

# **COS / Rate Design Task Force Meeting**

**Docket No. 20-057-11**

**October 14, 2020**

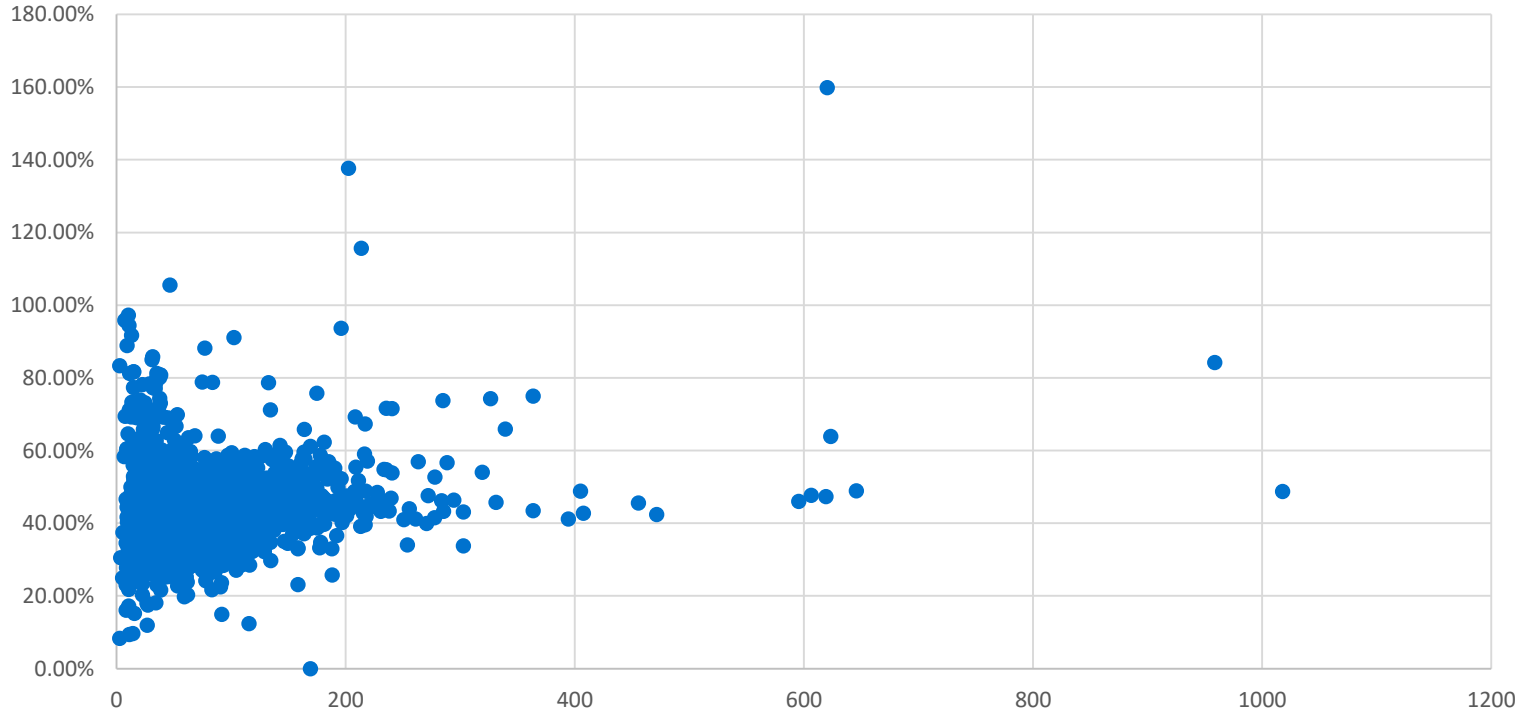
# GS Class Split Analysis

# Splitting the GS class

- Differences in customers
  - Size
    - Current rate design utilizes a declining block structure to account for differences in sizes
  - Load Factor
    - Current rate design charges more in the winter months to account for differences in demand use
  - Plant costs
    - Current rate design charges a different Basic Service Fee to account for differences in plant size
- Should any of this be changed due to differences between residential/commercial?

