

Energy Consumption and GHG Emissions

From: 2012-01-01 To: 2012-12-31

Facility Name	Address	Total Area (m2)	Average Hours/Day	Fuel Types	Consumption	Energy (ekWh/yr)	GHG Emissions (kg CO2e/yr)	GHG Intensity (kg CO2e/m2)	Energy Intensity
Facility Primary Type: Office									
Municipal Office	1593 Four Mile Creek Rd	464	9.04	NG	9,093.00 m3	96,638.38	17,191.47	37.05	208.27 (ekWh/m2)
				Elect.	218,080.00 kWh	218,080.00	20,944.40	45.14	470.00 (ekWh/m2)
PW Office	1593 Four Mile Creek Rd	1,470	9.04	NG	11,288.00 m3	119,966.35	21,341.40	14.52	81.61 (ekWh/m2)
				Elect.	111,574.00 kWh	111,574.00	10,715.57	7.29	75.90 (ekWh/m2)
Facility Type Total						546,258.72	70,192.84		
Facility Primary Type: Library									
Library	10 Anderson Lane	946	7.95	NG	15,278.00 m3	162,371.18	28,885.00	30.53	171.64 (ekWh/m2)
				Elect.	109,065.00 kWh	109,065.00	10,474.60	11.07	115.29 (ekWh/m2)
Library	32 Queenston St	167	8.77	NG	5,283.00 m3	56,146.55	9,988.18	59.81	336.21 (ekWh/m2)
				Elect.	4,472.00 kWh	4,472.00	429.49	2.57	26.78 (ekWh/m2)
Facility Type Total						332,054.72	49,777.28		
Facility Primary Type: Fire									
Fire Station 1	2 Anderson Lane	929	24	NG	22,349.00 m3	237,520.19	42,253.62	45.48	255.67 (ekWh/m2)
				Elect.	66,318.00 kWh	66,318.00	6,369.18	6.86	71.39 (ekWh/m2)
Fire Station 2	745 Warner Rd	585	24	NG	11,266.00 m3	119,732.54	21,299.80	36.41	204.67 (ekWh/m2)
				Elect.	32,711.00 kWh	32,711.00	3,141.56	5.37	55.92 (ekWh/m2)
Fire Station 4	5 Dumfries St	465	24	NG	7,556.00 m3	80,303.48	14,285.58	30.72	172.70 (ekWh/m2)
				Elect.	27,234.00 kWh	27,234.00	2,615.55	5.62	58.57 (ekWh/m2)

Facility Name	Address	Total Area (m2)	Average Hours/Day	Fuel Types	Consumption	Energy (ekWh/yr)	GHG Emissions (kg CO2e/yr)	GHG Intensity (kg CO2e/m2)	Energy Intensity
Fire Station 5	350 Townline Rd	836	24	NG	13,353.00 m3	141,912.71	25,245.54	30.2	169.75 (ekWh/m2)
				Elect.	56,515.00 kWh	56,515.00	5,427.70	6.49	67.60 (ekWh/m2)
Fire Station 3	1391 Conc Rd 6	976	24	NG	13,556.00 m3	144,070.15	25,629.34	26.26	147.61 (ekWh/m2)
				Elect.	70,812.00 kWh	70,812.00	6,800.78	6.97	72.55 (ekWh/m2)
Facility Type Total						977,129.06	153,068.67		
Facility Primary Type: Community Centre									
Community Centre	29 Platoff St	2,787	8.22	NG	5,822.00 m3	61,874.92	11,007.23	3.95	22.20 (ekWh/m2)
				Elect.	6,866.00 kWh	6,866.00	659.41	0.24	2.46 (ekWh/m2)
Community Centre: Board Rooms	14 Anderson Lane	1,811	12.82	NG	34,936.08 m3	371,292.83	66,051.09	36.47	205.02 (ekWh/m2)
				Elect.	286,083.69 kWh	286,083.69	27,475.48	15.17	157.97 (ekWh/m2)
Community Centre: Auditorium	14 Anderson Lane	418	12.82	NG	8,063.66 m3	85,698.73	15,245.36	36.47	205.02 (ekWh/m2)
				Elect.	66,031.46 kWh	66,031.46	6,341.66	15.17	157.97 (ekWh/m2)
Community Centre: Café	14 Anderson Lane	186	12.82	NG	3,588.13 m3	38,133.89	6,783.82	36.47	205.02 (ekWh/m2)
				Elect.	29,382.42 kWh	29,382.42	2,821.89	15.17	157.97 (ekWh/m2)
Community Centre: Track	14 Anderson Lane	186	12.82	NG	3,588.13 m3	38,133.89	6,783.82	36.47	205.02 (ekWh/m2)
				Elect.	29,382.42 kWh	29,382.42	2,821.89	15.17	157.97 (ekWh/m2)
Facility Type Total						1,012,880.26	145,991.66		
Facility Primary Type: Recreation Complex									
VBA Building	1567 Four Mile Creek Rd	268	5.75	Elect.	21,283.00 kWh	21,283.00	2,044.02	7.63	79.41 (ekWh/m2)
Facility Type Total						21,283.00	2,044.02		
Facility Primary Type: Other									
Old Firehall - Air Cadets	1607 Four Mile Creek Rd								

