT

Chief Building Official, Facilities/Special Projects Coordinator

Electricity Consumption

	2011 - Baseline		2012			2013			2014		
	Total Consumption (kWh)	Total Cost (\$)	Total Consumption (kWh)	Total Cost (\$)	Difference From Baseline	Total Consumption (kWh)	Total Cost (\$)	Difference From Baseline	Total Consumption (kWh)	Total Cost (\$)	Difference From Baseline
Museum	124518.26	\$ 12,934.16	106787.99	\$ 10,096.07	-17730.27	100699.96	\$ 10,705.68	-23818.30	112252.42	\$ 13,211.48	-12265.84
Memorial Sports Centre*	540324.47	\$ 57,434.30	605646.82	\$ 59,102.08	65322.35	407863.44	\$ 55,109.37	-132461.03	549459.27	\$ 59,273.96	9134.80
Memorial Sports Centre A*	2060205.95	\$ 190,560.19	1900960.90	\$ 171,320.48	-159245.05	1726885.03	\$ 185,713.10	-333320.92	1777281.12	\$ 176,849.87	-282924.83
Hallett	1658.65	\$ 526.18	1067.55	\$ 476.70	-591.10	1065.06	\$ 700.46	-593.59	1962.08	\$ 711.52	303.43
Sorting Gap*	46148.56	\$ 4,760.16	44610.32	\$ 4,015.75	-1538.24	43538.22	\$ 4,465.30	-2610.34	37154.54	\$ 4,219.00	-8994.02
Public Works	158900.90	\$ 14,990.98	134694.38	\$ 13,123.85	-24206.52	122535.19	\$ 13,387.98	-36365.71	116251.40	\$ 14,240.39	-42649.50
Fort Frances Cemetery*	83238.89	\$ 7,928.96	75305.02	\$ 7,145.39	-7933.87	76616.41	\$ 8,309.41	-6622.48	77995.48	\$ 9,375.90	-5243.41
Riverview Cemetery*	49686.65	\$ 4,825.18	40175.43	\$ 3,908.05	-9511.22	31618.49	\$ 3,635.19	-18068.16	33646.98	\$ 4,142.46	-16039.67
Civic Centre*	646061.57	\$ 65,147.27	656977.70	\$ 61,555.61	10916.13	600197.26	\$ 62,749.42	-45864.31	580279.63	\$ 60,071.65	-65781.94
Dog Pound*	18384.91	\$ 1,996.22	17075.46	\$ 1,860.03	-1309.45	19678.31	\$ 2,391.25	1293.40	18670.43	\$ 2,424.97	285.52
Sister Kennedy Centre 1	63938.02	\$ 6,242.01	71475.53	\$ 7,070.92	7537.51	68296.65	\$ 7,570.27	4358.63	64115.23	\$ 7,832.28	177.21
Sister Kennedy Centre 2	1163.53	\$ 525.61	1376.14	\$ 495.77	212.61	3108.74	\$ 877.63	1945.21	6112.61	\$ 1,112.43	4949.08
East End Hall	10057.67	\$ 1,234.80	10562.67	\$ 1,291.76	505.00	11759.80	\$ 1,667.04	1702.13	9885.26	\$ 1,626.42	-172.41
Point Park Garage*	83.33	\$ 272.61	15.12	\$ 392.85	-68.21	63.93	\$ 644.64	-19.40	84.90	\$ 104.17	1.57
Vanjura	1165.48	\$ 362.29	462.73	\$ 425.21	-702.75	399.99	\$ 666.27	-765.49	0.00	\$ 511.02	-1165.48
Lions Park	16569.35	\$ 1,781.77	20129.54	\$ 2,224.33	3560.19	17625.06	\$ 2,362.53	1055.71	15845.93	\$ 2,286.96	-723.42
Daycare	113506.77	\$ 11,745.12	105304.21	\$ 10,209.28	-8202.56	94709.47	\$ 10,383.47	-18797.30	96037.27	\$ 12,568.89	-17469.50
