

COMANCHE SOLAR 34.5/230KV SUBSTATION AND TRANSMISSION LINE CONSTRUCTION PROJECT



PROJECT TYPE

Renewables, Substation,
Underground

SCOPE

Constructed a 34.5/230kV substation,
a 2.5 mile 34.5kV interconnection,
and an underground 230kV
transmission line.

LOCATION

Pueblo, Colorado

CLIENT

CG Power Solutions USA

START DATE

December 2015

COMPLETION DATE

May 2016

Online since 2016, Xcel Energy's ("Xcel") 120MW Comanche Solar project is the largest solar project east of the Rockies (~3.5 megaton carbon offset), generating enough energy to power more than 31,000 homes.

Under EPC contract with Xcel, CG Power USA Inc. ("CGP") subcontracted Irby in December 2015 to construct a 34.5/230kV substation for the project including a 2.5 mile 34.5kV interconnection between the east and west solar fields and a 230kV underground transmission line from the substation to Xcel's Comanche Generation Station. The Irby work scope was completed in under six months with zero lost time incidents.

