

BEPC PATENT GATE 345/115KV SUBSTATION



PROJECT TYPE

Substation

SCOPE

Greenfield construction of a 345/115kV substation including installation of ground grids, conduit systems, cable trench, concrete foundations, steel structures and electrical bus work. Installation of all major equipment including power circuit breakers, instrument transformers, and disconnect switches at 171 acre site.

LOCATION

Arnegard, ND

CLIENT

Basin Electric Power Cooperative

START DATE

August 2015

COMPLETION DATE

December 2016

Basin Electric identified the need for additional electric transmission capacity in northwestern North Dakota as a result of increased demand, and to meet reliability and system stability requirements for the region. To resolve these issues, Basin Electric will construct, own and operate a new 345kV transmission line and associated supporting infrastructure including the Patent Gate Substation.

A live feed of this project in progress can be viewed via www.irbyconst.com/patent-gate.