St. Frances Sports Fields	1285.15	\$ 499.34	1440.70	\$ 512.76	155.55	1407.89	\$ 759.38	122.74	1912.91	\$ 707.00	627.76
Mclrvine Road Rink	5209.86	\$ 834.06	5958.90	\$ 755.08	749.04	6107.64	\$ 1,157.11	897.78	7064.73	\$ 1,193.60	1854.87
North End Rink*	15840.60	\$ 1,779.04	10874.91	\$ 1,318.28	-4965.69	13848.33	\$ 1,835.57	-1992.27	16078.42	\$ 2,132.63	237.82
Water Tower	41851.34	\$ 4,109.87	41058.64	\$ 3,888.74	-792.70	42321.06	\$ 4,552.38	469.72	40897.03	\$ 4,732.46	-954.31
Street Lights	1231535.63	\$ 126,968.35	1115184.58	\$ 109,882.30	-116351.05	1231535.64	\$ 130,121.47	0.01	414928.58	\$ 55,148.03	-816607.05
Tourist Info Building	0.00	\$ -	0.00		0.00	0.00	\$ -	0.00	12624.42	\$ 1,571.19	12624.42
Airport	137086.6	\$ 18,967.77	128763.06	\$ 18,808.39	-8323.54	111778.80	\$ 19,049.40	-25307.80	109195.45	\$ 20,179.22	-27891.15
Sunny Cove Camp Office*	11477.88	\$ 2,183.56	4325	\$ 1,098.03	-7152.88	4394.4149	\$ 1,168.49	-7083.47	4999.08	\$ 1,404.62	-6478.80
Russell Hall*	7413	\$ 1,466.37	8431	\$ 1,667.59	1018.00	7645.0827	\$ 1,589.39	232.08	8500.2224	\$ 1,934.09	1087.22
McGregor Hall*	2620	\$ 839.08	2367	\$ 820.43	-253.00	2507.2512	\$ 880.85	-112.75	1814.8592	\$ 870.63	-805.14
Water Treatment Plant	813205.32	\$ 78,577.11	721579.09	\$ 70,787.50	-91626.23	663507.37	\$ 76,177.58	-149697.95	663507.37	\$ 76,177.58	-149697.95
Sewage Treatment Plant	1511377.58	\$ 143,636.77	1510820.23	\$ 133,619.77	-557.35	1438388.10	\$ 141,756.40	-72989.48	1519960.15	\$ 150,273.08	8582.57
Portage Avenue Storm Lift Station	8081.03	\$ 1,070.22	4446.94	\$ 762.71	-3634.09	3028.63	\$ 882.86	-5052.40	6718.95	\$ 1,185.62	-1362.08
Central Ave Lift Station	147238.84	\$ 13,833.05	132438.81	\$ 12,284.04	-14800.03	147220.38	\$ 15,497.52	-18.46	158134.04	\$ 18,452.62	10895.20
5th Street Lift Station	44623.63	\$ 4,444.77	37275.87	\$ 3,609.46	-7347.76	41577.57	\$ 4,268.54	-3046.06	48566.69	\$ 5,648.68	3943.06
Minnie Avenue Lift Station	1698.56	\$ 564.47	1414.45	\$ 512.10	-284.11	1570.15	\$ 775.02	-128.41	2098.09	\$ 724.71	399.53
White Pine Lift Station	29526.54	\$ 2,994.21	24395.65	\$ 2,498.77	-5130.89	33733.32	\$ 3,716.11	4206.78	31736.37	\$ 3,783.44	2209.83
Boundary Road Lift Station	5679.41	\$ 826.30	7412.81	\$ 1,019.19	1733.40	7546.27	\$ 1,343.50	1866.86	7417.24	\$ 1,266.24	1737.83
Patcin Avenue Lift Station	2406.48	\$ 586.89	1957.51	\$ 557.44	-448.97	2371.16	\$ 847.89	-35.32	2734.51	\$ 789.06	328.03
TOTAL:	7953770.41	\$ 787,449.04	7552772.66	\$ 719,116.71		7087150.07	\$ 777,718.47		6543299.24	\$ 717,166.68	

