

PREPARED FOR **AMERICAN PETROLEUM INSTITUTE**

PREPARED BY **ICF**

9300 LEE HIGHWAY | FAIRFAX VA

JUNE 2017

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



## Georgia

### Economic Impacts of Natural Gas

There were 85,300 jobs in Georgia related to natural gas. These jobs represented 2.1 percent of total state jobs. The top three sectors with the greatest number of jobs were chemical manufacturing, natural gas distribution, and industrial equipment and machinery repair and maintenance. The contribution to the Georgia economy in terms of direct, indirect, and induced value added in 2015 was \$11.36 billion, of which \$7.50 billion was related to the end use segment, \$2.95 billion was from the infrastructure segment, and \$0.91 billion was from the production segment.

### Natural Gas Consumers

In 2015, Georgia consumed 0.68 Tcf of natural gas in all sectors. There were a total of 1.90 million customers. The value of natural gas delivered to consumers was \$3.27 billion.

Georgia has 1.78 million residential customers who consumed 118 Bcf in 2015. Average consumption was 66 Mcf per household. Residential demand was 52 percent for space heating, 34 percent for water heating, 5 percent for cooking and 9 percent for other uses.

Georgia has 123,000 commercial customers who consumed 54 Bcf in 2015. Average consumption per commercial customer was 436 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 2,548 industrial customers who consumed 158 Bcf in 2015. Average consumption per industrial customer was 619 MMcf. The top industries for gas consumption were Chemicals (NAICS Code 325), Paper (322), Non-metallic Mineral Products (327), Food (311), and Primary Metals (331), representing 86 percent of industrial demand.

Georgia has 50 power plants consuming natural gas. In 2015, gas consumption was 354 Bcf, representing 39 percent of power generation in the state. Average consumption per customer was 7,081 MMcf.

### Natural Gas Infrastructure

Georgia has no oil and gas wells or production and all natural gas consumed comes from other states. In 2015, there were 4,556 miles of gas pipelines, no crude oil pipelines, 362 miles of NGL pipelines, 1,763 miles of product pipelines, and no CO2 pipelines. There were 44,493 miles of gas distribution mains and 39,983 miles of service lines.

## Exhibit 7-12: Georgia State Factsheet

Georgia			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	5,101	7,885	12,985	384	388	772	1,314	693	2,008
		Industrial	8,073	15,192	23,265	535	698	1,232	2,200	1,340	3,540
		Residential/ Commercial	4,857	5,947	10,804	317	304	621	1,225	537	1,762
		Export	942	1,152	2,094	65	58	123	72	103	175
		Transportation	54	52	107	3	3	4	9	5	14
	Infrastructure	Processing	1,252	2,164	3,416	79	101	180	87	197	284
		Pipelines	3,365	5,027	8,392	243	252	495	426	461	887
		Distribution	6,794	6,803	13,598	543	359	903	1,123	617	1,739
		Wholesalers, Marketers, Other	154	173	327	12	9	21	24	16	40
	Production	Natural Gas/ NGLs	3,595	6,700	10,295	286	331	617	315	597	912
	All Segments	Grand Total	34,188	51,095	85,282	2,468	2,501	4,969	6,795	4,565	11,360

  

Jobs by Top Industries	Rank	NAICS	Industry Sector	Direct and Indirect Jobs
	1	325	Chemical Manufacturing	3,350
	2	221210	Natural Gas Distribution	1,784
	3	811310	Industrial Equip. & Machinery Repair & Maint.	1,461
	4	45431NGL	NGL Retail	1,173
	5	221112	Gas-fired Electric Power Generation	957
	6	236210	Industrial Construction	940
	7	237120	Oil & Gas Pipeline Construction	727
	8	33241	Power Boiler & Heat Exchanger Manufacturing	617
	9	333415	Air-Conditioning and Warm Air Heating Equipment	458
	10	335221	Household Ovens Manufacturing	395

  

Customers	Sector	Customer Count	Consumption Volume (MMcf/ year)	Value of Natural Gas Delivered to Customers (\$million)
	Residential Sector	1,777,558	118,025	\$1,157
	Commercial Sector	123,307	53,712	\$377
	Industrial Sector	2,548	157,936	\$598
	Transportation	52	1,208	\$11
	Power Sector	50	354,090	\$1,122
	All Sectors	1,903,515	684,971	\$3,265

  

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)
	44,493	39,983	0	4,556	0	362	1,763	0

  

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

  

Wells	Well Type	Operating Wells	New Wells Drilled
	Oil Wells	0	0
	Gas Wells	0	0
	All Wells	0	0

Annual 2015 Data for Georgia  
Natural Gas Value Chain Basis