

## EE/ CprE 491 – ssddec18-19 Weekly Report

2/27/18 – 3/6/18

Group number: 19

Project Title: Design and Implementation of a small scale standalone Hybrid Solar PV and Wind Energy Generation System

### Client & Advisor:

Venkataramana Ajjarapu

### Team Members/Role:

Christopher Goodrich: Reasearch Engineer

Taylor Mullen: Testing Engineer

Kenny Nguyen: Testing Engineer

Damon Stubbs: Research Engineer

Andrew Wassenaar: Team Leader

### Past Week Accomplishments:

- Completed PowerPoint presentation to client about prior group's lab
- Completed understanding of lab model and how each component operates and interacts with one another

### Issues:

- Client continues to disagree with our proposals of creating some new loads for the lab

### Individual Contributions:

Name	Individual Contribution	Hours this Week	Cumulative Hours
Christopher Goodrich	Spent this time looking into how the lab was structured and the limitations to the circuit. We also looked in to the different design requirements to improve the lab.	4	20
Taylor Mullen	Look into the components of the lab and find potential problems and determine new ideas for the lab	3	18
Kenny Nguyen	Brainstorm ideas for new loads and did research on how new loads can be implemented with current set up.	3	19

Damon Stubbs	Researched into more PV characteristics and simulated different specifications	2.5	19.5
Andrew Wassenaar	Continued to brainstorm design ideas and began preliminary feasibility testing. Looked further into existing design to determine problems and possible areas of improvement	4	19

**Plans for coming Week:**

- Review components for lab
- Review and run the lab to see if there are problems and if group can replicate data gather from previous group
- Determine areas lab need to be improved
- Determine new loads