

Town of Windsor

Baseline Energy Consumption Profile

Introduction:

This report is a profile of the energy consumption of the Town of Windsor, VT. It will show the greenhouse gas emissions, energy use and its associated cost. The report will give the towns an idea of how much energy they use on an annual basis and will serve as a base for comparison to assess the impact of any energy saving activities taken by the town. It has been prepared by the Southern Windsor County Regional Planning Commission (SWCRPC).

General Town Information:

Town Population: 3,765 (2000 US Census)

Area of Municipality: 19.53 sq. mi. (2000 US Census)

Population Density: 192.14 (2000 US Census)

Total cost of municipal energy use in 2009: \$249,549

Total municipal energy use in 2009: 8661.1 MMBtu

Total municipal CO2 emissions in 2009: 1,891,690 lbs of CO₂

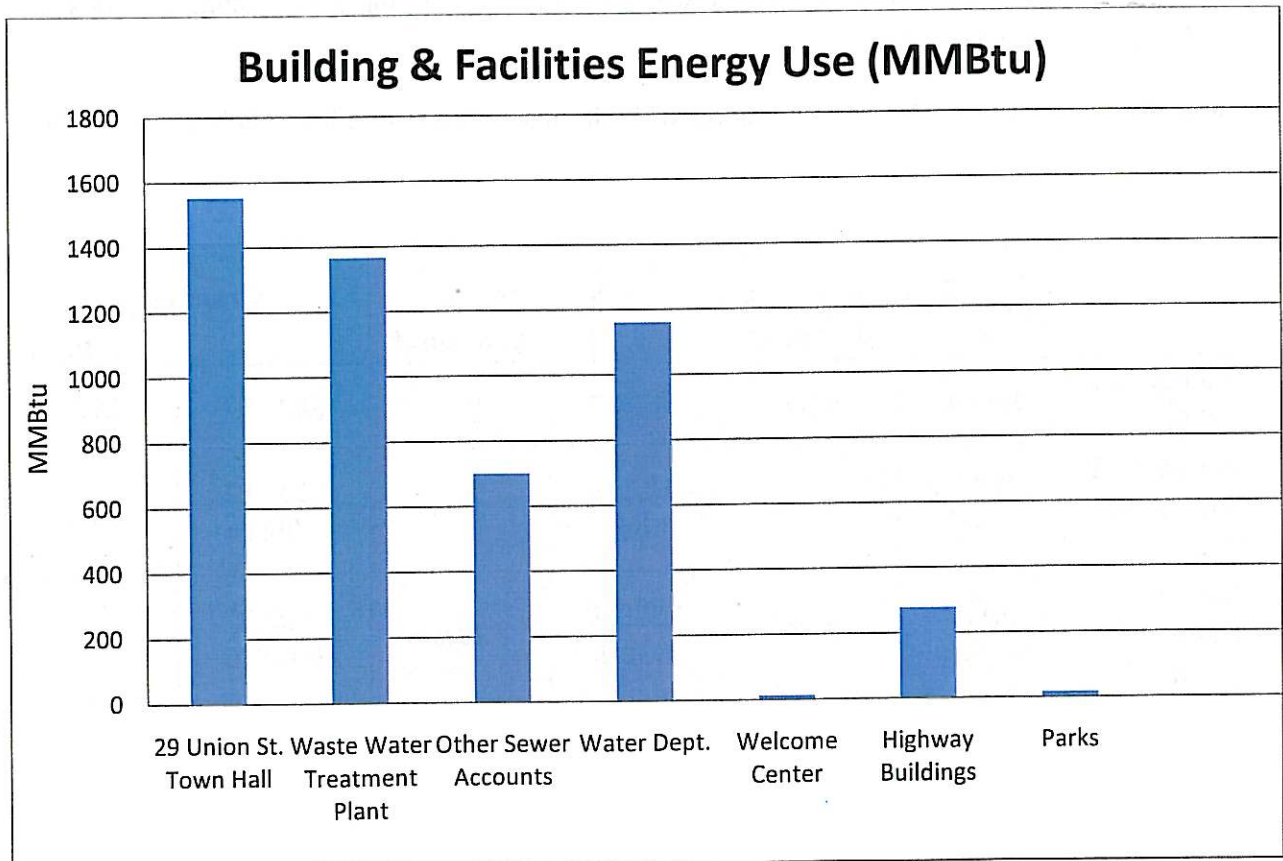
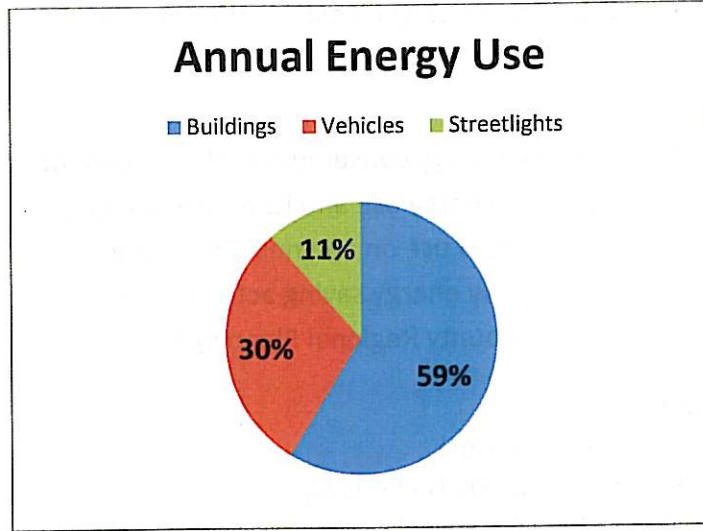
Current Energy Trends:

As demonstrated by Table #1 and Graph #1 below the municipal buildings in Windsor are the primary energy consumers.

