

FLORIDA GAS TRANSMISSION COMPANY, LLC

Description of Company Operations

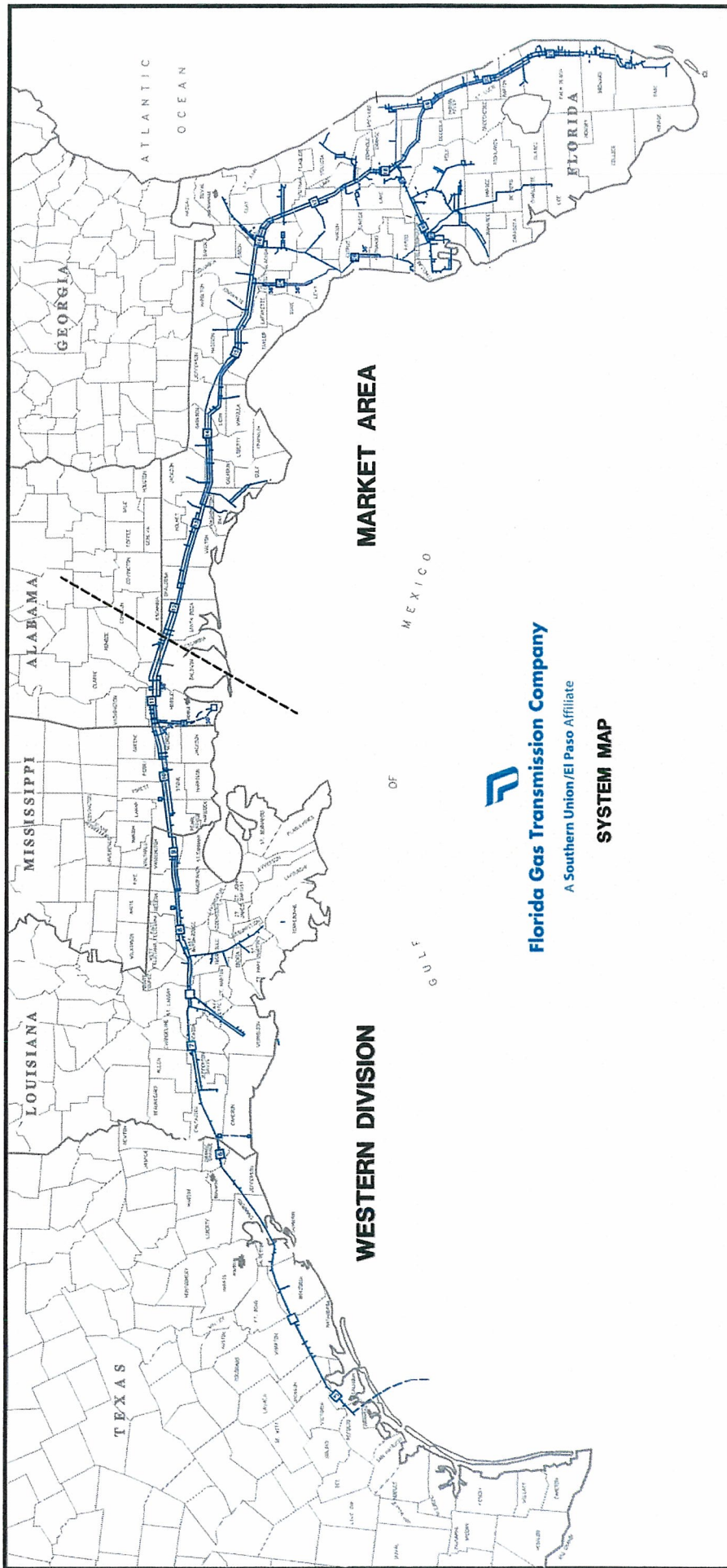
Florida Gas Transmission Company, LLC ("FGT") is a natural gas company within the meaning of the NGA, engaged in, among other things, the transportation of natural gas in interstate commerce and the delivery of natural gas for ultimate public consumption for domestic, commercial and industrial uses.

FGT receives natural gas from suppliers in the Gulf Coast areas of Texas, Louisiana, Mississippi, Alabama, Florida, and the Offshore Federal Domain and, by means of its transmission system transports and delivers such gas along its transmission line either for consumption or for further transportation.¹

FGT submits herewith as part of STATEMENT O the following additional information:

- STATEMENT O(1): A detailed system map
- STATEMENT O(2): A detailed history of each major expansion and major abandonment applications filed since the Company's last general rate case
- STATEMENT O(3): A detailed description of how the Company designs and operates its system, including design temperature

¹ FGT's pipeline system was authorized initially in Docket Nos. G-9262, et al. For a more detailed description of FGT's operations, reference is made to the applications for certificates, as amended, filed in the names of Houston Texas Gas and Oil Corporation and Coastal Transmission Corporation (Coastal), respectively, in Docket Nos. G-9262 and G-9960; to the application in Docket No. CP62-232, wherein authorization was granted for the merger of Coastal with and into FGT; and to the applications as supplemented in, Docket Nos. CP65-165, CP65-393, CP68-179, CP74-192, CP86-704, CP89-555, CP91-65, CP92-182, CP99-94, CP00-04, CP00-40, CP02-27, CP05-64, CP06-1, and CP07-82.



