

Energy Consumption and Emissions

From: 2023-01-01 To: 2023-12-31

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Energy Consumption and Emissions

From: 2023-01-01 To: 2023-12-31

Natural Gas

Facility Type: Office

Facility Name	Address	Total Area (m2)	Average Hours/ Day	Consumption (m3)	Cost (\$)	Energy (eKWh/ yr)	GHG Emissions (KgCO2e/ yr)	GHG Intensity (KgCo2e/ m2)	Energy Intensity (eKWh/ m2)
Northumberland County Headquarters	555 Courthouse Road	4,042	6.43	2,217.00	1,480.31	23,561.78	4,191.50	1.03	5.83
Courthouse And POA Office	860 William Street	4,370	6.43	47,395.00	29,839.35	503,703.49	89,605.83	20.50	115.26
Cobourg Food4All and EMS Station	600 William Street	1,182	12	21,373.46	13,893.59	227,152.38	92,279.16	78.07	438.86
Material Recovery Facility	280 Edwardson Road	486	6	16,283.96	8,580.87	173,062.31	30,786.75	63.35	356.09
Port Hope EMS Station	423 Croft Street	229	24	3367.75	2027.27	35,791.69	6,638.13	27.80	156.29

Energy Consumption and Emissions

From: 2023-01-01 To: 2023-12-31

Facility Type: Emergency Medical Services

Facility Name	Address	Total Area (m2)	Average Hours/ Day	Consumption (m3)	Cost (\$)	Energy (eKWh/yr)	GHG Emissions (KgCO2e/yr)	GHG Intensity (KgCO2e/m2)	Energy Intensity (eKWh/m2)
Cobourg Food4All and EMS Station	600 William Street	1,517	12	27,430.658	17,831.00	291,526.92	51,860.89	34.18	192.17
Port Hope EMS Station	423 Croft Street	253	24	3,720.83	2,239.81	39,544.17	7,034.67	27.80	156.30
Colbourne Fire/Paramedics Base	232 Purdy Road	1,133	24	20,601.00	19,432.13	218,942.83	38,948.62	34.37	193.24

Facility Type: Long Term Care

Facility Name	Address	Total Area (m2)	Average Hours/Day	Consumption (m3)	Cost (\$)	Energy (eKWh/yr)	GHG Emissions (KgCO2e/yr)	GHG Intensity (KgCO2e/m2)	Energy Intensity (eKWh/m2)
Golden Plough Lodge	983 Burnham Street	9,247	24	326,299.00	165,737.63	3,467,833.01	616,906.69	66.71	375.02

Energy Consumption and Emissions

From: 2023-01-01 To: 2023-12-31

Facility Type: Public Works

Facility Name	Address	Total Area (m2)	Average Hours/ Day	Consumption (m3)	Cost (\$)	Energy (eKWh/ yr)	GHG Emissions (KgCO2e/ yr)	GHG Intensity (KgCO2e/ m2)	Energy Intensity (eKWh/ m2)
Veronica Roads Yard Quonset Garage	60 Elgin Street	371	5.71	5,514.00	3,095.71	58,601.56	10,424.86	28.09	157.95
Material Recovery Facility	280 Edwardson Road	2,296	6	76,899.08	40,522.17	817,266.22	145386.75	63.32	355.95
Veronica Roads Yard Waste Garage	60 Elgin Street	298	4.57	12,780.00	4,151.12	135,822.99	24,162.09	81.08	455.78

Energy Consumption and Emissions

From: 2023-01-01 To: 2023-12-31

Facility Type: Storage Facility

Facility Name	Address	Total Area (m2)	Average Hours/Day	Consumption (m3)	Cost (\$)	Energy (eKWh/yr)	GHG Emissions (KgCO2e/yr)	GHG Intensity (KgCO2e/m2)	Energy Intensity (eKWh/m2)
OAFVC	216 Purdy Road	6400	6.43	45,588.00	12,997.66	484,499.10	86,189.48	13.47	75.70