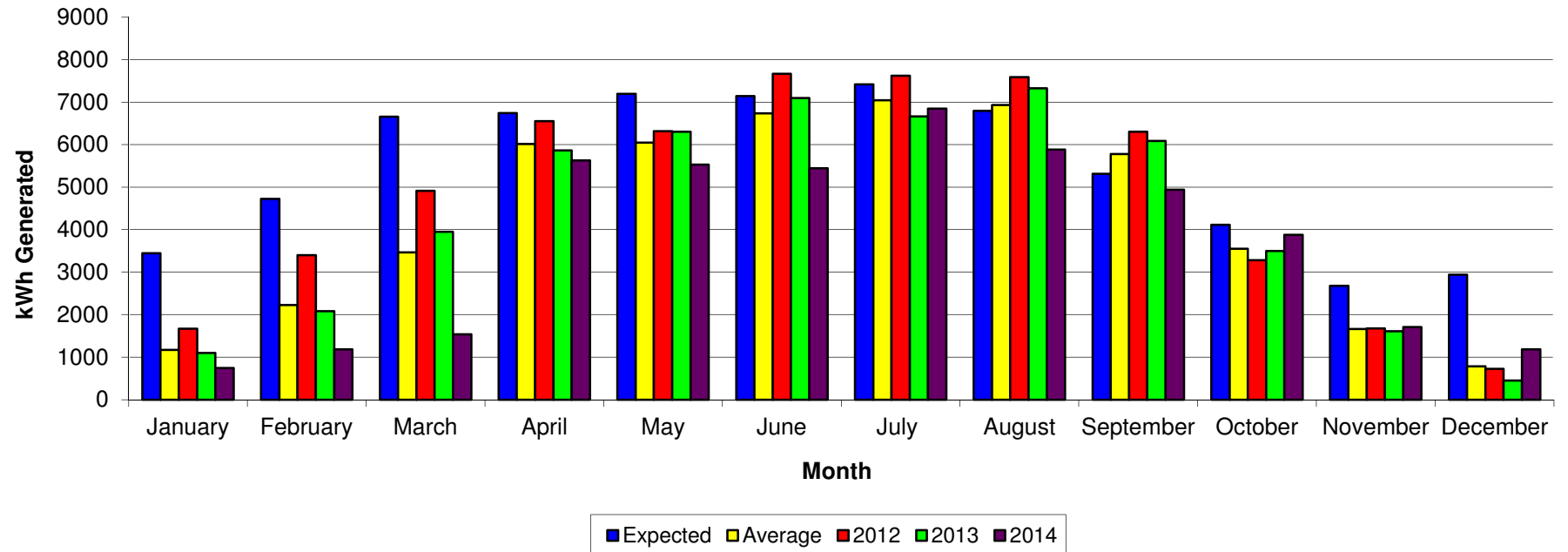
Natural Gas Consumption

					Difference From Base Year				Difference From Base Year				Difference From Base Year	
Facility	2011 Consumption (m³)	2011 Billing HDD	2012 Consumption (m³)	2012 Billing HDD	Consumption (m³)	HDD	2013 Consumption (m³)	2013 Billing HDD	Consumption (m³)	HDD	2014 Consumption (m³)	2014 Billing HDD	Consumption (m³)	HDD
Museum	6470.454	6916.8	4520.415	4734.8	-1950.039	-2182	7761.205	7563.8	1290.751	647	10392.783	8138.1	3922.329	1221.3
Sister Kennedy	7505.28	6179.8	4873.705	4786.7	-2631.575	-1393.1	8598.524	7497.7	1093.244	1317.9	5160.228	8176.9	-2345.052	1997.1
Sister Kennedy Shop	3020.719	5337.5	2906.545	4786.7	-114.174	-550.8	3856.363	7497.7	835.644	2160.2	1219.509	8176.9	-1801.21	2839.4
McIrvine Rink	4256.96	6351.4	3235.29	4809.2	-1021.67	-1542.2	5603.44	7416.2	1346.48	1064.8	5739.27	8160.9	1482.31	1809.5
Library	5889.056	6129.9	2080.782	4815.9	-3808.274	-1314	5708.24	7497.7	-180.816	1367.8	6055.965	8176.9	166.909	2047
East End Hall	5794.478	6102.4	4036.382	4712.6	-1758.096	-1389.8	6208.963	7479.6	414.485	1377.2	6092.127	8261.3	297.649	2158.9
Water Treatment Plant	79918.157	6102.4	54823.594	4737.8	-25094.563	-1364.6	85843.378	7479.6	5925.221	1377.2	95145.697	8261.3	15227.54	2158.9
Sewage Treatment Plant 1	7432.953	6229.1	7961.495	4809.7	528.542	-1419.4	12047.951	6065.7	4614.998	-163.4	15169.122	8113.8	7736.169	1884.7
Water Tower	21500.484	6953.4	8631.907	4809.7	-12868.577	-2143.7	11004.776	7848.2	-10495.708	894.8	66924.399	8150	45423.915	1196.6
Sewage Treatment Plant 2	36714.116	6229.1	36383.083	4809.7	-331.033	-1419.4	61911.605	7439.2	25197.489	1210.1	67703.299	8113.8	30989.183	1884.7
Public Works	26975.055	6145.1	20129.06	4715.6	-6845.995	-1429.5	40010.542	7490.9	13035.487	1345.8	42720.009	8263.9	15744.954	2118.8
Daycare	4606.651	6992.3	5769.441	4715.6	1162.79	-2276.7	11180.03	7490.9	6573.379	498.6	19750.737	8294.6	15144.086	1302.3
Civic Centre	60047.804	6916.8	30349.372	4734.8	-29698.432	-2182	57672.149	7403.9	-2375.655	487.1	72120.788	8258.2	12072.984	1341.4
Memorial Sports Centre1	132342.865	6962.5	116503.747	4786.7	-15839.118	-2175.8	189608.307	7497.7	57265.442	535.2	200687.047	8176.9	68344.182	1214.4
Memorial Sports Centre2	57494.116	6129.9	49104.225	4786.7	-8389.891	-1343.2	81523.252	7497.7	24029.136	1367.8	95955.199	8176.9	38461.083	2047
TOTAL	459969.148	95678.4	351309.043	71552.2	-108660.105	-24126.2	588538.725	111166.5	128569.577	15488.1	710836.179	122900.4	250867.031	27222

