

EE / CprE / SE 491 – sdmay18

Group 42: “Power Systems Analysis in an Induction Type Wind Turbine”

November 12 – 18

Client:

Ron Zickefoose

Faculty Advisors:

James McCalley and Nick David

Team Members:

Ben Zickefoose – Team Lead/Chief Engineer

Melissa Flood – Power Engineer/Meeting Facilitator

Tate Stottmann – Power Engineer/Test Engineer

Matt Miner – Power and Controls Engineer/Meeting Scribe

David Clark – Controls and Embedded Engineer/Report Manager

Weekly Summary

Finally, got a meeting with REC representative. Team research on REC documentation. Continued Eagle build and layout.

Past Week Accomplishments

Organizing and reviewing documentation. Preparing for meeting with REC and our client. Continued work with power software and microcontrollers.

Pending Issues

Meeting scheduled with REC representative, this week – FINALLY!

Individual Contributions

Team Member	Contribution	Hours	Total Hours
Ben Zickefoose	Making all the last-minute preparations for Wednesdays meeting. I find out that the consulting engineer will not be able to make it...we decide to move ahead anyway. Meeting with REC rep and client. We discuss work performed so far, plan to move forward, and different possible courses of action. Took the client to the wind lab and show them our setup. I took care of transportation for client and had to help with directions with REC rep. Also,	6.5	69

PROGRESS REPORT – 20171118

	donuts. Weekly team meeting. Discuss plan moving forward before break.		
Melissa Flood	Meeting with REC to answer questions about interconnecting and UL certified motors. Worked on wind data.	3	43.5
Tate Stottmann	Meeting with REC rep.	2	43
Matt Miner	Meeting with Rick from REC and Ron (our client). Started reviewing REC documents	3	44.5
David Clark	Continued with Eagle build for both the old version and the new version of the system microcontroller. Meeting with REC representative, Rick and our client Ron Zickefoose.	3	48

Comments and Extended Discussion

None currently.

Plan for Coming Week

Continue researching individual areas. Meeting as a group to discuss current layout of wind turbine. Discussion about REC documentation.

Summary of Advisor Meeting

No advisor meeting.