MEETING MINUTES

# Topic: Meeting with Willy

## Wednesday, February 26, 2020

## 1:00 pm– 1:30 pm

**Minutes recorded by \_Rachel Watanabe\_\_\_\_\_\_**\_\_\_\_\_\_\_\_\_\_\_

**Meeting called by** **Rachel Watanabe**

**Attendees: Rachel Watanabe, Toren Schurb, Jayne Sandoval, and Professor Willy**

**Please bring:** Laptops/device to access online team docs; be prepared to discuss questions/concern, and prepare to possibly work on Openwind

**Table 1. Record of meeting.**

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| 1:00 am to end | **Talking about questions to be asked and this weeks’ meetings*** Discussion led by Rachel Watanabe
* Tried to get clarification on how Professor Willy wanted the Team to move forward with the COE errors
	+ Email the CWC NREL contact to see if she can fix the problem
	+ don’t need to attach the blb file the first time around just add error image and explain the problem that is accruing
* Discussed findings just from the EC
	+ based on just the EC the 80 m hub height captures more energy than the 100 m hub height
		- it is believed that the nocturnal jet in Colorado may have something to do with it
			* Professor Willy wants the team to look into it more and find a figure or paper that explains if the jet if the reasoning behind why the lower hub height being better
* Talked about how the team decided to look at only Vestas Turbines
	+ SG not responding/getting back in contact with the team
	+ Picked up a second Vestas Turbine option but having a hard time finding power curve
		- V112: Professor Willy said that if cut0in, cut-out, re cut-in and power rating of a Vestas Turbine is the same we can assume the power curves are the same and just state the assumption in our paper
* Tom still isn’t responding to our phone calls and emails
 | Willy’s Office |

**Table 2. Tasks Assigned.**

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| --- | --- | --- | --- |
| **Task** | **Person Assigned**  | **Due Date** | **Date Complete** |
| Complete runs within Openwind (& upload blb and data) for 2 types of turbines each type having a 100 and 80 m hub height (at less 4 runs total) [EC and annual Levelized COE] (>=8 runs each)[Changes: only need 2-4 runs since we can’t get ahold of SG and may not have 2nd location since it wasn’t shared in file by Toren] (this task is being broken down and modified by the following 6 tasks) | Everyone | Original:2/20/20@ 4pmExtended: 2/23/20 | see modifications below for the following 6 tasks |
| EC runs for sites based on the original date | Everyone | 2/20/20 | 2/20/20 |
| Reach out to NREL CWC contact about COE error(Team review email before send off) | Toren (Jayne & Rachel) | 2/26/20 |  |
| Find a similar Vestas Turbine and its power curve that the Team can use to base the power curve for V112 off of for the second possible turbine | Rachel | 2/28/20 |  |
| Email Professor Willy to get approval for turbine power curve assumptions once a close Vestas turbine is found  | Rachel | 2/28/20 |  |
| Build a turbine file for the V112 and upload to Google Drive once approval is received from Professor Willy | Rachel | 3/2/20 |  |
| Select a final site location and turbine | Everyone | Original:2/15/20 @10pmExtended:3/8/20 |  |
| Look into more detailed permitting/zoning for Powers County | Rachel | 2/24/20 | 2/24/20 |
| Make a Google Doc with questions/concerns for Tri-state, Prowers County, Tom, Vestas based off of this meeting with Karin  | Everyone | 2/24/20before meeting | 2/24/20:Rachel (before the meeting)Jayne (at the meeting) |
| Contact Tri-State, Vestas, Tom and Powers County at the meeting with pre-planned questions/concerns(Toren as our outreach person will continue to try and make contact) | Everyone | 2/24/20ASAP | reached out but no response |
| Email and set up a time to work with Willy if the team can’t figure out with is wrong with set up for COE | Everyone | 2/23/20 | 2/24/20 |
| Finish assigned sections of the implementation Memo  | Everyone | 2/28/20 |  |
| Fix site locations within the blb file based on newfound information on the county and proposed wind farm site locations | Toren | 3/2/20 |  |
| Look into the nocturnal jet and try to see if it’s the reason for the lower hub height capturing more energy | Jayne | 3/6/20 |  |

**Next formal meeting: 3/2/20, MEP, EGR Building, at 10:45 am.**