

EE 492: Weekly Report 5

February 25th – March 2nd

sdmay19-24:

Power System Reliability in MISO for High Wind/Solar Levels

Team:

Zaran Claes, Shelby Pickering, Matt Huebsch, Shannon Foley,
David Ticknor, Ian Rostkowski

Advisor:

Dr. James McCalley

Client:

Midcontinent Independent System Operator (MISO)

Accomplishments this week

Task:	Group members who contributed:	How they contributed:
Created both base case models.	Shannon/Ian/Shelby/Matt	During the team's meeting with MISO last week, the team discovered that they will need two base models in PLEXOS. The first is a model with zero renewables and the second is a model with MISO renewables only.
Progress on scripting for automation.	David	Met with client to talk about the script for automation of LOLE and ELCC calculation. Worked collaboratively to develop the process and layout of data flow.

Pending Issues

When trying to have a Saturday work session, the senior design team ran into the issue of being locked out of their VM. The team emailed ETG and got back into the VM first thing the following Monday.

Plans for next week

Progress towards the project was slow this week due to a majority of the group having midterms this week. However, the team plans to contribute additional time next week in order to try and make up for this lost time.

Main contributions will be continuing to develop the PLEXOS model scenarios and the development of the automation script.