

EXECUTIVE SUMMARY

COMMUNITY GREENHOUSE GAS EMISSIONS INVENTORY



The Town of Saugerties community greenhouse gas emissions inventory (GHG), conducted in 2010 by New York State, identifies and quantifies the sources of GHG emissions from community activities. It establishes a baseline from which future emissions reductions and progress can be measured. Greenhouse gases are responsible for the greenhouse gas effect which ultimately leads to global warming. The inventory reveals that the community produced 267,287 metric tons of GHG emissions. Recognizing the harm GHG emissions pose to the environment, and to the health and wellbeing of its citizens, the Town of Saugerties has undertaken a number of programs and projects to address the need to reduce emissions.

Mobile Energy is the sector that produces the greatest percentage (45%) of the community's greenhouse gas emissions. Recognizing the importance of reducing the emissions from this sector of the community, and facilitating the public's transition to electric vehicles, Saugerties installed an Electric Vehicle Charging Station for public use at the Kiwanis Ice Arena in 2017. Two more stations, one at the Greco Senior Center and a second near the tennis courts at the Cantine Veterans Memorial Complex, will be installed in the spring of 2019. To inform the community about electric vehicles, the town's Climate Smart Task Force, in partnership with the Chamber of Commerce, is hosting a Go Smart Go Green Fair in May 2019 featuring electric vehicle demonstrations.

The Residential Sector is the second largest producer (19%) of the community's greenhouse gas emissions. In 2016, the Town Board fully supported a Solarize Saugerties Campaign resulting in rooftop solar panels installed on 66 residential properties throughout the town. The Town Board amended the town zoning ordinance in 2017 to provide for large-scale solar projects. The ordinance ensures that the Town Planning Board pays careful attention to impacts on agriculture, viewsheds, and forest cover in siting such projects. Saugerties was one of five communities cited by Governor Andrew Cuomo in early 2018 to host a 20-megawatt wholesale energy solar farm. A two megawatt community solar project at the former town landfill is underway with completion expected in 2019. A Climate Smart Saugerties website www.ClimateSmartSaugerties.org was launched in September 2018 that informs the community about climate-change issues and topics with links to: What You Can Do, Public Climate-related Events, Climate Science, among other topics. A Climate Smart Saugerties Facebook page was also launched in the fall of 2018.

Saugerties was recognized by New York State with a Clean Energy Community (CEC) designation in 2018 having completed four of the high impact actions. As a CEC designated community, the town received a \$5,000 energy grant to assist in the implementation of future energy-reduction measures. In 2013, the Town Board adopted a Comprehensive Plan prepared by the Comprehensive Planning Committee that built upon the first Comprehensive Plan adopted by the board in 1999.

Town of Saugerties Community Greenhouse Gas Emissions Inventory 2010

TABLE 1

Lists the Town's Emission Sectors.

FIGURE 2

Shows greenhouse emissions associated with each sector.
 Mobile energy is the Town's largest source of greenhouse gas emissions.
 Mobile energy represents approximately 45% of the Town's community emissions.

*2010 Total Community GHG Emissions 267,287 Metric Tons of Carbon Dioxide

Data Source

Mid-Hudson Regional GHG Emissions Inventory NYSERDA website

Town of Saugerties

TABLE 1: Community GHG Inventory (2010)

GHG EMISSION SECTORS	MTCO ₂ e*
Residential	51,913
Commercial	30,236
Industrial	47,847
Mobile Energy	120,027
Solid Waste	3,865
Wastewater Treatment	1,895
Industrial Processes	7,231
Agriculture	799
Energy Supply	3,473
Total Emissions	267,287
Population	19,482
Per Capita Emissions	14

*Metric Tons of Carbon Dioxide Equivalent

FIGURE 1: Community GHG Emissions by Sector (2010)

