Overview

The problem our sponsor had was a large amount of utility bills with little to no organization from all the companies they own. Our sponsor wanted the team to organize these utility bills in a model which would allow them to find the highest cost and emission companies will also calculating their carbon footprint. They would then like to be able to input new utility bills in the future which will also be easy to see in this model.

Objectives

Our objective for this semester was to create a model using excel which would incorporate these utility bills allowing the user to quickly see their energy price and consumption while also calculating their footprint. They could then input new utility bills which will do the same with this information.

Approach

- Find a software GrahamPartners was comfortable using.
- Divide the given utility bills up among the team to put into excel.
- Create a summary sheet of these utility bills.
- Implement a model which will allow the user to find highest consumption and emissions.
- Using eGRID, find the current method to produce energy in each area for each company.
- From the eGRID data and the utility bills, calculate the carbon footprint for each company.
- Recommend ideas for reducing the companies cost and carbon footprint

Outcomes

The final outcome of this project was an excel model with a summary spreadsheet of all the companies that had utility bills along with being able to organize them according to highest cost and emission. The spreadsheet contained hyperlinks in the summary sheet which would take the user to different sheets for the company they look to investigate.