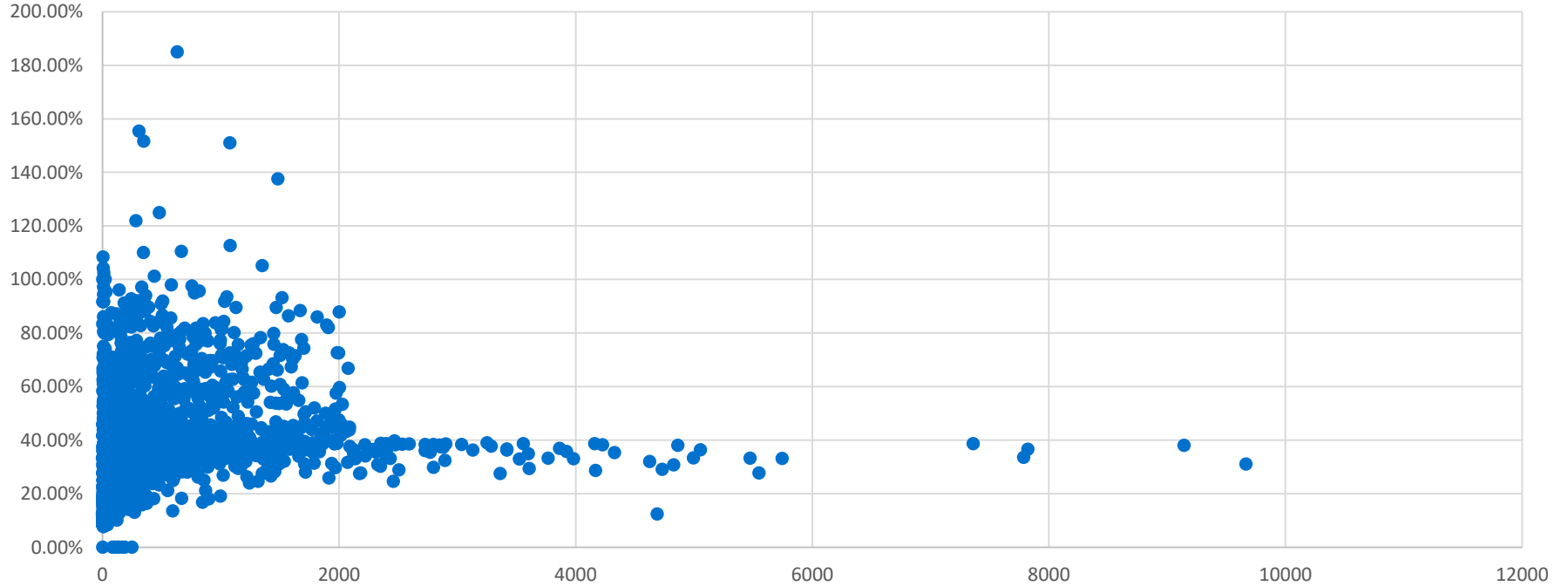
# GS Residential (Repeat from August)