Facility Type: Depot

Facility Name	Address	Total Area (m2)	Average Hours/Day	Consumption (m3)	Cost (\$)	Energy (eKWh/yr)	GHG Emissions (KgCO2e/yr)	GHG Intensity (KgCO2e/m2)	Energy Intensity (eKWh/m2)
Veronica Roads Yard Depot	60 Elgin Street	1121	6.43	3,384.00	1,328.18	35,964.40	6,397.85	5.71	32.08

Energy Consumption and Emissions

From: 2023-01-01 To: 2023-12-31

Electricity

Facility Type: Office

Facility Name	Address	Total Area (m2)	Average Hours/ Day	Consumption (KWh)	Cost (\$)	Energy (eKWh/ yr)	GHG Emissions (KgCO2e/ yr)	GHG Intensity (KgCO2e/ m2)	Energy Intensity (eKWh/ m2)
Northumberland County Headquarters	555 Courthouse Road	4,042	6.43	676,388.00	103,592.59	676,388.00	120,325.36	29.77	167.34
Courthouse and POA Office	860 William Street	4,370	6.43	594,685.57	89,274.57	594,685.57	105,790.99	24.20	136.08
Cobourg Food4All and EMS Station	600 William Street	1182	12	172,039.65	25,950.23	172,039.65	30,604.70	25.89	145.54
Material Recovery Facility	280 Edwardson Road	486	6	85,553.22	26,171.81	85,553.22	15,219.40	31.31	176.03
Morganston Roads Department	4218 County Roads 25	140	8	12,281.72	2,409.75	12,281.72	2,184.84	15.61	87.73
Bewdley Transfer Station	7650 Oak Ridges Drive	24	6.57	25,084.85	5,249.27	25,084.85	4,462.44	185.93	1,045.20
Brighton Landfill	1112 County Road 26	34	6.57	33,767.61	7,094.09	33,761.61	6,005.98	176.65	992.98

Energy Consumption and Emissions

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Seymour Transfer Station	344 5 th Line West	35	6.57	17,120.44	3,363.09	17,120.44	3,045.62	87.02	489.16
Port Hope EMS Station	423 Croft Street	229	24	23,317.28	5,143.73	23,317.28	4,184.00	18.11	101.82

Facility Type: Emergency Medical Services

Facility Name	Address	Total Area (m2)	Average Hours/ Day	Consumption (KWh)	Cost (\$)	Energy (eKWh/yr)	GHG Emissions (KgCO2e/yr)	GHG Intensity (KgCO2e/m2)	Energy Intensity (eKWh/m2)
Cobourg Food4All and EMS Station	600 William Street	1,517	12	220,795.35	33,304.47	220,795.35	39,278.17	25.89	145.55
Roseneath Roads Yard	10127 Highway 45	57	24	1,983.66	423.95	1,983.66	352.88	6.19	34.80
Port Hope Ems Station	423 Croft Street	253	24	25,761.91	5,683.01	25,761.91	4582.89	18.11	101.83
Colbourne Fire/Paramedics Base	232 Purdy Street	1,133	24	77,220.00	14,425.54	77,220.00	13,736.97	12.12	68.15

Energy Consumption and Emissions

From: 2023-01-01 To: 2023-12-31

Facility Type: Long-Term Care

Facility Name	Address	Total Area (m2)	Average Hours/Day	Consumption (KWh)	Cost (\$)	Energy (eKWh/yr)	GHG Emissions (KgCO2e/yr)	GHG Intensity (KgCO2e/m2)	Energy Intensity (eKWh/m2)
Golden Plough Lodge	983 Burnham Street	9,247	24	1,137,663.75	158,600.32	1,137,663.75	202,383.42	21.89	123.03

