



GTC BURNT CHURCH-TRADEPORT 115KV TRANSMISSION LINE

PROJECT TYPE

Transmission

SCOPE

12.2 miles of 115kV transmission line with distribution underbuild

LOCATION

Brunswick, GA

CLIENT

Georgia Transmission Corporation

START DATE

April 2013

COMPLETION DATE

December 2013

Irby Construction built a majority of this line along environmentally sensitive terrains of the coastal salt marsh along I-95. To accomplish this, we used an Erickson Air Crane helicopter to haul each pole base into the marsh and special equipment vibrated them into the ground within minutes. Then, the same helicopter aligned and mounted the tops of the poles on each base. We successfully completed this project on schedule using this innovative technique.

To see more on this project, watch the video at www.irbyconst.com produced by Georgia Transmission on the project.





IID MASTER SERVICE AGREEMENT

PROJECT TYPE

Transmission, Substation, Distribution

SCOPE

Continuing transmission, distribution, substation and underground work in the Imperial, California area. Scope of work also includes maintenance work through 230kV (system wide).

LOCATION

Imperial, CA

CLIENT

Imperial Irrigation District

START DATE

1980

COMPLETION DATE

Present

Irby Construction Company has worked for IID for over 25 years providing ongoing transmission, distribution, substation and underground electric distribution work in the Imperial, CA area.

With our many years in Imperial and Riverside Counties, we have hired and trained local personnel, giving support to the local economy. We also continue to support local charities and groups in support of our employees and the community. Our commitment to both IID and the community has strengthened us as a company.





KENTUCKY UTILITIES 345KV OHIO RIVER CROSSING

PROJECT TYPE

Transmission

SCOPE

2.42 Miles of 345kV, (2) 420ft lattice towers

LOCATION

Bedford, KY

CLIENT

Kentucky Utilities

START DATE

August 2008

COMPLETION DATE

December 2008

Irby Construction Company and Can-Fer Utilities completed the Trimble County - PSI Ohio River Crossing job for Kentucky Utilities in 2009. This project consisted of 2.42 miles of 345kV double circuit line including the installation of two (2) 420 ft. river crossing lattice towers.

IRBY lead the project management with structure and wire installation. Can-Fer was utilized as a subcontractor on this project for the pier foundations (other than the river crossing towers). The foundations for the river crossing towers were installed by a third party subcontractor contracted by the owner.





NU ELIOT SWITCHING STATION - 345KV SWITCHYARD

PROJECT TYPE

Substation

SCOPE

345kV Switching Station

LOCATION

Eliot, ME

CLIENT

Northeast Utilities

START DATE

May 2012

COMPLETION DATE

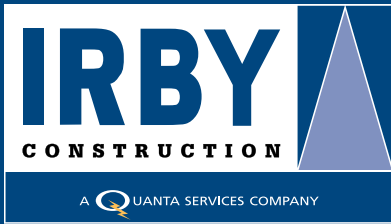
December 2013

Irby Construction Company built Eliot Substation as part of an EPC coalition of Quanta Services firms including Dashiell Engineering and Real-time Engineering.

Eliot Substation was a new greenfield station, located in Eliot, ME. This station is comprised of a 345kV switchyard, with a three-line double breaker ring bus configuration and new control house. The design for the new substation connected the existing 345kV Newington-Deerfield 307 line, located in New Hampshire, to the Central Maine Power (CMP) System.

At project completion, there were three new 345kV line terminals constructed at Eliot Substation; #307 from Deerfield, #3176 from Newington, and #3022 to Maguire Road.





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.





THE SOUTHERN LOOP – 345KV TRANSMISSION LINE

PROJECT TYPE

Transmission

SCOPE

53 miles of 345kV and 115kV

LOCATION

Vermont

CLIENT

Vermont Transco, LLC

START DATE

February 2010

COMPLETION DATE

October 2010

Irby Construction Company was a subcontractor to Cianbro on the construction of 345kV transmission line for the Southern Loop project including installation of a new 345kV transmission line and relocation of existing 345kV and 115kV interconnection lines. This project totaled 53 miles of which Irby installed approximate 25 miles of conductor and fiber. The project included direct embedded wood H-frame structures, steel mono-pole structures on anchor bolt foundations, twin bundled 954 ACSR conductor and two OPGW static lines.





