

EE / CprE / SE 491 – sdmay18

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

November 04 – 11

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

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

Past Week Accomplishments

Working with ETG to upload software in the motor’s lab. Researching specific areas. Working with fundamental and non-fundamental testing procedure. Make phone calls and setting up time with REC.

Pending Issues

Meeting scheduled with REC representative, next week.

Individual Contributions

Team Member	Contribution	Hours	Total Hours
Ben Zickefoose	Meeting with Nick David where he showed me different ways to analyze the project that we could pursue. Reserving room and making accommodations for next week's meeting.	4	62.5
Melissa Flood	Worked on wind data	2	40.5
Tate Stottmann	Tried to organize gEDA schematic to have a verifiable netlist for SPICE instead of gnetlist.	3.5	41
Matt Miner	Tried to hook up the Uno with the Animator got it to read a signal. Still need to make a code so that it is readable.	4	41.5
David Clark	Searching specifications for new microcontroller design. Building circuit design in Eagle.	3	45

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.