

# MEETING MINUTES 17

## Topic: Meeting 17– Project Future

Wednesday, January, 31st, 2017

05:15pm-06:30pm

Chair: Anthony Cheslic

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

### Please bring:

- Engineering- Work completed over the break.

Location: EGR Building

**Table 1.** Schedule

<b>05:15pm-05:20pm</b>	<b>Announcements</b> <ol style="list-style-type: none"><li>1. Blink Call</li><li>2. Meeting at Ross Taylor's tonight</li><li>3. Phone call with Karin Friday<ol style="list-style-type: none"><li>a. Mitchell to join along with Alana, and Anthony</li></ol></li></ol>
<b>05:20pm-05:45pm</b>	<b>Discussion Topics</b> <ol style="list-style-type: none"><li>1. Willy's Breakdown<ol style="list-style-type: none"><li>a. Turbine Design (Reference the Rules)<ol style="list-style-type: none"><li>i. Section 4.4<ol style="list-style-type: none"><li>1. Have a Cp Lambda</li><li>2. Factors of Safety<ol style="list-style-type: none"><li>a. FEA on Tower and Blade</li></ol></li></ol></li></ol></li><li>b. Siting Challenge (100 Miles)<ol style="list-style-type: none"><li>i. Timeline developed</li><li>ii. Siting softwares<ol style="list-style-type: none"><li>1. Looking for multiple softwares to justify results.</li></ol></li></ol></li><li>c. Siting Challenge (At Comp)<ol style="list-style-type: none"><li>i. Team is aware, will pick individual's to complete on-site challenge who excel during local challenge.</li></ol></li><li>d. Car Charging<ol style="list-style-type: none"><li>i. Mitchell to further look into V2G</li><li>ii. Further clarification on what is expected</li></ol></li><li>e. Support Tunnel Team<ol style="list-style-type: none"><li>i. Craig-Blades</li><li>ii. Anthony-Manufacturing</li></ol></li></ol></li></ol>

<b>06:25pm-06:30pm</b> (Remaining minutes)	<b>Plan for next meeting</b> <ol style="list-style-type: none"> <li>1. Review deliverables/ tasks/ to-do's to be completed by the next meeting.</li> <li>2. Allow time to review website for weekly meetings.</li> <li>3. Review DOE Rules and Regulations</li> </ol>
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I just met with Willy to talk about path moving forward with the Market and Test Teams. He was trying to get a better understanding of the work load from the Market Team's perspective. From that meeting, he broke up our workload into 5 main areas that he thinks the Market Team should focus on this semester.

**1. Turbine Design** - This entails finishing up the turbine design with all necessary requirements per section 4.4 Technical Design of the Rules and Regulations. This is what we have been working on finishing up this semester. If we can get it done now, we can get Willy's approval and move on to other tasks.

**2. Siting Challenge (Within 100 mile radius)** - This relates to section 7.1 of the Rules and Regulations and is what we have been working on breaking down this semester. I would say we have pretty much complete this.

**3. Siting Challenge (at the competition)** - This is making sure that we are in good shape to complete the onsite challenge by referencing the bullet points on section 7.1.1 and Appendix B, Table B-5 of the Rules and Regulations.

**4. Car Charging Station** - This portion refers to the design of a car charging station using software. Going more in depth into the Simulink model that he brought up during the Friday meeting with the Market Team.

**5. Support Tunnel Team** - And a big reason for going through this exercise was to come to this. He wants us to be able to support the test teams wherever possible. I mentioned that Craig was already going to be spending the majority of his time helping out blade design with the test teams. Willy thinks that the test teams will need more support than that, specifically when it comes to manufacturing. It seems like the test team might be struggling with manufacturing since it is uncertain if the shop will be offering any training this semester. With that being said, you are the only one currently trained in the shop so he would like you to help out there. However, with the workload that the Market Team already has, we cannot support 2 team members to go help out the test teams. So, Willy suggests that we make good progress on the Market Team so that when the time comes when they might need your help, we can have Craig back to the Market Team. This would allow one person to be helping out the test team at a time but still maintain a good balance so that we can complete all that is required of the Market Team.

**What we need to do:**

1. Come up with a good strategy to get all of this done.
2. Assign Owner's (who is responsible?) for each of the major tasks above.
3. Come up with a Gantt Chart or timeline for the things above. Noting that some of the major tasks above are time critical (need to know the critical path) and others are not. Meaning that some things like Siting challenge at the competition and portion of the car charging station may be left until the end of the semester but others like Supporting the tunnel team and aspects of the siting challenge within a 100 mile radius need to happen now or very soon.

Willy wanted me to run it by the team so that we can have some of this "strategy" figured out by Thursdays leads meeting. I think this will be a great thing for us to work on during the Wednesday market team meeting. I am sure there will be questions. Shoot me an email or bring them to the Wednesday meeting.