

Chief Joseph 480V Station Power - SU1-4 MCC Boards

This project will upgrade existing 480V Station Power SU1-SU4 motor control center boards, switchgear, and associated transformers. The new equipment will include modern circuit breakers, improved personnel safety risks, and a new SCADA system with increased operations from the control room. SU1-SU4 motor control center boards are critical to the daily operations of the project. SU1-SU4 are the motor control center boards located in the powerhouse and provide the required power to generating units. This power is required to operate all ancillary equipment IE: governors, exciters, and control systems. This project requires a comprehensive inspection of the existing 480V Station Power – SU1-SU4 motor control center boards and associated components which will be accomplished prior to final scoping of the statement of work.

Chief Joseph Dam 480V Station Power – SU1-SU4 motor control center boards are at manufacturer's end of life and were installed in the 70's and 80's. Due to the age of the equipment, performing required maintenance on above items has become increasingly difficult as replacement parts are hard to acquire. Additionally, the switchboards are at a greater risk of failure and/or arc flash due to the antiquated design of equipment.