

## EE/CprE/SE 492 Bi-WEEKLY REPORT 6

August 2019 – May 2020

Group number: 28

Project title: New Design Concept for Residential Electric Meter Adapter

Client &/Advisor: Alliant energy/Zhaoyu Wang

Team Members/Role: Zane Heifner – Communication

Brenden Koenighain- Design/Documentation

Derek Drees- Research

Austin Meyer-Testing

o Bi-Weekly Summary: Over the period of time since the last update we have continued to prep the 3D model for delivery to our clients and have begun final documentation and presentation materials for our presentation date of April 28<sup>th</sup>. We are compiling all reports and drawings into our final power point and are producing initial poster designs to turn into the 492 team and finish out our senior design experience.

o Past 2 weeks' accomplishments/individual accomplishments:

**Major group accomplishment: We are to the point where the final design is pretty much done and the 3D model is complete minus any small tweaks that we decide on as we compile documentation.**

- Zane Heifner: Zane has finished the 3D model and has begun to produce the detailed drawings for dimensioning to be incorporated into the final presentation.
- Derek Drees: Derek has begun the process of finalizing the explanations and documents for why we have chosen the sizes and equipment that we needed to complete this project.
- Brenden Koenighain: Brenden has begun to complete initial brainstorm and Ideas for the poster the group will turn in as well as gotten the initial framework for our presentation done and has gathered information for a very rough estimate of cost for our final project.
- Austin Meyer: Austin has produced the bi-weekly report document as well as revised criteria to evaluate the success and failures of our design as best we can with the unprecedented events that have sort of derailed the end of this semester.

Team Member	Contribution	Weekly Hours Week1/week2	Total Hours
Zane Heifner	Completed 3D model	9/7	184
Derek Drees	Documenting decisions and reasons	7/7	178
Brenden Koenighain	Began design for poster and final presentation as well as gathered rough cost estimate.	8/8	179
Austin Meyer	Altered test plan and success/failure criteria	8/7	177



o Pending issues

- There are no issues this week that are keeping us from moving forward.

o Plans for the upcoming week: Finish documentation, poster, and final presentation for our presentation date of April 28<sup>th</sup>.