

EE 491 WEEKLY REPORT

Date: 02-19-2017

Group number: Dec1702B

Project title: Re-conductor or New Construction Transmission Lines

Client: Musctine Power & Water

Advisor: Anne Kimber

Team Members/Role: 1. Robert Cohoon (Team Leader)

2. Abdelmagieed Ibrahim (Key Concept Holder)

3. Jinan Li (Web Master)

4. Chang Sun (Communication Leader)

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

Since that we are changing to a new project, this is our first week with the new project, we:

- Contacted our client for a detailed project description
- Did preliminary research related to the new project, for example, we searched every type of conductor on the list that our client gave us, hence to compare their features between the conductors and decide the proposal for our senior design.
- Had the regular meeting with our advisor on Friday, 17th Feb to figure out the plan for the following week's research.
- Finalized our first Skype meeting with our client on 21st Feb.
- Got our NDA Form signed by the client in the week 20th – 24th Feb.

Past week accomplishments (please describe as what was done, by whom, when or collectively as a group)

Bob Cohoon: • Preliminary research based on the project details that were sent (Transmission Lines).

Abdelmagieed Ibrahim: • Met with Anne Kimber to clarify some terminology.
• Done research about different types of conductors that used in transmission lines

Jinan Li: • Met with Anne to get the information from the client since we change the project.
• Did some research about IEEE stander and different types of conductors.

Chang Sun: • Met with Anne and got reference journals on different type of conductors.

- Analyzed the features of different types of conductors based on journals and research results.
- Send the NDA form to the client and got it signed by the coming week.
- Finalized the Skype meeting date with the client.

Pending issues (if applicable)

Bob Cohoon: Figuring out the length of transmission line according to further reference materials going to provide by the client.

Abdelmagieed Ibrahim: Waiting the client to send line construction profile.

Jinan Li: Waiting for the client for more information.

Chang Sun: NA

Individual contributions

<u>NAME</u>	<u>Individual Contributions</u>	<u>Hours this week</u>	<u>Hours cumulative</u>
Bob Cohoon	Research on Transmission Lines	3	10
Abdelmagieed Ibrahim	Participated in team meeting; Researched about types of conductors	6	13
Jinan Li	Research	3	10
Chang Sun	Contact with client; Analyzed the parameters of different types of conductors	4	12

Comments and extended discussion

We do not have any information about the length of the transmission line, nor the standard that used by MPW, so we waiting for more information from the client.

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

Bob Cohoon:

- Get more detailed information from the further materials provided by the client
- Do more research on the lines and construction costs.

Abdelmagieed Ibrahim:

- Meeting with the client via Skype
- Learn about sag/Tension calculation.

Jinan Li:

- Meeting with client, more research on stander different and conductors which used in transmission lines

- Start the fundamental design on the project website.

- Chang Sun:**
- Get further supporting materials from client on the project.
 - Schedule the first Skype meeting with the client.
 - Seek for more supplemental journals and references for the project.

Summary of weekly advisor meeting (if applicable/optional)

We had a regular meeting with our advisor Anne Kimber:

- Anne found us some very helpful journal relating to different types of conductors mentioned by our client.
- During the meeting, we discussed the potential problems with the project (problem we need to figure out and solve).