

2011 Energy Consumption and GHG Emissions

From: 2011-01-01 To: 2011-12-31

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	11,008.00 m3	116,990.57	20,812.02	44.85	252.13 (ekWh/m2)
				Elect.	204,280.00 kWh	204,280.00	19,619.05	42.28	440.26 (ekWh/m2)
PW Office	1593 Four Mile Creek Rd	1,470	9.04	NG	15,879.00 m3	168,758.47	30,021.27	20.42	114.80 (ekWh/m2)
				Elect.	114,300.00 kWh	114,300.00	10,977.37	7.47	77.76 (ekWh/m2)
Facility Type Total						604,329.04	81,429.71		
Facility Primary Type: Library									
Library	10 Anderson Lane	946	7.95	NG	21,598.00 m3	229,538.73	40,833.76	43.16	242.64 (ekWh/m2)
				Elect.	114,300.00 kWh	114,300.00	10,977.37	11.6	120.82 (ekWh/m2)
Library	32 Queenston St	167	8.77	NG	8,305.00 m3	88,263.69	15,701.66	94.02	528.53 (ekWh/m2)
				Elect.	4,855.00 kWh	4,855.00	466.27	2.79	29.07 (ekWh/m2)
Facility Type Total						436,957.42	67,979.07		
Facility Primary Type: Fire									
Fire Station 1	2 Anderson Lane	929	24	NG	39,505.00 m3	419,850.33	74,689.22	80.4	451.94 (ekWh/m2)
				Elect.	68,440.00 kWh	68,440.00	6,572.98	7.08	73.67 (ekWh/m2)
Fire Station 2	745 Warner Rd	585	24	NG	12,381.00 m3	131,582.51	23,407.85	40.01	224.93 (ekWh/m2)
				Elect.	30,075.00 kWh	30,075.00	2,888.40	4.94	51.41 (ekWh/m2)
Fire Station 4	5 Dumfries St	465	24	NG	9,662.00 m3	102,685.58	18,267.24	39.28	220.83 (ekWh/m2)
				Elect.	22,592.00 kWh	22,592.00	2,169.74	4.67	48.58 (ekWh/m2)
Fire Station 5	350 Townline Rd	836	24	NG	18,605.00 m3	197,729.79	35,175.12	42.08	236.52 (ekWh/m2)
				Elect.	55,440.00 kWh	55,440.00	5,324.46	6.37	66.32 (ekWh/m2)
Fire Station 3	1391 Conc Rd 6	976	24	NG	14,981.00 m3	159,214.73	28,323.48	29.02	163.13 (ekWh/m2)
				Elect.	70,200.00 kWh	70,200.00	6,742.01	6.91	71.93 (ekWh/m2)
Facility Type Total						1,257,809.94	203,560.49		

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Facility Primary Type: Community Centre									
Community Centre	29 Platoff St	2,787	8.22	NG	7,395.00 m3	78,592.41	13,981.19	5.02	28.20 (ekWh/m2)
				Elect.	17,273.00 kWh	17,273.00	1,658.90	0.6	6.20 (ekWh/m2)
Community Centre: Board Rooms	14 Anderson Lane	1,811	12.82	NG	57,598.99 m3	612,149.23	108,898.21	60.13	338.02 (ekWh/m2)
				Elect.	279,399.49 kWh	279,399.49	26,833.53	14.82	154.28 (ekWh/m2)
Community Centre: Auditorium	14 Anderson Lane	418	12.82	NG	13,294.52 m3	141,291.21	25,134.98	60.13	338.02 (ekWh/m2)
				Elect.	64,488.67 kWh	64,488.67	6,193.49	14.82	154.28 (ekWh/m2)
Community Centre: Café	14 Anderson Lane	186	12.82	NG	5,915.74 m3	62,871.21	11,184.47	60.13	338.02 (ekWh/m2)
				Elect.	28,695.92 kWh	28,695.92	2,755.96	14.82	154.28 (ekWh/m2)
Community Centre: Track	14 Anderson Lane	186	12.82	NG	5,915.74 m3	62,871.21	11,184.47	60.13	338.02 (ekWh/m2)
				Elect.	28,695.92 kWh	28,695.92	2,755.96	14.82	154.28 (ekWh/m2)
Facility Type Total							1,376,328.26	210,581.14	
Facility Primary Type: Recreation Complex									
VBA Building	1567 Four Mile Creek Rd	268	5.75	Elect.	17,974.00 kWh	17,974.00	1,726.22	6.44	67.07 (ekWh/m2)
Facility Type Total							17,974.00	1,726.22	
Facility Primary Type: Other									
Old Firehall - Air Cadets	1607 Four Mile Creek Rd	290	0.07	NG	5,075.00 m3	53,935.97	9,594.93	33.09	185.99 (ekWh/m2)
				Elect.	4,812.00 kWh	4,812.00	462.14	1.59	16.59 (ekWh/m2)
Conc 5 Bulk Water	615 Concesssion 5	9	9.97	Elect.	4,184.00 kWh	4,184.00	401.83	44.65	1,248.96 (ekWh/ML)
Court House	26 Queen St	1,300	15.89	NG	25,958.00 m3	275,875.84	49,076.90	37.75	212.21 (ekWh/m2)
				Elect.	272,960.00 kWh	272,960.00	26,215.08	20.17	209.97 (ekWh/m2)
Irrigation Pump Hou	88 Queenston St	50	6.85	Elect.	311,585.00 kWh	311,585.00	29,924.62	598.49	191.90 (ekWh/ML)
Irrigation Pump House	Concession 3/ Line 1	4	0.55	Elect.	7,246.00 kWh	7,246.00	695.91	173.98	345.05 (ekWh/ML)
Virgil Bulk Water	11 Walker Rd	9	9.97	Elect.	7,666.00 kWh	7,666.00	736.24	81.8	203.88 (ekWh/ML)
Wading Pool	25 Picton St	1,500	14	Elect.	4,018.00 kWh	4,018.00	385.89	0.26	2.68 (ekWh/m2)

