

GILLESPIE SUBSTATION



PROJECT TYPE

Substation

SCOPE

Replacement of six 138kV breakers

LOCATION

Fredericksburg, TX

CLIENT

Lower Colorado River Authority

START DATE

March 2018

COMPLETION DATE

April 2018

Irby Construction was awarded the Gillespie Substation project in February of 2018. The scope included the replacement of six 138kV oil filled circuit breakers with six new 145kV 3000A 40kAIC circuit breakers. This project also included replacing all the buswork and jumpers on the high side as well as installing new control cable, and junction boxes at each breaker stand. From there we were to wire the existing cable in the new junction box to the new breakers.

This project also consisted of testing 108 CT's on all the new breakers and providing test reports to LCRA. Irby contracted out to Electrical Reliability Services, Inc., to perform testing and commissioning services.

Throughout this project, Irby was able to display its craftsmanship specifically pertaining to aluminum busswork, bending and termination, as well as control cable installation and termination.

