

Energy Consumption and Emissions

From: 2021-01-01 To: 2021-12-31

Table of Contents

Natural Gas	2
Type: Office	2
Type: Emergency Medical Services	3
Type: Long-Term Care	3
Type: Public Works	4
Type: Storage Facility	4
Type: Depot	4
Electricity	5
Type: Office	5
Type: Emergency Medical Services	6
Type: Long-Term Care	6
Type: Public Works	7
Type: Storage Facility	8
Type: Depot	8
Totals	9
Totals by Energy Type.....	9
Grand Totals by Facility Type (Natural Gas & Electricity Combined)	9
Grand Totals All Facilities (Natural Gas & Electricity Combined).....	9

Energy Consumption and Emissions

From: 2021-01-01 To: 2021-12-31

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	4042	6.43	2645	85166.77	23455	4173	1.03	143.65
COURTHOUSE AND POA OFFICE	860 William Street	4370	6.43	55435		616613	109691		141.10
COBOURG FOOD4ALL AND EMS STATION	600 William Street	1182	12	25816		291365	51832		246.50
MATERIAL RECOVERY FACILITY	280 Edwardson Road	486	6	18249	32467.33	155146	27600	56.79	55.77
PORT HOPE EMS STATION	423 Croft Street	229	24	3124					

Energy Consumption and Emissions

From: 2021-01-01 To: 2021-12-31

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	1517	12	33132		373944	66522		246.50
PORT HOPE EMS STATION	423 Croft Street	253	24	3451					
COLBOURNE FIRE/PARAMEDICS BASE	232 Purdy Road	1133	24	20180		293645	52238		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)
GOLDEN PLOUGH LODGE	983 Burnham Street	9247	24	321936		2830549	503538		306.10

Energy Consumption and Emissions

From: 2021-01-01 To: 2021-12-31

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	5408		72503	12898		195.43
MATERIAL RECOVERY FACILITY	280 Edwardson Road	2296	6	86214	153384.76	732953	130388	56.79	319.23
VARONICA ROADS YARD WASTE GARAGE	60 Elgin Street	298	4.57	2978		206615	36756		693.34

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	31614		294294	52353		45.98

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	12134		41066	7305		36.63

Energy Consumption and Emissions

From: 2021-01-01 To: 2021-12-31

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	4042	6.43	668558					
COURTHOUSE AND POA OFFICE	860 William Street	4370	6.43	511522					
COBOURG FOOD4ALL AND EMS STATION	600 William Street	1182	12	133499					
MATERIAL RECOVERY FACILITY	280 Edwardson Road	486	6	96265					
MORGANSTON ROADS DEPOT	4218 County Road 25	140	8	17370					
BEWDLEY TRANSFER STATION	7650 Oak Ridges Drive	24	6.57	26240	4895.83	27454	698.65	29.11	1143.92
BRIGHTON LANDFILL	1112 County Road 26	34	6.57	35566	816.68	32092	816.68	24.02	943.88
SEYMOUR TRANSFER STATION	344 5 th Line West	35	6.57	16790					
PORT HOPE EMS STATION	423 Croft Street	229	24	22881					

Energy Consumption and Emissions

From: 2021-01-01 To: 2021-12-31

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	1517	12	171336					
ROSENEATH ROADS YARD AND EMS STATION	10127 Highway 45	57	24	2279					
PORT HOPE EMS STATION	423 Croft Street	253	24	25279					
COLBOURNE FIRE/PARAMEDICS BASE	232 Purdy Road	1133	24	85680					

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	972400					

Energy Consumption and Emissions

From: 2021-01-01 To: 2021-12-31

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	32250					
MATERIAL RECOVERY FACILITY	280 Edwardson Road	2296	6	454782					
MORGANSTON ROADS YARD DEPOT	4218 County Road 25	501	8	62158					
ROSENEATH ROADS YARD AND EMS STATION	10127 Highway 45	247	24	9877					
PLAINVILLE SAND DOME	8636 Donaldson Road	729	24	5506					
VARONICA ROADS YARD WASTE GARAGE	60 Elgin Street	298	4.57	11128					
VERONICA ROADS YARD NEW DEPOT	60 Elgin Street	557	6.43	672					

Energy Consumption and Emissions

From: 2021-01-01 To: 2021-12-31

Facility type: Storage Facility

FACILITY NAME	ADDRESS	TOTAL AREA (M2)	AVERAGE HOURS/DAY	CONSUMPTION (KWH)	COST	ENERGY (EKWH/YR)	GHG EMISSIONS (KGC02E/YR)	GHG INTENSITY (KGC02E/M2)	ENERGY INTENSITY (EKWH/M2)
OAFVC	216 Purdy Road	6400	6.43	294294					

Facility type: Depot

FACILITY NAME	ADDRESS	TOTAL AREA (M2)	AVERAGE HOURS/DAY	CONSUMPTION (KWH)	COST	ENERGY (EKWH/YR)	GHG EMISSIONS (KGC02E/YR)	GHG INTENSITY (KGC02E/M2)	ENERGY INTENSITY (EKWH/M2)
VERONICA ROADS YARD DEPOT	60 Elgin Street	1121	6.43	45784					

Energy Consumption and Emissions

From: 2021-01-01 To: 2021-12-31

Totals

Totals by Energy Type

ENERGY TYPE	COST	ENERGY (EKWH/YR)	GHG EMISSIONS (CO2E/YR)
NATURAL GAS		5 637 855	
ELECTRICITY		2 593 040	

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

FACILITY TYPE	TOTAL COST	TOTAL ENERGY (EKWH/YR)	TOTAL GHG EMISSIONS (KGCO2/YR)
OFFICE			
EMERGENCY MEDICAL SERVICES			
LONG-TERM CARE			
PUBLIC WORKS			
STORAGE FACILITY			
DEPOT			

Grand Totals All Facilities (Natural Gas & Electricity Combined)

TOTAL COST	TOTAL ENERGY (EKWH/YR)	TOTAL GHG EMISSIONS (KGCO2E/YR)
783 862.06	8 230 895.02	1 968 933.17