Facility Type: Public Works

Facility Name	Address	Total Area (m2)	Average Hours/Day	Consumption (KWh)	Cost (\$)	Energy (eKWh/yr)	GHG Emissions (KgCO2e/yr)	GHG Intensity (KgCO2e/m2)	Energy Intensity (eKWh/m2)
Veronica Roads Yards Quonset Garage	60 Elgin Street	371	5.71	28,084.00	4,315.84	28,084.00	4,995.97	13.46	75.69
Material Recovery Facility	280 Edwardson Road	2,296	6	404,161.83	123,638.19	404,161.83	71,897.96	31.31	176.03
Morganston Roads Yard Depot	4218 County Road 25	501	8	43,953.27	8,623.89	43,953.27	7,819.02	15.61	87.73

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Roseneath Roads Yard	10127 Highway 45	247	24	8,595.87	1,837.10	8,595.87	1,529.15	6.19	34.80
Plainville Sand Dome	8636 Donaldson Road	729	24	8,529.00	1,987.28	8,529.00	1,517.27	2.08	11.69
Veronica Roads Yard Waste Garage	60 Elgin Street	298	4.57	9748.00	1,851.00	9748.00	1,734.11	5.82	32.71
Veronica Roads Yard New Depot	60 Elgin Street	557	6.43	918.91	486.12	918.91	163.47	0.29	1.65

Facility Type: Storage Facility

Facility Name	Address	Total Area (m2)	Average Hours/Day	Consumption (KWh)	Cost (\$)	Energy (eKWh/yr)	GHG Emissions (KgCO2e/yr)	GHG Intensity (KgCO2e/m2)	Energy Intensity (EKWh/m2)
OAFVC	216 Purdy Road	6,400	6.43	317,173.92	61,265.60	317,173.92	56,423.38	8.82	49.56

Energy Consumption and Emissions

From: 2023-01-01 To: 2023-12-31

Facility Type: Depot

Facility Name	Address	Total Area (m2)	Average Hours/Day	Consumption (KWh)	Cost (\$)	Energy (eKWh/yr)	GHG Emissions (KgCO2e/yr)	GHG Intensity (KgCO2e/m2)	Energy Intensity (eKWh/m2)
Veronica Roads Yard Depot	60 Elgin Street	1,121	6.43	60,817.00	9,490.88	60,817.00	10,818.98	9.65	54.25

Propane

Facility Type: Depot

Facility Name	Address	Total Area (m2)	Average Hours/Day	Consumption (L)	Cost (\$)	Energy (eKWh/yr)	GHG Emissions (KgCO2e/yr)	GHG Intensity (KgCO2e/m2)	Energy Intensity (eKWh/m2)
Roseneath Depot & Morganston Depot	10127 Highway 45 & 4218 County Road 25	805	24	36,220.00	31,038.00	254,646.70	45,300.12	56.27	316.33

Energy Consumption and Emissions

From: 2023-01-01 To: 2023-12-31

Totals

Totals By Energy Type

Energy Type:	Cost (\$)	Energy (eKWh/yr)	GHG Emissions (CO2e/yr)
Natural Gas	323,156.80	6,513,272.85	1,210,813.00
Electricity	535,582.00	2,847,975.06	506,673.55
Propane	31,038.00	254,646.70	45,300.12

Grand Totals By Facility Type (Natural Gas & Electricity Combined)

Facility Type	Total Cost (\$)	Total Energy (eKWh/yr)	Total GHG Emissions (KgCO2/yr)
Office	324,070.52	2,603,503.99	515,324.70
Emergency Medical Services (EMS)	93,339.91	875,774.84	155,795.09
Long-Term Care	324,337.95	4,605,496.76	819,290.11
Public Works	190,508.42	1,515,681.65	269,630.65
Storage Facility	74,263.26	801,673.02	142,612.86
Depot	41,857.06	351,428.10	62,516.95

Grand Totals All Facilities (Natural Gas, Electricity & Propane Combined)

Total Cost (\$)	Total Energy (eKWh/yr)	Total Ghg Emissions (KgCO2e/yr)
889,776	9,615,894	1,762,786

*Could Not Find Bills or Records