Residential Annual Usage vs. Load Factor



# GS Commercial (Repeat from August)

Commercial Annual Usage vs. Load Factor

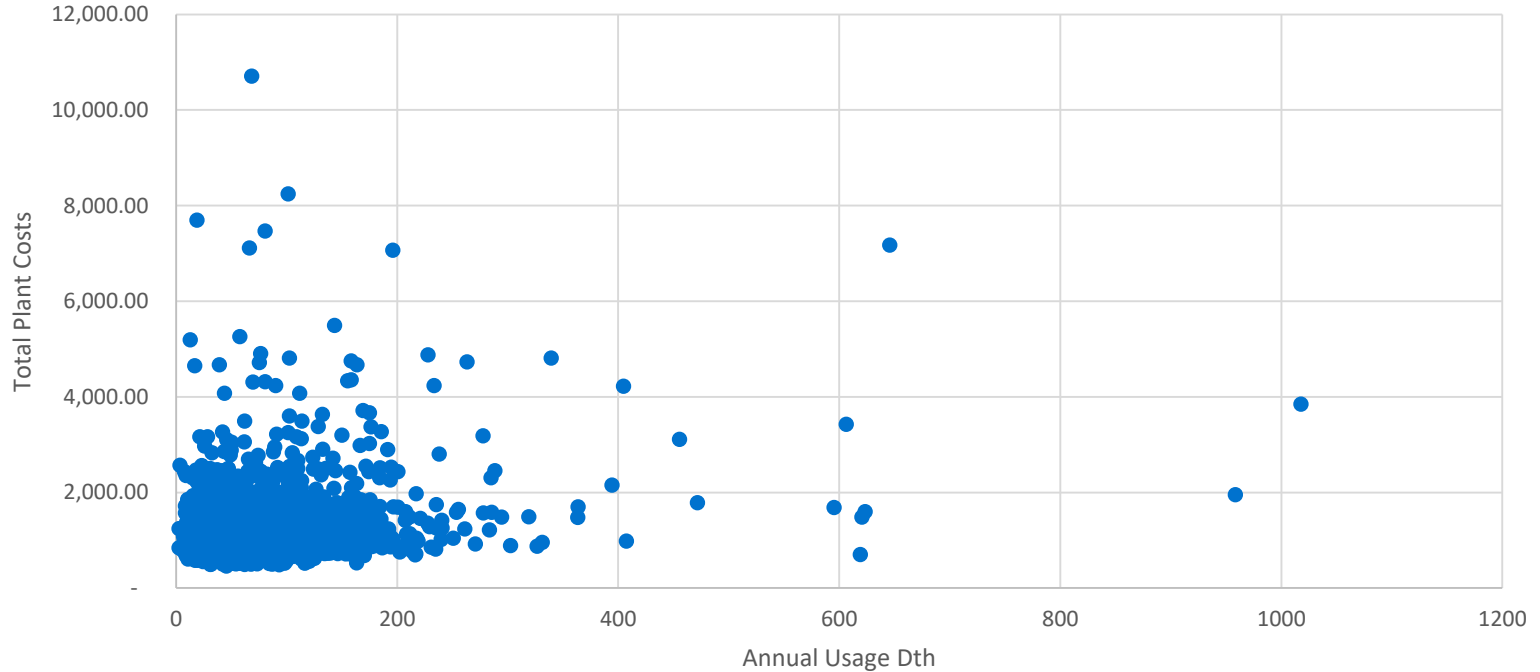


# New Analysis

- Are there differences in plant costs for residential and commercial GS customers?
- Trace tool in mapping software
  - Meter cost
  - Service line cost
  - Main cost within 1,000 ft
- Same study used for distribution plant factor study in general rate case
- New scatterplots for:
  - Annual Usage vs Plant Costs
  - Load Factor vs Plant Costs
  - Plant cost per Dth

