

# **Town of Lloyd Municipal Greenhouse Gas Inventory**

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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



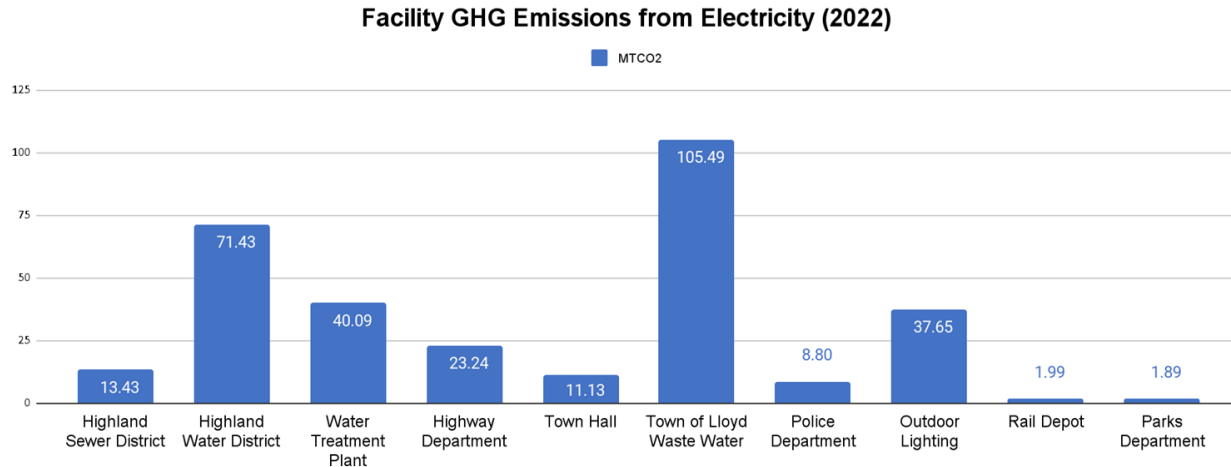
## Why an Inventory?

- 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 (N<sub>2</sub>O emissions) from department heads