FLORIDA GAS TRANSMISSION COMPANY, LLC

Major Expansion and Abandonment Applications
Since The Company's Last Rate Filing

DOCKET NO.

DESCRIPTION

CP05-64

Sections 7(b) and (c) Expansion ("Turkey Point") for authorization to construct, own, and operate a new Compressor Station No. 22 consisting of two (2) 8,500 horsepower electric units (allowing for a duplicate back-up electric unit), approximately 1700-feet of pipe, and appurtenant facilities and to abandon approximately 50-feet of existing 18-inch pipe. Cost of facilities fully reimbursed by Florida Power & Light Company.

DATE FILED: 02/01/2005

CERTIFICATE ISSUED BY ORDER DATED: 06/20/2005

FUNCTION CLASSIFICATION: Transmission

COST: \$25,193,494

CP06-1

Section 7(c) Expansion ("Phase VII") for authorization to construct, own and operate facilities consisting of 32.6 miles of 36-inch pipeline, a total of 9,800 horsepower of additional compression and appurtenant facilities at Compressor Stations 24 and 26. FGT filed to vacate Commission authority to construct 15.3 miles of 36-inch pipeline and the re-wheel of existing compressor units at Compressor Station No. 27.

DATE FILED: 10/05/2005

CERTIFICATE ISSUED BY ORDER DATED: 06/15/2006 and 09/24/2008

FUNCTION CLASSIFICATION: Transmission

COST: \$61,761,258

DOCKET NO.

DESCRIPTION

CP06-9

Sections 7(b) and (c) ("SR 91 Relocation") for authorization to replace its existing 18-inch and 24-inch diameter pipeline with a single 36-inch diameter pipeline. The existing 18-inch and 24-inch diameter pipelines were abandoned in place, with the exception of minor pipe segments which were safely removed without harm to existing roads and roadway structures, to accommodate the widening project of State Road 91 in Broward County, Florida, by the Florida Department of Transportation/Florida Turnpike Enterprise ("FDOT/FTE").

DATE FILED: 02/01/2005

CERTIFICATE ISSUED BY ORDER DATED: 06/20/2005

FUNCTION CLASSIFICATION: Transmission

COST: \$118,872,174 (*Estimated*)

CP07-82

FGT filed a prior notice request ("East Leg Expansion") under FGT's Blanket Certificate, pursuant to sections 157.205 and 157.210 of the Commission's regulations under the NGA to construct, own, and operate a 6.64 mile loop extension of FGT's existing 30-inch mainline, including the installation of one new mainline valve.

DATE FILED: 02/06/2007

AUTOMATIC AUTHORIZATION DATE: 04/17/2007

FUNCTION CLASSIFICATION: Transmission

COST: \$18,236,942

FLORIDA GAS TRANSMISSION COMPANY, LLC

Design and Operation of Pipeline System

GENERAL

The Florida Gas Transmission Company, LLC pipeline system was designed to accommodate the maximum daily and hourly firm deliveries to all of its customers. Additional deliveries are made on alternate firm and interruptible bases. When the total requirements on the system or on individual laterals exceed the respective capacities, alternate firm or interruptible deliveries are not scheduled in the affected areas. The design of the mainline system was determined by the summer period firm requirements. Lateral designs were determined by the maximum hourly firm requirements during the period in which they occurred. The system design was not based on a specific atmospheric temperature.

$$Q = \frac{38.77}{(10)^6} \frac{T_b}{P_b} \left[\frac{P_1^2 - P_2^2 - \frac{0.0375GP_{avg}^2}{ZT}}{GTLZf} \right]^{0.5} D^{2.5}$$

Where:

- Q = Volume of gas flowing, million standard cubic feet per day
- P₁ = Upstream pressure, psia
- P₂ = Downstream pressure, psia
- P_{avg} = Average pressure between P₁ and P₂, psia

D	=	Inside pipe diameter, inches
L	=	Length of pipe, miles
P _b	=	Pressure base, 14.73 psi
T _b	=	Temperature base, 520 degrees Rankine
T	=	Flowing temperature, degrees Rankine
G	=	Specific gravity of gas (Air = 1.0)
Z	=	Gas Compressibility
f	=	Friction factor (from Colebrook-White Equation)

Changes in elevation were not taken into consideration since the route of the transmission system is relatively flat (highest elevation is 300 feet).

Compressor station power requirements are calculated using compressor manufacturer's data, corrected as necessary for operating conditions.

The transmission system is operated within the working pressure range permitted under Part 192 of Title 49 of the Code of Federal Regulations as established by the Department of Transportation pursuant to the Natural Gas Safety Act of 1968.

Design, material, selection, construction and testing were conducted in compliance with Part 192, of Title 49 of the Code of Federal Regulations as established by the Department of Transportation pursuant to the Natural Gas Pipeline Safety Act of 1968.

Some revisions have been made to the system as a result of population density changes near the pipeline. Each of these changes has been designed to maintain the previously established capacity of the pipeline or to limit the operating pressure to the reduced MAOP while maintaining the required pipeline capacity.