

EE 491 WEEKLY REPORT 2

Date:02/5/2017

Group number: Dec1702A

Project title: Algona Municipal Utilities Power System Designs

Client &/Advisor: Algona Municipal Utilities / Anne Kimber

Team Members/Role: Yuxuan Yuan: Leader; Shengxin

Mao: Communication director; Changlin Li: Software master;

o Weekly Summary

In this week, we had a meeting with Professor Kimber. We finish the NDA form first and talk about the visit of company. Actually, both our group and Professor Kimber don't have any detail information about project. So that is important to visit company early. But that is hard to fit everyone schedule and we still need to talk with Professor Wang and graduate student Nichelle in the next week. And we try to write some problems that we want to ask and which type data we need in our project. Also we need talk with Professor Kimber about these problems in the next meeting.

o Past week accomplishments

- Team Member Yuxuan Yuan: Work on the problem list. I try to read relative textbook to find out which type data we need in distribution system. And I think about some cost problems because we need to hand in a cost analysis.
- Team Member Shengxin Mao: I search more information about this company and town. I also analyze the company's 2015 annual report which provide from professor Kimber and that will helpful in our cost analysis.
- Team Member Changlin Li: I download OpenDSS and started to learn this software through some video and example. We also met our advisor about NDA signature and some meeting time that we would meet in next weeks.

o Pending issues

- Team Member Yuxuan Yuan: For distribution system, i still have a lot of issues. And I need to find a book about the cost of project. And because Professor Kimber and Professor Wang has a conflict time schedule, we need to talk about that and choose a day to visit company.
- Team Member Shengxin Mao: We will need search more information about utility

which may include company profit and some data, for example, the difference customer usage.

- Team Member Changlin Li: We will work together to list a list of questions about analysis cost of the company and I will still spend some more time learning OpenDSS.

o **Individual contributions**

<u>NAME</u>	<u>Individual Contribution</u>	<u>Hours this week</u>	<u>HOURS cumulative</u>
Member Yuxuan Yuan	Read relative book and list the problems.	4	8
Member Shengxin Mao	Search some information about utility.	3	6
Member Changlin Li	Work with teammates to list the problems and watch some videos about OpenDSS	3	6

o **Comments and extended discussion**

For this week, we discuss about the date of visit company. And we keep to familiar with distribution system and Open DSS software. We list some problems that we want to ask. In the coming week, we need to talk with Professor Wang and Professor Kimber and optimize our problem list.

o **Plan for coming week**

- Team Member Yuxuan Yuan: For the coming week, I try to keep read the book and talk with Nichelle about the distribution system. That will help in the visit of company. And I need to discuss about my problem lists and visit schedule with Professor Kimber and Professor Wang.
- Team Member Shengxin Mao: We will talking with Professor Kimber again, and search more information about this company and town. We also will continue to learn how to use DSS before the project start.
- Team Member Changlin Li: I will meet with our advisor this Thursday and maybe talk

about some troubles I met in OpenDSS with our team leader. And keep watching videos on YouTube.

o **Summary of weekly advisor meeting**

In this weekly advisor meeting, we finish the NDA form and discuss about the problem list. We hope we can have a correct start in the project. Visit the company to find out the detail and data is the most important thing in the beginning of project.