Solar Energy Generation

	Expected	2012		2013		2014		Average	kWh Total To Date	Revenue To Date
		kWh	Revenue	kWh	Revenue	kWh	Revenue			
January	3444	1667	\$ 1,336.54	1101	\$ 974.08	743	\$ 648.88	1170.3	3511	\$ 2,959.50
February	4720	3400	\$ 2,726.68	2082	\$ 1,863.09	1185	\$ 1,049.52	2222.3	6667	\$ 5,639.29
March	6658	4916	\$ 4,431.46	3950	\$ 3,511.58	1535	\$ 1,742.81	3467.0	10401	\$ 9,685.85
April	6740	6550	\$ 5,912.29	5865	\$ 5,291.50	5625	\$ 5,073.32	6013.3	18040	\$ 16,277.11
May	7192	6319	\$ 5,702.94	6302	\$ 5,686.86	5527	\$ 4,984.49	6049.3	18148	\$ 16,374.29
June	7143	7667	\$ 6,924.57	7099	\$ 6,409.14	5444	\$ 4,909.28	6736.7	20210	\$ 18,242.99
July	7417	7620	\$ 6,881.98	6663	\$ 6,014.02	6844	\$ 6,178.04	7042.3	21127	\$ 19,074.04
August	6794	7585	\$ 6,850.25	7323	\$ 6,612.14	5883	\$ 5,307.13	6930.3	20791	\$ 18,769.52
September	5312	6306	\$ 5,691.15	6088	\$ 5,492.92	4941	\$ 4,453.44	5778.3	17335	\$ 15,637.51
October	4116	3281	\$ 2,965.12	3497	\$ 3,144.79	3877	\$ 3,489.18	3551.7	10655	\$ 9,599.09
November	2675	1677	\$ 1,496.08	1610	\$ 1,434.68	1707	\$ 1,522.58	1664.7	4994	\$ 4,453.34
December	2942	724	\$ 632.41	446	\$ 379.79	1185	\$ 742.30	785.0	2355	\$ 1,754.50
TOTAL:	65153	57712	\$51,551.47	52026	\$46,814.59	44496	\$40,100.97	51411.33	154234	\$ 138,467.03

kWh Generation Summary



Press TAB to move to input areas. Press UP or DOWN to move between rows.

Confirm consecutive 12-month period (month-year to month-year)

January 1, 2011 to December 31, 2011

Type of Public Agency (Sector):

Municipal

Agency Sub-sector

Municipality

Organization Name

The Corporation of the Town of Fort Frances

Energy Consumption and Greenhouse Gas Emissions Reporting - for 2011

Please fill in the mandatory fields indicated in red, in addition to submitting data on your energy usage.

Operation Name	Operation Type	Address	City	Postal Code	Total Floor Area of the Indoor Space in which Operation is Conducted	Average # Hours Per Week	Annual Flow (Mega Litres)	Electricity	Natural Gas	Fuel Oil 1 & 2	Fuel Oil 4
Gatsby Administration Centre	Administrative offices and related facilities, including municipal council chambers	512 Smithson Avenue	Toronto	M7A 2J1	361,280.00 Square feet	40		5,103,348.00000 kWh	410,325.00000 Cubic meter		
Museum	Cultural facilities	259 Scott St.	Fort Frances	P9A 1G8	9,359.00 Square feet	40		124,518.26000 kWh	6,470.00000 Cubic meter		
Sister Kennedy Centre	Community centres	401 Nelson St.	Fort Frances	P9A 1B3	7,366.00 Square feet	40		63,938.02000 kWh	7,505.00000 Cubic meter		
East End Hall	Community centres	1227 5th St. E.	Fort Frances	P9A 3P9	6,184.00 Square feet	13		10,057.67000 kWh	5,794.47800 Cubic meter		
Public Works	Storage facilities where equipment or vehicles are maintained, repaired or stored	900 wright Ave	Fort Frances	P9A 3J9	15,591.00 Square feet	50		158,900.90000 kWh	26,975.05500 Cubic meter		
Riverview Cemetery	Storage facilities where equipment or vehicles are maintained, repaired or stored	1319 Colonization Road W.	Fort Frances	P9A 2T6	2,535.00 Square feet	40		49,686.65000 kWh			
Fort Frances Cemetery	Storage facilities where equipment or vehicles are maintained, repaired or stored	401 Kings Highway	Fort Frances	P9A 3P9	4,225.00 Square feet	40		83,238.89000 kWh			
Sunny Cove	Community centres	#960 Highway 11	Fort Frances	P9A 3P9	15,000.00 Square feet	24		21,510.88000 kWh			
Civic Centre Administration	Administrative offices and related facilities, including municipal council chambers	320 Portage Ave.	Fort Frances	P9A 3P9	17,636.00 Square feet	40		258,424.63000 kWh	24,019.12200 Cubic meter		
Civic Centre OPP Offices	Police stations and associated offices and facilities	320 Portage Ave.	Fort Frances	P9A 3P9	6,197.12 Square feet	168		258,424.63000 kWh	24,019.12200 Cubic meter		
Civic Centre Fire Hall	Fire stations and associated offices and facilities	320 Portage Ave.	Fort Frances	P9A 3P9	12,468.40 Square feet	168		129,212.31400 kWh	12,009.56000 Cubic meter		
Fort Frances Library and Technology Centre	Public libraries	601 Reid Ave.	Fort Frances	P9A 0A2	15,000.00 Square feet	50		69,928.00000 kWh	5,889.86000 Cubic meter		
Water Treatment Plant	Facilities related to the treatment of water	901 Colonization Road E.	Fort Frances	P9A 3P9	16,000.00 Square feet	40	1623.01000	813205.32 kWh	79,918.16 Cubic meter		
Sewage Treatment Plant	Facilities related to the treatment of sewage	2 McIrvine Road	Fort Frances	P9A 3P9	6,672.00 Square feet	40	2512.25500	1511377.58 kWh	44,147.06900 Cubic meter		
Church St. Lift Station	Facilities related to the pumping of sewage	325 Minnie Ave	Fort Frances	P9A 3P9		0	12.02700	1698.56 kWh			
White Pine Lift Station	Facilities related to the pumping of sewage	740 Scott St.	Fort Frances	P9A 3P9		0	176.89100	29,526.54000 kWh			
Boundary Road Lift Station	Facilities related to the pumping of sewage	1715 Colonization Road W.	Fort Frances	P9A 3P9		0	23.21200	5,679.41000 kWh			
Patcin Ave. Lift Station	Facilities related to the pumping of sewage	932 Kaitlyn Drive.	Fort Frances	P9A 3P9		0	21.74100	2,406.48000 kWh			
Ice For Kids Arena	Indoor ice rinks	720 Scott St.	Fort Frances	P9A 1H8	56,037.24 Square feet	100		1,227,321.63200 kWh	84,021.84780 Cubic meter		
52 Canadians Arena	Indoor ice rinks	720 Scott St.	Fort Frances	P9A 1H8	53,883.92 Square feet	100		864,126.28400 kWh	80,794.61910 Cubic meter		
Memorial Sportsplex	Indoor swimming pools	720 Scott St.	Fort Frances	P9A 1H8	16,687.94 Square feet	100		439,154.50460 kWh	25,020.51410 Cubic meter		
Central Ave Lift Station	Facilities related to the pumping of sewage	712 Central Ave	Fort Frances	P9A 3P9		0	998.35000	147,238.84000 kWh			

