

Group 2 Discussion Notes

Attendees:

Steve Wetzel - Southwire
Sonny Grimes - Luminant
Andy Beard - Cloud Peak Energy
Joshua McLaughlin - Buckskin Kiewit
Brian Hodson - Eaton
Bruce Schumaker - GPTS
Tony Shoetino - Eaton
Tracey Fetter - DCS

Safety Items:

Brian - NEC70e maintenance requirements are being pushed more and more by inspectors and companies - that may get pushed down to MSHA
Sonny - new faster fuses on their 138kV system reduced PPE requirements from level 4 to level 2
Sonny - PPE space suits get hot! they wearing cold vests with cooling packs underneath them to compensate
Andy - They use Take 5 principle to analyze hazards before going out to the work site - planning ahead can prevent injuries.
Steve - New CEO is putting a big push on safety
Sonny is using Fluke ammeters w/Bluetooth, allowing users to keep a safe distance away when making measurements

New Innovations and Technology:

Tony (Eaton) - Arc Flash Reduction Maintenance Switchgear reduces energy during maintenance - reducing risk, its required for everything over 1000A as of 2014
Tracy (DCS) - Has a dual drive system allowing for each armature keeping the same torque on all motors.
Tracy also has an accuPlot system that does X-Y plots with a data acquisition system for draglines. It can plug into PLCs to get the data so you are not running wires everywhere

Problems and Solutions:

Josh and Sonny - LED lighting, less maintenance, better lighting,
Sonny said they replace batteries every year on emergency lights as it keeps them operational. Sometimes a spot check just drains the last life out of them. MSHA is hitting hard on lighting at Buckskin and Spring Creek.
Tracy - Static parallel path isolator is a great way to avoid MSHA ground check monitor fines. It will not allow the earth to be the path so when the system is ungrounded, it trips out.

Future Topics:

Trailing Cable and monitoring systems
Cable Repair
Lighting differences, eating what works and what does not.

Future Locations:

Not this Hotel
Rapid City