

MEETING AGENDA 14

Topic: Meeting 14 – Planning for the future

Wednesday, December, 6th, 2017

05:15pm-06:30pm

Chair: Anthony Cheslic

Attendees: Alana Benson, Craig Collins, Leo Segura De Niz, Mitchell Green, Michael Vogelsang.

Please bring:

- Engineering- Update on current design responsibility

Location: EGR Building, Rm#323

Table 1. Schedule

05:15pm-05:20pm	Announcements <ol style="list-style-type: none">1. Tyler needs team information.<ol style="list-style-type: none">a. Email sent with link
05:20pm-05:45pm	Discussion Topics <ol style="list-style-type: none">1. Dr. Acker Meeting Update<ol style="list-style-type: none">a. Wind Resource<ol style="list-style-type: none">i. Using Openwindii. Arizona interactive wind maps<ol style="list-style-type: none">1. South Holbrook Dry Lake2. Perrin Ranch3. Grey Mountain4. Mormon Lakeiii. Map of AZ with red circles indicating potential sites. Average wind speeds. Ranking each site 1-4 with pros and cons.iv. Talk with Ignacio about Wind Tool Kit.2. Capstone Deliverables<ol style="list-style-type: none">a. Final CAD/BOM (Due 12/08/17)<ol style="list-style-type: none">i. Shaft needs bearing.ii. Everything appears small.iii. Mainframe needs 5 degree tilt.iv. Nothing needing fixed now, but should be aware as we move towards 3MW.v. Update Nacelle drawing file TONIGHT!b. Final Prototype Summary (Due 12/08/17)<ol style="list-style-type: none">i. Alana, Mike, and Mitchell to meet on Friday at 6:00pm.c. Report Revisions (Due 12/11/17)

	<ul style="list-style-type: none"> i. Attend office hours for clarification on budget and schedule. ii. Rewrite Testing procedures “Anthony” iii. Update assembly and exploded view “Mike” iv. Each person update your individual sections under 5.2. To include new CAD parts and justification. v. Include Cline Library as 3D printer for components of the model for section 6. <p>3. Top Level Design</p> <ul style="list-style-type: none"> a. Where are we at? <ul style="list-style-type: none"> i. Anthony ii. Alana-Wind resource evaluation iii. Craig-Physical model of blade iv. Leo-Performance analysis of blade v. Michael- Wind resource evaluation vi. Mitchell- Wind resource evaluation
6:00pm-6:25pm	<p>Preliminary Winter Break Work Schedule (12/18/17-1/12/17)</p> <ul style="list-style-type: none"> 1. Engineering <ul style="list-style-type: none"> a. Please see last week’s minutes b. 3.5MW Scale Up c. Complete CAD by first week next semester d. Scale down and 3D printing testing first week
06:25pm-06:30pm (Remaining minutes)	<p>Plan for next meeting “AFTER BREAK-NO MEETING NEXT WEEK 12/13/2017”</p> <ul style="list-style-type: none"> 1. Review deliverables/ tasks/ to-do’s to be completed by the next meeting. 2. Send minutes to Craig