Energy Type and Amount Purchased and Consumed in Natural Units									Total (These columns will calculate when file is Saved)					
# & 6	Propane	Coal	Wood	District Heating	Renewable?	If Yes, enter Emission Factor	District Cooling	Renewable?	If Yes, enter Emission Factor	GHG Emissions (Kg)	Energy Intensity (ekWh/sqft)	Energy Intensity (ekWh/Mega Litres)	Comments	
25.64000 Giga Joule - steam or hot water No									23.40500 Giga Joule - chilled water No					
										Click above cell to toggle units Click above cell to toggle units				
										22,193.81749	20.65178			
										19,304.19724	19.50848			
										11,759.81016	11.58475			
										63,711.83931	28.57968			
										3,974.93200	19.60026			
										6,659.11120	19.70151			
										1,720.87040	1.43406			
										66,085.17097	29.12761			
										66,085.17097	82.89246			
										33,042.58351	20.59986			
										16,729.76834	8.83494			
										216,151.85101	103.90985	1,024.36687		
										204,375.84702	296.84694	788.36057		
										135.88480		141.22890		
										2,362.12320		166.91940		
										454.35280		244.67560		
										192.51840		110.68856		
										257,039.70460	37.83711			
										221,882.59105	31.97231			
										82,436.81988	42.25009			
										11,779.10720		147.48219		

