

Town of Lloyd Municipal Greenhouse Gas Inventory



2022

- Measures greenhouse gas emissions from local government facilities, which contribute to climate change
- Baseline through which the town can set emissions/cost reduction goals and track progress
- Priority step in the NYS Climate Smart Community program
 - Provides grant funding for climate mitigation/adaptation projects



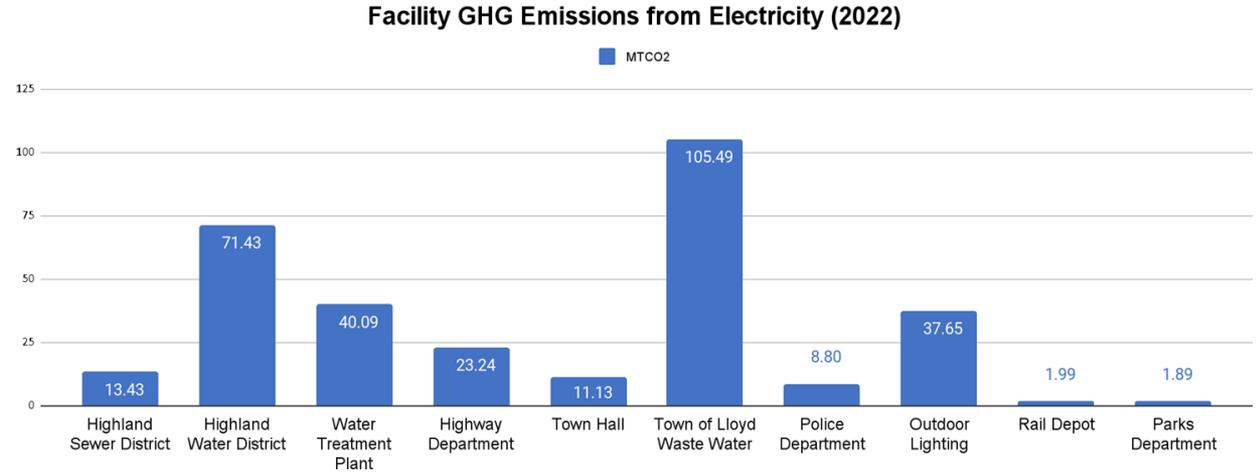
Why an Inventory?

- Inventory Workbook
 - Central Hudson accounts (electric and natural gas)
 - Vehicle fleet data from highway department records (unleaded gasoline, diesel)
 - Tank fuels (propane) and wastewater treatment process (N₂O emissions) from department heads