GPC THOMSON-VOGTLE 500KV TRANSMISSION LINE

PROJECT TYPE

Transmission

SCOPE

47.08 miles, 500kV

LOCATION

Augusta, GA

CLIENT

Georgia Power Corporation

START DATE

July 2015

COMPLETION DATE

April 2017

Irby Construction was awarded construction of a new 47.08 mile, 500kV transmission line for Georgia Power along existing ROW. The line will carry 1113 45/7 ACSR (Bluejay) conductor and utilize 2-7#8 AW shieldwire.

The Thomson-Vogtle 500kV transmission is being built to add the necessary transmission infrastructure to support two new nuclear units. The total line route is 55 miles long beginning at Plant Vogtle in Waynesboro, GA ending at the Thomson Primary substation in Tomson, GA. The transmission line will be in service by 2018.





NEXTERA HORSE HOLLOW-KENDALL 345KV TRANSMISSION LINE

PROJECT TYPE

Renewables, Transmission

SCOPE

235 miles of 345kV,
12 miles of 138kV

LOCATION

Brady, TX

CLIENT

Horse Hollow Generation Tie, LLC

START DATE

April 2009

COMPLETION DATE

April 2010

This project was developed by NextEra Energy in order to transmit clean energy from their five wind farms in the Abilene area to the San Antonio area. The 345kV transmission line was 235 miles with an additional 13 miles of 138kV.

Irby served as prime contractor and provided project management services for five Quanta Services companies including North Houston Pole Line, Dillard-Smith, Dashiell Engineering and Can-Fer Utilities.

Irby crews installed over 600 concrete, steel and hybrid poles, and strung over 90 miles of bundle conductor. This project was completed in a record time of just nine months.





LCRA CLEAR SPRINGS-HUTTO 345KV TRANSMISSION LINE

PROJECT TYPE

Transmission

SCOPE

160 miles of 345kV

LOCATION

Hutto, TX

CLIENT

Lower Colorado River Authority

START DATE

March 2010

COMPLETION DATE

February 2011

Irby Construction Company teamed up with Can-Fer Utilities to carry out the Clear Springs to Hutto Project for the Lower Colorado River Authority. The project consisted of 88 miles of 345kV new transmission line construction with approximately 160 circuit miles of bundled, 959.6 ACSS/TW "Suwannee" conductor on lattice towers and steel poles. Engineering was provided by the owner.

Irby has worked continuously for LCRA for the past 10 years, during which we have built over 1,000 miles of 138kV and 345kV lines on the LCRA system.





GTC THOMAS-WARTHEN 500KV TRANSMISSION LINE

PROJECT TYPE

Transmission

SCOPE

38.75 miles of 500kV

LOCATION

Gibson, GA

CLIENT

Georgia Transmission Corporation

START DATE

May 2015

COMPLETION DATE

May 2017

Irby Construction Company built 38.75 miles of 500kV line for Georgia Transmission. This project crossed over several high voltage transmission lines and included installing 157 lattice steel towers on reinforced concrete pier foundations.

Irby worked on this project in conjunction with Reliable Constructors, Inc. and together we were able to complete the job six (6) months ahead of schedule.





CREZ 345KV TRANSMISSION PROJECTS

PROJECT TYPE

Transmission

SCOPE

~1,000 miles of 345kV
(with small portions of 138kV)

LOCATION

Central Texas

CLIENT

Electric Transmission Texas (ETT)
Lower Colorado River Authority (LCRA)
Lone Star Transmission, LLC
Sharyland Utilities
South Texas Electric Cooperative (STEC)

START DATE

October 2011

COMPLETION DATE

December 2014

CREZ projects were primarily designed to move electricity generated by renewable energy sources (primarily wind) from remote parts of Texas (i.e., West Texas and the Texas Panhandle) to the more heavily populated areas of Texas (e.g., Austin, Dallas-Fort Worth, San Antonio). Several of these lines provide transmission infrastructure necessary to meet the long-term needs of the growing area west of the I-35 corridor between San Antonio and Killeen.

