

Group number: 1706

Project title: Renewable Energies Lab

Client &/Advisor: Prof. Ajarapu

Team Members/Role:

Leader: Travis Merrifield

Webmaster: Erika Korhonen

Communications: Noah Chartouni

Idea Holder: Josh Pahl & Steve Ukpan

● **Weekly Summary**

This week we got a lot of housekeeping matters out of the way. We established how we are going to communicate, set meeting times and met with our advisor.

● **Past week accomplishments**

- Erika: Read through documentation from advisor
- Josh: Read about solar cells and how they are modeled. As well as about batteries
- Noah: Worked Reading documentation from advisor and learning more about solar cells
- Travis: Created mailing list, requested documentation from advisor, Created google drive for group and refined weekly report template. Read Provided documentation.
- Steve: Met with advisor, gained insight about goals for the project

● **Pending issues**

- Erika: N/A
- Josh: N/A
- Noah: N/A
- Travis: N/A
- Steve: N/A

- **Individual contributions**

<u>NAME</u>	<u>Individual Contributions</u>	<u>Hours this week</u>	<u>HOURS cumulative</u>
Elika		1	1
Josh		1	1
Noah		2	2
Travis		3	3
Steve	--	1	1

- **Comments and extended discussion**

There is already a group that started this project last semester. We need to get in contact with them. Prof. Ajarapu requested that we meet with them every other week.

- **Plan for coming week (please describe as what, who, when)**

- Elika: Continue reading documentation from Advisor and research simulink. Review power engineering.
- Josh: My plan is to put together a presentation about power electronics as well as be able to talk about the other subjects that need to be presented to our advisor on monday. This will involve mainly learning and reading about the subject matter.
- Noah: My plan is to continue studying solar cells and play with simulink.
- Travis: Read documentation from Advisor and research simulink. Create presentation material on how batteries work.
- Steve: Get familiar with power electronics and read documents provided to the group

- **Summary of weekly advisor meeting (if applicable/optional)**

Discussed what the project entailed and why it will be useful. We set a regular meeting time. Prof. Ajarapu said he would like us to present knowledge of topics on solar cells, MPPT, batteries and inverters.