Facility Name	Address	Total Area (m2)	Average	Fuel Types	Consumption	Energy (ekWh/yr)	GHG Emissions	GHG Intensity (kg	Energy Intensity		
			Hours/Day				(kg CO2e/yr)	CO2e/m2)			
Cemetery BRD: Shop		1483 Lakeshore Rd									
		114	6.05	NG	2,601.97 m3	27,653.19	4,919.36	43.15	242.57 (ekWh/m2)		
				Elect.	5,456.59 kWh	5,456.59	524.05	4.6	47.86 (ekWh/m2)		
Cemetery BRD: Office		1483 Lakeshore Rd									
		108	6.05	NG	2,465.03 m3	26,197.76	4,660.45	43.15	242.57 (ekWh/m2)		
				Elect.	5,169.41 kWh	5,169.41	496.47	4.6	47.86 (ekWh/m2)		
St. Davids Pool: Pool (Litres)		1446 York Rd									
		490,000	2.4	NG	6,207.81 m3	65,975.18	11,736.65	0.02	0.13 (ekWh/L)		
				Elect.	18,691.42 kWh	18,691.42	1,795.12	0	0.04 (ekWh/L)		
St. Davids Pool: Changerooms		1446 York Rd									
		138	2.4	NG	.19 m3	2.06	0.37	0	0.01 (ekWh/m2)		
				Elect.	.58 kWh	0.58	0.06	0	0.00 (ekWh/m2)		
Main St Public Washrooms		92 Queen St									
		95	14	Elect.	11,003.00 kWh	11,003.00	1,056.73	11.12	115.82 (ekWh/m2)		
Public Washrooms		14 Market St									
		158	14	NG	3,363.00 m3	35,741.21	6,358.18	40.24	226.21 (ekWh/m2)		
				Elect.	39,307.00 kWh	39,307.00	3,775.04	23.89	248.78 (ekWh/m2)		
NOTL Pool: Pool (Litres)		370 King St									
		662,445	2.4	NG	30,508.48 m3	324,237.32	57,680.16	0.09	0.49 (ekWh/L)		
				Elect.	87,915.62 kWh	87,915.62	8,443.42	0.01	0.13 (ekWh/L)		
NOTL Pool: Changerooms		370 King St									
		297	2.4	NG	1.52 m3	16.15	2.87	0.01	0.05 (ekWh/m2)		
				Elect.	4.38 kWh	4.38	0.42	0	0.01 (ekWh/m2)		
Public Washrooms		Queens Royal Park									
		58	5.75	Elect.	3,600.00 kWh	3,600.00	345.74	5.96	62.07 (ekWh/m2)		
Visitor Information (		41 Queen's Parade									
		107	5.75	Elect.	37,130.00 kWh	37,130.00	3,565.97	33.33	347.01 (ekWh/m2)		
Facility Type Total							1,630,383.68	222,854.59			
Facility Primary Type: Water Treatment Facility											
Whirlpool		3064 Whirlpool Rd									
		50	5.48	Elect.	50,500.00 kWh	50,500.00	4,850.02	97	144.36 (ekWh/ML)		
Facility Type Total							50,500.00	4,850.02			
Facility Primary Type: Single-Pad Arena											
Centennial Arena		1565 Four Mile Creek Rd									
		2,995	18.63	NG	91,466.00 m3	972,080.25	172,928.09	57.74	324.57 (ekWh/m2)		
				Elect.	531,600.00 kWh	531,600.00	51,054.86	17.05	177.50 (ekWh/m2)		
Meridian Credit Union Arena		1567 Four Mile Creek Rd									
		3,174	18.63	Elect.	738,956.00 kWh	738,956.00	70,969.33	22.36	232.82 (ekWh/m2)		
Facility Type Total							2,242,636.25	294,952.29			

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Facility Primary Type: Streetlights (optional)									
Town Streetlighting (# of lights)									
		1,598	3.29	Elect.	751,484.00 kWh	751,484.00	72,172.52	45.16	470.27 (ekWh/fixture)
Rural Streetlighting (# of lights)									
		395	8	Elect.	186,850.00 kWh	186,850.00	17,945.07	45.43	473.04 (ekWh/fixture)
Facility Type Total						938,334.00	90,117.60		
Grand Total						8,555,252.59	1,178,051.12		