

# DEC15-20: DISTRIBUTION SYSTEM PROTECTION

## *Group Members*

POSITION	MEMBER
FACULTY ADVISOR	VENKATARAMANA AJJARAPU
TEAM LEADER	SHANE THOMPSON
COMMUNICATIONS LEADER	ALEC WALCZAK
WEBMASTER	BRAD BENDER
CONCEPTS HOLDER	JOE NEAR

## *Weekly Accomplishments*

- Contacted Industry Members

After multiple attempts at contact and some message forwarding, we were able to contact a DE from Alliant Energy. This DE is in charge of the area of the largest PV installations in the entire state of Iowa. It will take him a while to centralize all of the data, but that will give up time to move forward on other tasks.

- Acquired Project Direction

After speaking with Dr. Ajjarapu, we have a better idea of our next steps in our project. We know we need to model a fake feeder system to acquire a better understanding of the effect of PV injection to a distribution grid.

- Continued Research

This week we continued to research PV penetration and protection systems.

## *Next Week's Objectives*

- Begin to model the system on software. Model the distribution system in OpenDSS.
- Research potential solutions. Research the specifics on feasible solutions to the problem.
- Understand the problems caused on a distribution feeder.

## *Pending Issues*

- Much more research needs to be done in multiple aspects of the project.
- A fake model distribution system needs to be acquired.

*Hourly Contributions*

MEMBER	WEEKLY HOURS	CUMULATIVE HOURS
ALEC	4	22
JOE	4	20
SHANE	4	20
BRAD	4	22