Approximately 2,400 miles of electric transmission line were ordered by the Public Utility Commission of Texas (PUCT) and awarded to 10 transmission service providers. Irby Construction Company provided transmission construction services to five of those service providers: Electric Transmission Texas, Lower Colorado River Authority, Lone Star Transmission, Sharyland Utilities and South Texas Electric Cooperative. As a prime contractor for several Quanta companies, Irby collectively built ~ 1,000 miles of line.

The majority of the lines were 345kV, with small portions of 138kV throughout the paths.





MAINE POWER RELIABILITY PROGRAM (MPRP)

PROJECT TYPE

Transmission

SCOPE

200 miles of 34.5kV, 115kV, and 345kV

LOCATION

Lewiston, ME

CLIENT

Central Maine Power

START DATE

December 2010

COMPLETION DATE

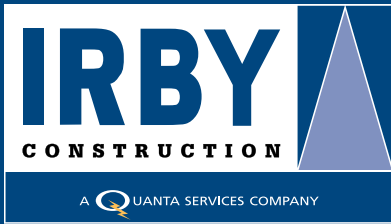
May 2015

Irby Construction was awarded the contract for the Central Loop of Maine Power Reliability Program (MPRP) for Central Maine Power Company in December 2010. The MPRP Central Loop consisted of 230 miles of installation, modification and/or removal of 345kV and 115kV electric transmission lines. With work in 13 of Maine's 16 counties, the MPRP is the largest construction project in the state's history.

This project consisted of twenty separate sections and segments with separate Milestone Completion Dates for each section/segment. Irby Construction successfully met all Milestone Completion Dates, as well as all outage dates. The project included the removal of lattice towers and construction of new lattice towers on several major river crossings. Approximately 30,000 timber mats were used to build roads on the ROW to safeguard the Maine environment.

Construction was completed on schedule with the contractual completion date in May 2015. Burns and McDonnell served as the program manager for this project, and engineering on the project was provided by owner. This project could not have been such a success without the help of its subcontractors. Irby Construction subcontracted the scope to a Joint Venture between Irby and Cianbro Corporation, a Maine company. Other various subcontractors such as Winco and Crux Subsurface, Inc., Quanta Services companies, assisted the JV with foundation installation (micro pile foundations) and helicopter support. Other subcontractor support included fiber splicing and testing, blasting, concrete pier foundation, lead abatement, etc.





CTT GRAY TO ALLEN CREEK 345kV TRANSMISSION LINE

PROJECT TYPE

Transmission

SCOPE

24 miles of 345kV

LOCATION

Pampa, TX

CLIENT

Cross Texas Transmission (CTT)

START DATE

January 2016

COMPLETION DATE

August 2016

Irby Construction was awarded the CTT Gray to Allen Creek Transmission Line project in January of 2016. The scope consisted of constructing approximately 25 miles of single circuit 345kV transmission line. This required the installation of double bundled conductors, one static and one OPGW accompanied by all necessary insulating hardware and spacing. CTT built this line to integrate additional wind energy resources from the Salt Fork Wind project in Gray and Donley Counties.

The conductor is supported by mostly single pole weathered steel structures mounted onto drilled piers or direct embedded into concrete backfill. The requirements of the project included assembly of an experienced construction administration team, comprehensive quality control planning, managed material inventory and control program, earthwork, erosion control with monitoring, protection of critical habitats of endangered species, and precise project execution.

Several subcontractors played an important role in making the Gray to Allen Creek project a success. Aldridge Construction, Inc. performed the direct embed drilling and setting bases of the structures. Winco, Inc. assisted with wire operations by installing leadline and bird diverters, and B&M Telecom, Inc. performed fiber splicing for this project.