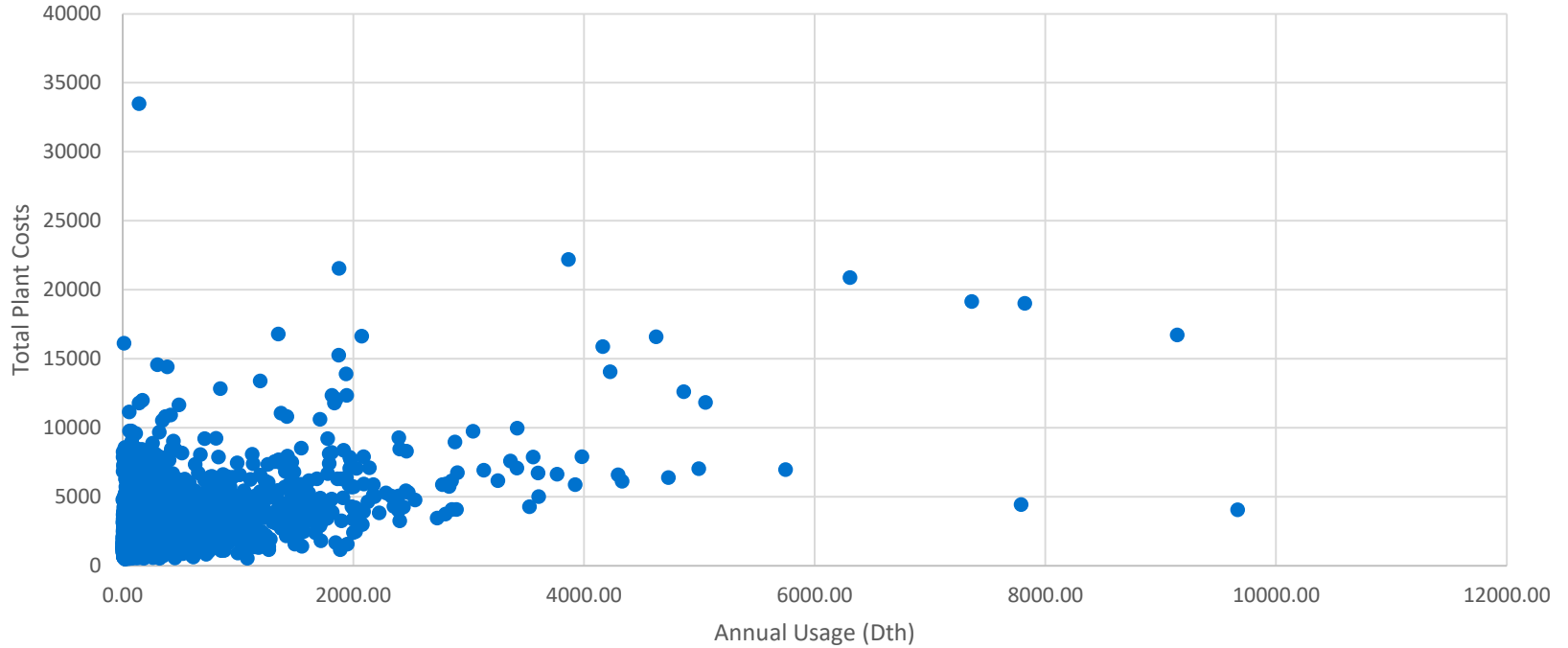
# GS Residential – Annual Usage vs. Plant Costs

Annual Usage