

EE/CprE/SE 491 – sdmay20-15

Substation Design

Weeks 7 8 R

Client:

Burns & McDonnell

Faculty Advisor:

James McCalley

Team Members:

Kaitlyn Ziska – Professor Client Liaison

Brian Mace – Chief Engineer

Brandon Kaas – Scribe

Salvador Salazar – Meeting Facilitator

Justin Fischbach – Test Engineer

Robert Huschak – Report Manager

**Bi-Weekly Summary:**

These weeks begin the long process of completing the schematic diagrams and wiring. Currently, most of the schematics are completed and ready to be submitted for review in both paper copies and CAD drawings.

**Past Week Accomplishments:**

*ORGANIZATIONAL ACCOMPLISHMENTS:*

- 1) Organized and named files for ease of reference and readability

*TECHNICAL ACCOMPLISHMENTS:*

- 1) Finalized rough draft work on Protection and Control systems for the substation.
  - a. Finished wiring the three 138kV breakers and 2 relays associated with them.
  - b. Draw connections on sample breakers and relays to coincide with scope document
  - c. Translate drawings into modified CAD cells
  - d. Reference connections between drawings with proper labeling

**Pending Issues:**

No pending issues. Ahead of schedule

**Individual Contributions:**

Team Member	Individual Contributions	Bi-Weekly Hours
Kaitlyn Ziska	Schematic wiring/CAD work – group meeting	20
Brian Mace	Schematic wiring/CAD work – group meeting	21
Brandon Kaas	Organization + Planning – group meeting	18
Salvador Salazar	Schematic wiring/CAD work – group meeting CAD work	22
Justin Fischbach	Schematic wiring/CAD work – group meeting	21
Robert Huschak	Schematic wiring/CAD work – group meeting	21

**Plan for Following 2 Weeks:**

- 1) Submit rough draft of protection schematics
- 2) Begin on finalizing protection schematics
- 3) Begin Wiring Diagrams
- 4) Prepare for peer review

\*Slightly odd next weeks because little work is expected over spring break