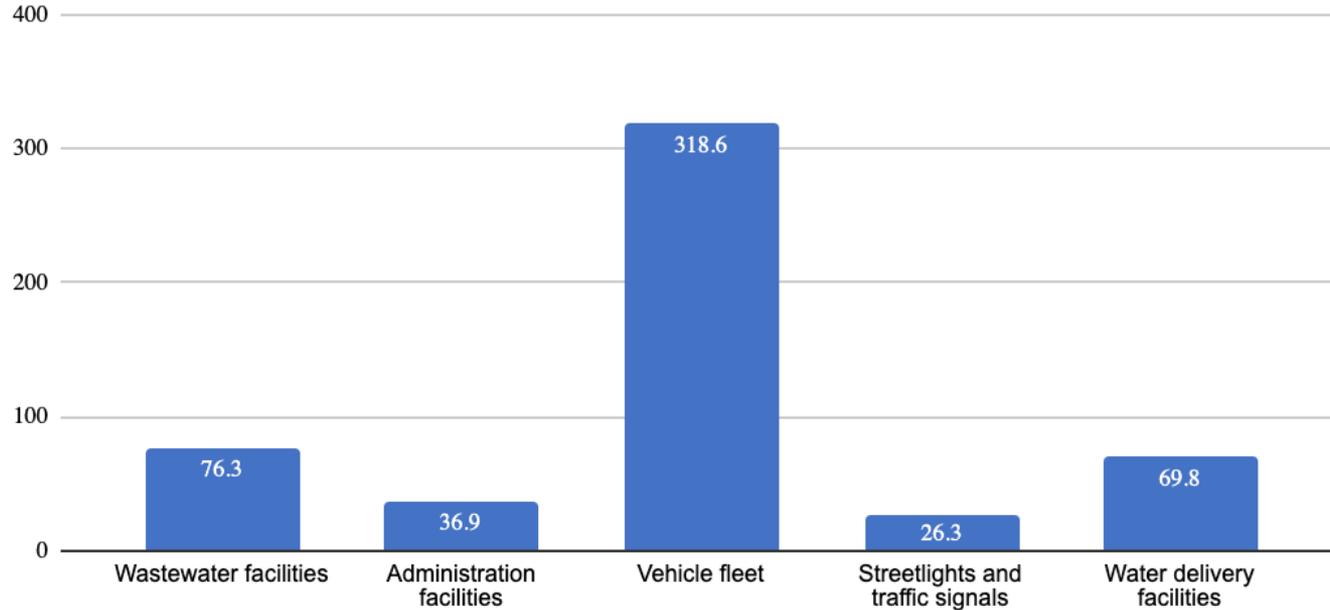
Process and Data Sources

Breakdown by Facility



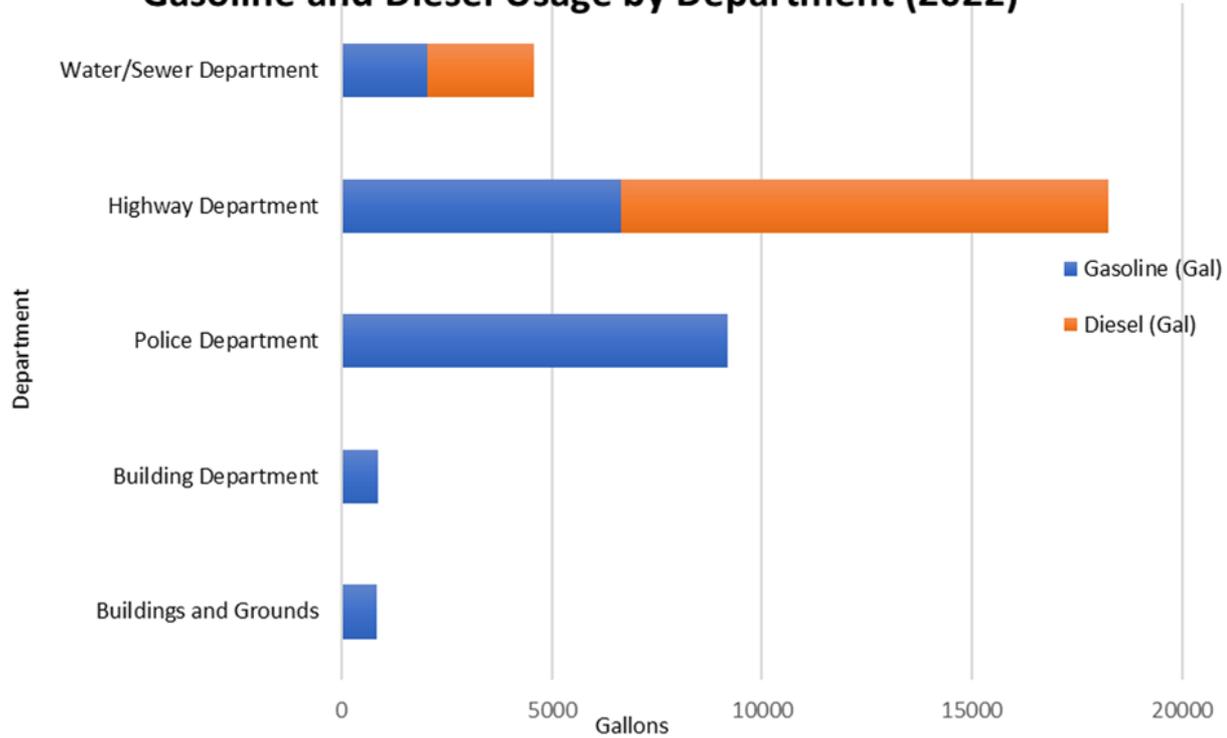
Source: Central Hudson accounts

GHG Emissions by Function (MTCO2e)



