EE 491 Weekly Report 11

4/17/18 – 4/24/18

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.

Weekly Summary:

This week we completed our material for the first semester of Senior Design. We created a PowerPoint presentation of our design and pitched it to a panel of judges for the culmination of the semester.

Past Week Accomplishments:

Last week we finished our design for the semester, including a simulation of the microgrid environment and calculations for quantities of equipment and visual representations of the system. We also completed our third version of the Project Plan and improved the Design Document. Our team created a test plan to go along with the project plan. We presented our design to Alliant Energy and began Preparing for the panel presentation.

Individual Contributions:

Team Member	Contribution	Weekly Hours	Total Hours
Nick Stitzell	Finished preparing final presentation	5	58
Minoru Fernando	Preparing for presentation	1	48
Joe Thurin	Preparing for presentation	1	62
Taylor Murphy	Preparing for presentation	1	48
Remo Panella	Preparing for presentation	1	50