

Hungry Horse Station Service Replacement

This project will replace the station service 2300V power distribution board and 13.8kV cables installed as original equipment (circa 1950) in the power plant. The project also includes replacement of the original protection systems by installation of over-current protection for 10 breakers; metering relays for 8 station service distribution circuits; the addition of load shedding capability; and motor controllers and protection relays for two circuits for the domestic water pumps.

Repeated and frequent failures of the station service switchgear continue to create unscheduled maintenance outages affecting generation, as well as disruption to critical control systems in the powerplant and dam. Costs to maintain and refurbish the switchgear to ensure safe and reliable service are steadily increasing. Failure of the station service distribution system would result in the inability of the facility to provide for water control or generation, particularly since the facility is unmanned and remotely monitored/controlled from Grand Coulee.