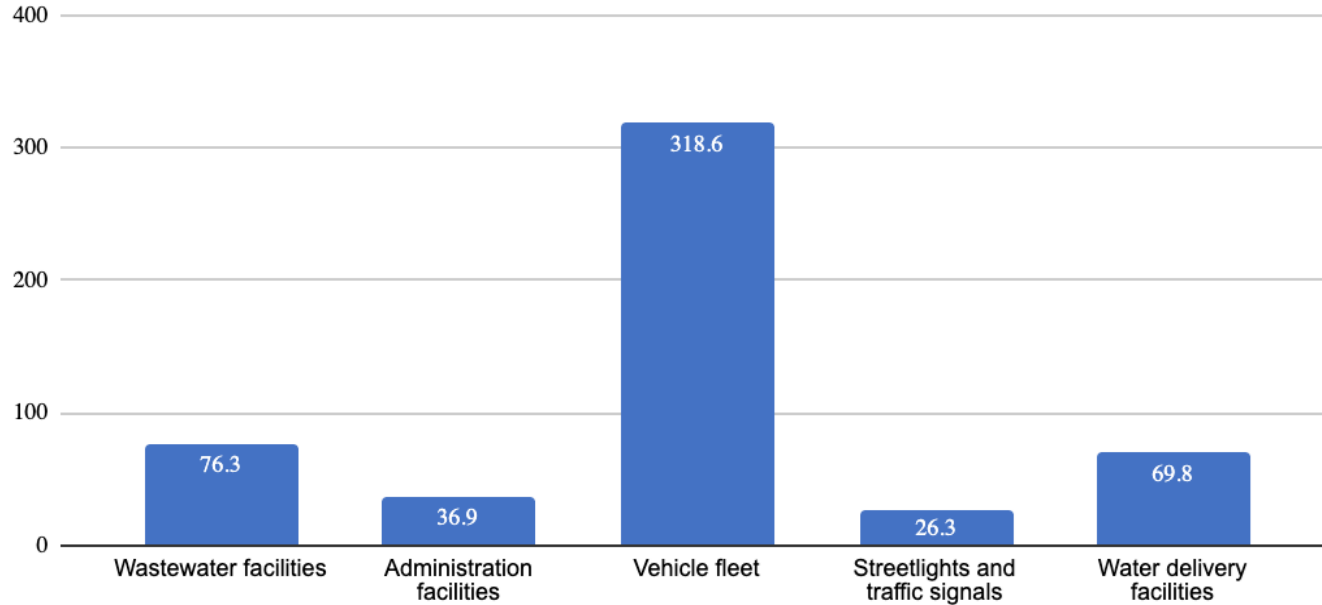
## Process and Data Sources

# Breakdown by Facility



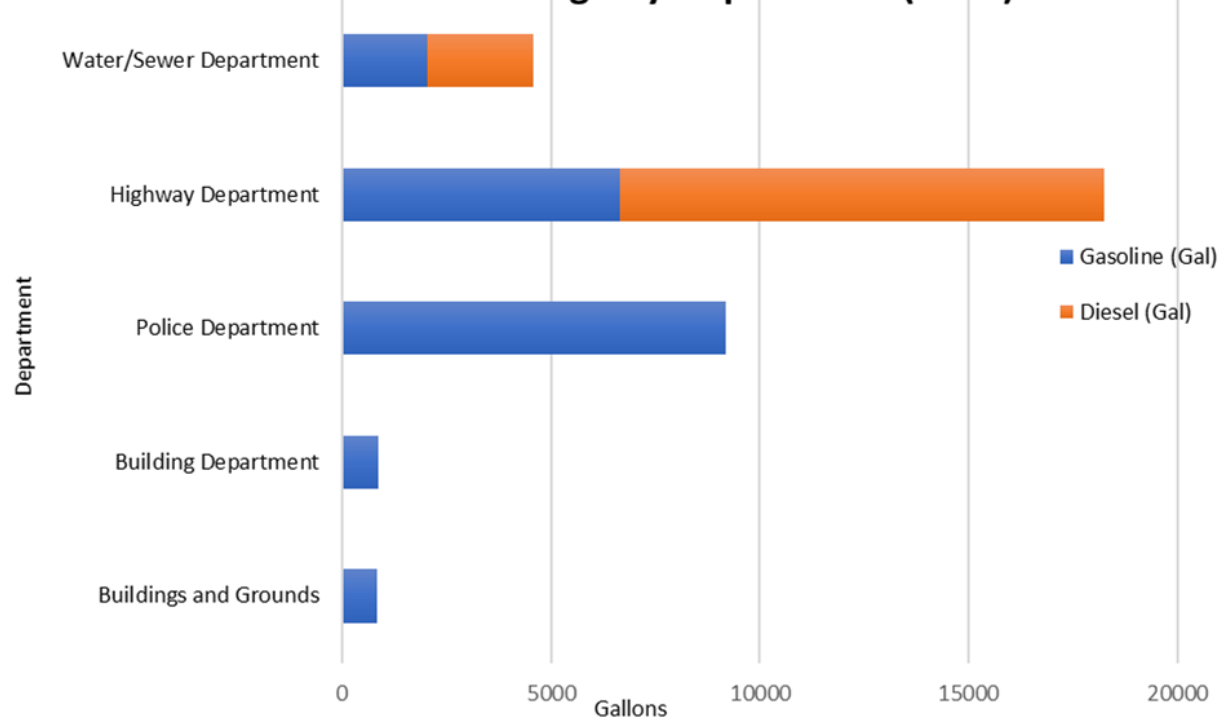
Source: Central Hudson accounts

## GHG Emissions by Function (MTCO<sub>2</sub>e)



**Breakdown by Function**

## Gasoline and Diesel Usage by Department (2022)



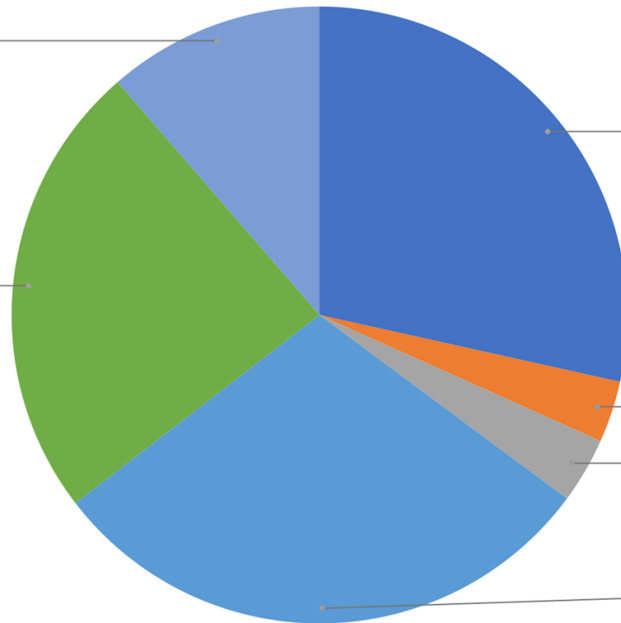
# Vehicle Fleet Breakdown

# Breakdown by Fuel Type

**Emissions by Fuel Type (2022)**

Wastewater Treatment Process  
11.4%

Diesel  
24.1%



Electricity  
28.5%

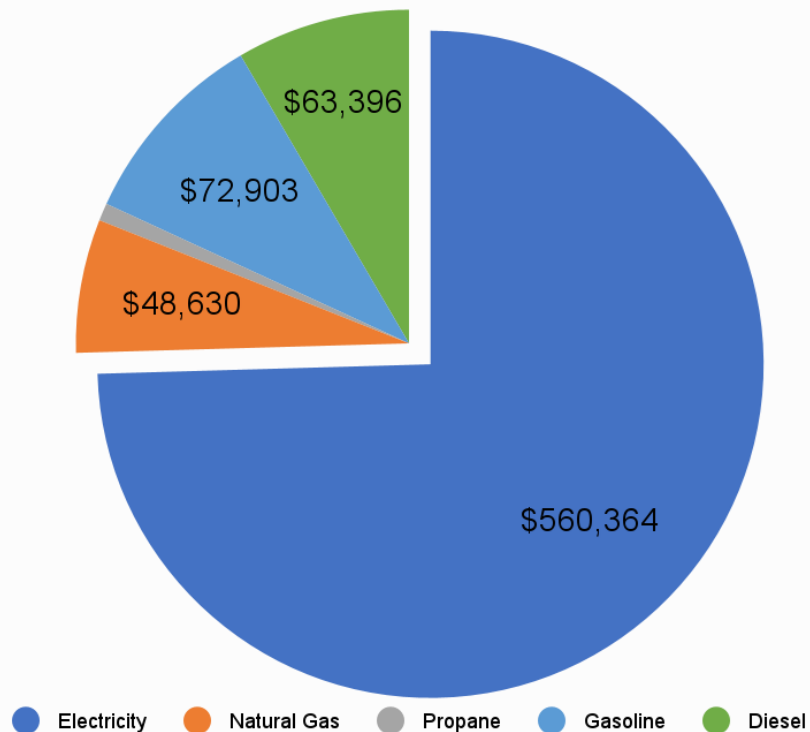
Natural Gas  
3.2%

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