vs. Plant Costs



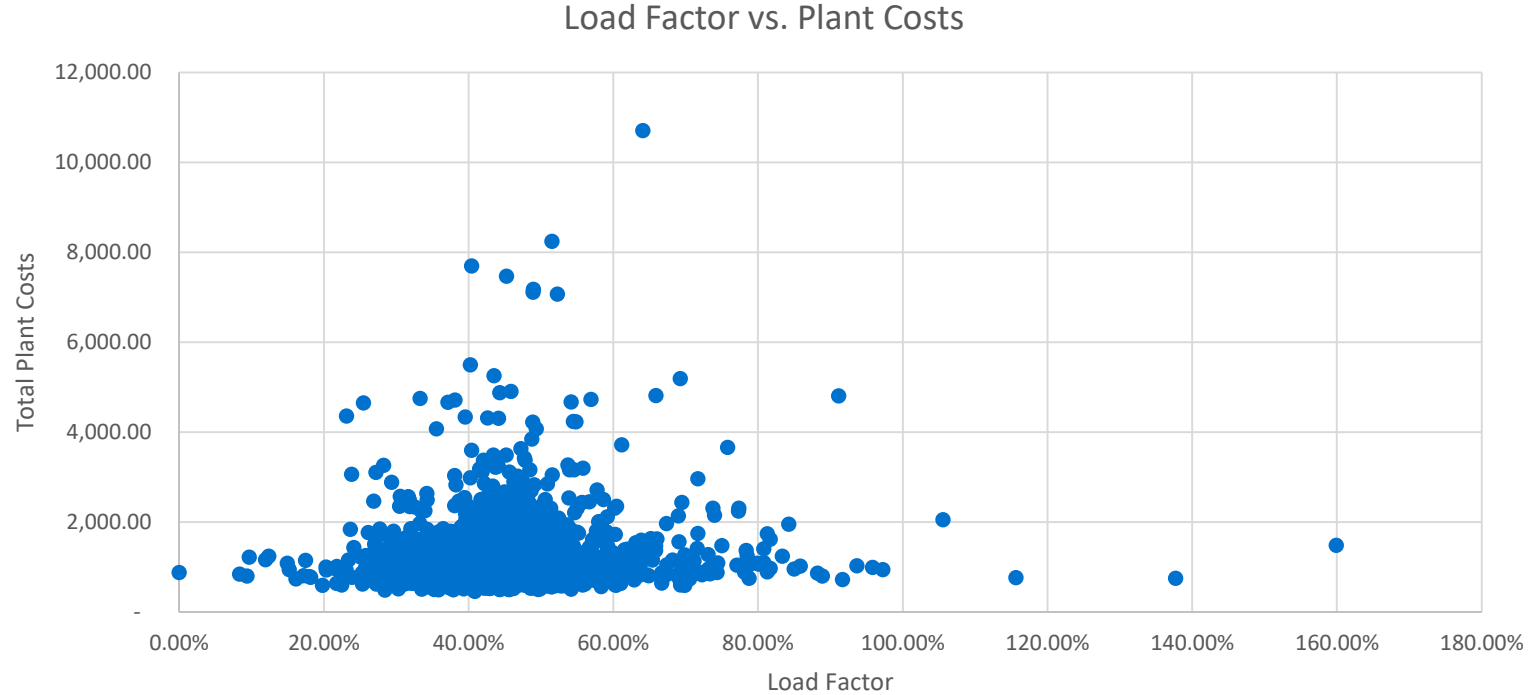
# GS Commercial – Annual Usage vs. Plant Costs

