
EE/CprE/SE 491 WEEKLY REPORT 10

4/17/23 - 4/30/23

Group Number: 16

Project title: Feasibility of Solar PV Energy for Puerto Rico

Client &/Advisor: Vikram Dalal

Team Members/Role: Adam Curtis, Hannah Nelson, Isaac Buettner, Larry Trinh, Manuel Perez-Colon

o **Weekly Summary**

In the past 2 weeks, we had our final meeting with our advisor Professor Dalal and reviewed key ideas that we wanted to highlight, tie up loose ends for the semester, and set goals going forward. Specifically, we asked us to highlight cybersecurity concerns that may be included in smart grid technology and review the cost of electricity and solar energy in Puerto Rico compared to California or Arizona. In addition to that, we worked on compiling the final design document and creating our final presentation as well.

o **Past Week's Accomplishments**

Hannah: I spent the majority of my time writing our design document, editing, updating old research, fixing formatting, etc. I also helped develop the plan/testing strategy for cybersecurity concerns and how we would potentially address that issue next semester using NERC guidelines. Adam and I also created the presentation and made sure to include all the relevant information in that, as well.

Manuel: In the past two weeks, I worked on the final design document and edited past documents for them to be accurate to the current understanding of the project we have. Practice for the final presentation, and made slight edits to it.

Adam: During the past two weeks I worked to write and finalize the design document as well as create our presentation for the faculty panel. We met with Dr. Dalal and received feedback, as well as practicing our presentation in front of the TAs and professor to improve it.

Larry: In the past two weeks, I met with my team to finish up the design document. We also had a meeting with Dr. Dalal. We had a practice for final presentation last Tuesday. I did not have any new researches. Most of the time I spend for practicing for final presentation.

Isaac: Unfortunately I was out of town last weekend, so this limited some of the time that I could have spent contributing to the project and helping out with the presentation. However, I spent these past 2 weeks working on the final design document and preparing with the others to reach the final stretch, update the website, and get ready for our final presentation.

Individual contributions

<u>NAME</u>	<u>Individual Contributions</u> <i>(Quick list of contributions. This should be short.)</i>	<u>Hours this Week (2 weeks)</u>	<u>HOURS cumulative</u>
Adam Curtis	Research, estimates	12	54
Hannah Nelson	Design doc, presentation, research	12	54
Isaac Buettner	Design document, website update, presentation prep	4	41
Larry Trinh	Design document, presentation	3	40
Manuel Perez	Presentation, Design document	10	42