AEP VALLIANT TO NORTHWEST 345kV TRANSMISSION LINE

PROJECT TYPE

Transmission

SCOPE

43.5 miles of 345kV

LOCATION

New Boston, TX

CLIENT

American Electric Power (AEP)

START DATE

April 2016

COMPLETION DATE

January 2017

Irby Construction was awarded the contract for the construction of the Valliant to Northwest Texarkana Transmission Line project for AEP Southwestern Electric Power Company (SWEPCO) and AEP Oklahoma Transmission Company near New Boston, Texas.

The Valliant-Northwest Texarkana Transmission Line project consists of installing 43.5 miles of 345kV single steel pole transmission line on anchor-bolted foundations that have previously been installed under another contract. This is the Texas portion of a larger 78.7 mile project that also included 35.2 miles in Oklahoma constructed by another contractor. The project is new single circuit construction with poles that are double circuit capable with steel arms only installed on one side of the poles.

This project was identified and mandated as a priority project by Southwest Power Pool (SPP) to connect an existing Public Service Company of Oklahoma substation to an existing SWEPCO substation in Texas. The transmission line goes from Valliant in McCurtain County, Oklahoma to Northwest Texarkana in Bowie County, Texas.

Several subcontractors have played an important role in making the Texarkana Project a success. Irby Construction used Erickson Air Crane to erect poles with a heavy-lift helicopter as well as Winco, Inc., a subsidiary of Quanta Services, Inc., to provide helicopter erection.





ENTERGY PONDEROSA TO GRIMES 230KV TRANSMISSION LINE

PROJECT TYPE

Transmission

SCOPE

40 miles of 230kV

LOCATION

Montgomery, TX

CLIENT

Entergy

START DATE

September 2015

COMPLETION DATE

April 2016

Irby Construction was awarded the Ponderosa to Grimes Transmission Project as a construction partner to Dashiell Engineering in September of 2015. Dashiell is also a member of the Quanta family of companies, and Irby is a proud partner on the project.

This project is located near Montgomery, TX and includes 40 miles of 230kV line consisting of both steel and concrete poles. Construction addressed both future load growth and current reliability needs in Entergy Texas' western area. It also cleared congestion in the Grimes substation area.

Irby Construction worked with subcontractors Auger Services for the foundation work on site, and enlisted helicopter services from Quanta sister company, Winco, to pull lead line and help clip the shield wire.

This project was successfully completed in April 2016.





ENTERGY LAKE CHARLES TRANSMISSION PROJECT

PROJECT TYPE

Transmission

SCOPE

15 miles of 230kV, 6.8 miles of 500kV

LOCATION

Lake Charles, LA

CLIENT

Entergy

START DATE

October 2016

COMPLETION DATE

February 2018

Irby Construction is providing services on the Lake Charles Transmission Project under subcontract by Dashiell Engineering. Entergy awarded this project to Dashiell as a turnkey EPC contract in early 2015. Dashiell is also a member of the Quanta family of companies, and Irby is a proud partner on the project.

Construction began in late October 2016, and is expected to be complete by February 2018. This project will provide enhanced reliability for existing customers in the Lake Charles area, and support new load needed in this growing region of Louisiana.

There are a combination of different types of work Irby is charged with on this project including rebuilding and constructing 15 miles of 230kV lines. These lines have both steel and concrete poles, the majority of which have vibratory caisson foundations.

Irby Construction will also construct nearly 7 miles of new 500kV lines built on tubular steel poles with vibratory caisson foundations. Our teams will also string approximately one mile of the 3M ACCR (Carbon Fiber Core) conductor across the river in Lake Charles.

Irby Construction has hired subcontractors including Auger Services to assist in the foundation and pole setting work on this project. We also plan to utilize a helicopter from our Quanta Services sister company, Winco, to assist with the wire operations.





