

Energy Consumption and Emissions

From: 2022-01-01 To: 2022-12-31

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Energy Consumption and Emissions

From: 2022-01-01 To: 2022-12-31

Natural Gas

Facility type: Office

Facility Name	Address	Total Area (m2)	Average Hours/Day	Consumption (m3)	Cost (\$)	Energy (e KWh/yr)	GHG Emissions (KgCO2e/yr)	GHG Intensity (KgCO2e/m2)	Energy Intensity (e KWh/m2)
Northumberland County Headquarters	555 Courthouse Road	4,042	6.43	2,207.00	1,354.90	23,455.50	4,172.59	1.03	5.80
Courthouse and POA Office	860 William Street	4,370	6.43	58,019.00	26,195.87	616,612.99	109,691.75	25.10	141.10
Cobourg Food4All and EMS Station	600 William Street	1,182	12	27,415.48	12,374.00	665,309.47	118,354.56	100.13	562.87
Material Recovery Facility	280 Edwardson Road	486	6	14,598.63	7,257.23	155,150.99	27,600.43	56.79	56.79
Port Hope EMS Station	423 Croft Street	229	24	3,513.84	1,812.58	37,344.30	6,643.33	29.01	163.07

Energy Consumption and Emissions

From: 2022-01-01 To: 2022-12-31

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	35,185.52	15,882.15	373,970.45	66,527.10	43.85	246.52
Port Hope EMS Station	423 Croft Street	253	24	3,882.16	2,002.57	41,258.73	7,339.68	29.01	163.08
Colbourne Fire/Paramedics Dase	232 Purdy Road	1,133	24	27,630.00	14,689.67	293,645.48	52,237.77	46.10	259.17

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)
Goldeplough lodge	983 Burnham Street	9,247	24	266,335.00	311,703.00	2,830,548.99	50,537.68	54.45	306.10

Energy Consumption and Emissions

From: 2022-01-01 To: 2022-12-31

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	6,822.00	3,708.91	72,502.69	56,475.24	152.22	195.42
Material Recovery Facility	280 Edwardson Road	2,296	6	68,965.37	34,283.86	732,948.57	130,387.15	56.79	319.23
Veronica Roads Yard Waste Garage	60 Elgin Street	298	4.57	19,441	7,832.77	206,614.61	36,755.50	123.34	693.34

Energy Consumption and Emissions

From: 2022-01-01 To: 2022-12-31

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	44,190.00	10,137.65	469,641.47	83,546.40	13.05	73.38

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	3,864.00	2,069.41	41,065.73	7,305.35	6.52	36.63

Energy Consumption and Emissions

From: 2022-01-01 To: 2022-12-31

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	580,607.00	87,252.38	580,607.00	103,286.50	25.55	143.64
Courthouse and POA Office	860 William Street	4,370	6.43	488,187.00	73,135.37	488,187.00	86,845.00	19.87	111.71
Cobourg Food4All and EMS Station	600 William Street	1182	12	180,331.16	26,982.02	180,331.16	32,079.83	27.14	152.56
Material Recovery Facility	280 Edwardson Road	486	6	57,720.32	25,211.13	57,720.32	10,268.04	21.13	118.77
Morganston Roads Depot	4218 County Road 25	140	8	6,301.71	2,249.15	6,301.71	1,121.04	8.01	45.01
Bewdley Transfer Station	7650 Oak Ridges Drive	24	6.57	27,454.00	4,895.83	27,454.00	4,883.90	203.50	1143.92
Brighton Landfill	1112 County Road 26	34	6.57	32,092.00	5,611.65	32,092.00	5,708.97	167.91	943.88

Energy Consumption and Emissions

From: 2022-01-01 To: 2022-12-31

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)
Seymour Transfer Station	344 5 th line west	35	6.57	16,337.00	3071.59	16,337.00	2,906.25	83.03	446.77
Port Hope EMS Station	423 croft street	229	24	14,234.00	3,049.92	14,234.00	2,532.14	11.06	62.16

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	231,477.84	15,882.15	231,477.84	41,178.52	27.14	152.59
Roseneath Roads Yard and EMS Station	10127 Highway 45	57	24	2,760.78	658.70	2,760.78	491.30	8.62	48.43
Port Hope EMS Station	423 Croft Street	253	24	15,726.00	3,369.62	15,726.00	2,797.56	11.06	62.16
Colbourne Fire/Paramedics Base	232 Purdy Road	1133	24	76,500.00	14,033.69	76,500.00	13,608.89	12.01	67.52

Energy Consumption and Emissions

From: 2022-01-01 To: 2022-12-31

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	9247	24	852,218.00	131,523.93	852,218.00	151,604.47	16.39	92.16

Energy Consumption and Emissions

From: 2022-01-01 To: 2022-12-31

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 Yard Quonset Garage	60 Elgin Street	371	5.71	32,905.00	4,733.33	32,905.00	5,853.60	15.78	88.69
Material Recovery Facility	280 Edwardson Road	2296	6	272,686.73	119,099.87	272,686.73	48,509.33	21.13	118.76
Morganston Roads Yard Depot	4218 County Road 25	501	8	22,552.29	8,049.17	22,552.29	4,011.92	8.01	45.01
Roseneath Roads Yard and EMS Station	10127 Highway 45	247	24	11,969.75	2041.86	11,969.75	2,129.35	8.62	48.4614
Plainville Sand Dome	8636 Donaldson Road	729	24	7,862.00	1,674.23	7,862.00	1398.60	1.92	10.78
Veronica Roads Yard Waste Garage	60 Elgin Street	298	4.57	12,893.00	7,832.77	12,893.00	2,293.59	7.70	43.27
Veronica Roads Yard New Depot	60 Elgin Street	557	6.43	670.00	417.65	670.00	199.19	0.21	1.20

Energy Consumption and Emissions

From: 2022-01-01 To: 2022-12-31

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	6400	6.43	*	*	*	*	*	*

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	1121	6.43	47,745.00	6,917.37	47,745.00	8,493.55	7.58	42.59

Energy Consumption and Emissions

From: 2022-01-01 To: 2022-12-31

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 Depoyt	10127 Highway 45 & 4218 County Road 25	805	24	45,863.00	41,234.14	324,980.63	57812.10	103.60	582.4

Energy Consumption and Emissions

From: 2022-01-01 To: 2022-12-31

Totals

Totals by Energy Type

Energy Type	Cost (\$)	Energy (eKWh/yr)	GHG Emissions (CO2e/yr)
Natural Gas,	767,568.10	7,301,849.63	889,532.68
Electricity	571,572.32	2,960,962.55	525,765.55
Propane	41,234.14	324,980.63	57,812.10

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

Facility Type	Total Cost (\$)	Total Energy (eKWh/yr)	Total GHG emissions (KgCO2/yr)
Office	306,906.95	3,579,441.07	635,763.49
Emergency Medical Services	375,474.36	1,035,339.28	184,180.82
Long-Term Care	443,226.93	3,682,766.99	202,142.15
Public Works	189,674.42	1,373,907.64	288,012.87
Storage Facility	10,137.65	469,641.47	83,546.40
Depot	50,220.92	413,791.36	73,611.00

Grand Totals all Facilities (Natural Gas & Electricity Combined)

Total Cost (\$)	Total Energy (eKWh/yr)	Total GHG Emissions (KgCO2e/yr)
1,380,374	10,587,793	1,473,110

*Could not find bills or records