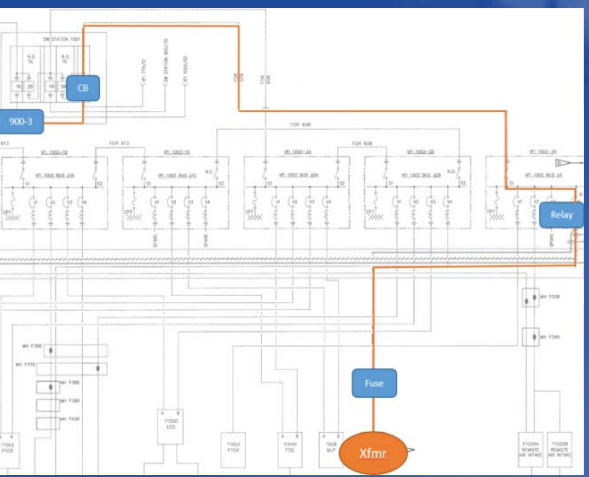




# Electrical Engineering Medium Voltage Protection and Coordination We Keep the lights on so you can explore the stars.



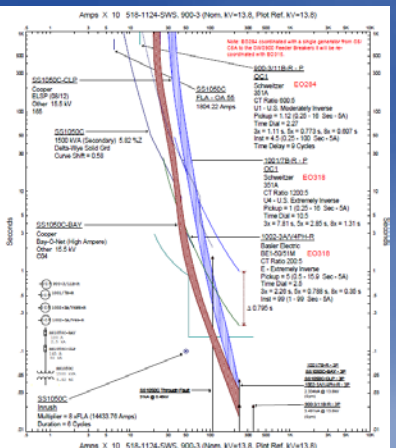
University of Central Florida  
Electrical Engineering  
GRADUATION DATE: August 2020



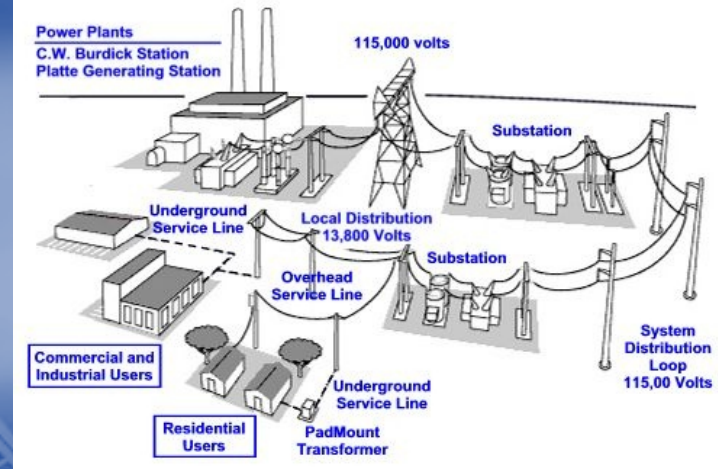
Electrical Single line Diagram

Synchrowave analysis tool

- Selectivity-the complete isolation of a fault without altering any other portion of the electrical system
- Verify coordination between protective devices for replacements and new installations as designed by ISC
- Verify drawings are correct for each project and the protection is accurate for the equipment that is being installed
- Verify power readings on equipment
- Support for trouble shooting failed equipment and provide input for solutions to repair issue
- Provide feedback for future maintenance and projects



Time Current Curve (TCC)



General Power distribution system  
Credit: City of Grand Island Nebraska



Electrical King of Medium Voltage  
Mentor: Ray Davis P.E.  
Division Chief: Gus Diaz  
Supervisor: Manny Cabrera  
Director SI: Nancy Bray SI-C1

