

Technical Scope of Work
Broad Street Substation

The contractor shall:

- Disconnect power, control and instrumentation wiring for each existing rectifier, associated transformer and AC circuit breaker.
- Disassemble as needed and remove each rectifier, associated transformer and AC breaker.
- Prepare floor for new equipment.
- Procure and install (2) each replacement rectifier, transformer and AC breaker assemblies.
- Provide and install new power, control, instrumentation and communications cable interconnections between new equipment and existing DC switchgear.
- Provide and install control wiring in existing DC switchgear.
- Provide, install and terminate interconnecting fiber optic communications cable.
- Provide and install components to update existing SCADA Remote Terminal Unit (RTU).
- Provide testing, commissioning, startup and training for all provided equipment and SCADA.
- Provide configuration and programming changes in existing SCADA software:
 - Update tags in HMI, historian, data server and alarm notification software.
 - Update substation status, tag monitor and trend display screens in HMI software.
 - Update RTU tags and logic to communicate with data server.
- Provide training for substation equipment and SCADA updates.