

Meeting minutes 02/08/2021 – 30 minutes

## 2021 Week 2 Meeting

### 1. New technology

- Researched and discussed new technologies for substation equipment:
  - IED relays
  - Phasor measurement unit
  - Battery monitoring systems
  - Power transformer monitoring

### 2. Substation Layout & Cable Trench

- We looked a little bit at typical substation layouts and important components
- We will receive a bit more info that will help us move forward
- Likely won't have time to start designing control scheme, but may get some understanding of it

### 3. One Line Diagram

- Take a look at provided documentation to understand substations and make a decision for what we want to do
- We will do one line diagram and plan diagram for the substations
- Calculations and other tasks will come later, layout is first
- Most basic idea is 34.5kV lines → to 115kV

### 4. Action Items

- Patrick and Adam will email us more specific details and documents for topics covered today
- Student team will work on one line diagram and bus layout this week

- Finish off IP agreement forms