

## EE 491 WEEKLY REPORT 10

Date: 4 Apr 2016

Group number:DEC1613

Project title: Investigating voltage increases in distributed generation power systems

Client &/Advisor: Mark Scheibe, Anne Kimber, Zhaoyu Wang

Team Members/Role: Adam Beck: Team Leader

Trevor Andersen: Communications Leader

Matthew Ladd: Webmaster

(All the above information should be there in each weekly report)

### ✓ Weekly Summary (Short summary about what you did this week)

This week, we finally got access to Windmil software, and are working on analyzing our data. Presentations are right around the corner, and we are researching various papers about distributed generation, and getting information about the different possible solutions to the voltage increase problem, as well as these solution's costs and complexity when applied to a real system.

### ✓ Past week accomplishments (please describe as what was done, by whom, when)

- ❖ Previous week was spent waiting for a working full version of Millsoft from the software company

### ✓ Pending issues (if applicable)

- ❖ At this point we need to analyze our data and make sure we have a firm understanding of our model at the SCADA data from the client. This issue is magnified by the short time frame of the end of the semester.

✓ **Individual contributions**

<b><u>NAME</u></b>	<b><u>Individual Contributions</u></b>	<b><u>Hours this week</u></b>	<b><u>HOURS cumulative</u></b>
Andersen	Out of Town	1	27
Beck	Communicating with Client, analyzing windmill model, finding research	5	34.5
Ladd	Website, finding research, analyzing windmill model	5	34.5

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

- ❖ We are working primarily on our Windmill model, and learning how to analyze it, manipulate it, and apply the solutions we are researching to the model to find the best solution.