SHARYLAND UTILITIES BROWN TO GRADY 138KV TRANSMISSION LINE

PROJECT TYPE

Transmission

SCOPE

20.2 miles of 138kV line

LOCATION

Big Spring, TX

CLIENT

McCord Engineering

START DATE

April 2016

COMPLETION DATE

October 2016

Irby Construction was awarded construction of the Sharyland Utilities Brown to Grady 138kV transmission project in the Spring of 2016. As a subcontractor to the owner's engineer, McCord Engineering, Irby's scope of work incorporated tear-down and rebuild of 20.2 miles of the 138kV line including concrete and steel poles with 959 ACSS/TW Suwannee conductor and 48 count fiber OPGW installation. The location of the project was in Martin County north of Stanton, in West Texas. The transmission segment began at the Grady Substation (on TX 87) and went northeast for 20.3 miles to the Brown Substation. Five (5) OPGW splice cans were installed along the route locations. Construction also included four (4) highway crossings: TX 829, TX 137, TX 846, and TX 26.

Irby began this six-month project in April of 2016 utilizing Seaboard Foundations Inc. to complete all hole excavation and drilled-pier foundations. Construction took place during the hottest months of the year with temperatures often soaring above 100 degrees. Irby crews worked safely and efficiently through the environmental and climate conditions on this project.





ATCO EASTERN ALBERTA TRANSMISSION LINE

PROJECT TYPE

Transmission

SCOPE

100 miles of 500kV DC line

LOCATION

Alberta, Canada

CLIENT

Alberta Transmission Company

START DATE

August 2013

COMPLETION DATE

February 2015

Irby Construction was subcontracted to string 100 miles of conductor and OPGW on the Eastern Alberta Transmission Line (EATL) for Valard Construction, the project's prime contractor and Irby sister operating unit of Quanta Services.

Irby crews endured two harsh Canada winters working in subzero conditions with ice and snow to complete our portion of the work. Irby successfully completed this project in February of 2015.

The EATL project is a 300-mile, 500kV, bipolar, high-voltage direct current, overhead transmission line interconnecting Newell HVDC static inverter plant near Brooks, Alberta with Heathfield static inverter plant near Gibbons, Alberta—northeast of Edmonton. The transmission line includes 1,387 transmission towers, and the construction of the 500kV DC transmission line was energized in December of 2015. The \$1.8 billion project reinforced Alberta's electrical grid to meet increased demand and ensure all Albertans have access to the most reliable and cost-effective electricity available.





GP&L LOOKOUT SUBSTATION—138KV

PROJECT TYPE

Substation

SCOPE

138kV Switchyard

LOCATION

Garland, TX

CLIENT

Garland Power & Light

START DATE

May 2016

COMPLETION DATE

November 2016

Irby Construction was awarded greenfield construction of Lookout Substation for Garland Power & Light (GP&L). Construction of the 138kV Switchyard began in May of 2016 and included all yard surfacing, flexible base restoration, structural concrete, foundations, grounding, structure erection, bus installation, equipment installation, and overhead lightning shielding installation. The contract also included cable trench installation, conduit system installation, emergency generator installation, fencing, backfilling, landscaping, irrigation, miscellaneous materials, incidentals, and labor.

Irby utilized American Site Builders for construction of the foundations and footings for this project. There were significant sub-surface issues in laying the cable trench system which were overcome by the use of skid-steer mounted rock saw and other innovative techniques deployed by Irby foremen on the job.

Irby captured images of the construction process via a live stream camera mounted on our construction trailer. Our cameras provided GP&L project management teams 24-hour access to the site and enabled them to monitor progress from remote locations.





COMANCHE SOLAR PROJECT 34.5/230KV SUBSTATION AND INTERCONNECTION

PROJECT TYPE

Substation

SCOPE

Construction of 34.5/230kV substation, 2.5mi of 34.5kV interconnection, and an underground 230kV transmission line

LOCATION

Pueblo, CO

CLIENT

CG Power Solutions USA

START DATE

December 2015

COMPLETION DATE

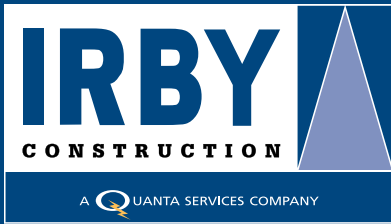
May 2016

Irby Construction was contracted by CG Power Solutions USA under an EPC agreement to build the Comanche Solar Project substation and a 2.5 mile 34.5kV interconnection between the east and west solar panel fields of the 120MW generating facility. The scope also incorporated the installation of a 230kV underground transmission line from the substation to Xcel Energy's generation plant, Comanche Generation Station.

