

PROJECT:	115 kV/34.5 kV Solar Power Plant/Substation Design Project
CLIENT:	Black and Veatch Corporation
CLIENT CONTACT:	Adam Literski
ADVISORS:	Venkataramana Ajjarapu, Anne Kimber
TEAM EMAIL:	may1602@iastate.edu

CHASE BENTON:	Team Leader
SENKO DIZDAREVIC:	Team Communication Leader
ARIF IBRAHIM:	Team Webmaster
MAKOKO MUKUMBILWA:	Key Concept Holder

ACOMPLISHMENTS

This week we continued our revisions of the substation drawings, revisions based on Adam Literski's input. The key protection CAD drawing is nearly complete pending approval. The project plan version 2 is also complete, this will most likely be our final revision of the project plan. At this point of the project we were in a position to understand the entire project and make a proper plan.

MEETING NOTES

Dr. Ajjarapu Meeting 10/21/2015 2:00-2:30pm

Dr. Ajjarapu was planning to attend our client meeting, but our client was slightly late to the conference call, thus we went ahead and had the meeting with Dr. Ajjarapu. We discussed the project plan and the need for a simplified system block for our project. Although we had a block diagram, it was too simple in our advisor's opinion. The rest of the time was spent discussing the operations of our substation.

Client Meeting 10/28/2015 2:30-3:00pm

Our client, Adam Literski, took us through our drawing revisions. Turns out we have much left to do on the key protection drawing. Most of the time in this meeting was spent clearing up confusion that pertained to the drawings.

PENDING ISSUES

We still have yet to finalize conductor requirements due to lack of voltage drop parameters and there are minor markup issues with the substation drawings.

WEEK SUMMARY

Progress was made on drawings such as safety relay configurations. Project plan version 2 is completed.

GOAL FOR NEXT WEEK

- Continue substation drawings, focusing on key protection.
- Continue with conductors.
- Finalize array layout AutoCAD drawing.

INDIVIDUAL CONTRIBUTIONS

Chase Benton:

- Configuring safety relays on substation key protection drawings.
- Project plan V2 contribution.
- Attended meetings.

Senko Dizdarevic:

- Completed weekly reports.
- Completed project plan V2.
- Conductors and miscellaneous revisions to array layout CAD drawing.
- Attended meetings.

Arif Ibrahim:

- Configuring safety relays on substation key protection drawings.
- Updating website as per Dr. Mina input.
- Attended meetings.

Makoko Mukumbilwa:

- Substation drawing revisions.
- Attended meetings.

HOURLY CONTRIBUTIONS

Team Time Contribution Week 9 (hours)		
Member	Week Contribution	Individual Cumulative
Chase Benton	7.5	44.0
Senko Dizdarevic	6.0	62.5
Arif Ibrahim	7.5	56.5
Makoko Mukumbilwa	3.0	22.5
Team Week Total	24.0	
Team Cumulative Total	185.5	