

EE 492 Weekly Report 1

End of EE491 to 01/30/2025

Team 41

115/34.5kV Solar Plant & Substation

Client: Black & Veatch

Faculty Advisor: Ajjarapu Venkataramana

Team Members:

Andrew Chizek -- Submissions

David Ntako -- Lead/Start BV Meeting

Ben Palkovic -- - Meeting Recorder

Mohamed Sam -- Team Leader

Sergio Sanchez Gomez -- Communications

Dallas Wittenburg -- Communications

Weekly Summary:

During the first week, there was no meeting with the client. In the second week, we collaborated with the client to establish a suitable time for our weekly meetings and successfully finalized a schedule. The client did not assign any new tasks until this week. Once we received the task, we held a group meeting to work on it in preparation for our upcoming presentation. Additionally, we reached out to our advisor to schedule a review meeting. However, our advisor was unavailable due to illness but informed us that he would find a time to meet with us soon.

Past Week Accomplishments

- Began researching substation components and compiling data sheets
- Began creating an updated and improved Gantt chart
- Met with Black & Veatch to start the substation portion of the project.

Pending Issues

No issues

Individual Contributions

Name	Contribution	Hours this Week	Total Hours
Andrew	Found datasheets for different CCTVs	2	2
David	Found data sheets for transformers and disconnect switches.	2	2
Ben	Found data sheets from General Electric, and attended meeting	2	2
Mohamed	Conduct research about Circuit Breakers	2	2
Sergio	Review and compare CCTV datasheets to select the best option for our substation, considering a variety of factors	2	2
Dallas	Working on updating Gannt Chart based on our client's recommendations. Creating timelines for tasks throughout the semester.	2	2

Plans for Coming Week

- Finalize and refine our task for the upcoming presentation.
- Review our progress and ensure all documentation is complete.
- Meet with our advisor once he is available to receive feedback.
- Attend our scheduled client meeting to discuss any updates or new tasks.
- Collaborate as a team to stay on track with project goals and deadlines.
- Address any missing details or improvements needed before the presentation.
- Select bus configuration
- Start component selection
- Start one-line drawing

Action Items for Client

- Revamp Gantt chart
- Download & access ETAP done
- Save data sheets for:
 - Transformers

- o Disconnect Switches
- o Circuit Breakers
- o CCVTs
- o Compare and contrast various ones; next meeting present one of each and describe its characteristics