Problem

Need

- Stakeholders: TCNJ Energy Management Team, Developers, TCNJ
- Market Need: As the effects of climate change become more apparent, it was important to create a tool that allows the TCNJ Energy Management team to reach their goal of becoming carbon neutral by 2040

Approach

- o Extract data from database using metername, start date, and end date
- Format the data for web page elements
- Create a table
- Create line charts
- Create stat cards to display averages and sums



Solution

- Benefits
 - Our tool uses TCNJ specific energy demand data
 - Our queries use the closest start date and end date based on user input
 - Our design uses bootstrap for better accessibility on mobile devices
- Cost
 - The tool can be used as a standalone website
 - o For more exposure the tool could be
 - Embedded at https://energy.tcnj.edu/ as a separate module
 - Or, for easier setup, the standalone website or the GitHub repository could be linked at https://energy.tcnj.edu/

