

CORBETT-SUGAR-QUARRY 500KV TRANSMISSION LINE CONSTRUCTION PROJECT



PROJECT TYPE

Transmission

SCOPE

Constructed 68.3 miles of 500kV transmission line including 15 miles of construction through Everglade canal waterways.

LOCATION

South East Florida

CLIENT

NextEra Energy Resources

START DATE

January 2018

COMPLETION DATE

May 2019

NextEra Energy Resources (a parent company of FPL) is a wholesale electricity supplier with a portfolio of facilities totaling more than 21,000MW of electric generating capacity in the United States and Canada. In January 2018, NextEra contracted Irby to construct 68.3 miles of 500kV transmission line (single circuit, triple bundled) between Palm Beach and Miami-Dade counties (Corbett and Sugar substations to Quarry substation) in support of a critical tie-in for the NextEra's Florida grid.

The Irby scope includes site survey, clearing, construction of access roads and pads, pier foundations and anchor pile installation, and setting steel structure and deadends with approximately 15 miles of the construction right of way transversing protected Everglade canal waterways.

In observance of the projects environmental requirements Irby crews adapted novel technical solutions including the use of barges, concrete pump lines, and amphibious equipment.

