

PREPARED FOR **AMERICAN PETROLEUM INSTITUTE**

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Benefits and Opportunities of Natural Gas Use, Transportation, and Production



Florida

Economic Impacts of Natural Gas

There were 91,189 jobs in Florida related to natural gas. These jobs represented 1.1 percent of total state jobs. The top three sectors with the greatest number of jobs were gas fired electric power generation, industrial equipment and machinery repair and maintenance, and industrial construction. The contribution to the Florida economy in terms of direct, indirect, and induced value added in 2015 was \$12.57 billion, of which \$8.81 billion was related to the end use segment, \$2.73 billion was from the infrastructure segment, and \$1.03 billion was from the production segment.

Natural Gas Consumers

In 2015, Florida consumed 1.33 Tcf of natural gas in all sectors. There were a total of 768,000 customers. The value of natural gas delivered to consumers was \$6.15 billion.

Florida has 702,000 residential customers who consumed 15 Bcf in 2015. Average consumption was 21 Mcf per household. Residential demand was 7 percent for space heating, 58 percent for water heating, 14 percent for cooking, 2 percent for clothes drying, 2 percent for space cooling, and 17 percent for other uses.

Florida has 65,000 commercial customers who consumed 63 Bcf in 2015. Average consumption per commercial customer was 961 Mcf. Commercial demand was 42 percent for space heating, 26 percent for water heating, 11 percent for cooking, and 21 percent for other uses.

There are 479 industrial customers in Florida who consumed 96 Bcf in 2015. Average consumption per industrial customer was 201 MMcf. The top industries for gas consumption were Chemicals (NAICS Code 325), Food (311), Petroleum and Coal Products (324), Paper (322), and Non-metallic Mineral Products (327), representing 78 percent of industrial demand.

Florida has 90 power plants consuming natural gas. Gas consumption was 1.16 Tcf, representing 66 percent of power generation in the state. Average consumption per customer was 12,890 MMcf.

Natural Gas Infrastructure

In 2015, Florida had 58 producing oil wells and 44 producing gas wells. There were 35 miles of gas gathering lines and 1 gas processing plant in the state with a capacity of 90 MMcf/d. In addition, there were 5,091 miles of gas pipelines, 44 miles of crude oil pipelines, 93 miles of NGL pipelines, 346 miles of product pipelines, and no CO2 pipelines. There were 20,184 miles of gas distribution mains and 8,276 miles of service lines. There are no natural gas storage sites in the state.

Natural Gas and Oil Production

In 2015, Florida produced 0.3 Bcf of dry natural gas, 173,000 barrels of plant liquids, no lease condensate, and 2.21 million barrels of crude.

Exhibit 7-11: Florida State Factsheet

Florida			Employment (# of Workers)			Labor Income (\$ million)			Value Added (\$ million)		
Summary	Segment	Category	Direct & Indirect	Induced	Total	Direct & Indirect	Induced	Total	Direct & Indirect	Induced	Total
	End-Use	Power Generation	10,192	13,454	23,646	799	677	1,476	4,062	1,183	5,245
		Industrial	4,768	14,454	19,221	296	675	971	1,078	1,275	2,353
		Residential/ Commercial	2,608	5,406	8,014	177	281	458	529	488	1,017
		Export	867	1,385	2,252	61	70	130	67	123	190
		Transportation	15	19	34	1	1	1	2	2	5
	Infrastructure	Processing	1,061	2,448	3,510	70	120	189	82	223	305
		Pipelines	2,953	5,953	8,906	201	298	500	268	546	814
		Distribution	5,938	7,664	13,602	353	370	723	877	694	1,572
		Wholesalers, Marketers, Other	135	198	333	8	10	18	18	18	36
	Production	Natural Gas/ NGLs	3,297	8,375	11,672	257	416	672	283	746	1,029
	All Segments	Grand Total	31,833	59,356	91,189	2,222	2,916	5,138	7,265	5,300	12,565

Jobs by Top Industries	Rank	NAICS	Industry Sector	Direct and Indirect Jobs
	1	221112	Gas-fired Electric Power Generation	2,543
	2	811310	Industrial Equip. & Machinery Repair & Maint.	2,365
	3	236210	Industrial Construction	1,664
	4	325	Chemical Manufacturing	1,557
	5	221210	Natural Gas Distribution	1,401
	6	45431NGL	NGL Retail	1,304
	7	333611	Turbine and Turbine Generator Manufacturing	711
	8	237120	Oil & Gas Pipeline Construction	700
	9	4841	Freight Truck	343
	10	331210	Iron & Steel Pipe & Tube Manufacturing	245

Customers	Sector	Customer Count	Consumption Volume (MMcf/ year)	Value of Natural Gas Delivered to Customers (\$million)
	Residential Sector	701,981	15,044	\$289
	Commercial Sector	65,313	62,754	\$495
	Industrial Sector	479	96,124	\$356
	Transportation	60	324	\$4
	Power Sector	90	1,160,140	\$5,000
	All Sectors	767,923	1,334,385	\$6,145

Infrastructure	Gas Distribution Main (miles)	Gas Distribution Services (miles)	Gas Gathering (miles)	Gas Pipelines (miles)	Crude Oil Pipelines (miles)	NGL Pipelines (miles)	Oil Product Pipelines (miles)	CO2 Pipelines (miles)
	28,003	13,671	35	5,091	44	93	346	0

Production	Product	Annual Production
	Dry Natural Gas (mmcf)	264
	Gas Plant Liquids (barrels)	173,000
	Lease Condensate (barrels)	0
	Crude Oil (barrels)	2,208,000
	Annual Value Counted Toward Natural Gas Value Chain (\$million)	\$4
	Annual Value of All Produced Oil, Gas, NGLs (\$million)	\$102

Wells	Well Type	Operating Wells	New Wells Drilled
	Oil Wells	58	0
	Gas Wells	44	0
	All Wells	102	0

Annual 2015 Data for Florida
Natural Gas Value Chain Basis