

## Group 1 Discussion Notes

### Attendees:

Dave Durocher – Eaton  
Sven Lunberg – MES  
Ben Balbach – Flanders  
Chet Steele – Trapper Mine  
Dustin Emerson – Coteau Mine  
Don Patterson – DCS  
Allen Colbert – Sabine Mine

### Safety Items:

Chet Steele – Near miss. Testing overhead crane with remote control in hand. Trolley moved and hit lift basket with worker in it. Hadn't thought you could run over yourself.  
Chet Steele – MSHA is saying 3-5 years to adopt NFPA 70E. Trapper mine now de-energizing. No live work.  
Allen Colbert – Electricians involved in recent incidents that were not electrical.

### New Innovations and Technology:

Ben Balbach – Komatsu 830 AC truck upgrade for Cloud Peak.  
Dave Durocher – Discussed partial discharge. High humidity. Tracking.  
Allen Colbert – Changing from Atkinson to Startco on ground monitor system. Sabine has parallel ground path, so they are installing isolators.  
Chet Steele – Old GE inductor master switches not linear, retrofitted with Merrott.

### Problems and Solutions:

Don Patterson – Updated 1948 dragline new digital regulator went from cycle time of 2 minutes to 55 seconds.  
Dustin Emerson – Changing lighting in coal handling facilities to LEDs. Working ok but during washdown, water enters and shorts out control board.

### Future Meeting Topics:

Don Patterson – Power Generation, where are we at in the US?  
Don Patterson – Case studies are good.  
Allen Colbert – Applications of drones in mining.  
Allen Colbert – Vision systems for autonomous drills, hazardous locations.

### Future Locations:

Desirable to have large airport nearby. One guy had to take 4 flights to get to Gillette.