

CORBETT-SUGAR-QUARRY 500KV TRANSMISSION LINE



PROJECT TYPE

Transmission

SCOPE

68.3 miles of 500kV

LOCATION

Palm Beach, Broward, and Miami-Dade
Counties, FL

CLIENT

NextEra Energy Resources

START DATE

January 2018

COMPLETION DATE

In progress

Irby Construction was awarded the Corbett - Sugar - Quarry 500kV Transmission Line Project on January 16th and immediately started work.

This project runs 69 miles from the Corbett and Sugar substations in Palm Beach County down to the Quarry substation in Miami-Dade County. It is a 500kV, single circuit, triple bundled line carrying 1272 ACSR/AW, (one) .472" OPGW, and (one) 7#8 AW OHGW.

The full scope of work also includes surveying, clearing the right-of-way, building access roads and structure pads, installing drilled pier foundations and anchor piles, and setting steel H-Frame structures and 3-pole concrete deadends. The majority of this line traverses through the environmentally sensitive Florida Everglades.

Unique to this project will be the construction of 15 miles through canal waterways utilizing barges, concrete pump lines, and amphibious equipment. This project will serve as a critical tie between two 500kV substations to increase reliability on the Florida Power & Light grid. Construction began on January 22, 2018 and is scheduled to complete in May of 2019.

