
EE 491 Bi-Weekly Report 1

8/20/18 – 9/10/18

Group 11

High-Level Design of a Distribution Microgrid

Client: Alliant Energy

Advisor: James McCalley

Nick Stitzell – Communications Engineer

Minoru Fernando – Research Engineer

Joe Thurin – Power Engineer

Taylor Murphy – Power Engineer

Remo Panella – Data Engineer

Project Objective:

Create an excel document that estimates the cost of incorporating distributive generation and storage into a microgrid system at Nichols, IA.

Summary:

The first couple weeks of the semester we met in the TLA to discuss where our project is at based on the previous semester, to create our first PIRM presentation, to make a schedule for meeting with our advisor and client, and to review the project schedule we created in the Spring.

Past Week Accomplishments:

N/A

Pending Issues:

We will be receiving new data from the summer that Alliant received from their surveys in Nichols. This information will need to be added into the current simulation which will require lots of tedious data entering.

Individual Contributions:

Team Member	Contribution	Weekly Hours	Total Hours
Nick Stitzell	Team Meeting, Planning, and Presentation	3	61
Minoru Fernando	Team Meeting, Planning, and Presentation	3	51
Joe Thurin	Team Meeting, Planning, and Presentation	3	65
Taylor Murphy	Team Meeting, Planning, and Presentation	3	51
Remo Panella	Team Meeting, Planning, and Presentation	3	53

Plans for the Coming Week (9/11/18 – 9/25/18):

We will be meeting with our advisor and our client to discuss the plans we made from the spring semester. Once we've met, we will get to work updating the prototype with summer data and moving forward with the design.

Summary of Client Meeting ():