

PREPARED FOR **AMERICAN PETROLEUM INSTITUTE**

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



South Carolina

Economic Impacts of Natural Gas

There were 58,800 jobs in South Carolina related to natural gas. These jobs represented 3.0 percent of total state jobs. The top three sectors with the greatest number of jobs were chemical manufacturing, turbine and turbine generator manufacturing, and natural gas distribution. The contribution to the South Carolina economy in terms of direct, indirect, and induced value added in 2015 was \$8.19 billion, of which \$6.18 billion was related to the end use segment, \$1.51 billion was from the infrastructure segment, and \$0.50 billion was from the production segment.

Natural Gas Consumers

In 2015, South Carolina consumed 271 Bcf of natural gas in all sectors. There were a total of 679,000 customers. The value of natural gas delivered to consumers was \$1.34 billion.

South Carolina has 621,000 residential customers who consumed 27 Bcf in 2015. Average consumption was 44 Mcf per household. Residential demand was 70 percent for space heating, 27 percent for water heating, 1 percent for cooking, and 2 percent for other uses.

South Carolina has 57,000 commercial customers who consumed 23 Bcf in 2015. Average consumption per commercial customer was 413 MMcf. 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 1,400 industrial customers in South Carolina who consumed 84 Bcf in 2015. Average consumption per industrial customer was 59 MMcf. The top industries for gas consumption were Chemicals (NAICS Code 325), Paper (322), Primary Metals (331), Non-metallic Mineral Products (327), and Food (311), representing 77 percent of industrial demand.

South Carolina has 28 power plants consuming natural gas. Gas consumed was 135 Bcf, representing 17 percent of power generation in the state. Average consumption per customer was 4,830 MMcf.

Natural Gas Infrastructure

South Carolina had no oil and gas production or producing wells. There were no gas gathering lines and no gas processing plants in the state. In addition, there were 2,736 miles of gas pipelines, no crude oil pipelines, 227 miles of NGL pipelines, 585 miles of product pipelines, and no CO2 pipelines. There were 30,355 miles of gas distribution mains and 25,330 miles of service lines. There are no natural gas storage sites in the state.

Exhibit 7-42: South Carolina State Factsheet

South Carolina			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	3,936	5,165	9,102	343	279	622	731	454	1,185
		Industrial	9,633	13,165	22,798	599	553	1,152	2,989	1,160	4,148
		Residential/ Commercial	2,192	2,829	5,021	165	156	321	417	256	673
		Export	1,109	815	1,924	93	45	138	103	73	175
		Transportation	2	2	3	0	0	0	0	0	0
	Infrastructure	Processing	1,063	1,293	2,356	77	62	140	87	118	204
		Pipelines	2,253	2,819	5,072	172	144	317	216	258	475
		Distribution	3,314	3,395	6,709	203	162	365	503	308	811
		Wholesalers, Marketers, Other	82	90	172	5	4	10	11	8	19
	Production	Natural Gas/ NGLs	2,187	3,503	5,689	171	172	342	188	312	500
	All Segments	Grand Total	25,771	33,075	58,846	1,829	1,577	3,406	5,245	2,947	8,191

Jobs by Top Industries	Rank	NAICS	Industry Sector	Direct and Indirect Jobs
	1	325	Chemical Manufacturing	5,160
	2	333611	Turbine and Turbine Generator Manufacturing	2,495
	3	221210	Natural Gas Distribution	813
	4	811310	Industrial Equip. & Machinery Repair & Maint.	677
	5	45431NGL	NGL Retail	575
	6	236210	Industrial Construction	493
	7	221112	Gas-fired Electric Power Generation	320
	8	237120	Oil & Gas Pipeline Construction	279
	9	333414	Heating Boilers & Fireplace Manufacturing	156
	10	4841	Freight Truck	134

Customers	Sector	Customer Count	Consumption Volume (MMcf/ year)	Value of Natural Gas Delivered to Customers (\$million)
	Residential Sector	620,555	27,417	\$345
	Commercial Sector	56,871	23,494	\$197
	Industrial Sector	1,438	84,405	\$342
	Transportation	13	46	\$0
	Power Sector	28	135,239	\$451
	All Sectors	678,905	270,601	\$1,335

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)
	20,799	16,168	0	2,736	0	227	585	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 South Carolina
Natural Gas Value Chain Basis