

Village of Nyack Community Greenhouse Gas Inventory

New York State conducted regional GHG emissions inventories for the baseline year 2010, which included emissions for each community in the Mid-Hudson Region. The community greenhouse gas (GHG) inventory identifies and quantifies the sources of GHG emissions from community activities and establishes a baseline from which future emissions reductions and progress can be measured. **Table 1** lists Nyack’s emission sectors and **Figure 1** shows GHG emissions associated with each sector. The bar chart allows a comparison of emissions from the village, Rockland County, the Hudson Valley Region. The inventory report also provides data from other municipalities in the region. According to the report, Nyack’s overall emissions are significantly lower than Rockland’s as a whole, and slightly lower than the region as a whole. Mobile Energy is Nyack’s largest source of GHG emissions, comprising approximately 45% percent of 2010 community emissions.

As in similar municipalities, the transportation sector is the largest source of emissions. However, data for the transportation sector in the inventory includes a “pass-through effect” of the nearby NYS Thruway, so the proportion of emissions from this sector is inflated. As the Village tracks greenhouse gas emissions going forward, it will be possible to remove this pass-through effect by entering data for Vehicle Miles Traveled according to road class. In addition, in the near future, it will be possible for municipalities to access community energy use data online, making it easy to keep track of progress in reducing carbon emissions

As Nyack begins climate action planning it will need to focus on sectors with the highest emissions—mobile, residential and commercial energy use. This will involve promoting fuel efficient and alternative fuel vehicles, supporting alternative vehicle infrastructure and public transit, and providing education and technical support to homeowners and businesses about energy efficiency and alternative energy opportunities.

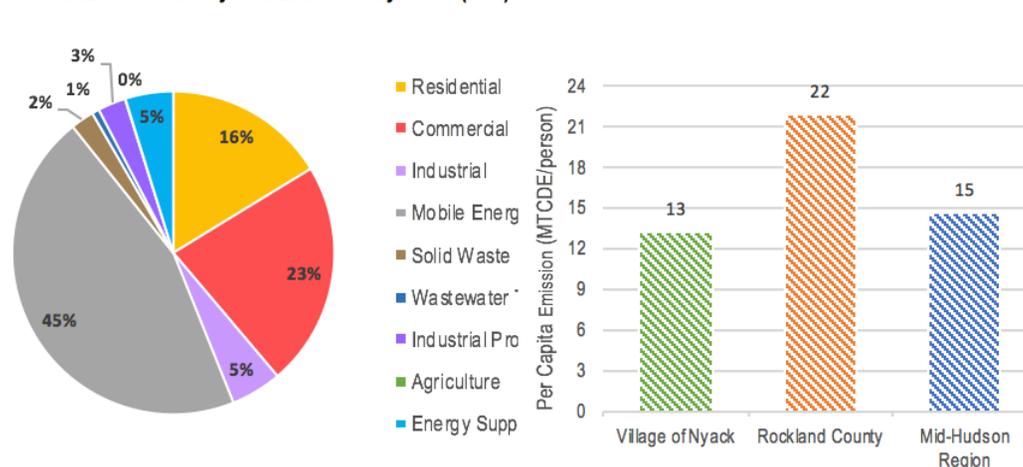
Village of Nyack

TABLE 1: Community GHG Inventory (2010)

GHG EMISSION SECTORS	MTCO ₂ e*
Residential	14,610
Commercial	20,230
Industrial	4,583
Mobile Energy	40,729
Solid Waste	2,103
Wastewater Treatment	658
Industrial Processes	2,511
Agriculture	40
Energy Supply	4,318
Total Emissions	89,782
Population	6,765
Per Capita Emissions	13

*Metric Tons of Carbon Dioxide Equivalent

FIGURE 1: Community GHG Emissions by Sector (2010)



Nyack’s total emissions of 89,782 Metric Tons of CO₂ Equivalent is equivalent to 10,102,622 gallons of gasoline consumed.