Annual Usage vs. Plant



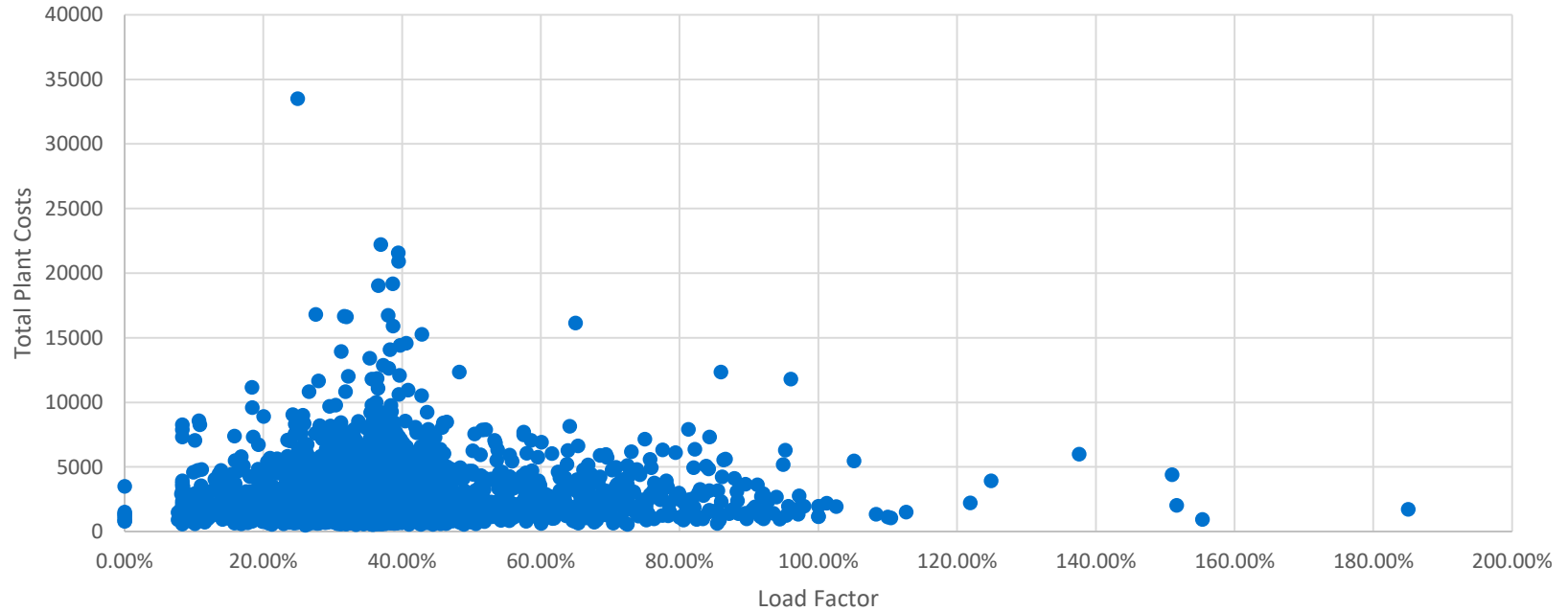


# GS Residential – Load Factor vs. Plant Costs



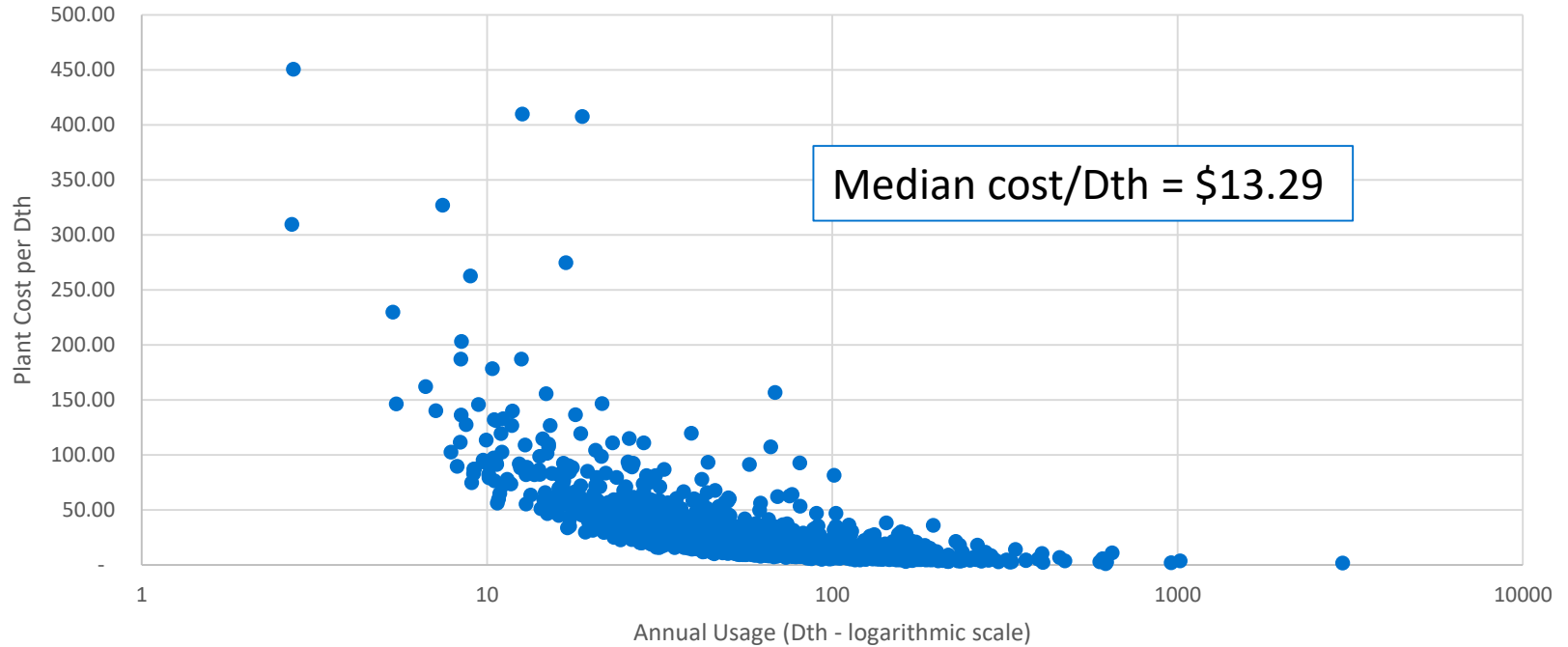
# GS Commercial – Load Factor vs. Plant Costs