Irby crews mobilized for construction of the greenfield substation in December of 2015, completing the project just six months later. Irby captured construction of the substation via a live stream camera mounted on our construction trailer. CG Power project management teams had 24-hour access to the site and was able to monitor progress from remote locations.

As one of the largest solar farms in the nation, the Comanche Solar farm generates enough power to energize over 31,000 homes east of the Rocky Mountains. Within its 25 year life, Comanche Solar is estimated to produce more than 6 billion kilowatt hours of clean solar energy and is expected to reduce CO2 emissions by approximately 3.5 million tons. This is the equivalent of taking more than 54,000 passenger vehicles off the road. Irby is proud to be a part of this project.





MARSHALL FORD TO LAGO VISTA 138KV TRANSMISSION LINE

PROJECT TYPE

Transmission

SCOPE

1.3 miles of 138kV

LOCATION

Austin, TX

CLIENT

Lower Colorado River Authority

START DATE

March 2016

COMPLETION DATE

April 2016

Irby Construction was contracted by the Lower Colorado River Authority (LCRA) to replace a 1.3 mile segment of line over the waters of Lake Travis outside of Austin, TX. In March of 2016, Irby began construction on the Marshall Ford to Lago Vista project. The scope included replacing the existing 1233 kcmil 'Yukon' ACSS with single 3M Hudson ACCR 1158 conductor.

The entire project included the rebuild and upgrade of the existing 14.5 miles Marshall Ford to McNeil 69kV electric transmission line to a 138kV electric transmission line in its existing 100 ft wide right of way in northwestern Travis County, TX. The two existing lattice towers on either side of the lake remained in place, without required modifications. Due to significant population growth in northwest Austin, in both Travis and Williamson Counties, this project was a necessity to ensure reliability.

Irby Construction successfully completed this project in April of 2016.





MEAD-PHOENIX 500KV TRANSMISSION LINE

PROJECT TYPE

Transmission

SCOPE

256 miles of 500kV

LOCATION

Phoenix, AZ

CLIENT

Salt River Project

START DATE

January 1994

COMPLETION DATE

September 1995

Irby Construction was contracted by the Salt River Project to construction the Mead-Phoenix 500kV AC transmission line in Phoenix, AZ. Construction for this project began in January of 1994. This line was 256 miles long and ran parallel to the pre-existing Mead-Liberty 345kV line. It incorporated the first application of a 500kV phase shifting transformer that enabled 1300MW transmission capacity.

The Mead-Phoenix transmission system was initially designed to transfer 1600 megawatts between the Phoenix area and southern Nevada, with ultimate capacity of up to 2200 MW. Irby installed 956 towers for this project. This line's purpose was to facilitate the area's load growth, coupled with difficulties in building new generating resources and limitations on interregional transfers of surplus energy, reinforcing the need of utilities to secure firm transmission on a long-term basis.

This transmission line was pre-designed and environmental permitted to be converted to a DC transmission line in the future. It is utilized to deliver electrical energy between Central Arizona and Southern Nevada. This project was successfully completed in September of 1995.





