

## **EE/CprE/SE 491 WEEKLY REPORT 5**

**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 Weekly Summary: We have begun the actual intimate details of our design and are beginnings of fleshing out the final revision of our plan. We are going to set up a meeting with the clients this upcoming week to ask more specific questions, report our response from the state inspector and present lists of items we will need from Alliant for the actual prototyping of our design and to ask them for lists of what they already order in bulk to cut down on additional costs for the company by going outside of their usual channels and orders.

o Past week accomplishments/individual accomplishments:

- Zane Heifner: Scheduling meeting with our clients and continues to bounce back and fourth with Alliant and the university on the IP agreements.
- Derek Drees: Began additional drawings and brainstorming for the more fine details of the design for presenting to client.
- Brenden Koenighain: Creating a calendar for the project with design due dates now that we have a solid design to run with and client approval.
- Austin Meyer: Waiting to hear from Alliant on what connections and materials they already have available to prototype with and could possibly be used for this project to save money now and in the future.

o Pending issues

- We need to resolve this question about the ownership of the intellectual property and if we need to be signing non-disclosures. There has been a lot of back and fourth between the university and Alliant but no resolution seems to be immediate. We are also awaiting a couple of lists of available items and measurements from the client to assist in our prototyping.

o Plans for the upcoming week: We will continue to look for channels to resolve the issues with our intellectual property ownership and will begin fleshing out the specifics of our design and get a schedule made now that we feel confident in moving forward with this design. We will also be meeting with the client again to get some item lists and more information on what is available to us.