

Switchgear Replacement for Fault Duty FY12

This project is a key element of the AC Substation strategy and replaces high priority, high risk of failure and costly to maintain equipment at Garrison, Marion and Raver substations. The equipment includes circuit breakers, circuit switchers, disconnect switches and station service. These primary high voltage devices for the power system serve a function which is integral to transmission system reliability and safety.

Circuit breakers at Garrison (7 units), Marion (2 units) and Raver (1 unit) substations need to be replaced due to end of life extensions, risk of failure and cost to maintain/repair. The compressor and control systems on these breakers are also starting to fail. In addition, one disconnect switch at Garrison needs to be replaced because of a safety hazard. The vendor for this type of disconnect is no longer in business and no spare parts are available. Garrison also requires a station service upgrade because replacement breakers require tank heaters and the current service is inadequate. At Marion and Raver, circuit switchers need to be replaced due to the units reaching the end of life and significant spare parts issues.