PALO VERDE TO PINAL WEST 500KV TRANSMISSION LINE

PROJECT TYPE

Transmission

SCOPE

52.4 miles of 500kV

LOCATION

Phoenix, AZ

CLIENT

Salt River Project

START DATE

May 2007

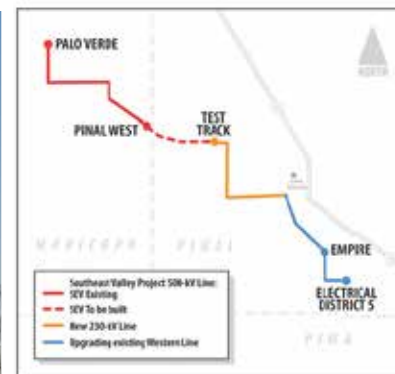
COMPLETION DATE

May 2008

Irby Construction was contracted by the Salt River Project to construct the Palo Verde to Pinal West 500kV transmission line in March of 2007. Located in Phoenix, AZ, this line consisted of 52.4 miles of single circuit triple bundle 1590 kCM ACSR 'Lapwing' conductor with one overhead ground wire, and one fiber optic ground wire on approximately 205 self-supporting lattice steel towers and one tubular steel pole.

The Palo Verde to Pinal West Project serves Pinal and Maricopa counties in Arizona and consists of a new 55-mile single circuit 500kV transmission line that connects the Palo Verde area to the Pinal West Switchyard. The Project serves six utility districts including the Salt River Project. The capacity of the line is 1,400 MW and increased the Arizona transmission system capacity in Pinal and Maricopa Counties.

Irby began construction on this line in May of 2007, and was responsible for pickup or receiving, unloading, sorting, checking, inspecting, storing, hauling, stringing and sagging of conductor material. Sagging was done using the transit level sag method. An adequate number of transits were employed based on the pull lengths. The foundation work for this project was performed by Can-Fer Construction Company, and the Leadline was performed by Air2, LLC. This project was successfully completed in May of 2008.





HURRICANE HARVEY

PROJECT TYPE

Emergency Restoration

SCOPE

114,000 restoration hours

LOCATION

Various Parts of Texas and Louisiana

START DATE

August 2017

On August 25, 2017, Hurricane Harvey made landfall near Rockport, Texas as a Category 4 hurricane. Harvey was the first major hurricane of the Atlantic hurricane season. It was devastating. Winds as strong as 130 mph left extensive damage to power infrastructure in their wake along the Gulf Coast from Rockport to Southeast Texas and into Louisiana.

Irby Construction crews were prepared before the storm hit.

As Harvey made landfall, caravans of bucket trucks drove toward Texas, so the power restoration process could begin as soon as rain and winds subsided.

“Emergency restoration is both the most grueling and the most gratifying work Irby linemen address,” said Chris Swindoll, Superintendent. “Restoring power is often restoring some sense of normalcy for communities hit by these storms. It’s a process we’re proud to be a part of.”

More than 300 Irby men performed work during the 2017 hurricane season. Many of those men worked both Hurricane Harvey and Hurricane Irma, a storm that followed just days later, back to back. In total, Irby teams logged 114,000 restoration man-hours alongside many Quanta sister companies.

Hurricane Harvey and Irma caused mass destruction to numerous regions in and surrounding the U.S. According to estimates from Moody’s Analytics, damage and lost productivity cost as much as \$200 billion.





HURRICANE IRMA

PROJECT TYPE

Emergency Restoration

SCOPE

over 300 Linemen

LOCATION

Various Parts of Florida

START DATE

September 2017

As Irby Crews were wrapping up work in Texas following Hurricane Harvey, Hurricane Irma made landfall as the first Category 5 hurricane of the 2017 Atlantic hurricane season. On September 10 Irma's winds reached 185 mph in Cuba. It was the most intense Atlantic hurricane to strike the United States since Katrina in 2005.

Less than one month after Harvey, but after that same amount of time on the job restoring power, Irby crews packed their bags and headed for Florida rather than going home.

"We had several crews working on a lot of different types of jobs before Hurricane Irma hit, but once we knew that she would hit Florida, they all sprang into action," Brent Croft, General Superintendent said. "We had crews down in Southern Florida before the hurricane even made landfall so that they could be ready to work immediately after it passed over them."

More than 300 Irby men performed work during the 2017 hurricane season. Many of those men worked both Hurricane Harvey and Hurricane Irma back to back. In total, Irby teams logged 114,000 restoration man-hours this hurricane season alongside many Quanta sister companies.

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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.

