

### Group Members

1	Sunny Srinivasan	Magna IV Engineering
2	Cody Winchechter	Peabody Energy El Segundo
3	Murray Duncan	Nexans AmerCable
4	Jaden Mitzel	Coteau
5	Josh Entzel	Falkirk Mining Co.
6	Ed Meyer	Nidec - Avtron
7	Patrick Spengler	North Antelope Rochelle Mine
8	Jeremy Vogle	Coteau

### Safety Items

- We started our discussion on arc flash safety and continued the discussion for a good portion of our time. Everyone agreed it is of prime concern.
- Cody shared his experience and mentioned his facility went through the arc flash study, training, PPE and coveralls.
- Jaden asserted that they have chicken switches for remote operations.
- Josh endorsed Jaden.
- Murray talked about importance of coordination study and Sunny talked about lowering the incident energy and shared how in other market segments the awareness was no that high.
- Ed stressed how insurance company mandate arc flash study.
- Josh talked about potential risk of opening panels.
- Patrick talked about the arc boundary
- Cody talked about supervisor training on safety. Also brought up the issue of lock box cable work and of late using electrical interlocks for better safety of personnel performing maintenance.
- Remote shut down, grounding disconnect.
- We talked about striping/preparing cable for splice or termination, the use of safety knife, blade etc. and protective gear.

### New Innovation/Technology

- Ed, Murray on Maglite, LED light. Jeremy on hard hat metallic lights
- Voltage indicating lights in cables/junction box
- Murray talked about Reflective wave technology for fault location/diagnosis
- Wireless communication for remote fault diagnosis

### Problems and Solutions

- Cable fault and wireless comm
- Fault trip sensors, SEL products
- Saturation faults with trucks - hard wire sub faults and Coleman could not figure it out.
- Difficulty at times to get troubleshooting by vendors

### Future Meeting Topics

Switched Reluctance Technology for motors, drives - Ed Meyer  
Energy storage/microgrid for remote sites

### Future Locations

- New Orleans
- Nashville
- Austin