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	
1	UP or DOWN ARROW in column A to	Energy Consumption and Greenhouse Gas Emissions Reporting - for 2012															
2	Confirm consecutive 12-mth period (mth-yr to mth-yr)																
3	Sector																
4	Agency Sub-sector																Town
5	Organization Name	Town of Fort Frances	Please fill in the mandatory fields indicated in red, in addition to submitting data on your energy usage.														
6																	
7											Electricity		Natural Gas		Fuel Oil 1 & 2		Fuel Oil 4
8	Operation Name	Operation Type	Address	City	Postal Code	Total Floor Area	Unit	Avg hrs/wk	Annual Flow (Mega Litres)		Quantity	Unit	Quantity	Unit	Quantity	Unit	Quantity
9	Stephenson Building	Administrative offices and related facilities, including municipal council chambers	2160 Yonge Street	Toronto	M7A 2G5	135034	Square meters	70	23516.00224		2181065	kWh	125300	Cubic meter		Litre	
10	Museum	Cultural facilities	259 Scott St.	Fort Frances	P9A 1G8	9359	Square feet	40	0		106788	kWh	4520.415	Cubic Meter	0	Litre	0
11	Sister Kennedy Centre	Community centres	401 Nelson St.	Fort Frances	P9A 1B3	7366	Square feet	40	0		72851.67	kWh	7780.25	Cubic Meter	0	Litre	0
12	East End Hall	Community centres	1227 5th St. E.	Fort Frances	P9A 3P9	6184	Square feet	8	0		10562.67	kWh	4036.382	Cubic Meter	0	Litre	0
13	Public Works	Storage facilities where equipment or vehicles are maintained, repaired or stored	900 wright Ave	Fort Frances	P9A 3J9	15591	Square feet	50	0		134694.4	kWh	20129.06	Cubic Meter	0	Litre	0
14	Riverview Cemetery	Storage facilities where equipment or vehicles are maintained, repaired or stored	1319 Colonization Road	Fort Frances	P9A 2T6	2535	Square feet	40	0		40175.43	kWh	0	Cubic Meter	0	Litre	0
15	Fort Frances Cemetery	Storage facilities where equipment or vehicles are maintained, repaired or stored	401 Kings Highway	Fort Frances	P9A 3P9	4225	Square feet	40	0		75305.02	kWh	0	Cubic Meter	0	Litre	0
16	Sunny Cove	Community centres	#960 Highway 11	Fort Frances	P9A 3P9	15000	Square feet	33	0		15123	kWh	0	Cubic Meter	0	Litre	0
17	Civic Centre Administration	Administrative offices and related facilities, including municipal council chambers	320 Portage Ave.	Fort Frances	P9A 3P9	17636	Square feet	40	0		262791.1	kWh	12139.75	Cubic Meter	0	Litre	0
18	Civic Centre OPP Offices	Police stations and associated offices and facilities	320 Portage Ave.	Fort Frances	P9A 3P9	6197.12	Square feet	168	0		262791.1	kWh	12139.75	Cubic Meter	0	Litre	0
19	Civic Centre Fire Hall	Fire stations and associated offices and facilities	320 Portage Ave.	Fort Frances	P9A 3P9	12468.4	Square feet	168	0		131395.5	kWh	6069.874	Cubic Meter	0	Litre	0
20	Fort Frances Library and Technology Centre	Public libraries	601 Reid Ave.	Fort Frances	P9A 0A2	15000	Square feet	50	0		271471	kWh	2080.782	Cubic Meter	0	Litre	0
21	Water Treatment Plant	Facilities related to the treatment of water	901 Colonization Road	Fort Frances	P9A 3P9	0	Square feet	40	1591.67		721579.1	kWh	54823.59	Cubic Meter	0	Litre	0
22	Sewage Treatment Plant	Facilities related to the treatment of sewage	2 McIrvine Road	Fort Frances	P9A 3P9	0	Square feet	40	2042.078		1510820	kWh	44344.58	Cubic Meter	0	Litre	0
23	Church St. Lift Station	Facilities related to the pumping of sewage	325 Minnie Ave	Fort Frances	P9A 3P9	0	Square feet	1	9.565		132438.8	kWh	0	Cubic Meter	0	Litre	0
24	White Pine Lift Station	Facilities related to the pumping of sewage	740 Scott St.	Fort Frances	P9A 3P9	0	Square feet	1	135.01		24395.65	kWh	0	Cubic Meter	0	Litre	0
25	Boundary Road Lift Station	Facilities related to the pumping of sewage	1715 Colonization Road	Fort Frances	P9A 3P9	0	Square feet	1	5.606		7412.81	kWh	0	Cubic Meter	0	Litre	0
26	Patcin Ave. Lift Station	Facilities related to the pumping of sewage	932 Kaitlyn Drive.	Fort Frances	P9A 3P9	0	Square feet	1	13.745		1957.51	kWh	0	Cubic Meter	0	Litre	0
27	Ice For Kids Arena	Indoor ice rinks	720 Scott St.	Fort Frances	P9A 1H8	56037.24	Square feet	100	0		1105328	kWh	71791.05	Cubic Meter	0	Litre	0
28	52 Canadians Arena	Indoor ice rinks	720 Scott St.	Fort Frances	P9A 1H8	53883.92	Square feet	100	0		746591.7	kWh	68975.72	Cubic Meter	0	Litre	0
29	Memorial Sportsplex	Indoor swimming pools	720 Scott St.	Fort Frances	P9A 1H8	16687.94	Square feet	100	0		383216.8	kWh	24841.2	Cubic Meter	0	Litre	0
30	Central Ave Lift Station	Facilities related to the pumping of sewage	712 Central Ave	Fort Frances	P9A 3P9	0	Square feet	1	748.07		132438.8	kWh	0	Cubic Meter	0	Litre	0
31	5th Street Lift Station	Facilities related to the pumping of sewage	1330 5th Street E.	Fort Frances	P9A 3P9	0	Square feet	1	341.71		37275.87	kWh	0	Cubic Meter	0	Litre	0

