

Cameron Interstate Pipeline Expansion Project



The Cameron Interstate Pipeline expansion project included modifications to Cameron Interstate Pipeline's existing gas transmission system and was developed to receive and transport domestically-produced natural gas to the Cameron LNG liquefaction project currently under construction in Hackberry, Louisiana.

The existing Cameron Interstate Pipeline starts in Cameron Parish, adjacent to Cameron LNG and follows a route along Calcasieu Parish, terminating at the Ragley Compressor Station in Beauregard Parish. The expansion project adds bi-directional flow to the pipeline to allow it to transport natural gas from various interstate pipeline interconnections to Cameron LNG.

The following facilities were constructed or modified as part of the expansion project:

- ▶ Approximately 3.58-mile of 36-inch OD pipeline extension to Cameron Interstate Pipeline
- ▶ The new Holbrook Compressor Station in Sulphur
- ▶ Modifications to the TETCO existing meter station in Ragley and to the TGP meter station in Sulphur
- ▶ A new Cameron LNG meter station at the site of the liquefaction facility in Hackberry

LOCATION

Assets are located in Beauregard Parish, Calcasieu Parish and Cameron Parish in Louisiana

PROJECT HIGHLIGHTS

- \$143 million investment
- FERC permitted and regulated
- 995 temporary jobs created
- 11 permanent full-time jobs created in Louisiana
- 5-year project (from permitting application to ready for service)
- Major contracts awarded to Louisiana contractors:
 - Sunland
 - EIU
 - James Construction
 - Boh Brothers

CONSTRUCTION DETAILS

36" Pipeline Expansion (New Facility)

- Sulphur, LA
- 3.5-miles of FBE-coated carbon steel pipe

Holbrook Compressor Station (New Facility)

- Sulphur, LA
- 7 Waukesha gas-driven engines & ariel compressors
- 35,000 HP total horsepower
- Design capacity: 1,560 MMSCFD

TGP Meter Station (Modified Existing Facility)

- Interconnect with Kinder Morgan Pipeline in Sulphur, LA
- 3 - 16" ultrasonic meters / 3 filter separators
- Design capacity: 1,050 MMSCFD

TETCO Meter Station (Modified Existing Facility)

- Interconnect with Spectra Energy in Ragley, LA
- 2 - 16" ultrasonic meters / 1 filter separator
- Design capacity: 500 MMSCFD

CLNG Meter Station (New Facility)

- Delivery to Cameron LNG in Hackberry, LA
- 4 - 20" ultrasonic meters / 3 filter separators
- Design capacity: 1,800 MMSCFD

CONSTRUCTION HIGHLIGHTS

- 573,501 man-hours worked
- 2 years total construction time
- 300 peak manpower
- More than 250 purchase orders or agreements executed
- 995 HSE orientations
- 374,238 weld inches
- 9,149 welds
- 1.19% repair rate (compared to 3-4% industry average)
- 51,554 feet of pipe (9.8 miles)
- 863 piles driven
- 34 miles of wire pulled
- 6,253 yards of concrete placed
- 25,000 tons of stone placed

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