



PE2 ACTION: GOVERNMENT OPERATIONS GHG INVENTORY 2016/2017

PARTICIPANTS INVOLVED IN CREATING THE BASELINE INVENTORY

Climate Smart Saugerties Task Force member Patti Kelly took the lead on compiling the data and assembling the inventory. Throughout the process, the task force had the full support of Supervisor Fred Costello, Jr. and the entire town board. In addition, every department head and their staffs were instrumental in helping with the collection of data. We were also fortunate to have assistance from Europa McGovern, the Clean Energy Communities (CEC) Coordinator at the Hudson Valley Regional Council, who convened monthly meetings for participants who were creating GHG inventories and Climate Action Plans for their towns/villages. The CEC Coordinator generously shared her expertise as she guided us through the creation of the inventory. Jim Yienger and Greg Mumby from Climate Action Associates were patient trouble-shooters on all things related to the inventory and essential partners in this endeavor.

PROCESS FOR CREATING THE GHG INVENTORY.

Developing a Baseline

The baseline inventory process began in January of 2019 and was completed in March, 2019. During that period, the Town of Saugerties collected data for the years 2016 and 2017. The average of those two years serves as the baseline from which we began to fine-tune our Climate Action Plan. The baseline gives the town government the information needed to compare future government GHG emissions and measure the success of the town's reduction goals.

Facilities Master List

The key step was to create a Facility Master List that included the town's sixty buildings and other structures (including streetlights) that use at least one form of energy. Each was assigned a category to indicate the type of infrastructure, and then similar facilities, along with their energy use, were placed into sixteen groups. This makes the inventory more readable and useful for those in town government who will be using it as tool to reduce emissions and for the public who have a stake in a clean energy future.

Data Collection

The GHG inventory accounts for the emissions attributed to town government's operations that consume fossil fuels.

The following data was collected and included in the GHG Inventory:

Scope 1 fuels (Direct GHG emissions)- natural gas, propane, heating oil, kerosene, gasoline, and diesel

Scope 2 fuels (Indirect GHG emissions) electricity

Refrigerants were not included in the data collection, despite having an ice arena in Saugerties. The chiller is a self-contained system that doesn't leak. The town has a contract with Davis Mechanical Service in East Syracuse, NY, and their technicians inspect and test the chiller at the beginning and close of the season, sometimes with spot-checks in between. A recent audit of the ice arena was conducted by Arcadis, and the chiller was determined to be functioning as designed.

Also attached is the 2017 solar report pertaining to the town's Senior Center.

INVENTORY ADOPTION and RELEASE to the PUBLIC

The preparation of the inventory, although difficult and frustrating at times, was a tremendous learning experience for everyone involved. When it was presented to the Saugerties Town Board and the public on April 17, 2019, it was formally adopted and enthusiastically embraced as a tool to assist board members working with municipal staff to reduce greenhouse gas emissions. The task force remains committed to doing its part to help with that effort. The inventory is incorporated into the town's Climate Action Plan and posted on the town website.

<https://townsaugerties.digitaltowpath.org10234/content>