Breakdown by Function

Gasoline and Diesel Usage by Department (2022)



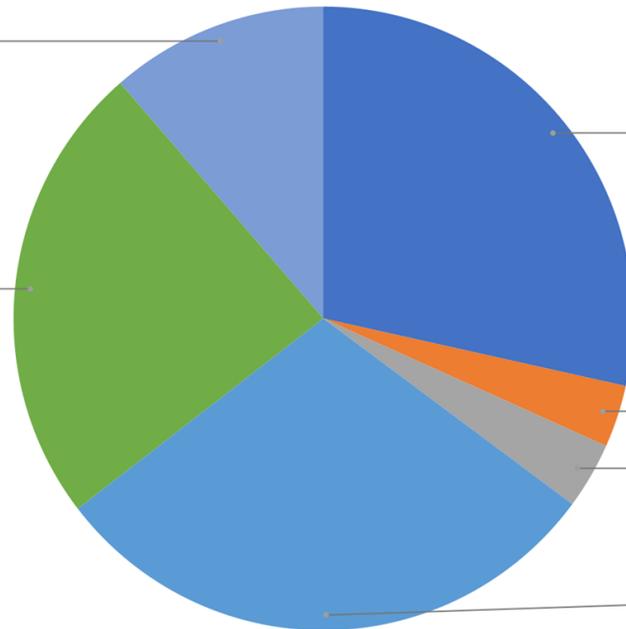
Vehicle Fleet Breakdown

Breakdown by Fuel Type

Emissions by Fuel Type (2022)

Wastewater Treatment Process
11.4%

Diesel
24.1%



Electricity
28.5%

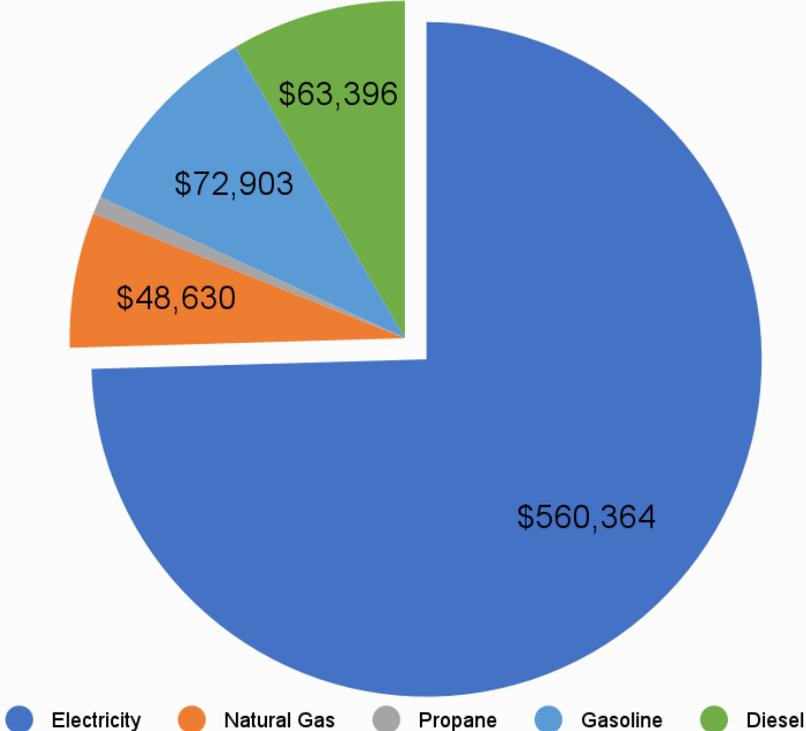
Natural Gas
3.2%

Propane
3.4%

Gasoline
29.4%

Energy Costs

Average Energy Cost by Fuel Type (2022)



Key Findings

- Gasoline and diesel comprised more than half **(52.1%)** of the town's emissions
- Electricity made up **28.5%** of emissions but accounted for **74.4%** of total cost
 - Wastewater facilities used the most electricity, closely followed by water delivery facilities

Recommendations

- Switch to electric vehicles when possible
 - Comprehensive fleet inventory?
- Consider implementing electricity saving measures in wastewater treatment and water delivery