Facility Name	Address	Total Area (m2)	Average Hours/Day	Fuel Types	Consumption	Energy (ekWh/yr)	GHG Emissions (kg CO2e/yr)	GHG Intensity (kg CO2e/m2)	Energy Intensity
		290		0.07 NG	3,819.00 m3	40,587.48	7,220.30	24.9	139.96 (ekWh/m2)
				Elect.	3,544.00 kWh	3,544.00	340.37	1.17	12.22 (ekWh/m2)
Conc 5 Bulk Water	615 Concession 5								
		9	9.97	Elect.	3,432.00 kWh	3,432.00	329.61	36.62	1,410.72 (ekWh/ML)
Court House	26 Queen St								
		1,300	15.89	NG	18,114.00 m3	192,511.55	34,246.82	26.34	148.09 (ekWh/m2)
				Elect.	256,960.00 kWh	256,960.00	24,678.44	18.98	197.66 (ekWh/m2)
Irrigation Pump House (D-Road)	88 Queenston St								
		50	6.85	Elect.	434,881.00 kWh	434,881.00	41,765.97	835.32	180.77 (ekWh/ML)
Irrigation Pump House	Concession 3/ Line 1								
		4	0.55	Elect.	11,346.00 kWh	11,346.00	1,089.67	272.42	540.29 (ekWh/ML)
Virgil Bulk Water	11 Walker Rd								
		9	9.97	Elect.	5,034.00 kWh	5,034.00	483.47	53.72	120.14 (ekWh/ML)
Wading Pool	25 Picton St								
		1,500	14	Elect.	4,143.00 kWh	4,143.00	397.89	0.27	2.76 (ekWh/m2)
Cemetary BRD: Shop	1483 Lakeshore Rd								
		114	6.05	NG	2,230.19 m3	23,701.95	4,216.46	36.99	207.91 (ekWh/m2)
				Elect.	5,459.68 kWh	5,459.68	524.35	4.6	47.89 (ekWh/m2)
Cemetary BRD: Office	1483 Lakeshore Rd								
		108	6.05	NG	2,112.81 m3	22,454.48	3,994.54	36.99	207.91 (ekWh/m2)
				Elect.	5,172.32 kWh	5,172.32	496.75	4.6	47.89 (ekWh/m2)
St. Davids Pool: Pool (m3)	1446 York Rd								
		490,000	2.4	NG	6,266.80 m3	66,602.19	11,848.19	0.02	0.14 (ekWh/m2)
				Elect.	20,931.35 kWh	20,931.35	2,010.25	0	0.04 (ekWh/m2)
St. Davids Pool: Changerooms	1446 York Rd								
		138	2.4	NG	.20 m3	2.08	0.37	0	0.02 (ekWh/m2)
				Elect.	.65 kWh	0.65	0.06	0	0.00 (ekWh/m2)
Main St Public Washrooms	92 Queen St								
		95	14	Elect.	10,092.00 kWh	10,092.00	969.24	10.2	106.23 (ekWh/m2)
Public Washrooms	14 Market St								
		158	14	NG	2,978.00 m3	31,649.52	5,630.29	35.63	200.31 (ekWh/m2)
				Elect.	33,359.00 kWh	33,359.00	3,203.80	20.28	211.13 (ekWh/m2)

Facility Name	Address	Total Area (m2)	Average Hours/Day	Fuel Types	Consumption	Energy (ekWh/yr)	GHG Emissions (kg CO2e/yr)	GHG Intensity (kg CO2e/m2)	Energy Intensity
NOTL Pool: Pool (m3)	370 King St	662,445		2.4 NG	30,425.48 m3	323,355.26	57,523.24	0.09	0.49 (ekWh/m2)
				Elect.	49,641.53 kWh	49,641.53	4,767.57	0.01	0.07 (ekWh/m2)
NOTL Pool: Changerooms	370 King St	297		2.4 NG	1.52 m3	16.11	2.87	0.01	0.05 (ekWh/m2)
				Elect.	2.47 kWh	2.47	0.24	0	0.01 (ekWh/m2)
Public Washrooms	Queens Royal Park	58	5.75	Elect.	3,283.00 kWh	3,283.00	315.30	5.44	56.60 (ekWh/m2)
Visitor Information Centre	41 Queen's Parade	107	5.75	Elect.	37,185.00 kWh	37,185.00	3,571.25	33.38	347.52 (ekWh/m2)
Facility Type Total						1,585,347.64	209,627.28		
Facility Primary Type: Water Treatment Facility									
Whirlpool	3064 Whirlpool Rd	50	5.48	Elect.	85,800.00 kWh	85,800.00	8,240.23	164.8	127.42 (ekWh/ML)
Facility Type Total						85,800.00	8,240.23		
Facility Primary Type: Single-Pad Arena									
Centennial Arena	1565 Four Mile Creek Rd	2,995	18.63	NG	81,197.00 m3	862,943.61	153,513.24	51.26	288.13 (ekWh/m2)
				Elect.	507,600.00 kWh	507,600.00	48,749.90	16.28	169.48 (ekWh/m2)
Meridian Credit Union Arena	1567 Four Mile Creek Rd	3,174	18.63	Elect.	845,919.00 kWh	845,919.00	81,242.06	25.6	266.52 (ekWh/m2)
Facility Type Total						2,216,462.61	283,505.21		
Facility Primary Type: Streetlights (optional)									
Town Streetlighting (# of lights)		1,598	3.29	Elect.	851,713.00 kWh	851,713.00	81,798.52	51.19	532.99 (ekWh/m2)
Rural Streetlighting (# of lights)		395	8	Elect.	210,329.00 kWh	210,329.00	20,200.00	51.14	532.48 (ekWh/m2)
Facility Type Total						1,062,042.00	101,998.51		
Grand Total						7,839,258.01	1,024,445.69		