



Town of New Scotland

Annual Energy Benchmarking Report 9/1/2017-9/31/2018

OVERVIEW

This annual report is used to track municipal buildings' energy performance and is created in compliance with Resolution No. 196 of 2017. Comparisons between annual reports can provide insights into energy use, including potential cost savings. This report includes only municipal buildings larger than 1,000 sq. ft.

DEFINITION OF METRICS USED

ENERGY STAR Score – The ENERGY STAR Score is a measure of how well your property is performing relative to similar properties, when normalized for climate and operational characteristics. A 1-100 scale is used so that 1 represents the worst performing buildings and 100 represents the best performing buildings. A score may not be available for certain properties because of use type or insufficient information.

Site EUI - The Site Energy Use divided by the property square foot. Site Energy is the annual amount of all the energy your property consumes onsite, as reported on your utility bills. Use Site Energy to understand how the energy use for an individual property has changed over time.

Total GHG Emissions - Greenhouse Gas (GHG) Emissions are the carbon dioxide (CO₂), methane (CH₄), and nitrous oxide (N₂O) gases released into the atmosphere as a result of energy consumption at the property. GHG emissions are expressed in carbon dioxide equivalent (CO₂e), a universal unit of measure that combines the quantity and global warming potential of each greenhouse gas.

Weather Normalized Source EUI - The source energy use (total amount of all the raw fuel required to operate your property, including losses that take place during generation, transmission, and distribution of the energy) your property would have consumed during 30-year average weather conditions divided by property size. For example, if 2012 was a very hot year, then your Weather Normalized Source Energy may be lower than your Source Energy Use, because you would have used less energy if it had not been so hot. It can helpful to use this weather normalized value to understand changes in energy when accounting for changes in weather.

BUILDINGS

1. Community Center
2. Highway Garage
3. Highway Shed
4. Hilton Barn
5. Town Hall

COMMUNITY CENTER

PROPERTY DETAILS

Address: 7 Old New Salem Road

Gross Floor Area (ft²): 3,934

Property Use Type: Public meeting place for group activities, social support, public information, and senior events.

ENERGY PERFORMANCE METRICS

ENERGY STAR Score	Site EUI (kBtu/ ft ²)	Weather Normalized Source EUI (kBtu/ft ²)	Total GHG Emissions (Metric Tons CO ₂ e)
N/A	54.9	75.6	13

HIGHWAY GARAGE

PROPERTY DETAILS

Address: 2869 New Scotland Road

Gross Floor Area (ft²): 11,124

Property Use Type: Storage for highway equipment and maintenance, includes office space for town employees.

ENERGY PERFORMANCE METRICS

ENERGY STAR Score	Site EUI (kBtu/ ft ²)	Weather Normalized Source EUI (kBtu/ft ²)	Total GHG Emissions (Metric Tons CO ₂ e)
N/A	85.9	103.9	67

HIGHWAY SHED

PROPERTY DETAILS

Address: 2869 New Scotland Road

Gross Floor Area (ft²): 3,217

Property Use Type: Structure contains highway salt and is unheated.

ENERGY PERFORMANCE METRICS

ENERGY STAR Score	Site EUI (kBtu/ ft ²)	Weather Normalized Source EUI (kBtu/ft ²)	Total GHG Emissions (Metric Tons CO ₂ e)
N/A	1.2	3.5	0.1

HILTON BARN

PROPERTY DETAILS

Address: 10 Hilton Road

Gross Floor Area (ft²): 7,200

Property Use Type: This historic structure was moved to its current location in 2016 and is one of Albany County's largest historic post-and-beam structures. Future use may include recreational or commercial activities. This structure is not heated.

ENERGY PERFORMANCE METRICS

ENERGY STAR Score	Site EUI (kBtu/ ft ²)	Weather Normalized Source EUI (kBtu/ft ²)	Total GHG Emissions (Metric Tons CO ₂ e)
N/A	0.3	0.8	0

TOWN HALL

PROPERTY DETAILS

Address: 2029 New Scotland Road

Gross Floor Area (ft²): 5,887

Property Use Type: Town Board meeting space, clerk, assessor, department of public works, building, and supervisor's offices.

ENERGY PERFORMANCE METRICS

ENERGY STAR Score	Site EUI (kBtu/ ft²)	Weather Normalized Source EUI (kBtu/ft²)	Total GHG Emissions (Metric Tons CO₂e)
37	95.4	141	28.1