	Q	R	S	T	U	V	W	X	Y	Z	AA	AB	AC	AD	AE	AF	AG	AH	AI	AJ
1																				
2																				
3																				
4																				
5																				
6	Energy Type and Amount Purchased and Consumed in Natural Units															Total (calculated in webform)				Comments
7 & 6	Propane		Coal		Wood		District Heating				District Cooling				GHG Emissions (Kg)	Energy Intensity (ekWh/sqft)	Energy Intensity (ekWh/Mega Litre)	Building / Operation Identifier		
8	Unit	Quantity	Unit	Quantity	Unit	Quantity	Unit	Quantity	Unit	Renewable?	If Yes, enter Emission Factor	Quantity	Unit	Renewable?					If Yes, enter Emission Factor	
9	Litre	Litre	Litre	Metric Tonne	Metric Tonne	26.73	Giga Joule	No		0	20.506	Giga Joule	No		0	max. 255 characters				
10	Litre	0 Litre	0 Litre	0 Metric Tonne	0 Metric Tonne	0	Giga Joule				0	Giga Joule				18802.33817	16.54343013	0		
11	Litre	0 Litre	0 Litre	0 Metric Tonne	0 Metric Tonne	0	Giga Joule				0	Giga Joule				21706.2251	21.11572522	0		
12	Litre	0 Litre	0 Litre	0 Metric Tonne	0 Metric Tonne	0	Giga Joule				0	Giga Joule				8645.731618	8.644960832	0		
13	Litre	0 Litre	0 Litre	0 Metric Tonne	0 Metric Tonne	0	Giga Joule				0	Giga Joule				50992.5945	22.36043621	0		
14	Litre	0 Litre	0 Litre	0 Metric Tonne	0 Metric Tonne	0	Giga Joule				0	Giga Joule				3858.448297	15.84829586	0		
15	Litre	0 Litre	0 Litre	0 Metric Tonne	0 Metric Tonne	0	Giga Joule				0	Giga Joule				7232.294121	17.82367337	0		
16	Litre	0 Litre	0 Litre	0 Metric Tonne	0 Metric Tonne	0	Giga Joule				0	Giga Joule				1452.41292	1.0082	0		
17	Litre	0 Litre	0 Litre	0 Metric Tonne	0 Metric Tonne	0	Giga Joule				0	Giga Joule				48190.19637	22.21646948	0		
18	Litre	0 Litre	0 Litre	0 Metric Tonne	0 Metric Tonne	0	Giga Joule				0	Giga Joule				48190.19637	63.22447457	0		
19	Litre	0 Litre	0 Litre	0 Metric Tonne	0 Metric Tonne	0	Giga Joule				0	Giga Joule				24095.09149	15.71210158	0		
20	Litre	0 Litre	0 Litre	0 Metric Tonne	0 Metric Tonne	0	Giga Joule				0	Giga Joule				30006.05747	19.57233914	0		
21	Litre	0 Litre	0 Litre	0 Metric Tonne	0 Metric Tonne	0	Giga Joule				0	Giga Joule				172951.4163	0	819.4110518		
22	Litre	0 Litre	0 Litre	0 Metric Tonne	0 Metric Tonne	0	Giga Joule				0	Giga Joule				228938.2131	0	970.6310471		
23	Litre	0 Litre	0 Litre	0 Metric Tonne	0 Metric Tonne	0	Giga Joule				0	Giga Joule				12719.42235	0	13846.18923		
24	Litre	0 Litre	0 Litre	0 Metric Tonne	0 Metric Tonne	0	Giga Joule				0	Giga Joule				2342.958226	0	180.6951337		
25	Litre	0 Litre	0 Litre	0 Metric Tonne	0 Metric Tonne	0	Giga Joule				0	Giga Joule				711.9262724	0	1322.299322		
26	Litre	0 Litre	0 Litre	0 Metric Tonne	0 Metric Tonne	0	Giga Joule				0	Giga Joule				187.9992604	0	142.4161513		
27	Litre	0 Litre	0 Litre	0 Metric Tonne	0 Metric Tonne	0	Giga Joule				0	Giga Joule				241885.7986	33.34045842	0		
28	Litre	0 Litre	0 Litre	0 Metric Tonne	0 Metric Tonne	0	Giga Joule				0	Giga Joule				202110.0254	27.45995968	0		
29	Litre	0 Litre	0 Litre	0 Metric Tonne	0 Metric Tonne	0	Giga Joule				0	Giga Joule				83769.5849	38.78390826	0		
30	Litre	0 Litre	0 Litre	0 Metric Tonne	0 Metric Tonne	0	Giga Joule				0	Giga Joule				12719.42235	0	177.0406513		
31	Litre	0 Litre	0 Litre	0 Metric Tonne	0 Metric Tonne	0	Giga Joule				0	Giga Joule				3579.974555	0	109.086272		

