

Ross Heatline Replace 500kv System Spare Shunt Reactors

The purpose of this project is to replace three poor condition 500kV 60MVAR shunt reactors on the Ross Heatline. BPA needs viable system reactor spares to respond to failures and restore the system in the event of reactor failures on the system. These spare shunt reactors are intended to support 30 500kV 60MVAR shunt reactors installed on BPA's system as well as a reactor at Malin Substation, which we are contractually required to support in the event of failure. Without an available reactor, high voltage conditions can damage the insulation of other equipment on the transmission system. This could cause equipment damage that will require repair or emergency replacement. The replacement of this equipment will improve grid reliability, reduce outage duration, and help protect Transmission assets in an emergency event.