

TOWN OF WOODSTOCK CLIMATE SMART TASK FORCE

Erin Moran, Coordinator
Kenneth Panza, Secretary

Application for 16 Points

January 12, 2021

PE2 Action: Government Operations GHG Inventory

16 Points



BRONZE PRIORITY



SILVER PRIORITY

GHG Inventory for 2011 Town of Woodstock Government Operations Local Government Operations Protocol (LGOP) Recalibration

Woodstock has been collecting detailed electrical usage by meter since 2011.

Beginning with 2011, yearly reports about Woodstock's progress on achieving carbon neutrality have been issued. In addition to carbon dioxide emissions, the reports included the full range of actions related to the town government's energy usage. The reports reflected the year's accomplishments, problems, and opportunities, and recommended actions for the following year. The annual carbon neutral report is the foundation document for the town's climate action plan.

New York government entities are required to file a yearly financial report with the Office of the State Comptroller. Pursuant to Section 21, Subdivision 10A of Town Law, the Supervisor shall submit to the Town Board, the Town Clerk and the New York State Comptroller within sixty days after the close of the fiscal year a copy of the Annual Report, as required by law, and the Town Clerk shall publish within ten days in the official newspapers the fact that such annual report is available for inspection in the Town Clerk's office.

Energy Type	Total Expenditures	Total Volume	Units Of Measure	Alternative Units Of Measure
Gasoline	\$70,666	23,150	gallons	
Diesel Fuel	\$80,585	23,500	gallons	
Fuel Oil	\$21,750	6,767	gallons	
Natural Gas			cubic feet	
Electricity	\$100,493	617,410	kilowatts	
Coal			tons	

Woodstock Governmental GHG Emissions for 2011

The GHG emissions originally published for 2011 have been recalibrated using LGOP and are republished here.

GHG Emissions Summary Local Government Operations Protocol Woodstock, NY Sector: Woodstock Totals Year: '2011'										
			Expenditures	Volume	Metric Tons CO2e equivalent	Metric Tons CO2	Methane Kgm	Nitrous Oxide Kgm	Methane CO2e	Nitrous Oxide CO2e
Scope 1	Stationary Combustion	Fuel Oil (gals)	\$21,750	6,767	69.5	69.1	10.1505	0.6767	0.2132	0.2098
		Propane (gals)	\$9,341	4,064	22.9	22.7	0.5689	0.4064	0.0119	0.1260
	Mobile Combustion	Gasoline (gals)	\$70,666	23,150	203.3	203.3				
		Diesel Fuel (gals)	\$80,595	23,500	239.9	239.9				
		Kerosene (gals)	\$4,910	882	8.9	8.9				
Scope 2	Grid Electricity (kWh)		\$100,499	617,410	140.1	139.4	4.5645	1.9386		
	Hydro Electricity (kWh)									
	Sum of Scope 2 (Electricity)		Σ \$100,499	617,410	140.1	139.4	4.5645	1.9386		
Total by Year			Σ \$287,762		684.6	683.4	15.2839	3.0217		

LGOP Formatted Report

The 2011 GHG emissions report for Woodstock governmental sectors, formatted as prescribed by LGOP Chapter 13 is attached.

GHG Emissions Summary
Local Government Operations Protocol
Woodstock, NY
Year:'2011'