Load Factor vs. Plant Costs

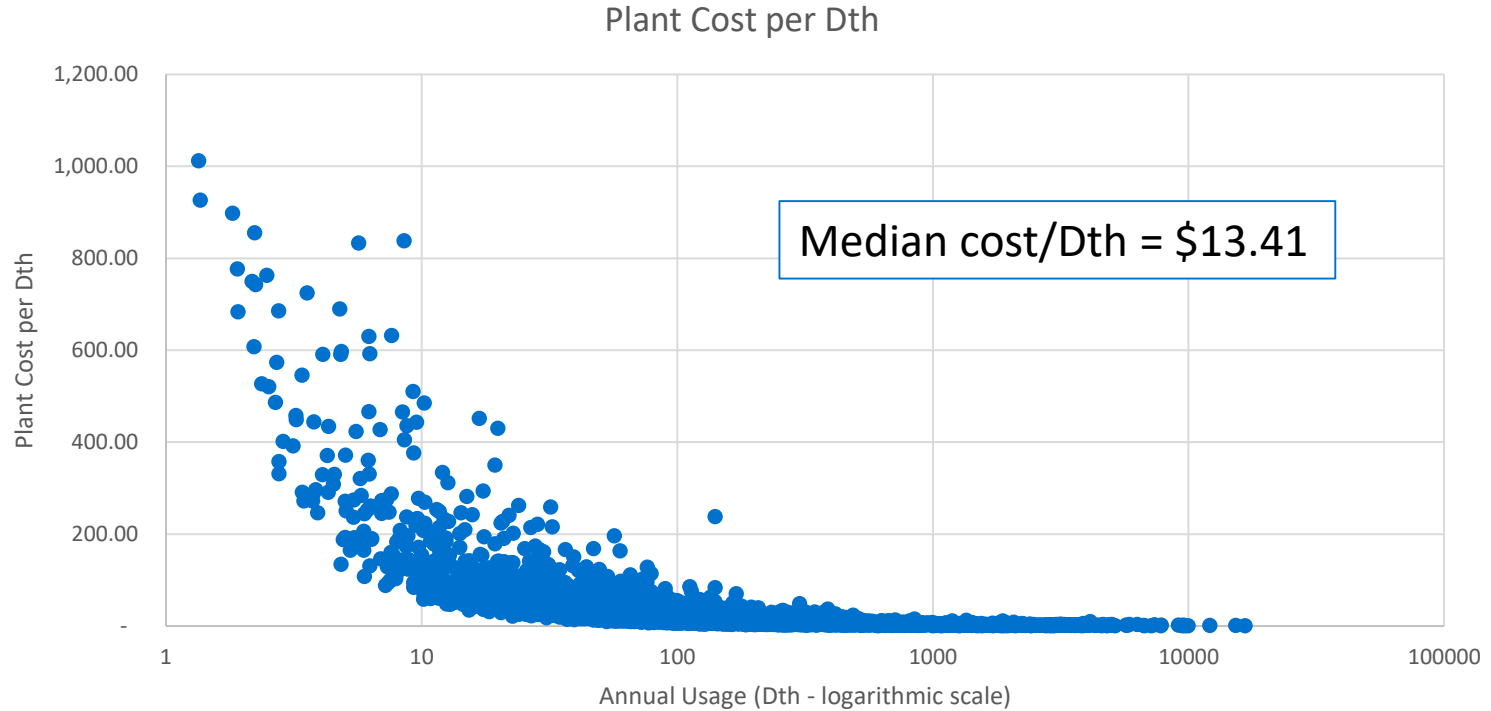


# GS Residential – Plant Cost per Dth

Plant Cost per Dth



# GS Commercial – Plant Cost per Dth



# Next Steps

- GS Class – Ideas of how to split?
  - Residential/Commercial?
  - Large/Small?
  - Why?
- TS Class
  - Split into small, medium, and large classes based on annual volume
    - Less than 25,000; 25,000 – 250,000; greater than 250,000
  - COS Results ready for November meeting
  - Rate Design ideas?
- Future meetings and topics