
EE/CprE/Se 492 WEEKLY REPORT 9

April 1, 2019- April 7, 2019

Group Number : sdmay19-17

Project Title: Substation Design

Client: Burns & McDonnell

Advisor: Manimaran Govindarasu

Team Members:

Jacob Heiller- Controls Engineer

Rebecca Franzen- Studies Engineer

Connor Mislivec- Quality Control Specialist

Riley O'Donnell- Administrator

Tom Kelly- Project Manager

Wilson Pietruszewski- AutoCAD Engineer

Nicolaus Cory- AutoCAD Engineer

Weekly Summary:

This week, we focused all of our work on schematics. With the due date coming up on April 12, we have continued to finalize our schematics by making minor corrections after interactions with the client. This week, we had multiple phone calls with Burns and McDonnell to ask many questions and to ensure we have all the details correct. The group members that are not assigned with the task of schematics have been working on determining what to include on the poster as well as for the final presentation in the class. Next week we plan to finalize all schematics and submit our final deliverable to the client.

Past Week Accomplishments:

- Continue work on transformer schematics- Wilson and Riley
 - Performed QC check on all inputs and outputs using protection document and one-line
 - Determined minor corrections after feedback from client
 - Finished missing piece of AC schematics
- Work on line differential schematics- Wilson and Riley
 - Went through protection document to determine inputs and outputs
 - Drafted correct SEL using example drawing
 - Had phone call with client to discuss progress and ask questions
- Work on Breaker Schematics - Jake, Connor, and Tom

- Had a phone call with the client to clarify how to layout and properly format the breaker schematics
- Began drafting using protection document and AutoCAD
- Began determining information needed for poster and final presentation- Rebecca and Nic

Pending Issues:

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Individual Contributions:

Name / Role	Individual Contribution	Hours this week	Cumulative Hours
Rebecca Franzen	Poster & Presentation	4	130
Jacob Heiller	Breaker Schematics	7	139
Tom Kelly	Breaker schematics	5	133
Connor Mislivec	Breaker schematics	5	131.5
Riley O'Donnell	Transformer Schematics & Line Differential Schematics	16	163
Wilson Pietruszewski	Transformer Schematics & Line Differential Schematics	18	166.5
Nicolaus Cory	Poster & Presentation	4	64.5

Comments and extended discussion:

Plan for the coming week:

- Complete the Breaker Schematics - Jake, Connor, and Tom
 - Once the breaker schematics are completed, they will be QC'ed by other group members and sent to the client for modifications and approval
- Complete transformer schematics- Riley and Wilson

- Make minor changes after meeting with client
 - Perform QC check by another member of the group
- Complete line differential schematics- Riley and Wilson
 - Make minor changes after meeting with client
 - Perform QC check by another member of the group

Weekly Advisor Meeting Summary:

- Advisor meeting was canceled due to conflicts with group and advisor