				Expenditures	Volume	Metric Tons CO2e equivalent	Metric Tons CO2	Methane Kgm	Nitrous Oxide Kgm	Methane CO2e	Nitrous Oxide CO2e	
Buildings & Other Facilities	Scope 1	Stationary Combustion	Fuel Oil (gals)	\$16,564	5,154	52.9	52.6	7.7303	0.5154	0.1623	0.1598	
			Propane (gals)	\$8,991	3,912	22.0	21.9	0.5476	0.3912	0.0115	0.1213	
		Mobile Combustion	Gasoline (gals)			0.0						
			Diesel Fuel (gals)			0.0						
			Kerosene (gals)			0.0						
	Scope 2	Grid Electricity (kWh)			166,783	37.9	37.7	1.2330	0.5237			
		Hydro Electricity (kWh)			0							
		Sum of Scope 2 (Electricity)		Σ	\$32,146	166,783	37.9	37.7	1.2330	0.5237		
	Total by Year				Σ	\$57,701	112.8	112.2	9.5109	1.4302		
	Water District	Scope 1	Stationary Combustion	Fuel Oil (gals)			0.0	0.0	0.0000	0.0000	0.0000	0.0000
Propane (gals)				\$350	152	0.9	0.9	0.0213	0.0152	0.0004	0.0047	
Mobile Combustion			Gasoline (gals)			0.0						
			Diesel Fuel (gals)			0.0						
			Kerosene (gals)			0.0						
Scope 2		Grid Electricity (kWh)			137,979	31.3	31.2	1.0201	0.4332			
		Hydro Electricity (kWh)										
		Sum of Scope 2 (Electricity)		Σ	\$21,303	137,979	31.3	31.2	1.0201	0.4332		
Total by Year				Σ	\$21,653	32.2	32.0	1.0414	0.4485			
Waste Water Treatment Facility		Scope 1	Stationary Combustion	Fuel Oil (gals)	\$5,186	1,613	16.6	16.5	2.4202	0.1613	0.0508	0.0500
	Propane (gals)					0.0	0.0	0.0000	0.0000	0.0000	0.0000	
	Mobile Combustion		Gasoline (gals)			0.0						
			Diesel Fuel (gals)			0.0						
			Kerosene (gals)			0.0						
	Scope 2	Grid Electricity (kWh)			242,634	55.1	54.8	1.7938	0.7619			
		Hydro Electricity (kWh)										
		Sum of Scope 2 (Electricity)		Σ	\$23,112	242,634	55.1	54.8	1.7938	0.7619		
	Total by Year				Σ	\$28,298	71.6	71.3	4.2140	0.9232		
	Lighting Districts	Scope 1	Stationary Combustion	Fuel Oil (gals)			0.0	0.0	0.0000	0.0000	0.0000	0.0000
Propane (gals)						0.0	0.0	0.0000	0.0000	0.0000	0.0000	
Mobile Combustion			Gasoline (gals)			0.0						
			Diesel Fuel (gals)			0.0						
			Kerosene (gals)			0.0						
Scope 2		Grid Electricity (kWh)			70,014	15.9	15.8	0.5176	0.2198			
		Hydro Electricity (kWh)										
		Sum of Scope 2 (Electricity)		Σ	\$23,938	70,014	15.9	15.8	0.5176	0.2198		
Total by Year				Σ	\$23,938	15.9	15.8	0.5176	0.2198			

GHG Emissions Summary
Local Government Operations Protocol
Woodstock, NY
Year:'2011'

				Expenditures	Volume	Metric Tons CO2e equivalent	Metric Tons CO2	Methane Kgm	Nitrous Oxide Kgm	Methane CO2e	Nitrous Oxide CO2e	
Vehicles	Scope 1	Stationary Combustion	Fuel Oil (gals)			0.0	0.0	0.0000	0.0000	0.0000	0.0000	
			Propane (gals)			0.0	0.0	0.0000	0.0000	0.0000	0.0000	
		Mobile Combustion	Gasoline (gals)	\$70,666	23,150	203.3	203.3					
			Diesel Fuel (gals)	\$80,595	23,500	239.9	239.9					
	Kerosene (gals)		\$4,910	882	8.9	8.9						
	Scope 2	Grid Electricity (kWh)				0.0	0.0	0.0000	0.0000			
		Hydro Electricity (kWh)										
		Sum of Scope 2 (Electricity)		Σ	0	0.0	0.0	0.0000	0.0000			
	Woodstock Totals	Total by Year			Σ	\$156,171	452.1	452.1	0.0000	0.0000		
		Scope 1	Stationary Combustion	Fuel Oil (gals)	\$21,750	6,767	69.5	69.1	10.1505	0.6767	0.2132	0.2098
Propane (gals)				\$9,341	4,064	22.9	22.7	0.5689	0.4064	0.0119	0.1260	
Mobile Combustion			Gasoline (gals)	\$70,666	23,150	203.3	203.3					
			Diesel Fuel (gals)	\$80,595	23,500	239.9	239.9					
		Kerosene (gals)	\$4,910	882	8.9	8.9						
Scope 2		Grid Electricity (kWh)		\$100,499	617,410	140.1	139.4	4.5645	1.9386			
		Hydro Electricity (kWh)										
		Sum of Scope 2 (Electricity)		Σ	\$100,499	617,410	140.1	139.4	4.5645	1.9386		
Total by Year			Σ	\$287,762		684.6	683.4	15.2839	3.0217			