Press TAB to move to input areas. Press		Energy Consumption and Greenhouse Gas Emissions Reporting - for 2013															
Confirm consecutive 12-mth period (mth-yr to mth-yr)		Jan/2013 - Dec/2013		Please fill in the mandatory fields indicated in red, in addition to submitting data on your energy usage.													
Sector		Municipality															
Agency Sub-sector		Municipal															
Organization Name		Town of Fort Frances															
Operation Name	Operation Type	Address	City	Postal Code	Total Floor Area	Unit	Avg hrs/wk	Annual Flow (Mega Litres)									
									Electricity		Natural Gas		Fuel Oil 1 & 2		Fuel Oil 4 & 6		
									Quantity	Unit	Quantity	Unit	Quantity	Unit	Quantity	Unit	
Stephenson Building	Administrative offices and related facilities, including municipal council chambers	2160 Yonge Street	Toronto	M7A 2G5	135,034.00	Square meters	70	23516.00224	2,181,065.00000	kWh	125,300.00000	Cubic meter	Litre	Litre			
Civic Centre Administration	Administrative offices and related facilities, including municipal council chambers	320 Portage Ave.	Fort Frances	P9A 3P9	17,636.00	Square feet	40	0.00000	600,197.30000	kWh	57,672.15000	Cubic Meter					
East End Hall	Community centres	1227 5th St. E.	Fort Frances	P9A 3P9	6,184.00	Square feet	8	0.00000	11,759.80000	kWh	6,208.96300	Cubic Meter					
Fort Frances Cemetery	Storage facilities where equipment or vehicles are maintained, repaired or stored	401 Kings Highway	Fort Frances	P9A 3P9	4,225.00	Square feet	40	0.00000	76,616.41000	kWh							
Fort Frances Library and Technology	Public libraries	601 Reid Ave.	Fort Frances	P9A 0A2	15,000.00	Square feet	50	0.00000	64,159.00000	kWh	5,708.24000	Cubic Meter					
Memorial Sportsplex	Indoor recreational facilities	720 Scott St.	Fort Frances	P9A 1H8	107,000.00	Square feet	100	0.00000	20,707,590.00000	kWh	271,131.60000	Cubic Meter					
Museum	Cultural facilities	259 Scott St.	Fort Frances	P9A 1G8	9,359.00	Square feet	40	0.00000	100,700.00000	kWh	7,761.20500	Cubic Meter					
Public Works	Storage facilities where equipment or vehicles are maintained, repaired or stored	900 wright Ave	Fort Frances	P9A 3J9	15,591.00	Square feet	50	0.00000	122,535.20000	kWh	40,010.54000	Cubic Meter					
Riverview Cemetery	Storage facilities where equipment or vehicles are maintained, repaired or stored	1319 Colonization Roa	Fort Frances	P9A 2T6	2,535.00	Square feet	40	0.00000	31,618.49000	kWh							
Sewage Treatment Plant	Facilities related to the treatment of sewage	2 Mcirvine Road	Fort Frances	P9A 3P9	0.00		40	2295185.00000	1,438,388.00000	kWh	73,959.55000	Cubic Meter					
Sister Kennedy Centre	Community centres	401 Nelson St.	Fort Frances	P9A 1B3	7,366.00	Square feet	40	0.00000	68,296.65000	kWh	8,598.52400	Cubic Meter					
Sunny Cove	Community centres	#960 Highway 11	Fort Frances	P9A 3P9	15,000.00	Square feet	33	0.00000	14,546.75000	kWh							
Water Treatment Plant	Facilities related to the treatment of water	901 Colonization Roa	Fort Frances	P9A 3P9	0.00		40	1398270.00000	76,177.58000	kWh	85,843.38000	Cubic Meter					

Energy Type and Amount Purchased and Consumed in Natural Units														Total (calculated in webform)									
Propane		Coal		Wood		District Heating				District Cooling				GHG Emissions (Kg)	Energy Intensity (ekWh/sqft)	Energy Intensity (ekWh/Mega Litre)	Building / Operation Identifier	Comments					
Quantity	Unit	Quantity	Unit	Quantity	Unit	Quantity	Unit	Renewable?	If Yes, enter Emission Factor	Quantity	Unit	Renewable?	If Yes, enter Emission Factor										
Litre		Metric Tonne		Metric Tonne		26.73000		Giga Joule		No		0.00000		20.50600		Giga Joule		No		0.00000		max. 255 characters	
														154,658.72111	68.78680	0.00000							
														12,632.71901	12.57233	0.00000							
														5,823.76656	18.13406	0.00000							
														15,669.00657	8.32166	0.00000							
														2,086,634.05459	220.45903	0.00000							
														22,327.95213	19.57307	0.00000							
														84,959.15283	35.13298	0.00000							
														2,403.38466	12.47278	0.00000							
														249,164.67079	0.00000	0.96917							
														21,447.96659	21.67796	0.00000							
														1,105.72756	0.96978	0.00000							
														168,088.22221	0.00000	0.70695							