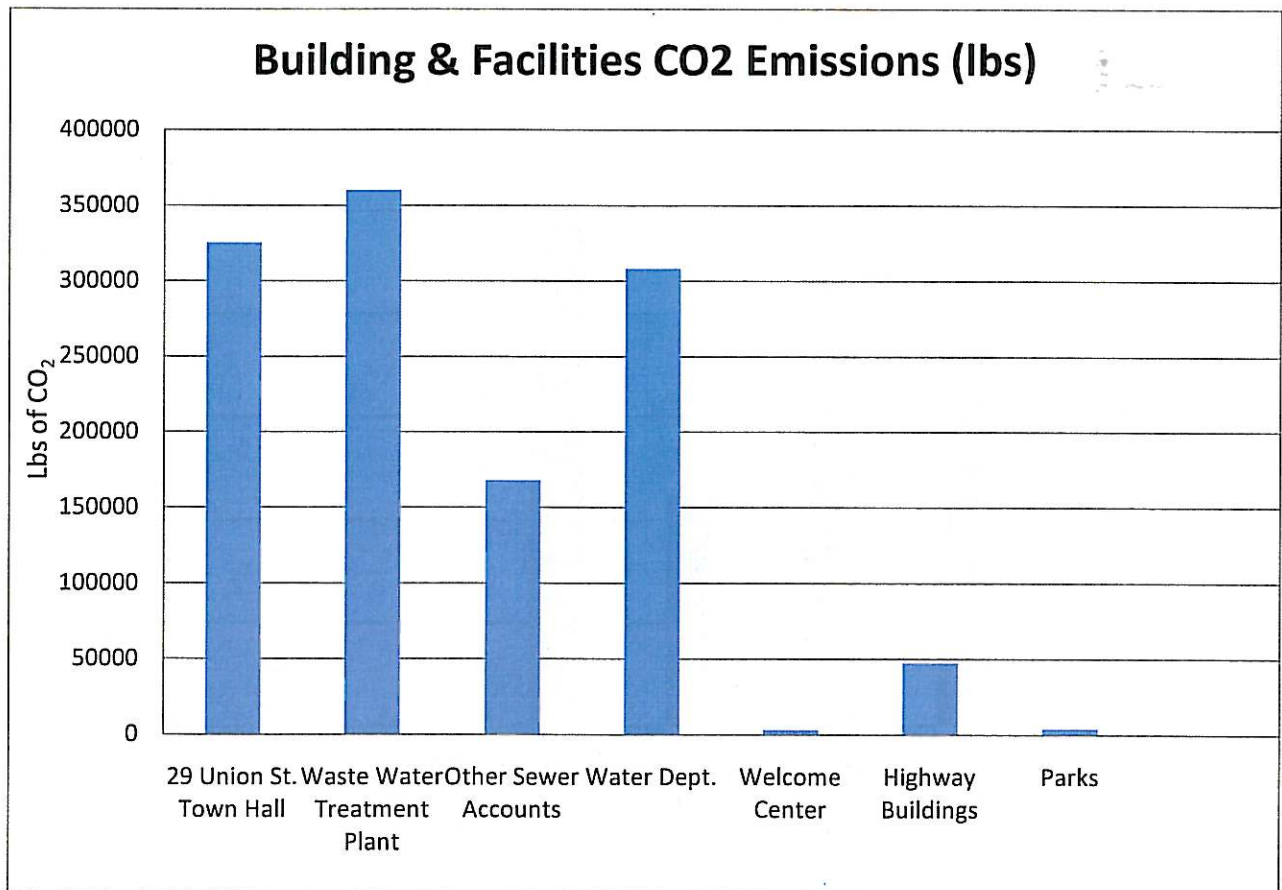
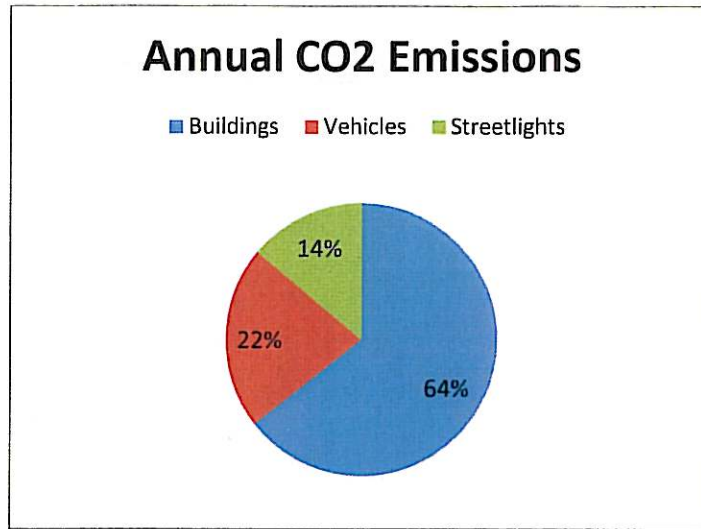
Table #1: Energy Costs, Use and Emissions for Buildings, Vehicles and Streetlights in Windsor

	Buildings		Vehicles		Streetlights	
	#	% of total	#	% of total	#	% of total
Annual Cost (US \$)	\$160,203	64%	\$39,949	16%	\$49,397	20%
Annual CO2 Emissions (lbs)	1,218,030 (lbs)	64%	410,179 (lbs)	22%	263,481 (lbs)	14%
Annual Energy Use (MMBtu)	5,089.5 MMBtu	59%	2,579.4 MMBtu	30%	992.3 MMBtu	11%

Annual Energy Usage for the Town of Windsor



Annual Carbon Dioxide Emissions from the Town of Windsor



Annual Energy Costs for the Town of Windsor

