

MEETING MINUTES 21

Topic: Meeting 21 – Team Leads Meeting

Thursday, April 05, 2018, 02:30pm - 03:30pm

Chair: Leo Segura De Niz

Attendees: David Willy, Karin Wadsack, Alana B, Alex D

Location: Room 323 @ EGR Building

Table 1. Tentative Schedule

Introduction

1. Announcements
 - a. Institutional excuse forms
 - b. DOE report
 - i. Final Draft DUE April 9th.

Discussion Topics

1. Market Team Update
 - a. V2G
 - i. Finished..
 - b. Siting
 - i. Site visit is complete.
 - ii. Working on a conditional use permit application.
 - iii. Meeting with the county April 13th
 - c. Business Plan
 - i. Working on financials
 - d. Look into 500KV lines in AZ to figure out height to be used with photo simulations.
 - i. Leo looked into them and the 500KV towers are about 135 feet tall. This will be used as a reference height for our visual impacts.
 - e. Alana - Selecting a turbine for the business plan
 - i. Have narrow down to 2 direct drive and 1 non-direct drive → better for turbulent flows
 - ii. She will confirm the hub height and rotor diameter after selecting one turbine
 - iii. Will fill in the turbine info to the DOE report.
2. Test Team Manufacturing, Assembly and Testing
 - a. PCB Board delivered?
 - i. Was delivered Monday (4/2). Working on soldering components to it.
 - ii. Having Transistor issues.
 1. Willy recommends maintaining the Gallium nitride transistors.
 - b. Has the new generator arrived? (AMMO 28-56-1530KV)
 - i. Generator is in and seem like it will work for our application.
 - ii. Alex will place an order for a second generator as advised by Willy.
 - c. Blades status
 - i. Printer down.
 - ii. Two options
 1. Veroclear
 2. Outsource them.
 - d. 2nd order parts
 - i. Transistors and generator.
 - ii. Alex will place an order for a solenoid by tomorrow.
3. DOE Report → Discussed. Alex will follow up with test team leads.

4. Notes from Karin

- a. Who is presenting at the competition?
- b. Suggested sand, bondo, and paint the market model turbine if necessary. Make it look pretty.
- c. Presentation Practice in Capstone is REQUIRED.
- d. Invite students to the business pitch April 18th!
- e. DOE Report → If students are not completing their sections, the team leads have to do it!

Plan for next meeting

1. Review deliverables/ tasks/ to-do's to be completed by the next meeting.